

**CATALOGO
SERIE S**

***S SERIES
CATALOGUE***

ea ELECTRO ADDA®
IL MOTORE CHE FA LA DIFFERENZA

**MOTORI ASINCRONI TRIFASI
PER SISTEMI DI ESTRAZIONE FUMI**

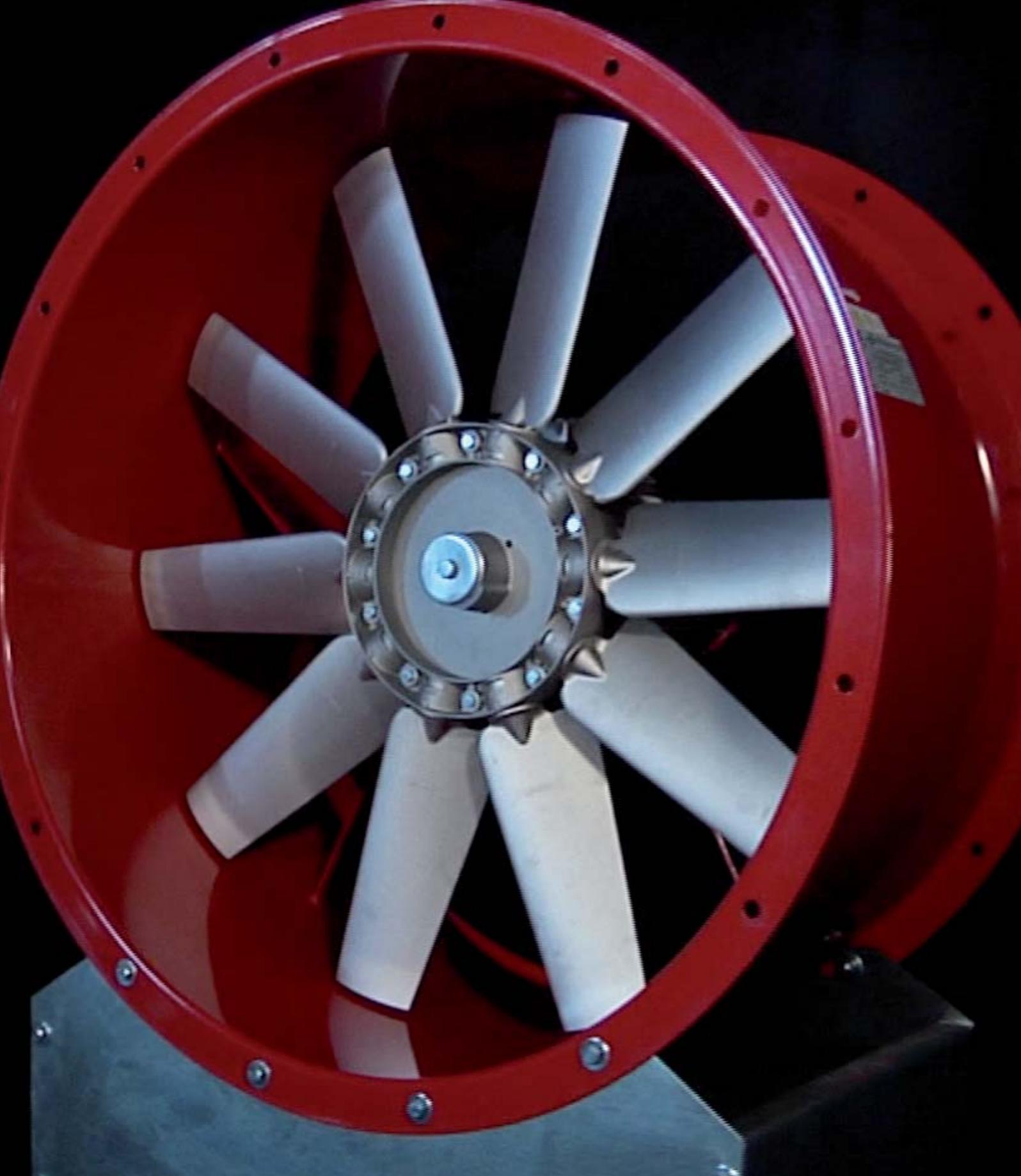
Serie S - Grandezze 63÷355

kW 0,09÷500

***ASYNCHRONOUS THREE-PHASE MOTORS
FOR SMOKE EXTRACTION SYSTEMS***

S Series - Frame sizes 63÷355

kW 0,09÷500



I dati tecnici, le dimensioni ed ogni altro dato di questo catalogo non sono impegnativi.
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Technical data, dimensions, as well as any other data in this catalogue are not binding.
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MOTORI ASINCRONI TRIFASI per sistemi di estrazione fumi Serie S - Grandezze 63÷355

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ASYNCHRONOUS THREE-PHASE MOTORS for smoke extraction systems S Series - Frame sizes 63÷355

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**Sede e stabilimento principale
Beverate (Lecco) Italia**

**Headquarter and main plant
Beverate (Lecco) Italy**



Electro Adda. Il motore, nel cuore

Una profonda passione ci muove

Quello di **ELECTRO ADDA** è un percorso esemplare, che ha visto l'azienda svilupparsi nel tempo, da laboratorio artigianale a grande industria internazionale, emblema riconosciuto del **Made in Italy** nel settore dei motori elettrici.

Nata nel 1948 a Lecco e cresciuta mantenendo la sua identità di **family company**, oggi è una realtà storica e autorevole, coerente ai suoi valori fondativi, votata all'innovazione e alla ricerca e mossa da una passione che - ora come in passato - continua a essere e sarà il vero motore della sua attività.

Una solida esperienza ci distingue

Negli anni, **ELECTRO ADDA** ha sviluppato un'approfondita competenza tecnica e ha accumulato un prezioso patrimonio di esperienze, qualificandosi come una vera e propria autorità in materia di motori, punto di riferimento per aziende **leader** in Europa e nel mondo.

La consolidata conoscenza del prodotto e delle sue applicazioni in ogni settore è un valore che si arricchisce giorno dopo giorno, coltivato in collaborazione con università e centri di ricerca e premiato dai mercati internazionali.

Electro Adda. The motor, in the heart

A deep passion moves us

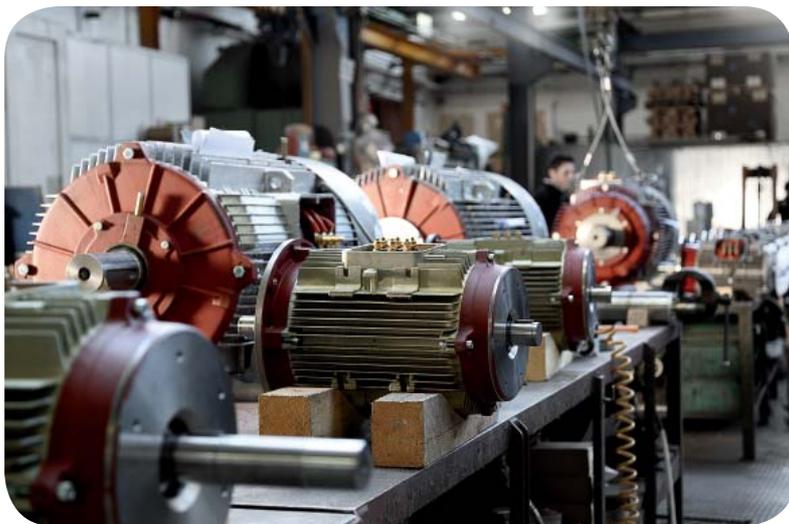
ELECTRO ADDA's is an exemplary path which has seen the company developing over time, from an artisan workshop to a large international industry, acknowledged emblem of the **Made in Italy** in the electric motor sector.

Founded in 1948 in Lecco, and subsequently developed by retaining its **family company** identity, today it is an historical and influential reality, consistent with its founding values, dedicated to innovation and research, and moved by a passion which - now as in the past - keeps on being and will be the true motor behind its activity.

A solid experience marks us out

During these years, **ELECTRO ADDA** has developed an in-depth technical competence and has accumulated a precious wealth of experiences, qualifying itself as a true authority in the field of motors, as a reference point for **leading** companies in Europe and in the rest of the world.

The consolidated knowledge of the product and its applications throughout the sectors is a value which gets richer day by day, being cultivated in cooperation with universities and research centres and rewarded by the international markets.



Per garantire l'eccellenza in ogni prodotto

Realizzati completamente all'interno degli stabilimenti dell'azienda utilizzando impianti a elevato contenuto tecnologico, i motori **ELECTRO ADDA** offrono eccellenti prestazioni in termini di potenza e sicurezza, resistenza e durata, efficienza e affidabilità.

Ogni prodotto è il risultato di un processo produttivo ampiamente collaudato e attentamente monitorato, dal progetto alla scelta dei materiali fino al controllo degli avvolgimenti su ogni singolo motore.

A fine montaggio, ogni unità viene collaudata.

Un servizio post vendita globale garantisce assistenza al cliente nei 5 continenti.

Ensuring excellence in every product

Entirely realized inside the company plants, using systems with a high technological content, **ELECTRO ADDA** motors offer excellent performances in terms of power and safety, strength and life, efficiency and reliability.

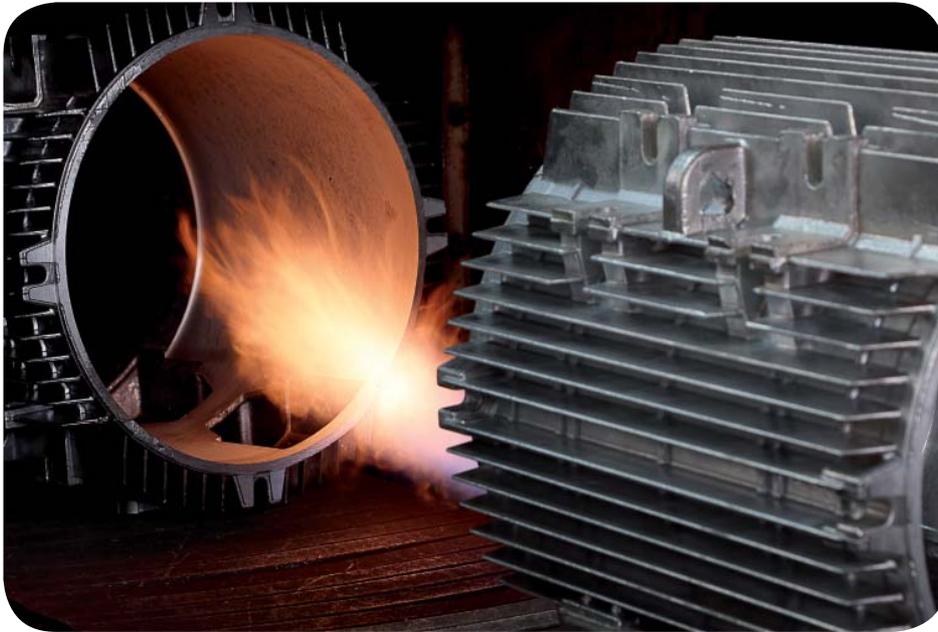
Every product is the fruit of a widely tested and carefully monitored production process, from the planning stage to the choice of materials and down to the control of the windings on any single motor.

At the end of the assembly, each unit is tested.

A global after-sales service ensures customer support throughout all the 5 continents.

La soddisfazione del cliente è il nostro traguardo

Disponibilità all'ascolto e capacità di interpretare ogni richiesta per tradurla in risposte tempestive e personalizzate: questi sono i principi di una filosofia aziendale fortemente orientata alla soddisfazione del cliente. Il rapporto privilegiato che **ELECTRO ADDA** instaura con i suoi clienti si concretizza nella disponibilità di una gamma completa di prodotti standard e speciali, in un servizio accurato, nella puntualità e rapidità delle consegne, in un'offerta equilibrata fra qualità e prezzo.



Customer satisfaction is our goal

*Willingness to listen and capacity to interpret any request so as to translate it into timely and personalized replies: these are the principles of a company philosophy strongly oriented towards customer satisfaction. The privileged relationship that **ELECTRO ADDA** establishes with its customers materializes in the availability of a complete range of standard and special products, in an accurate service, in the punctuality and quickness of deliveries. in a balanced offer between quality and price.*

La nostra specialità è andare oltre gli standard

Con le commesse personalizzate e lo sviluppo di progetti ingegneristici mirati, **ELECTRO ADDA** si propone come partner tecnologico di industrie ad altissima specializzazione. Grazie a una sempre maggiore flessibilità produttiva e organizzativa **ELECTRO ADDA** offre la possibilità di realizzare in tempi rapidi con costi competitivi anche motori progettati e costruiti su specifiche personalizzate, grazie a caratteristiche tecnico-applicative modellate su misura.

Our speciality is to go beyond the standards

*Through the personalized orders and the development of targeted engineering projects, **ELECTRO ADDA** offers itself as a technological partner for very highly specialized industries. Thanks to an ever greater manufacturing and organizing flexibility, **ELECTRO ADDA** offers the possibility of quickly realizing, at competitive prices, even motors designed and manufactured according to customized specifications, based on tailor-made technical-application characteristics.*

La qualità è la nostra linea guida

L'azienda è certificata ISO9001-2015. Il portafoglio prodotti è accreditato da autorevoli certificazioni nazionali e internazionali - CESI, ATEX, CSQ, CSA, UL, EAC, LLOYD'S REGISTER - confermando la conformità ai più rigorosi requisiti qualitativi e di sicurezza.

Quality is our guideline

Our company is ISO-9001 certified. Product portfolio is compliant with national and international notified bodies such as CESI, ATEX, CSQ, CSA, UL, EAC, LLOYD'S REGISTER as a confirmation of fulfillment of rigid quality and safety requirements.

Produzione italiana, orizzonte internazionale

ELECTRO ADDA è un emblema riconosciuto della qualità Made in Italy: dalla progettazione al collaudo, tutte le fasi della catena produttiva si svolgono nelle sedi dell'azienda. La ricerca di eccellenza produttiva e la capacità di personalizzare i progetti consentono a **ELECTRO ADDA** di dialogare con importanti realtà internazionali, offrendo soluzioni efficaci, innovative e capaci di creare valore ai clienti e utilizzatori finali.

Italian production, international horizon

***ELECTRO ADDA** is an acknowledged emblem of the Made in Italy quality: from design to testing, every stage of the production chain takes place at the company sites. The search for production excellence and the capacity of personalizing projects enable **ELECTRO ADDA** to carry out a dialogue with important international realities, offering effective solutions, innovative and able to create value for customers and end users.*

L'innovazione è la nostra forza propulsiva

Un mercato in continua evoluzione è il terreno su cui **ELECTRO ADDA** si confronta ogni giorno, sotto il profilo progettuale, organizzativo, tecnologico e produttivo.

Un impulso a progredire che si traduce in importanti investimenti in ricerca e sviluppo, per essere sempre all'altezza di una clientela internazionale alla ricerca di soluzioni al passo con la tecnologia più avanzata e all'avanguardia in termini di risparmio energetico e compatibilità ambientale.



Per affrontare con successo le nuove sfide

Un team di professionisti altamente specializzato, nuovi programmi di sviluppo e l'impegno profuso nella ricerca fanno di **ELECTRO ADDA** un partner strategico, in grado di garantire un fondamentale contributo all'innovazione, soprattutto nei settori a più elevata competitività.

Con i motori di ultima generazione, a basso consumo e alto rendimento e con la nuova gamma completa di motori IE3, (IE4 a richiesta) **ELECTRO ADDA** propone soluzioni affidabili e di qualità, adeguate alle nuove sfide.

Nel cuore dei nostri motori

ELECTRO ADDA è specializzata nella produzione di motori elettrici standard e su misura, per tutti gli impieghi industriali e per le applicazioni speciali più impegnative.

Dispone di una gamma ampia e completa di prodotti, che spazia da motori di piccola potenza a quelli di 2.000 kW e oltre, ideali per ogni tipo di utilizzo, dal più gravoso in termini di lavoro, al più innovativo dal punto di vista tecnologico.

Presenza globale

ELECTRO ADDA è presente, attraverso la propria rete commerciale e il proprio customer service, in maniera capillare in tutti i continenti: presenza globale per un mercato internazionale.

Innovation is our propulsive force

*A constantly evolving market is the terrain with which **ELECTRO ADDA** confronts daily, from a designing, organizing, technological and manufacturing point of view.*

It is an impulse to progress which is translated into important research and development investments, in order for it to always match up to international customers searching for solutions in line with the most up-to-date technology, which is state-of-the-art in terms of energy saving and environmental compatibility.

Successfully confronting new challenges

*A highly specialized team of professionals, new development programs and the effort made in the field of research make **ELECTRO ADDA** a strategic partner, capable of ensuring a fundamental contribution to innovation, especially in the most highly competitive sectors.*

*With its latest-generation, low-consumption, high-efficiency motors and its new complete range of IE3 motors, (IE4 upon request) **ELECTRO ADDA** offers reliable quality solutions, able to meet the new challenges.*

In the heart of our motors

***ELECTRO ADDA** is specialized in the production of standard and tailored electric motors for all industrial uses and for the most demanding applications.*

It offers a wide and comprehensive set of products, which ranges from small power motors up to 2.000 kW and even more, ideally suited to any kind of use, from the hardest ones in terms of work to the most innovative ones from a technological point of view.

Global presence

***ELECTRO ADDA** is present and available on a global basis through representatives & service centres.*





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UNITA' OPERATIVE / OPERATIVE UNITS

Vedere gli Allegati per le Unità Operative (n° 2 allegati)
View the Annexes for the Operative Units (n° 2 annexes)

E' CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2015

PER LE SEGUENTI ATTIVITA' / FOR THE FOLLOWING ACTIVITIES

Progettazione, produzione, commercializzazione ed assistenza post-consegna di motori elettrici asincroni monofase, trifase, auto frenanti, per alimentazione da rete ed inverter per il settore: industriale ed ambienti potenzialmente esplosivi, civile, navale, ferroviario, energetico e militare
Design, manufacturing, marketing after-sales service of asynchronous motors single-phase, three-phase, with brake, for mains power supply and inverter duty for the sectors: industrial and potentially explosive environments, civil, naval, railway, energy and military

Ulteriori informazioni riguardanti l'applicabilità dei requisiti ISO 9001:2015 possono essere ottenute consultando l'organizzazione
Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

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Soprintendenza G.S. 04 - 01-04-02
Mutual Recognition Agreement

IAF: 19, 29

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The validity of the certificate is submitted to annual audit and a re-assessment of the entire Management System within three years.



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Validità del catalogo

Le informazioni contenute in questo catalogo sono indicative, non impegnano **ELECTRO ADDA** e possono essere modificate da **ELECTRO ADDA** senza alcun preavviso.

Su richiesta in sede di ordine **ELECTRO ADDA** fornirà le informazioni richieste impegnative.

ELECTRO ADDA non è responsabile se i prodotti qui descritti verranno utilizzati al di fuori delle specifiche per le quali sono stati progettati.

Descrizione generale

I motori della serie S con altezza d'asse da 63÷355, sono del tipo chiuso, con ventilazione esterna e hanno il rotore a gabbia di scoiattolo.

I motori serie S sono progettati per i sistemi di estrazione fumi e sono realizzati nelle seguenti classi:

| Classe Class | Temperatura °C Temperature °C | Periodo di funzionamento minimo (min.) Minimum working period (min.) |
|-----------------|----------------------------------|---|
| F200 | 200 | 120 |
| F300 | 300 | 60 e/and 120* |
| F400 | 400 | 120 |

*La classe F200 120 minuti è prevista alla voce “non classificato”.

I motori grandezza 63÷355LT sono caratterizzati dall'aver la carcassa realizzata in lega leggera di alluminio ad alta resistenza (serie SA).

I motori grandezza 355L sono caratterizzati dall'aver la carcassa realizzata in acciaio (serie SS).

I motori serie S sono conformi alla nuova classificazione europea IEC 60034-30-2-1 ed 2014 e possono essere forniti in classe di efficienza standard (IE1), ad alta efficienza (IE2) ed in classe di efficienza premium (IE3).

Validity of the catalogue

Information contained in this catalogue is indicative and not binding **ELECTRO ADDA** and can be modified by **ELECTRO ADDA** without notice.

On request when ordering **ELECTRO ADDA** will provide all requested binding information.

ELECTRO ADDA is not responsible if the products described herein will be used outside of the specifications for which they have been designed.

General description

S series motors frame size 63÷355 are totally enclosed, fan cooled, with squirrel cage rotor.

S series motors have been designed for smoke extraction systems and are available for the following classes:

*The class F200 120 minutes is planned to “unclassified”.

Motors frame size 63÷355LT are provided with high resistance aluminium light alloy frame (SA Series).

Motors frame size 355L are provided with steel frame (SS Series).

S series motors comply with the new European classification IEC 60034-30-2-1 ed 2014 and can be supplied in standard efficiency (IE1), high efficiency (IE2) and premium efficiency (IE3) class.

Nuove normative riguardanti l'efficienza energetica

La Commissione IEC ha introdotto due nuove normative riguardanti l'efficienza energetica dei motori:

- IEC 60034-2-1 che specifica i criteri che definiscono i metodi di prova relativi al calcolo dell'efficienza;
- IEC 60034-30 che definisce le nuove classi di efficienza dei motori.

IEC 60034-2-1; 2007

Il nuovo standard IEC 60034-2-1, entrato in vigore a settembre 2007, introduce nuove regole relative ai metodi di prova da utilizzare per la determinazione delle perdite e dell'efficienza.

Ci sono due modalità di determinazione dell'efficienza: il metodo diretto ed il metodo indiretto. Per il metodo indiretto la nuova norma specifica i seguenti parametri:

- la temperatura di riferimento;
- tre opzioni per la determinazione delle perdite di carico supplementari: misurazione, stima e calcolo matematico.

L'attuale standard **ELECTRO ADDA** utilizza il metodo indiretto di calcolo, e le perdite di carico supplementari determinate dalla misurazione.

I valori di efficienza derivati sono diversi da quelli risultanti dal precedente standard di prova IEC 60034-2-1996. È da notare che i valori di efficienza sono comparabili solo se misurati con lo stesso metodo.

La documentazione del motore deve indicare il metodo utilizzato.

I valori di rendimento nelle pagine dei dati tecnici di questo catalogo, sono dati secondo entrambe i metodi di calcolo vecchio e nuovo.

Di seguito sono mostrate le differenze tra vecchio e nuovo standard.

Vecchio metodo di prova standard IEC 60034-2-1996

Metodo diretto

Metodo indiretto:

- PLL (perdite addizionali) stimato al 0.5% della potenza in ingresso a carico nominale.

Le perdite nello statore e nel rotore sono determinate a 95°C.

Nuovo metodo di prova standard IEC 60034-2-1-2007

Metodo diretto

Metodo indiretto:

- Misurazione: PLL calcolato da prove di carico;
- Stima: PLL dal 2,5% al 1,0% di potenza in ingresso a carico nominale compresa tra 0,1 kW e 1.000 kW;
- Matematica: metodo alternativo indiretto per il calcolo matematico del PLL. Le perdite nello statore e nel rotore sono determinate a 25°C + temperatura reale misurata.

IEC 60034-30; 2008 + IEC 60034-30-1; 2014

La norma IEC 60034-30 ottobre 2008 definisce quattro classi di efficienza IE (International Efficiency) per motori asincroni trifasi a gabbia e singola velocità.

New standards concerning energy efficiency

The IEC Commission introduced two new standards concerning energy efficient motors.

- IEC/EN 60034-2-1 specifies new rules concerning efficiency testing methods;
- IEC 60034-30 defines new efficiency classes for motors.

IEC/EN 60034-2-1; 2007

The new standard IEC/EN 60034-2-1, which came into force September 2007, introduces new rules concerning the testing methods to be used for determining losses and efficiency.

It offers two ways of determining the efficiency: direct method and indirect method. The new standard specifies the following parameters for determining the efficiency according to the indirect method:

- reference temperature;
- three options for determining additional load losses: measurement, estimation and mathematical.

Current **ELECTRO ADDA** standard uses the indirect calculation method, additional load losses are determined from measuring.

The resulting efficiency values differ from those obtained under the previous IEC 60034-2-1996 testing standard. It must be noted that efficiency values are only comparable if they are measured using the same method.

The motor documentation must state which method is used.

The efficiency values on the technical data pages in this catalogue are given according to both new and old calculation methods.

The table below shows the differences between old and new standard.

Old efficiency testing standard EN/IEC 60034-2-1996

Direct method

Indirect method:

- PLL (=additional losses) estimated at 0.5% of input power at rated load.

Winding losses in stator and rotor determined at 95°C.

New efficiency testing standard IEC/EN 60034-2-1-2007

Direct method

Indirect method:

- Measurement: PLL calculated from load tests;
- Estimation: PLL at 2.5% - 1.0% of input power at rated load between 0.1 kW and 1.000 kW;
- Mathematical calculation: alternative indirect method with mathematical calculation of PLL. Winding losses in stator and rotor determined at 25°C + actual measured temperature.

IEC 60034-30; 2008 + IEC 60034-30-1; 2014

IEC 60034-30: October 2008 defines four IE (International Efficiency) efficiency classes of single speed, three phase, cage induction motors.

- **IE1 = Efficienza standard** (livelli di efficienza più o meno equivalente a EFF2 in Europa al giorno d'oggi);
- **IE2 = Alta efficienza** (livelli di efficienza più o meno equivalente a EFF1 in Europa oggi e identico a EPEA in USA per 60 Hz);
- **IE3 = Efficienza Premium** (nuova classe di efficienza in Europa oggi e identico a "NEMA Premium" negli Stati Uniti per 60 Hz).
- **IE4 = Efficienza Super Premium**

La nuova versione è stata pubblicata a marzo 2014. L'oggetto della norma **IEC 60034-30, Parte 1 Motori alimentati dalla rete** è stato esteso e modificato come segue:

- Tutti i motori alimentati dalla rete elettrica (per esempio i motori monofase e i motori a magneti permanenti con avviamento in rete);
- Potenza nominale da 0.12 a 1.000 kW;
- Intervallo di tensioni comprese tra 50 V e 1 kV;
- 2, 4, 6, 8 poli;
- Tutti i motori termicamente in grado di fornire un funzionamento in continuo;
- Intervallo di temperature comprese tra -20°C e +60°C (valori nominali a 25°C), ad inclusione di motori per estrazione fumi con una classe di temperatura sino a 400°C compresi;
- Utilizzabile sino a 4.000 m l/m (valori nominali a 1.000 m);
- Definizione di valori di efficienza IE4.

I seguenti motori sono esclusi dalla IEC 60034-30:

- Motori per il funzionamento con convertitori.
- Motori integrati in una macchina (per es. pompe, ventilatori o compressori) che non possono essere provati separatamente da essa.

- **IE1 = Standard efficiency** (efficiency levels roughly equivalent to EFF2 in Europe nowadays);
- **IE2 = High efficiency** (efficiency levels roughly equivalent to EFF1 in Europe nowadays and identical to EPEA in USA for 60 Hz);
- **IE3 = Premium efficiency** (new efficiency class in Europe nowadays and identical to "NEMA Premium" in the USA for 60 Hz).
- **IE4 = Super Premium efficiency**

IEC60034-30 has been issued in March 2014 - **Part 1 Grid supply motors**. Following amendments have been dictated:

- All LV motors grid supply (e.g. single phase or PM - DOL);
- 0.12 to 1.000 kW;
- From 50 V to 1 kV;
- 2, 4, 6, 8 poles;
- All motors for continuous thermal duty;
- Ambient temperature -20°C to +60°C (rated value @ 25°C including smoke motors up 400°C class);
- Up to 4.000 m (rated value @ 1.000 m);
- IE4 efficiency class.

Following motors are excluded from IEC 60034-30:

- Motors made solely for converter operation.
- Motors completely integrated into a machine (for example, pump, fan and compressor) that cannot be tested separately from the machine.

Valori limite di efficienza IEC 60034-30 standard ottobre 2008 sulla base di IEC 60034-2-1; 2007 standard - **Funzionamento a 50 Hz.** : *Efficiency limit values acc. to IEC 60034-30; October 2008 standard; based on IEC 60034-2-1; 2007 standard - 50 Hz mains supply frequency.*

| Potenza nominale Rated power | Efficienza standard (IE1) Standard Efficiency (IE1) N. poli / Number of poles | | | | Alta Efficienza (IE2) High Efficiency (IE2) N. poli / Number of poles | | | | Efficienza Premium (IE3) Premium Efficiency (IE3) N. poli / Number of poles | | | | Efficienza Super Premium (IE4) Super Premium Efficiency (IE4) N. poli / Number of poles | | | |
|---------------------------------|---|------|------|------|---|------|------|------|---|------|------|------|---|------|------|------|
| | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 |
| 0,12 | 45,0 | 50,0 | 38,3 | 31,0 | 53,6 | 59,1 | 50,6 | 39,8 | 60,8 | 64,8 | 57,7 | 50,7 | 66,5 | 69,8 | 64,9 | 62,3 |
| 0,18 | 52,8 | 57,0 | 45,5 | 38,0 | 60,4 | 64,7 | 56,6 | 45,9 | 65,9 | 69,9 | 63,9 | 58,7 | 70,8 | 74,7 | 70,1 | 67,2 |
| 0,20 | 54,6 | 58,5 | 47,6 | 39,7 | 61,9 | 65,9 | 58,2 | 47,4 | 67,2 | 71,1 | 65,4 | 60,6 | 71,9 | 75,8 | 71,4 | 68,4 |
| 0,25 | 58,2 | 61,5 | 52,1 | 43,4 | 64,8 | 68,5 | 61,6 | 50,6 | 69,7 | 73,5 | 68,6 | 64,1 | 74,3 | 77,9 | 74,1 | 70,8 |
| 0,37 | 63,9 | 66,0 | 59,7 | 49,7 | 69,5 | 72,7 | 67,6 | 56,1 | 73,8 | 77,3 | 73,5 | 69,3 | 78,1 | 81,1 | 78,0 | 74,3 |
| 0,40 | 64,9 | 66,8 | 61,1 | 50,9 | 70,4 | 73,5 | 68,8 | 57,2 | 74,6 | 78,0 | 74,4 | 70,1 | 78,9 | 81,7 | 78,7 | 74,9 |
| 0,55 | 69,0 | 70,0 | 65,8 | 56,1 | 74,1 | 77,1 | 73,1 | 61,7 | 77,8 | 80,8 | 77,2 | 73,0 | 81,5 | 83,9 | 80,9 | 77,0 |
| 0,75 | 72,1 | 72,1 | 70,0 | 61,2 | 77,4 | 79,6 | 75,9 | 66,2 | 80,7 | 82,5 | 78,9 | 75,0 | 83,5 | 85,7 | 82,7 | 78,4 |
| 1,1 | 75,0 | 75,0 | 72,9 | 66,5 | 79,6 | 81,4 | 78,1 | 70,8 | 82,7 | 84,1 | 81,0 | 77,7 | 85,2 | 87,2 | 84,5 | 80,8 |
| 1,5 | 77,2 | 77,2 | 75,2 | 70,2 | 81,3 | 82,8 | 79,8 | 74,1 | 84,2 | 85,3 | 82,5 | 79,7 | 86,5 | 88,2 | 85,9 | 82,6 |
| 2,2 | 79,7 | 79,7 | 77,7 | 74,2 | 83,2 | 84,3 | 81,8 | 77,6 | 85,9 | 86,7 | 84,3 | 81,9 | 88,0 | 89,5 | 87,4 | 84,5 |
| 3 | 81,5 | 81,5 | 79,7 | 77,0 | 84,6 | 85,5 | 83,3 | 80,0 | 87,1 | 87,7 | 85,6 | 83,5 | 89,1 | 90,4 | 88,6 | 85,9 |
| 4 | 83,1 | 83,1 | 81,4 | 79,2 | 85,8 | 86,6 | 84,6 | 81,9 | 88,1 | 88,6 | 86,8 | 84,8 | 90,0 | 91,1 | 89,5 | 87,1 |
| 5,5 | 84,7 | 84,7 | 83,1 | 81,4 | 87,0 | 87,7 | 86,0 | 83,8 | 89,2 | 89,6 | 88,0 | 86,2 | 90,9 | 91,9 | 90,5 | 88,3 |
| 7,5 | 86,0 | 86,0 | 84,7 | 83,1 | 88,1 | 88,7 | 87,2 | 85,3 | 90,1 | 90,4 | 89,1 | 87,3 | 91,7 | 92,6 | 91,3 | 89,3 |
| 11 | 87,6 | 87,6 | 86,4 | 85,0 | 89,4 | 89,8 | 88,7 | 86,9 | 91,2 | 91,4 | 90,3 | 88,6 | 92,6 | 93,3 | 92,3 | 90,4 |
| 15 | 88,7 | 88,7 | 87,7 | 86,2 | 90,3 | 90,6 | 89,7 | 88,0 | 91,9 | 92,1 | 91,2 | 89,6 | 93,3 | 93,9 | 92,9 | 91,2 |
| 18,5 | 89,3 | 89,3 | 88,6 | 86,9 | 90,9 | 91,2 | 90,4 | 88,6 | 92,4 | 92,6 | 91,7 | 90,1 | 93,7 | 94,2 | 93,4 | 91,7 |
| 22 | 89,9 | 89,9 | 89,2 | 87,4 | 91,3 | 91,6 | 90,9 | 89,1 | 92,7 | 93,0 | 92,2 | 90,6 | 94,0 | 94,5 | 93,7 | 92,1 |
| 30 | 90,7 | 90,7 | 90,2 | 88,3 | 92,0 | 92,3 | 91,7 | 89,8 | 93,3 | 93,6 | 92,9 | 91,3 | 94,5 | 94,9 | 94,2 | 92,7 |
| 37 | 91,2 | 91,2 | 90,8 | 88,8 | 92,5 | 92,7 | 92,2 | 90,3 | 93,7 | 93,9 | 93,3 | 91,8 | 94,8 | 95,2 | 94,5 | 93,1 |
| 45 | 91,7 | 91,7 | 91,4 | 89,2 | 92,9 | 93,1 | 92,7 | 90,7 | 94,0 | 94,2 | 93,7 | 92,2 | 95,0 | 95,4 | 94,8 | 93,4 |
| 55 | 92,1 | 92,1 | 91,9 | 89,7 | 93,2 | 93,5 | 93,1 | 91,0 | 94,3 | 94,6 | 94,1 | 92,5 | 95,3 | 95,7 | 95,1 | 93,7 |
| 75 | 92,7 | 92,7 | 92,6 | 90,3 | 93,8 | 94,0 | 93,7 | 91,6 | 94,7 | 95,0 | 94,6 | 93,1 | 95,6 | 96,0 | 95,4 | 94,2 |
| 90 | 93,0 | 93,0 | 92,9 | 90,7 | 94,1 | 94,2 | 94,0 | 91,9 | 95,0 | 95,2 | 94,9 | 93,4 | 95,8 | 96,1 | 95,6 | 94,4 |
| 110 | 93,3 | 93,3 | 93,3 | 91,1 | 94,3 | 94,5 | 94,3 | 92,3 | 95,2 | 95,4 | 95,1 | 93,7 | 96,0 | 96,3 | 95,8 | 94,7 |
| 132 | 93,5 | 93,5 | 93,5 | 91,5 | 94,6 | 94,7 | 94,6 | 92,6 | 95,4 | 95,6 | 95,4 | 94,0 | 96,2 | 96,4 | 96,0 | 94,9 |
| 160 | 93,8 | 93,8 | 93,8 | 91,9 | 94,8 | 94,9 | 94,8 | 93,0 | 95,6 | 95,8 | 95,6 | 94,3 | 96,3 | 96,6 | 96,2 | 95,1 |
| 200 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |
| 250 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |
| 315 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |
| 355 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |
| 400 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |
| 450 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |
| 500-1000 | 94,0 | 94,0 | 94,0 | 92,5 | 95,0 | 95,1 | 95,0 | 93,5 | 95,8 | 96,0 | 95,8 | 94,6 | 96,5 | 96,7 | 96,3 | 95,4 |

Non applicabili, ma disponibili su richiesta.

: *Not applicable but available on request.*

Valori limite di efficienza IEC 60034-30 standard ottobre 2008 sulla base di IEC 60034-2-1; 2007 standard - **Funzionamento a 60 Hz.**

Efficiency limit values acc. to IEC 60034-30; October 2008 standard; based on IEC 60034-2-1; 2007 standard - 60 Hz mains supply frequency.

| Potenza nominale Rated power | Efficienza standard (IE1) Standard Efficiency (IE1) N. poli / Number of poles | | | | Alta Efficienza (IE2) High Efficiency (IE2) N. poli / Number of poles | | | | Efficienza Premium (IE3) Premium Efficiency (IE3) N. poli / Number of poles | | | | Efficienza Super Premium (IE4) Super Premium Efficiency (IE4) N. poli / Number of poles | | | |
|---------------------------------|---|------|------|------|---|------|------|------|---|------|------|------|---|------|------|------|
| | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 | 2 | 4 | 6 | 8 |
| 0,12 | 57,5 | 62,0 | 48,0 | 36,0 | 59,5 | 64,0 | 50,5 | 40,0 | 62,0 | 66,0 | 64,0 | 59,5 | 66,0 | 70,0 | 68,0 | 64,0 |
| 0,18 | 62,0 | 66,0 | 52,5 | 40,0 | 64,0 | 68,0 | 55,0 | 46,0 | 65,6 | 69,5 | 67,5 | 64,0 | 70,0 | 74,0 | 72,0 | 68,0 |
| 0,25 | 64,0 | 68,0 | 57,5 | 50,5 | 68,0 | 70,0 | 59,5 | 52,0 | 69,5 | 73,4 | 71,4 | 68,0 | 74,0 | 77,0 | 75,5 | 72,0 |
| 0,37 | 70,0 | 70,0 | 62,0 | 57,5 | 72,0 | 72,0 | 64,0 | 58,0 | 73,4 | 78,2 | 75,3 | 72,0 | 77,0 | 81,5 | 78,5 | 75,5 |
| 0,55 | 72,0 | 74,0 | 66,0 | 59,5 | 74,0 | 75,5 | 68,0 | 62,0 | 76,8 | 81,1 | 81,7 | 74,0 | 80,0 | 84,0 | 82,5 | 77,0 |
| 0,75 | 74,0 | 77,0 | 72,0 | 64,0 | 75,5 | 78,0 | 73,0 | 66,0 | 77,0 | 83,5 | 82,5 | 75,5 | 82,5 | 85,5 | 84,0 | 78,5 |
| 1,1 | 78,5 | 79,0 | 75,0 | 73,5 | 82,5 | 84,0 | 85,5 | 75,5 | 84,0 | 86,5 | 87,5 | 78,5 | 85,5 | 97,5 | 88,5 | 81,5 |
| 1,5 | 81,0 | 81,5 | 77,0 | 77,0 | 84,0 | 84,0 | 86,5 | 82,5 | 85,5 | 86,5 | 88,5 | 84,0 | 86,5 | 88,5 | 89,5 | 85,5 |
| 2,2 | 81,5 | 83,0 | 78,5 | 78,0 | 85,5 | 87,5 | 87,5 | 84,0 | 86,5 | 89,5 | 89,5 | 85,5 | 88,5 | 91,0 | 90,2 | 87,5 |
| 3,7 | 84,5 | 85,0 | 83,5 | 80,0 | 87,5 | 87,5 | 87,5 | 85,5 | 88,5 | 89,5 | 89,5 | 86,5 | 89,5 | 91,0 | 90,2 | 88,5 |
| 5,5 | 86,0 | 87,0 | 85,0 | 84,0 | 88,5 | 89,5 | 89,5 | 85,5 | 89,5 | 91,7 | 91,0 | 86,5 | 90,2 | 92,4 | 91,7 | 88,5 |
| 7,5 | 87,5 | 87,5 | 86,0 | 85,0 | 89,5 | 89,5 | 89,5 | 88,5 | 90,2 | 91,7 | 91,0 | 89,5 | 91,7 | 92,4 | 92,4 | 91,0 |
| 11 | 87,5 | 88,5 | 89,0 | 87,5 | 90,2 | 91,0 | 90,2 | 88,5 | 91,0 | 92,4 | 91,7 | 89,5 | 92,4 | 93,6 | 93,0 | 91,0 |
| 15 | 88,5 | 89,5 | 89,5 | 88,5 | 90,2 | 91,0 | 90,2 | 89,5 | 91,0 | 93,0 | 91,7 | 90,2 | 92,4 | 94,1 | 93,0 | 91,7 |
| 18,5 | 89,5 | 90,5 | 90,2 | 88,5 | 91,0 | 92,4 | 91,7 | 89,5 | 91,7 | 93,6 | 93,0 | 90,2 | 93,0 | 94,5 | 94,1 | 91,7 |
| 22 | 89,5 | 91,0 | 91,0 | 90,2 | 91,0 | 92,4 | 91,7 | 91,0 | 91,7 | 93,6 | 93,0 | 91,7 | 93,0 | 94,5 | 94,1 | 93,0 |
| 30 | 90,2 | 91,7 | 91,7 | 90,2 | 91,7 | 93,0 | 93,0 | 91,0 | 92,4 | 94,1 | 94,1 | 91,7 | 93,6 | 95,0 | 95,0 | 93,0 |
| 37 | 91,5 | 92,4 | 91,7 | 91,0 | 92,4 | 93,0 | 93,0 | 91,7 | 93,0 | 94,5 | 94,1 | 92,4 | 94,1 | 95,4 | 95,0 | 93,6 |
| 45 | 91,7 | 93,0 | 91,7 | 91,0 | 93,0 | 93,6 | 93,6 | 91,7 | 93,6 | 95,0 | 94,5 | 92,4 | 94,5 | 95,4 | 95,4 | 93,6 |
| 55 | 92,4 | 93,0 | 92,1 | 91,5 | 93,0 | 94,1 | 93,6 | 93,0 | 93,6 | 95,4 | 94,5 | 93,6 | 94,5 | 95,8 | 95,4 | 94,5 |
| 75 | 93,0 | 93,2 | 93,0 | 92,0 | 93,6 | 94,5 | 94,1 | 93,0 | 94,1 | 95,4 | 95,0 | 93,6 | 95,0 | 96,2 | 95,8 | 94,5 |
| 90 | 93,0 | 93,2 | 93,0 | 92,5 | 94,5 | 94,5 | 94,1 | 93,6 | 95,0 | 95,4 | 95,0 | 94,1 | 95,4 | 96,2 | 95,8 | 95,0 |
| 110 | 93,0 | 93,5 | 94,1 | 92,5 | 94,5 | 95,0 | 95,0 | 93,6 | 95,0 | 95,8 | 95,8 | 94,1 | 95,4 | 96,2 | 96,2 | 95,0 |
| 150 | 94,1 | 94,5 | 94,1 | 92,5 | 95,0 | 95,0 | 95,0 | 93,6 | 95,4 | 96,2 | 95,8 | 94,5 | 95,8 | 96,5 | 96,2 | 95,4 |
| 185 | 94,1 | 94,5 | 94,1 | 92,5 | 95,4 | 95,0 | 95,0 | 93,6 | 95,8 | 96,2 | 95,8 | 95,0 | 96,2 | 96,5 | 96,2 | 95,4 |
| 200 | 94,1 | 94,5 | 94,1 | 92,5 | 95,4 | 95,4 | 95,0 | 93,6 | 95,8 | 96,2 | 95,8 | 95,0 | 96,2 | 96,8 | 96,5 | 95,4 |
| 220 | 94,1 | 94,5 | 94,1 | 92,5 | 95,4 | 95,4 | 95,0 | 93,6 | 95,8 | 96,2 | 95,8 | 95,0 | 96,2 | 96,8 | 96,5 | 95,4 |
| 250 | 94,1 | 94,5 | 94,1 | 92,5 | 95,4 | 95,4 | 95,0 | 93,6 | 95,8 | 96,2 | 95,8 | 95,0 | 96,2 | 96,8 | 96,5 | 95,8 |
| 335 | 94,1 | 94,5 | 94,1 | 92,5 | 95,4 | 95,4 | 95,0 | 93,6 | 95,8 | 96,2 | 95,8 | 95,0 | 96,2 | 96,8 | 96,5 | 95,8 |
| 375-1000 | 94,1 | 94,5 | 94,1 | 92,5 | 95,4 | 95,8 | 95,0 | 94,1 | 95,8 | 96,2 | 95,8 | 95,0 | 96,2 | 96,8 | 96,5 | 95,8 |

I livelli di rendimento definiti dalla norma IEC 60034-30 sono basati sui metodi di prova specificati nella IEC 60034-2-1:2007.

Rispetto alle vecchie classi di efficienza, secondo l'accordo CEMEP, il campo di applicazione è stato esteso.

Efficiency levels defined in IEC 60034-30 are based on tests methods specified in IEC 60034-2-1: 2007.

Compared to old efficiency classes acc. to CEMEP agreement the scope has been expanded.

Regolamento (CE) N. 640/2009 della Commissione del 22 luglio 2009 + modifiche 4/2014

Il regolamento nr. 640/2009 prescrive:

A) a partire dal 16 giugno 2011 i motori devono avere come minimo un livello di efficienza IE2, quale definito all'allegato I punto 1:

B) a partire dal 1 gennaio 2015:

i) i motori con una potenza nominale compresa tra 7,5 e 375 kW devono avere come minimo il livello di efficienza IE3, oppure il livello di efficienza IE2, e devono essere muniti di variatore di velocità;

C) a partire dal 1 gennaio 2017:

i) tutti i motori con una potenza nominale compresa tra 0,75 e 375 kW devono avere come minimo il livello di efficienza IE3, oppure il livello di efficienza IE2, e devono essere muniti di variatore di velocità.

Regulation (EC) No. 640/2009 of the Commission of July 22, 2009 + update 4/2014

The regulation no. 640/2009 provides:

A) *as to June 16, 2011, motors shall have at least an IE2 efficiency level, as defined in Annex I, point 1;*

B) *as of January 1, 2015:*

i) motors with a rated output between 7,5 and 375 kW must have at least the IE3 efficiency level, or the IE2 efficiency level, and must be equipped with a speed variator;

C) *as to January 1, 2017:*

i) all motors with a rated output between 0,75 and 375 kW must have at least the IE3 efficiency level, or the IE2 efficiency level, and must be equipped with a speed variator.

Tale regolamento si applica a:

- un motore elettrico a induzione a gabbia, monovelocità e trifase,

This Regulation shall apply to:

- *an induction electric motor with cage rotor, single-speed and*

con una frequenza di 50 Hz o 50-60 Hz

- da 2 a 6 poli,
- una tensione nominale (UN) massima di 1.000 V,
- una potenza nominale (PN) compresa tra 0,75 kW e 375 kW,
- caratteristiche basate su un funzionamento in continuo,

Eccezioni

- A)** Motori progettati per funzionare interamente immersi in un liquido.
- B)** Motori completamente integrati in un prodotto (per esempio pompe, ventilatori, riduttori e compressori) e per i quali non è possibile testare le prestazioni energetiche autonomamente da questa macchina.
- C)** Motori autofrenanti.

Ambiente di installazione

I motori della serie S descritti nel presente catalogo sono stati progettati e sono costruiti per applicazioni industriali, e quindi sono adatti ad essere installati in normali ambienti industriali.

Normalmente si presume che l'ambiente in cui il motore verrà installato sia:

- secco, ossia con umidità relativa $\leq 75\%$;
- libero da agenti chimici, ossia che non siano presenti concentrazioni di gas e/o vapori e/o polveri che possano corrodere chimicamente i materiali di cui sono composti i motori stessi.

Nel caso di ambienti difficili, il tipo di protezione, di raffreddamento ed i materiali devono essere definiti in sede di offerta.

La temperatura minima di lavoro è di -20°C ; in caso di temperature ambiente inferiori, contattare **ELECTRO ADDA**.

I motori della serie S descritti nel presente catalogo NON possono essere installati in ambienti con pericolo di esplosione.

three-phase with a frequency of 50 Hz or 50-60 Hz

- *from 2 to 6 poles,*
- *a maximum rated voltage (UN) of 1.000 V,*
- *rated nominal power (PN) between 0,75 kW and 375 kW,*
- *features based on a continuous operation.*

Exclusions

- A)** *Motors designed to work fully immersed in a liquid.*
- B)** *Motors integrated with a product (e.g. pumps, fans, gear boxes and compressors) and where it is not possible to split the energy performance.*
- C)** *Brake motors.*

Working environment

S series motors described in this catalogue are designed and manufactured for industrial applications, and thus are suitable to be installed in normal industrial environments.

Normally it is assumed that the environment in which the motor will be installed is:

- *dry, ie with relative humidity $\leq 75\%$;*
- *free from chemicals, namely that there are no concentrations of gases and / or vapors and / or dust that may chemically corrode the materials the motors are made of.*

In case of harsh environments, type of protection, cooling and materials must be defined when offering.

*Minimum working temperature is -20°C ; in case of lower ambient temperatures, please contact **ELECTRO ADDA**.*

S series motors described in this catalogue CANNOT be installed in environments with risk of explosion.

I motori serie S sono conformi alle seguenti Norme e Direttive:

: S series motors comply with the following Standards and Directives:

| CEI | IEC | Titolo | Title |
|--------------------|--------------------|---|---|
| EN 60034-1 | 60034-1 | Caratteristiche nominali e di funzionamento | Rating and performances |
| EN 60034-2 | 60034-2 | Metodi di determinazione delle perdite e rendimento | Methods for determining losses and efficiency |
| EN 60034-5 | 60034-5 | Classificazione dei gradi di protezione (codice IP) | Classification of the degrees of protection (IP code) |
| EN 60034-6 | 60034-6 | Metodi di raffreddamento (codice IC) | Methods of cooling (IC code) |
| EN 60034-7 | 60034-7 | Tipi di costruzione, forme costruttive e posizione scatola morsetti (codice IM) | Types of construction, mounting arrangements and terminal box position (IM code) |
| EN 60034-8 | 60034-8 | Marcatura dei terminali e senso di rotazione | Terminal markings and direction of rotation |
| EN 60034-9 | 60034-9 | Limiti di rumore | Noise limits |
| 60034-11 | 60034-11 | Protezioni termiche a bordo macchina | Built-in thermal protections |
| EN 60034-12 | 60034-12 | Prestazioni elettriche delle macchine elettriche rotanti all'avviamento | Starting performance of rotating electrical machines |
| EN 60034-14 | 60034-14 | Vibrazioni meccaniche delle macchine rotanti | Mechanical vibrations of rotating machines |
| IEC 60034-30 Ed. 1 | | Classe di efficienza di motori asincroni trifase con rotore a gabbia a singola velocità (codice IE) | Efficiency classes of single-speed, three-phase, cage-induction motors (IE code) |
| EN 50347 | 60072-1 60072-2 | Dimensioni e potenze delle macchine rotanti | Dimensions and outputs for rotating machines |
| IEC TS 60034-25 | | Guida per il progetto e le prestazioni di motori ca specificatamente progettati per alimentazione da inverter Specifica tecnica | Guidance for the design and performance of a.c. motors specifically designed for converter supply Technical specification |
| IEC TS 60034-18-41 | | Qualificazione e prove di tipo dei sistemi d'isolamento di tipo utilizzati nelle macchine rotanti alimentate da inverter Specifica tecnica | Qualification and type tests for type I electrical insulation systems used in rotating electrical machines fed from voltage converters Technical specification |
| UNI ISO 2768/1-2 | | Tolleranze generali | General tolerances |
| UNI 321 | | Estremità d'albero | Shaft end |
| 73/23/EEC | | Direttiva bassa tensione | Low voltage directive |
| 89/336/EEC (EMC) | | Direttiva compatibilità elettromagnetica | Electromagnetic compatibility directive |
| 2006/42/CE | | Direttiva macchine | Machine directive |
| UNI EN 12101-3 | | Sistemi per il controllo di fumo e calore Specifiche per gli evacuatori forzati di fumo e calore | Smoke and heat control systems Specification for natural smoke and heat exhaust ventilators |

Le unificazioni UNEL concordano con le norme internazionali IEC, pubblicazione 72, e relativo Emendamento N° 1.

: The UNEL standardizations are in accordance with the IEC international standards publication 72 and relative Amendment No. 1.

Norme UL - CSA (Nord America) EAC (Confederazione Euro Asiatica)

I motori del presente catalogo possono essere forniti a richiesta secondo i requisiti delle Norme UL 1004-1 Rotating Electric Machines - General Requirements, First Edition, e delle Norme CSA C22.2 No. 100-04, Motors and Generators, Sixth Edition (Certificato di Conformità No. 151205-E247839 emesso da Underwriters Laboratories).

A richiesta, possono anche essere forniti con certificato EAC (certificato 1323158), in conformità alle seguenti Regole Tecniche dell'Unione Doganale fra Russia, Bielorussia e Kazakistan:

- TP TC 004/2001 Low Voltage
- TP TC 020/2011 EMC

(Dichiarazione di Conformità TR CU numero TC RU D-IT.AP16.V.04674 (marchio EAC)).

Questa Dichiarazione di Conformità si applica in Russia, Bielorussia e Kazakistan.

UL - CSA (North America) EAC (Euro Asian) Standards

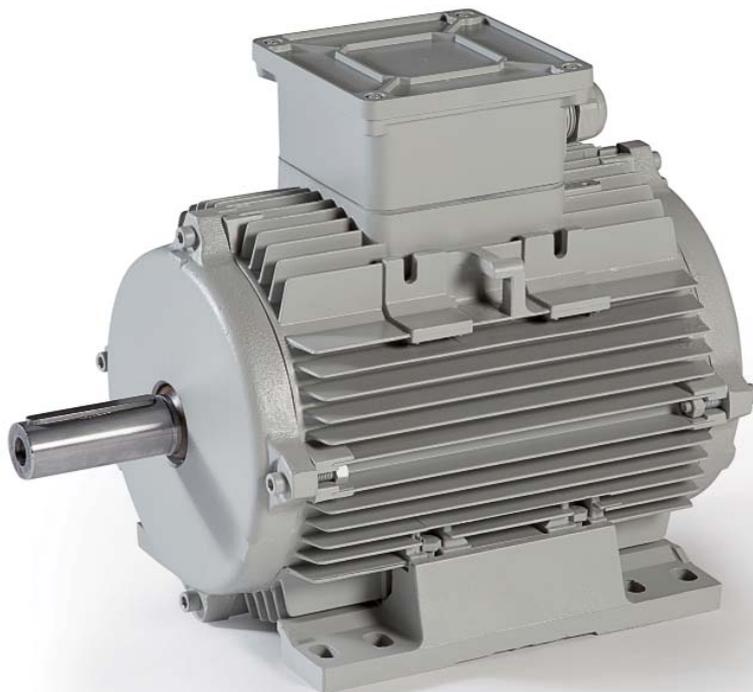
On request, motors in this catalogue can be supplied to meet the requirements of UL Standards 1004-1 Rotating Electric Machines - General Requirements, First Edition, and CSA Standards C22.2 No. 100-04, Motors and Generators, Sixth Edition (Certificate of Conformity No. 151205-E247839 issued by Underwriters Laboratories).

On request, they can also be supplied with EAC Certification (Nr.1323158), in conformity with the following Custom Union Technical Regulation among Russia, Byelorussia and Kazakhstan:

- TP TC 004/2011 Low Voltage*
- TP TC 020/2011 EMC*

(Declaration of Conformity TR CU number TC RU D-IT.AP16.V.04674 (EAC mark)).

This Declaration of Conformity is applicable in Russia, Bielorussia and Kazakhstan.



Tutti i motori serie S sono progettati, realizzati, assemblati e collaudati presso lo stabilimento ELECTRO ADDA di BEVERATE di BRIVIO - Lecco - ITALIA.

All S series motors are designed, manufactured, assembled and tested at ELECTRO ADDA works in BEVERATE di BRIVIO - Lecco - ITALY.

**COMPLETAMENTE
REALIZZATO IN ITALIA**

**TOTALLY
MADE IN ITALY**

Certificate of Compliance

Certificate Number 151205 - E247839
Report Reference E247839, November 23rd, 2005
Issue Date 2005 December 15



Issued to: **Electro Adda S.p.A.**
Via Nazionale 8
I-23883 Brivio (LC) Italy

This is to certify that representative samples of

MOTORS

Motor construction for three phase squirrel cage induction motors. Regular Double Pole Motor series RM DFP, RM 8-16, 4-6, 4-8, 2-8, 8-6, 7-1, 6-6, 5-6, 10-1, 11-2, 12-2, 16-1, 18-1, 20-1, 22-1, 24-1, 26-1, 28-1, 30-1, 32-1, 34-1, 36-1, 38-1, 40-1, 42-1, 44-1, 46-1, 48-1, 50-1, 52-1, 54-1, 56-1, 58-1, 60-1, 62-1, 64-1, 66-1, 68-1, 70-1, 72-1, 74-1, 76-1, 78-1, 80-1, 82-1, 84-1, 86-1, 88-1, 90-1, 92-1, 94-1, 96-1, 98-1, 100-1, 112-1, 122-1, 140-1, 160-1, 180-1, 200-1, 220-1, 240-1, 260-1, 280-1, 300-1, 320-1, 340-1, 360-1, 380-1, 400-1, 420-1, 440-1, 460-1, 480-1, 500-1, 520-1, 540-1, 560-1, 580-1, 600-1, 620-1, 640-1, 660-1, 680-1, 700-1, 720-1, 740-1, 760-1, 780-1, 800-1, 820-1, 840-1, 860-1, 880-1, 900-1, 920-1, 940-1, 960-1, 980-1, 1000-1, 1100-1, 1200-1, 1300-1, 1400-1, 1500-1, 1600-1, 1700-1, 1800-1, 1900-1, 2000-1, 2200-1, 2400-1, 2600-1, 2800-1, 3000-1, 3200-1, 3400-1, 3600-1, 3800-1, 4000-1, 4200-1, 4400-1, 4600-1, 4800-1, 5000-1, 5200-1, 5400-1, 5600-1, 5800-1, 6000-1, 6200-1, 6400-1, 6600-1, 6800-1, 7000-1, 7200-1, 7400-1, 7600-1, 7800-1, 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ТАМОЖЕННЫЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель, ООО «ВИК-Индустри»

600016, г. Владимир, ул. Б. Нижегородская, д. 77, Россия, тел. +74922370339, ОГРН 1073340004858

в лице Генерального директора Байкина Александра Александровича

заявляет, что Двигатели асинхронные, т.м. "Electro Adda", серий: C, FC, FCP, FW, W, FMR, C+FECL, FC+FECL, FCP+FECL, MR+FECL, FMR+FECL, G.

изготовитель: "Electro Adda S.P.A.", Via Nazionale, 8, 23883, Beverate di Brivio, LC, Италия
Код ТН ВЭД ТС: 8501 53810

Серийный выпуск, Договор № 130829 от 06.09.2012 г.

соответствует требованиям

ТР ТС 004/2011 "О безопасности низковольтного оборудования"; ТР ТС 020/2011

"Электромагнитная совместимость технических средств"

Декларация о соответствии принята на основании

протоколов №№ TC2/3-ма/0178, TC2/3-ма/0179 от 08.05.2013 г. Испытательная лаборатория ООО "Спектр", аттестат рег. № РОСС RU.0001.21AB92 от 21.10.2011 г., адрес: 121351 г. Москва, ул. Ивана Франко, д. 18, корп. 1

Дополнительная информация

Декларация о соответствии действительна с даты регистрации по включительно.





Байкин Александр Александрович
(инициалы и фамилия руководителя организации
заявителя или физического лица, зарегистрированного
в качестве индивидуального предпринимателя)

Сведения о регистрации декларации о соответствии:

Регистрационный номер декларации о соответствии: TC RU Д-ИТ.А.116.В.4

Дата регистрации декларации о соответствии: 13.05.2013



ТАМОЖЕННЫЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель, ООО «ВИК-Индустри»

600016, г. Владимир, ул. Б. Нижегородская, д. 77, Россия, тел. +74922370339, ОГРН 1073340004858

в лице Генерального директора Байкина Александра Александровича

заявляет, что Электрогенераторы асинхронные, т.м. "Electro Adda", серий: C, FC, FCP, FW, W, MR, FMR, C+FECL, FC+FECL, FCP+FECL, MR+FECL, FMR+FECL, G.

изготовитель: "Electro Adda S.P.A.", Via Nazionale, 8, 23883, Beverate di Brivio, LC, Италия
Код ТН ВЭД ТС: 8501 53810

Серийный выпуск, Договор № 130829 от 06.09.2012 г.

соответствует требованиям

ТР ТС 004/2011 "О безопасности низковольтного оборудования"; ТР ТС 020/2011

"Электромагнитная совместимость технических средств"

Декларация о соответствии принята на основании

протоколов №№ TC2/3-ма/0176, TC2/3-ма/0177 от 08.05.2013 г. Испытательная лаборатория ООО "Спектр", аттестат рег. № РОСС RU.0001.21AB92 от 21.10.2011 г., адрес: 121351 г. Москва, ул. Ивана Франко, д. 18, корп. 1

Дополнительная информация

Декларация о соответствии действительна с даты регистрации по 12.05.2018 включительно.





Байкин Александр Александрович
(инициалы и фамилия руководителя организации
заявителя или физического лица, зарегистрированного в
качестве индивидуального предпринимателя)

Сведения о регистрации декларации о соответствии:

Регистрационный номер декларации о соответствии: TC RU Д-ИТ.А.116.В.04670

Дата регистрации декларации о соответствии: 13.05.2013

Dichiarazione di conformità

ELECTRO ADDA dichiara che i motori asincroni trifase della serie S sono realizzati in conformità alle seguenti normative internazionali:

- IEC34 (CEI EN 60034);
- ed alle seguenti Direttive Europee:
- Direttiva Bassa Tensione (LVD) 2014/35/EU;
 - Direttiva Compatibilità Elettromagnetica (EMC) 2014/30/EU;
 - Direttiva sulla limitazione dell'impiego di alcune sostanze pericolose nelle apparecchiature elettriche ed elettroniche (RoHS) 2011/65/CE;
 - Direttiva Progettazione Eco-compatibile (Eco-Design) 2009/125/CE.

I motori di questo catalogo sono inoltre conformi alla Direttiva Macchine 2006/42/CE, assumendo per questa che il componente motore non può essere messo in servizio prima che la macchina, in cui sarà incorporato, sia stata dichiarata conforme alle disposizioni della Direttiva. Nell'impiego del motore è necessario garantire il rispetto della norma EN 60204-1 e delle istruzioni di sicurezza e di installazione riportate nel manuale d'uso del produttore.

Declaration of Conformity

ELECTRO ADDA declares that the S series three-phase asynchronous motors are manufactured in accordance with the following international standards:

- IEC34 (IEC EN 60034);
- and the following European Directives:
- Low Voltage Directive (LVD) 2014/35/EU;
 - Electromagnetic Compatibility Directive (EMC) 2014/30/EU;
 - Directive on the Restriction of certain Hazardous Substances in electrical apparatus and electronic equipment (RoHS) 2011/65/CE;
 - Directive Eco-friendly Designing (Eco-Design) 2009/125/EC.

Motors in this catalogue are also in conformity with Machine Directive 2006/42/EC, assuming that the component motor can not be put into service until the machinery into which it is incorporated has been declared in conformity with the provisions of the Directive. When using the motor it is necessary to ensure compliance with the EN 60204-1 and safety instructions and installation instructions in the manufacturer's user manual.

Proprietà riservata

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È vietata la riproduzione anche parziale dello stesso e/o del suo contenuto, senza l'esplicito consenso scritto di **ELECTRO ADDA**.

Nota sulle sigle dei motori

I motori descritti nel presente catalogo vengono individuati secondo le seguenti sigle:

Reserved property

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Note on motors acronyms

Motors described in this catalogue have the following acronyms:

| Forma costruttiva Mounting arrangement | P <0,75 kW | | IE1 | | IE2 | | IE3 | |
|---|---|-------|-------|-------|-------|-------|-------|-------|
| | CA: carcassa in alluminio - CS: carcassa in acciaio CA: aluminium frame - CS: welded steel frame | | | | | | | |
| B3 | S-A | S-S | S1A | S1S | S2A | S2S | S3A | S3S |
| B5 - V1 e derivate/and derived | FS-A | FS-S | FS1A | FS1S | FS2A | FS2S | FS3A | FS3S |
| B3/B5 e derivate/and derived | FS-AP | FS-SP | FS1AP | FS1SP | FS2AP | FS2SP | FS3AP | FS3SP |
| B14 e derivate/and derived | FS-A | FS-S | FS1A | FS1S | FS2A | FS2S | FS3A | FS3S |

Nota 1 - la lettera "F" prima della sigla indica un motore con sola flangia (senza piedi).

Nota 2 - la lettera "F" prima della sigla e la lettera "P" dopo la sigla indicano un motore con flangia e con piedi.

La sigla completa del motore è poi integrata dall'altezza d'asse, la lunghezza della carcassa ed il numero di poli.

Esempi:

S2A132S-4, motore serie SA, Classe di efficienza IE2, con piedi, grandezza 132, lunghezza carcassa S, 4 poli

FS2A132S-4, motore serie SA, Classe di efficienza IE2, con flangia, grandezza 132, lunghezza carcassa S, 4 poli

FS2AP132S-4 motore serie SA, Classe di efficienza IE2, con piedi e flangia, grandezza 132, lunghezza carcassa S, 4 poli

Note 1: letter "F" means a motor with flange (no feet).

Note 2: letter "F" and letter "P" mean a motor with flange and feet.

Complete acronym is then completed by shaft height, frame length and pole number.

Examples:

S2A132S-4, SA series motor, Efficiency class IE2, with feet, frame 132, frame length S, 4 pole

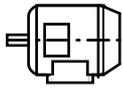
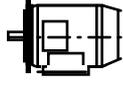
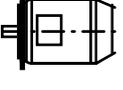
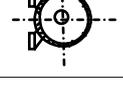
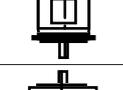
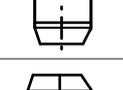
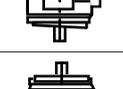
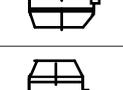
FS2A132S-4, SA series motor, Efficiency class IE2, with flange, frame 132, frame length S, 4 pole

FS2AP132S-4, SA series motor, Efficiency class IE2, with feet and flange, frame 132, frame length S, 4 pole

Forme costruttive

Mountings and positions

Le forme costruttive secondo IEC 60034-7 relative ai motori standard sono indicate con i codici elencati nella seguente tabella. : Mountings and positions for standard motors, according to IEC 60034-7, are defined by the codes mentioned in the following table.

| Figura Drawing | Norme di riferimento - Reference standards | | | Altezze d'asse - Frame sizes | | | |
|---|--|-------------|----------|------------------------------|-----------------------------|-----------------------------|-----------------------------|
| | CEI 2-14 | IEC 60034-7 | | 63÷160 | 180÷250 | 280÷355LT | 355L |
| | | Code I | Code II | | | | |
|  | B3 | IM B3 | IM 1001 | Di serie Standard | | | |
|  | B3/B5 | IM B35 | IM 2001 | Di serie Standard | | | |
|  | B5 | IM B5 | IM 3001 | Di serie Standard | Di serie Standard | A richiesta Upon request | A richiesta Upon request |
|  | B14 | IM B14 | IM 3601 | Di serie Standard | - | - | - |
|  | B8 | IM B8 | IM 1071 | Di serie Standard | A richiesta Upon request | A richiesta Upon request | - |
|  | B6 | IM B6 | IM 1051 | Di serie Standard | A richiesta Upon request | A richiesta Upon request | - |
|  | B7 | IM B7 | IM 1061 | Di serie Standard | A richiesta Upon request | A richiesta Upon request | - |
|  | V1 | IM V1 | IM 3011 | Di serie Standard | | | |
|  | V3 | IM V3 | IM 3031 | Di serie Standard | Di serie Standard | A richiesta Upon request | - |
|  | V5 | IM V5 | IM 1011 | Di serie Standard | A richiesta Upon request | A richiesta Upon request | - |
|  | V6 | IM V6 | IM 1031 | Di serie Standard | A richiesta Upon request | A richiesta Upon request | - |
|  | V1/V5 | IM V15 | IIM 2011 | Di serie Standard | A richiesta Upon request | A richiesta Upon request | - |

Grado di protezione

I motori serie S, in accordo con le Norme IEC 60034-5, hanno i seguenti gradi di protezione:

IP 55 (di serie). Motori chiusi con ventilazione esterna protetti alla penetrazione di polvere e getti d'acqua provenienti da ogni direzione.

IP 56 (a richiesta). Motori stagni protetti alla penetrazione della polvere e contro le ondate.

La ventola esterna è coperta da una calotta avente grado di protezione IP 20 (cioè è protetta contro l'accesso involontario delle dita).

A richiesta, i motori previsti per l'installazione con asse verticale con albero verso il basso, vengono forniti con il tettuccio di protezione.

La scatola morsettiera ha il grado di protezione IP 55 o IP 56.

Gradi più elevati a richiesta.

Particolari costruttivi (standard)

I motori serie S sono stati progettati e vengono realizzati in modo da assicurare la massima affidabilità e sicurezza d'esercizio ed in caso di emergenza in ambiente ad alte temperature.

I motori serie S grandezza 63÷355LT hanno la carcassa realizzata in alluminio (sigla SA), i motori serie S grandezza 355L e 355Lx hanno la carcassa in acciaio (sigla SS).

I motori grandezza 63÷200T classe F200 e F300 hanno gli scudi e le flange realizzate in alluminio.

I motori grandezza 63÷200T classe F400 ed i motori 200÷355LT hanno gli scudi e le flange realizzati in ghisa.

La scatola copri morsettiera, realizzata in alluminio, è posta sopra al motore ed è ruotabile di 90° in 90°.

A richiesta la scatola morsetti può essere posta lateralmente al motore.

La calotta copriventola è metallica in lamiera o in alluminio.

Le ventole sono in materiale metallico.

Degree of protection

S series motors, according to IEC 60034-5 Standards, have the following protection degrees:

IP 55 (standard). *Totally enclosed motors, fan cooled, protected against penetration of dust and water splashes coming from any direction.*

IP 56 (upon request). *Totally enclosed motors, protected against dust penetration and against sea waves.*

The external fan is covered by a fan cover with IP 20 protection degree (accidental contact of fingers is avoided).

Upon request, motors for vertical mounting, can be supplied with rain cowl.

The terminal box has IP 55 or IP 56 protection degree.

Upper levels upon request.

Construction details (standard)

S series motors have been designed and are manufactured to guarantee maximum operating reliability and operation safety in case of high temperature emergency conditions.

S series motors frame size 63÷355LT are provided with aluminium frame (SA denomination), S series motors frame size 355L and 355Lx are provided with welded steel frame (SS denomination).

Motors frame size 63÷200T class F200 and class F300 are provided with aluminium shields and flanges.

Motors frame size 63÷200T class F400 and motors frame size 200÷355LT have cast iron shields and flanges.

Terminal box, made in aluminium, is positioned on top of the motor and it can be rotated in step of 90°.

Upon request the terminal box can be positioned on the side of the motor.

The fan cover is in metal, in steel sheet or aluminium.

Metallic fans are used.

| | Grandezza - Frame size | | | |
|--|---|-------------------|-------------------|----------------------|
| | Serie SA - SA Series | | | Serie SS - SS Series |
| | 63÷132 | 160÷200T | 200÷355LT | 355L÷355Lx |
| Carcassa - Frame | Alluminio - Aluminium | | | Acciaio - Steel |
| Scudo LA Front (DE) shield | Alluminio - Aluminium (F200-F300) Ghisa - Cast iron (F400) | | Ghisa - Cast iron | |
| Scudo LOA Rear (NDE) shield | Alluminio - Aluminium (F200-F300) Ghisa - Cast iron (F400) | | Ghisa - Cast iron | |
| Flangia - Flange | Alluminio - Aluminium (F200-F300) Ghisa - Cast iron (F400) | Ghisa - Cast iron | | |
| Albero - Shaft | Acciaio C43 - Steel C43 | | | |
| Scatola morsetti Terminal box | Alluminio - Aluminium | | | Acciaio - Steel |
| Ventola - Fan | Alluminio - Aluminium | | | Acciaio - Steel |

Bassa temperatura.

In caso di esercizio/stoccaggio a bassa temperatura ambiente **ELECTRO ADDA** mette in atto una costruzione speciale.

Low temperature.

*In case of operation/storage at low ambient temperature **ELECTRO ADDA** will implement a special construction.*

Targhe

Tutti i motori in esecuzione standard sono forniti con targa in alluminio o a richiesta in acciaio inossidabile.

Tutte le targhe, realizzate mediante incisione laser, riportano i dati caratteristici della macchina elettrica in accordo con le norme di riferimento.

A richiesta del cliente possono essere aggiunte targhe speciali riportanti caratteristiche particolari. Per esempio: item di impianto, ecc...

Raffreddamento

La definizione del metodo di raffreddamento è data dal codice IC (International Cooling), in accordo alla norma IEC 60034-6.

I motori in esecuzione standard sono caratterizzati dal metodo di raffreddamento IC 411, con ventola radiale bidirezionale.

Tutti i motori possono essere forniti con sistema di raffreddamento IC 416 su richiesta (vedere sezione "Motori con ventilazione assistita").

In tal caso viene installato un opportuno ventilatore nel copriventola adeguatamente rinforzato, in modo da rendere la ventilazione indipendente dalla velocità di rotazione.

A richiesta possono essere forniti motori con sistema di raffreddamento IC 418; in tal caso il motore viene fornito senza ventola ed il raffreddamento è garantito da un flusso d'aria che lambisce il motore stesso. Qualora il flusso d'aria sia sufficientemente elevato è possibile aumentare la potenza erogata dal motore.

Per gli aumenti di potenza consentiti in questa configurazione è necessario interpellare **ELECTRO ADDA**.

Rating plates

All motors in standard execution are supplied with aluminium rating plate or, upon request, with stainless steel rating plate.

All rating plates, made by laser engraving, contain the distinctive data of the electric machine according to the reference standards.

Upon customer's request, special rating plates mentioning particular features can be added. For example: system item, etc...

Cooling

The designation of cooling method is given by the IC (International Cooling) code, according to IEC 60034-6.

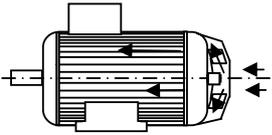
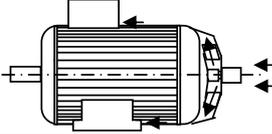
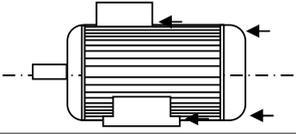
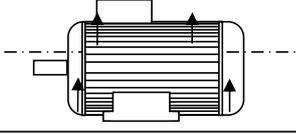
Motors in standard execution are supplied with IC 411 cooling systems, incorporating a bi-directional fan.

All frame sizes can be supplied with cooling system IC 416, on request (see "Motor with forced ventilation" section).

In this case a proper fan is fitted inside the fan cover, suitably reinforced, in order to make the ventilation independent of the rotation speed.

On request motors with IC 418 cooling systems can be supplied; in such case the motor is supplied without fan and the cooling is ensured by a flow of air that flows around the motor itself. If the airflow is high enough it is possible to increase the power delivered by the motor.

*For power increases allowed in this configuration, please ask **ELECTRO ADDA**.*

| Codice IC IC code | Figura - Drawing | Descrizione | Description |
|---|---|--|--|
| IC 411 Std |  | Motore autoventilato. Macchina chiusa, alettata esternamente. Ventola esterna montata sull'albero del motore. | Self ventilating motor. Enclosed machine. Externally finned. External shaft-mounted fan. |
| IC 416 Su richiesta Upon request |  | Motore con ventilazione assistita. Macchina chiusa, alettata esternamente. Ventilatore indipendente montato sotto copriventola. | Motor with assisted ventilation. Enclosed machine. Externally finned. Independent external fan mounted inside the fan cover. |
| IC 418 Su richiesta Upon request |  | Motore con ventilazione esterna. Macchina chiusa, alettata esternamente. Raffreddamento assicurato da un dispositivo non montato sul motore. | Motor with external ventilation. Enclosed machine. Externally finned. Ventilation provided by air flowing from the driven system. |
| IC 410 Su richiesta Upon request |  | Motore senza ventilazione. Macchina chiusa, alettata esternamente. Ventilazione naturale | Motor without ventilation. Enclosed machine. Externally finned. Natural ventilation. |

A richiesta i motori possono essere forniti anche senza ventilazione (IC 410). In quest'ultimo caso le caratteristiche, le potenze e i dati tecnici, saranno forniti a richiesta.

Upon request the motors can be supplied without fan (IC 410). In this case the features, outputs and technical data will be supplied upon request.

Cuscinetti

Tutti i motori serie S utilizzano cuscinetti speciali idonei a sostenere le temperature specificate.

Tutti i motori serie S hanno i cuscinetti a sfere (radiali od obliqui) od a rulli, lubrificati a grasso.

I motori serie SA grandezze 63÷250 hanno i cuscinetti a sfere stagni pre-lubrificati. Il grasso contenuto all'interno è sufficiente per tutta la vita del cuscinetto, pertanto non necessitano di rilubrificazione.

I motori serie SA grandezze 280÷355LT e serie SS grandezze 355L÷500 hanno i cuscinetti a sfere (radiali od obliqui) o a rulli, lubrificati a grasso con ingrassatori su ambo i lati. Per questi cuscinetti è necessario provvedere ad una periodica rilubrificazione secondo i dati indicati nella relativa tabella e sulla targa del motore, e secondo le modalità indicate nel manuale di uso e manutenzione.

I coperchietti esterni sono di forma e dimensioni tali da consentire un elevato accumulo di grasso esausto (10-12 lubrificazioni) e sono dotati di tappo di scarico.

A richiesta i motori, a partire dalla grandezza 160, possono essere forniti con cuscinetto a rulli lato accoppiamento.

Sui motori verticali viene installato superiormente un apposito cuscinetto reggispinta in grado di reggere il peso del motore e di un eventuale giunto di accoppiamento.

A richiesta le macchine possono essere predisposte per il sistema di monitoraggio SPM (Shock Pulse Method) su entrambi i cuscinetti.

A richiesta possono essere installati su entrambi i cuscinetti sensori di temperatura Pt-100 per controllare la loro corretta temperatura.

Tutti i cuscinetti sono previsti per una durata di funzionamento (in base ai dati dei fabbricanti) di almeno 40.000 ore, con accoppiamento diretto.

Posizionamento assiale del rotore

Il rotore può scorrere assialmente a seconda del tipo di cuscinetto installato e dal posizionamento delle molle di precarico. Nella tabella è indicato quale cuscinetto è bloccato e la posizione delle molle di precarico.

Bearings

All motors S series are provided with bearings suitable for specified temperatures.

All S series motors have ball bearings (radial or oblique) or roller bearings, grease lubricated.

CA series motors frame size 63 ÷250 have sealed prelubricated bearings. The grease contained inside is sufficient for the whole bearing life, therefore they do not need to be relubricated.

CA series motors frame size 280÷355LT and SS series motors frame size 355L÷500 have ball bearings (radial or oblique) or roller bearings, grease lubricated, with lubricators on both sides. These bearings need to be periodically relubricated according to the data given in the relevant table and on the motor name plate, and according to the directions given in the operating and maintenance manual.

The shape and dimensions of the bearing outer covers allow a high exhausted grease accumulation (10-12 lubrications) and are provided with drain plug.

Upon request, starting from size 160, motors can be supplied with roller bearing on the drive end.

On vertical motors a proper thrust bearing is fitted on top, able to hold the weight of the motor and of a coupling, if available.

Upon request, machines can be prepared for fitting the SPM monitoring system (Shock Pulse Method) on both bearings.

Upon request, Pt-100 thermal detector can be fitted on both bearings, in order to check the correct bearing temperature.

The lifetime of bearings (in accordance with supplier data) is at least 40.000 hours, for motors with direct coupling.

Axial rotor positioning

The rotor can slide axially depending on the bearing type installed and the position of the preloading springs. The table shows which bearing is secured and the position of the preloading springs.

| Grandezza Frame size | Disposizione orizzontale - Horizontal arrangement | | | Disposizione verticale - Vertical arrangement | |
|---------------------------|---|--|--|---|--|
| | Cuscinetto bloccato Secured bearing | | Posizionamento molle di precarico Preloading springs position | Cuscinetto bloccato Secured bearing | Posizionamento molle di precarico Preloading springs position |
| | Standard | Carichi radiali elevati High radial loads | | | |
| 63÷132 | - | - | LOA - NDE | - | LOA - NDE |
| 160÷200 | - | LOA - NDE | LOA - NDE | - | LOA - NDE |
| 225÷280 | LA - DE | LOA - NDE | - | LA - DE | - |
| 315S | LA - DE | LOA - NDE | - | LA - DE | - |
| 315M (2 poli-poles) | LA - DE | - | - | LOA - NDE | - |
| 315M (4, 6, 8 poli-poles) | - | LOA - NDE | - | LOA - NDE | - |
| 355L | LA - DE | LOA - NDE | - | LOA - NDE | - |
| 355Lx÷560 | LA - DE | LOA - NDE | - | LOA - NDE | - |

Cuscinetti per motori standard

Bearings for standard motors

Serie SA - Carcassa in alluminio

SA Series - Aluminium Frame

Sono usati cuscinetti idonei per funzionamento in emergenza ad alte temperature.

Used bearings are suitable for high temperature operation for limited period.

| Motore tipo - Motor Type | Poli - Poles | Forma costruttiva B3 - Mounting B3 | |
|--------------------------|--------------|------------------------------------|------------------------------|
| | | Cuscinetto LA - DE bearing | Cuscinetto LOA - NDE bearing |
| 63 | 2÷8 | 6202-2Z | 6202-2Z |
| 71 | 2÷8 | 6203-2Z | 6203-2Z |
| 80 | 2÷8 | 6204-2Z | 6204-2Z |
| 90S-L | 2÷8 | 6205-2Z | 6205-2Z |
| 100L | 2÷8 | 6206-2Z | 6206-2Z |
| 112MT-M | 2÷8 | 6206-2Z | 6206-2Z |
| 132S-M | 2÷8 | 6208-2Z | 6208-2Z |
| 160MT | 2÷8 | 6309-2Z | 6308-2Z |
| 160M-L | 2÷8 | 6309-2Z | 6309-2Z |
| 180MT-LT | 2÷8 | 6310-2Z | 6309-2Z |
| 180L | 2÷8 | 6311-2Z | 6311-2Z |
| 200LT | 2÷8 | 6312-2Z | 6311-2Z |
| 200L | 2÷8 | 6312-2Z | 6312-2Z |
| 225MT | 2 | 6313-2Z | 6313-2Z |
| 225ST-MT-M | 4÷8 | 6313-2Z | 6313-2Z |
| 250MT-M | 2÷8 | 6314-2Z | 6314-2Z |
| 280ST-MT | 2 | 6316-C3 | 6314-C3 |
| 280ST-MT | 4÷8 | 6316-C3 | 6314-C3 |
| 315ST | 2 | 6314-C3 | 6314-C3 |
| 315ST | 4÷8 | 6317-C3 | 6314-C3 |
| 315M | 2 | 6314-C3 | 6314-C3 |
| 315M* | 4÷8 | 6317-C3 | 6317-C3 |
| 355LT | 2 | 6317-C3 | 6317-C3 |
| 355LT* | 4÷8 | 6317-C3 | 6320-C3 |

*Le grandezze 315M e 355LT vengono fornite di serie in costruzione carichi radiali elevati

*Sizes 315M and 355LT are supplied as a standard in high radial loads construction

Serie SS - Carcassa in acciaio

SS Series - Steel Frame

| Motore tipo Motor type | Poli Poles | Forma costruttiva B3 - Mounting B3 | | Forma costruttiva V1 - Mounting V1 | | |
|---------------------------|---------------|------------------------------------|-------------------------------|------------------------------------|------------------------------|----------------------------|
| | | Cuscinetto LA DE bearing | Cuscinetto LOA NDE bearing | Cuscinetto LA DE bearing | Cuscinetto LOA - NDE bearing | |
| | | | | | Standard | A richiesta - Upon request |
| 355L | 2 | 6317-C3 | 6317-C3 | 6317-C3 | 6317 | |
| 355L | 4÷8 | 6322-C3 | 6320-C3 | 6322-C3 | 6322-C3 | 6320 |
| 355Lx | 4÷8 | 6324-C3 | 6322-C3 | 6324-C3 | 6320 | |

Cuscinetti per carichi radiali elevati (a richiesta)

Bearings for high radial loads (upon request)

Serie SA - Carcassa in alluminio

SA Series - Aluminium Frame

Serie SS - Carcassa in acciaio

SS Series - Steel Frame

Carichi ammessi sui cuscinetti

La durata di base teorica a fatica dei cuscinetti è calcolata in accordo con quanto previsto dalla norma ISO R 281-1.

La durata è calcolata nell'ipotesi che i motori siano funzionanti in condizioni ambientali normali, senza vibrazioni anomale, senza carichi assiali o radiali oltre quelli indicati nelle tabelle successive e con temperature di funzionamento dei cuscinetti comprese tra -30°C e $+85^{\circ}\text{C}$.

Per temperature esterne a tale campo, riferirsi a **ELECTRO ADDA**.

La durata così calcolata viene definita durata di base (L10h) espressa in ore di funzionamento.

Il 50% dei cuscinetti raggiunge una durata pari a cinque volte la durata di base risultante dal calcolo.

Nelle tabelle seguenti sono indicati i massimi carichi assiali e radiali ammessi per una durata di base (L10h), calcolata secondo quanto previsto dalle norme ISO, pari a 20.000 e 40.000 ore di funzionamento.

Si ricorda che le durate dei cuscinetti sono calcolate su coefficienti di carico dinamico forniti dai costruttori dei cuscinetti.

Tali carichi sono basati sulla durata che si prevede che possa venir raggiunta o superata dal 90% dei cuscinetti di una campionatura sufficientemente grande, costituita da unità apparentemente tutte uguali.

Il 50% dei cuscinetti può raggiungere una durata cinque volte superiore a quella indicata dal calcolo.

Il 10% dei cuscinetti, tuttavia, può non raggiungere la durata di vita calcolata.

Permissible load on the bearings

The theoretical basic fatigue life for bearings is calculated according to the provisions of the ISO R 281-1 Standard.

Life is calculated assuming that motors are running under normal ambient conditions, without abnormal vibrations, without axial or radial loads beyond the ones mentioned in the following tables and with operating temperatures of the bearings ranging between -30°C and $+85^{\circ}\text{C}$.

*Ask **ELECTRO ADDA** in case of temperature outside of this range.*

Life calculated this way is called basic life (L10h) expressed in hours of operation.

50% of bearings reaches a life equal to five times the basic life resulting from the calculation.

Next tables show the maximum permitted axial and radial loads for a basic life (L10h), calculated according to the provisions of the ISO Standards, equal to 20.000 and 40.000 hours of operation.

It should be noted that the bearing life is calculated on dynamic load coefficients supplied by bearings manufacturers.

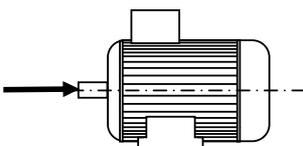
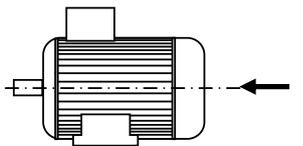
These loads are based on the life that is expected to be reached or exceeded by 90% of bearings of a sufficiently large sampling, consisting of units apparently all the same.

50% of bearings can reach a life five times longer than the one indicated by the calculation.

10% of bearings, however, cannot reach the calculated life.

Carichi assiali ammessi
Forma IM-B3 IM-B35 (50 Hz)

Permissible axial loads
Mounting IM-B3 IM-B35 (50 Hz)

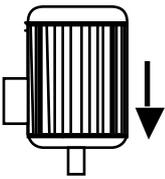
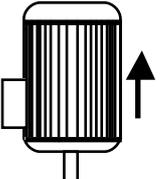
| Grandezza Frame size |  | | | | | | | |  | | | | | | | |
|-------------------------|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | Forza assiale (N) - Axial force (N) | | | | | | | | Forza assiale (N) - Axial force (N) | | | | | | | |
| | 2 Poli - Poles | | 4 Poli - Poles | | 6 Poli - Poles | | 8 Poli - Poles | | 2 Poli - Poles | | 4 Poli - Poles | | 6 Poli - Poles | | 8 Poli - Poles | |
| | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours |
| 63 | 380 | 290 | 510 | 385 | 600 | 440 | 700 | 530 | 235 | 133 | 380 | 250 | 460 | 322 | 560 | 400 |
| 71 | 460 | 340 | 620 | 470 | 720 | 530 | 840 | 630 | 310 | 190 | 390 | 225 | 500 | 310 | 610 | 430 |
| 80 | 620 | 470 | 850 | 635 | 1030 | 760 | 1200 | 900 | 480 | 320 | 680 | 460 | 880 | 620 | 1070 | 760 |
| 90 | 660 | 490 | 890 | 658.6 | 1040 | 769.6 | 1220 | 910 | 530 | 360 | 720 | 480 | 900 | 640 | 1100 | 780 |
| 100 | 930 | 690 | 1200 | 880 | 1430 | 1050 | 1950 | 1460 | 690 | 450 | 880 | 570 | 1200 | 820 | 1470 | 1020 |
| 112 | 900 | 670 | 1170 | 850 | 1400 | 1020 | 1920 | 1440 | 680 | 430 | 830 | 510 | 1150 | 780 | 1400 | 970 |
| 132 | 1450 | 1080 | 1850 | 1340 | 2150 | 1570 | 2540 | 1870 | 1080 | 690 | 1260 | 750 | 1760 | 1170 | 2180 | 1500 |
| 160 | 2430 | 1800 | 3150 | 2331 | 3700 | 2730 | 4400 | 3300 | 2200 | 1580 | 2600 | 1750 | 3500 | 2500 | 4200 | 3100 |
| 180MT | 2800 | 2070 | 3700 | 2700 | - | - | - | - | 2600 | 1870 | 2900 | 1950 | - | - | - | - |
| 180L | - | - | 3700 | 2600 | 3400 | 2470 | 4000 | 2930 | - | - | 3700 | 2600 | 3200 | 2250 | 3800 | 2700 |
| 200LT | 3700 | 2700 | 4100 | 2850 | 5700 | 4200 | 5200 | 3850 | 3700 | 2700 | 4100 | 2850 | 5700 | 4200 | 5200 | 3850 |
| 225MT | 4100 | 3000 | 4500 | 3050 | 6300 | 4600 | 7200 | 5200 | 4100 | 3000 | 4500 | 3050 | 6300 | 4600 | 7200 | 5200 |
| 250MT | 4700 | 3500 | 5000 | 3400 | 7200 | 5300 | 8200 | 6050 | 4700 | 3500 | 5000 | 3400 | 7200 | 5300 | 8200 | 6050 |
| 280ST | 4600 | 3400 | 5500 | 3550 | 6800 | 5000 | 7600 | 5550 | 4600 | 3400 | 5500 | 3550 | 6800 | 5000 | 7600 | 5550 |
| 280MT | 4500 | 3300 | 5000 | 3050 | 6600 | 4850 | 7400 | 5350 | 4500 | 3300 | 5000 | 3050 | 6600 | 4850 | 7400 | 5350 |
| 315ST | 4400 | 3200 | 5000 | 2950 | 6200 | 4500 | 7000 | 5060 | 4400 | 3200 | 5000 | 2950 | 6200 | 4500 | 7000 | 5060 |
| 315Ma | 4300 | 3150 | 4100 | 2000 | 6100 | 3650 | 10000 | 7250 | 4300 | 3150 | 4100 | 2000 | 6100 | 3650 | 10000 | 7250 |
| 315Mb | 4200 | 3050 | 3200 | NP | 6200 | 3800 | 9700 | 7050 | 4200 | 3050 | 3200 | NP | 6200 | 3800 | 9700 | 7050 |
| 315Mc | 4100 | 2900 | 1900 | NP | 5100 | 2800 | 9400 | 6800 | 4100 | 2900 | 1900 | NP | 5100 | 2800 | 9400 | 6800 |
| 315Md | - | - | - | - | 4300 | 2000 | 9200 | 6500 | - | - | - | - | 4300 | 2000 | 9200 | 6500 |
| 355LT | - | - | - | - | 4300 | 2000 | 9200 | 6500 | - | - | - | - | 4300 | 2000 | 9200 | 6500 |
| 355L | 5100 | 3600 | - | - | - | - | - | - | 5100 | 3600 | - | - | - | - | - | - |
| 355L-a | 5000 | 3500 | 5100 | 2000 | 6500 | - | 12800 | 9200 | 5000 | 3500 | 5100 | 3600 | 6500 | 3000 | 12800 | 9200 |
| 355L-b | 4800 | 3300 | 4800 | 1500 | 4800 | - | 12300 | 8700 | 4800 | 3300 | 5000 | 3500 | 4800 | NP | 12300 | 8700 |
| 355L-c | 4500 | 3050 | 3800 | - | 3600 | - | 11700 | 8200 | 4500 | 3050 | 4800 | 3300 | 3600 | NP | 11700 | 8200 |
| 355Lx-a | 4600 | 3100 | 3500 | - | 2000 | - | 11000 | 7400 | 4600 | 3100 | 4500 | 3050 | 1700 | NP | 11000 | 7400 |
| 355Lx-b | 4300 | 2850 | - | - | 1000 | - | 10300 | 6800 | 4300 | 2850 | 4600 | 3100 | - | - | 10300 | 6800 |
| 355Lx-c | 4050 | 2650 | - | - | - | - | - | - | 4050 | 2650 | 4300 | 2850 | - | - | - | - |

Per forme costruttive diverse o per carichi combinati (assiali e radiali) consultare **ELECTRO ADDA S.p.A.**

⋮ Please ask **ELECTRO ADDA S.p.A.** for other mounting arrangements
 ⋮ or simultaneous radial and axial forces.

Carichi assiali ammessi
Forma IM-V1 (50 Hz)

Permissible axial loads
Mounting IM-V1 (50 Hz)

| Grandezza Frame size |  | | | | Forza assiale (N) verso il basso Axial force (N) in downwards direction | | | |  | | | | Forza assiale (in N) verso l'alto Axial force (N) in upwards direction | | | |
|-------------------------|---|------------------------|------------------------|------------------------|--|------------------------|------------------------|------------------------|--|------------------------|------------------------|------------------------|---|------------------------|------------------------|------------------------|
| | 2 Poli - Poles | | 4 Poli - Poles | | 6 Poli - Poles | | 8 Poli - Poles | | 2 Poli - Poles | | 4 Poli - Poles | | 6 Poli - Poles | | 8 Poli - Poles | |
| | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours | 20.000 ore hours | 40.000 ore hours |
| 63 | 225 | 125 | 390 | 250 | 460 | 300 | 550 | 370 | 400 | 300 | 540 | 405 | 610 | 460 | 610 | 460 |
| 71 | 300 | 180 | 400 | 230 | 470 | 290 | 560 | 360 | 480 | 360 | 650 | 490 | 750 | 570 | 750 | 570 |
| 80 | 450 | 290 | 690 | 460 | 860 | 590 | 1050 | 740 | 670 | 510 | 900 | 680 | 1060 | 810 | 1060 | 810 |
| 90 | 500 | 320 | 730 | 490 | 870 | 590 | 1060 | 740 | 720 | 550 | 970 | 730 | 1150 | 863 | 1150 | 850 |
| 100 | 650 | 380 | 900 | 590 | 1100 | 740 | 1400 | 900 | 1000 | 760 | 1300 | 1000 | 1550 | 1200 | 1600 | 1200 |
| 112 | 620 | 380 | 860 | 540 | 1050 | 700 | 1500 | 1100 | 1000 | 770 | 1300 | 1000 | 1550 | 1200 | 1600 | 1200 |
| 132 | 980 | 600 | 1320 | 800 | 1700 | 1000 | 2000 | 1350 | 1600 | 1250 | 2100 | 1600 | 2500 | 1900 | 2600 | 1780 |
| 160 | 2000 | 1400 | 2650 | 1840 | 3200 | 2200 | 4000 | 2900 | 2750 | 2100 | 3600 | 2800 | 4300 | 3300 | 4400 | 3400 |
| 180MT | 2300 | 1600 | 2300 | 2050 | - | - | - | - | 2700 | 2100 | 3700 | 2750 | - | - | - | - |
| 180L | - | - | 3800 | 2700 | 3600 | 2500 | 4400 | 3100 | - | - | 4800 | 3700 | 4250 | 3150 | 4600 | 3500 |
| 200 | 3200 | 2250 | 4300 | 3000 | 5100 | 3450 | 5800 | 4650 | 3850 | 2900 | - | - | 6700 | 5200 | 6300 | 5000 |
| 225 | 3600 | 2500 | 4700 | 3250 | 5500 | 3800 | 6400 | 4400 | 5000 | 3850 | 6500 | 5000 | 7700 | 6000 | 8300 | 6650 |
| 250 | 4100 | 2850 | 5100 | 3500 | 6200 | 4100 | 7200 | 5050 | 5600 | 4300 | 7400 | 5700 | 8800 | 6800 | 9800 | 7600 |
| 280ST | 3700 | 2200 | 5800 | 3950 | 7200 | 5000 | 8000 | 5600 | 5900 | 4700 | 9200 | 7300 | 10800 | 8500 | 9800 | 9100 |
| 280MT | 3400 | 2150 | 5400 | 3500 | 6700 | 4400 | 7700 | 5100 | 6100 | 4900 | 9400 | 7400 | 11200 | 8900 | 10000 | 9400 |
| 315ST | 3000 | 1800 | - | - | 6500 | 4300 | 7900 | 5200 | 6300 | 5100 | - | - | 12200 | 9800 | 10000 | 10100 |
| 315Ma | 2800 | 1550 | 5400 | 3550 | 6600 | 4350 | 8000 | 5400 | 6600 | 5300 | 10300 | 8300 | 12000 | 9500 | 12700 | 10000 |
| 315Mb | 2400 | 1200 | 4900 | 2850 | 6200 | 3800 | 7600 | 5000 | 6800 | 5600 | 10800 | 8700 | 12000 | 9800 | 13000 | 10200 |
| 315Mc | 2000 | 800 | 4300 | 2300 | 5000 | 2800 | 6800 | 4200 | 7000 | 5800 | 11300 | 9300 | 12800 | 10400 | 13500 | 10800 |
| 315Md | - | - | 3300 | 1350 | 4200 | 1900 | 6200 | 3500 | - | - | 11800 | 9700 | 13500 | 11000 | 13600 | 11000 |
| 355LT | - | - | 3300 | 1350 | 4200 | 1900 | 6200 | 3500 | - | - | 11800 | 9700 | 13500 | 11000 | 13600 | 11000 |
| 355L | 12200 | 8800 | - | - | 7800 | 4600 | - | - | - | - | - | - | 17600 | 14300 | - | - |
| 355L-a | 11800 | 8300 | 6200 | 3500 | 6500 | 3300 | 9000 | 5300 | - | - | 15000 | 12000 | 18500 | 15000 | 18700 | 15100 |
| 355L-b | 11000 | 7500 | 6100 | 3300 | 5800 | 2600 | 7500 | 4000 | - | - | 14900 | 12300 | 19000 | 15600 | 19400 | 15800 |
| 355L-c | 10000 | 6500 | 5300 | 2600 | 5000 | 1600 | 6000 | 2500 | - | - | 15500 | 12600 | 19800 | 16300 | 20300 | 16500 |
| 355Lx-a | 10000 | 6700 | 21500 | 16000 | 22000 | 15000 | 22000 | 14400 | - | - | - | - | - | - | - | - |
| 355Lx-b | 9000 | 5600 | 20500 | 14500 | 20500 | 13800 | 19500 | 12000 | - | - | - | - | - | - | - | - |
| 355Lx-c | 8000 | 4700 | 19000 | 13300 | - | - | - | - | - | - | - | - | - | - | - | - |
| 355Lx-d | - | - | 17500 | 11400 | - | - | - | - | - | - | - | - | - | - | - | - |

Per forme costruttive diverse o per carichi combinati (assiali e radiali) consultare **ELECTRO ADDA S.p.A.**

⋮ Please ask **ELECTRO ADDA S.p.A.** for other mounting arrangements
⋮ or simultaneous radial and axial forces.

Carichi radiali ammessi Forma IM-B3 IM-B35 (50 Hz)

I valori dei carichi radiali sono dati sia per carichi applicati all'estremità dell'albero (X_{max}) che in corrispondenza della battuta sul mozzo dell'albero (X_0).

I carichi radiali applicabili variano linearmente con il variare del punto di applicazione, pertanto per carichi posti ad una distanza X dalla battuta dell'albero (X_0), il carico massimo applicabile è dato dalla seguente espressione:

$$Fra_x = \frac{C_{x_0} - C_{x_{max}}}{X_{max}} \times X + C_{x_{max}}$$

Dove:

- Fra** = carico radiale ammesso nel punto X
- C_{x_0}** = carico radiale ammesso nel punto X_0
- $C_{x_{max}}$** = carico radiale ammesso nel punto X_{max}
- X_{max}** = sporgenza d'albero
- X** = distanza dal punto di applicazione del carico radiale alla battuta dell'albero

Per verificare che il tiro di cinghia non superi i valori massimi ammessi, si può utilizzare la seguente formula:

$$F = \frac{19100 \times P \times K}{n \times D}$$

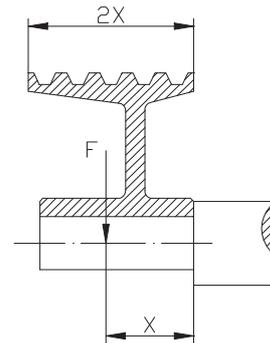
Dove:

- F** = Forza radiale in N
- P** = Potenza trasmessa in kW
- n** = Velocità in giri/min
- D** = Diametro della puleggia in metri
- K = 2** per pulegge con tenditore
- K = 2.25** per pulegge con profilo a "V"
- K = 2.5÷3** per cinghie piane senza tenditore, o per servizi pesanti con tutti i tipi di puleggia

Permissible radial loads Mounting IM-B3 IM-B35 (50 Hz)

Values of the radial loads are given both for loads applied to the shaft extension (X_{max}) and in correspondence of the face on the shaft hub (X_0).

Radial loads that can be applied linearly, change with the change of the application point, therefore for loads placed at a distance X from the shaft face (X_0), the maximum load that can be applied is given by the following expression:



Where:

- Fra** = permitted radial load at point X
- C_{x_0}** = permitted radial load at point X_0
- $C_{x_{max}}$** = permitted radial load at point X_{max}
- X_{max}** = shaft extension
- X** = distance from the application point of the radial load to the shaft face

To verify that the belt pull does not exceed the maximum value allowed the following formula can be used:

Where:

- F** = Newton radial force
- P** = Power transmitted in kW
- n** = Number of revs. per minute
- D** = Pulley diameter in metres
- K = 2** for flat pulley with tension roller
- K = 2.25** for sheaves with "V" belt
- K = 2.5÷3** for flat belts without tension roller, or for heavy duty with any type of pulley

Carichi radiali ammessi
Forma IM-B3 (50 Hz)

Permissible radial loads
Mounting IM-B3 (50 Hz)

| Grandezza Frame size | 2 Poli - Poles | | 4 Poli - Poles | | 6 Poli - Poles | | 8 Poli - Poles | | 2 Poli - Poles | | 4 Poli - Poles | | 6 Poli - Poles | | 8 Poli - Poles | |
|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | 20.000 ore hours | 40.000 ore hours |
| | X_0 | X_{max} |
| 63 | 450 | 390 | 350 | 300 | 570 | 490 | 450 | 390 | 630 | 540 | 500 | 430 | 770 | 660 | 600 | 520 |
| 71 | 530 | 450 | 420 | 350 | 690 | 580 | 540 | 460 | 750 | 630 | 590 | 490 | 900 | 770 | 720 | 610 |
| 80 | 720 | 590 | 560 | 460 | 920 | 750 | 720 | 580 | 1080 | 880 | 840 | 690 | 1300 | 1040 | 1000 | 820 |
| 90 | 800 | 640 | 610 | 500 | 1000 | 810 | 770 | 630 | 1130 | 920 | 870 | 700 | 1300 | 1050 | 1020 | 830 |
| 100 | 1100 | 900 | 870 | 700 | 1350 | 1080 | 1050 | 830 | 1570 | 1260 | 1220 | 1000 | 1900 | 1550 | 1500 | 1200 |
| 112 | 1100 | 870 | 840 | 680 | 1300 | 1050 | 1000 | 800 | 1500 | 1200 | 1150 | 930 | 1900 | 1550 | 1500 | 1200 |
| 132 | 1800 | 1400 | 1400 | 1100 | 2100 | 1690 | 1600 | 1300 | 2300 | 1900 | 1800 | 1430 | 2800 | 2250 | 2150 | 1700 |
| 160 | 3000 | 2350 | 2300 | 1800 | 3700 | 2800 | 2850 | 2200 | 4200 | 3300 | 3200 | 2500 | 4800 | 3700 | 3700 | 2900 |
| 180MT-LT | 3500 | 2800 | 2700 | 2220 | 4300 | 3400 | 3350 | 2700 | 4800 | 3800 | 3600 | 2900 | 5500 | 4400 | 4300 | 3400 |
| 180L-LT | 4000 | 3400 | 3100 | 2700 | 5000 | 4000 | 3900 | 3200 | 5600 | 4200 | 4200 | 3200 | 6000 | 4500 | 4700 | 3500 |
| 200 | 4600 | 3840 | 3600 | 2900 | 6400 | 5100 | 4400 | 3600 | 6600 | 5500 | 5100 | 4200 | 7300 | 6000 | 5600 | 4600 |
| 225 | 5200 | 4300 | 4000 | 3400 | 6400 | 5100 | 5000 | 4000 | 7400 | 6000 | 5600 | 4500 | 8200 | 6600 | 6300 | 5000 |
| 250 | 5900 | 4851 | 4600 | 3700 | 7100 | 5800 | 5400 | 4400 | 8200 | 6700 | 6300 | 5100 | 9200 | 7600 | 7100 | 5800 |
| 280 | 5800 | 4874 | 4400 | 3700 | 8300 | 7000 | 6300 | 5300 | 9900 | 8400 | 7600 | 6400 | 10700 | 9000 | 8100 | 6800 |
| 315ST | 5400 | 4573 | 4100 | 3400 | 8000 | 6700 | 6100 | 5000 | 9400 | 8000 | 7100 | 6000 | 10000 | 8400 | 7500 | 6300 |
| 355L | 6400 | 5700 | 4600 | 4100 | 13000 | 11000 | 9900 | 8300 | 15200 | 13000 | 11200 | 9500 | 14000 | 12000 | 10000 | 8500 |
| 355Lx | - | - | - | - | 12500 | 10500 | 9000 | 7700 | 14900 | 12800 | 11000 | 9500 | 15500 | 13300 | 11300 | 9700 |

Per forme costruttive diverse o per carichi combinati (assiali e radiali) consultare **ELECTRO ADDA S.p.A.** : Please ask **ELECTRO ADDA S.p.A.** for other mounting arrangements
: or simultaneous radial and axial forces.

Intervalli di lubrificazione

Lubrication intervals

Nella tabella sono riportati gli intervalli di lubrificazione (espressi in ore) e le quantità di grasso per la lubrificazione dei cuscinetti.

Si consiglia di utilizzare il grasso SKF LGHP2 o corrispondenti.

Il grasso di lubrificazione, normalmente utilizzato per i cuscinetti è idoneo per il funzionamento a temperature comprese tra -40°C e +150°C.

In the following table the lubrication intervals (expressed in hours) and the grease quantity to lubricate bearings are showed.

Recommended grease types are SKF LGHP2 or corresponding types.

Lubrication grease normally used to lubricate bearings, is suitable for operating temperatures between -40°C and +150°C.

| Tipo cuscinetto Bearing type | Dimensioni Dimension | 50 Hz | | | | 60 Hz | | | | Quantità di grasso Grease quantity |
|---------------------------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------------------|
| | | 2 Poli - Poles | 4 Poli - Poles | 6 Poli - Poles | 8 Poli - Poles | 2 Poli - Poles | 4 Poli - Poles | 6 Poli - Poles | 8 Poli - Poles | |
| | | h | h | h | h | h | h | h | h | |
| 6309-C3 | 45-100-25 | 3500 | 6400 | 8100 | 9300 | 2800 | 5600 | 7300 | 8500 | 13 |
| 6310-C3 | 50-110-27 | 3300 | 6200 | 7900 | 9100 | 2600 | 5500 | 7200 | 8400 | 13 |
| 6311-C3 | 55-120-29 | 3000 | 6000 | 7700 | 8900 | 2200 | 5200 | 6900 | 8100 | 17 |
| 6312-C3 | 60-130-31 | 2600 | 5600 | 7300 | 8600 | 1800 | 4800 | 6500 | 7800 | 20 |
| 6313-C3 | 65-140-33 | 2400 | 5400 | 7200 | 8500 | 1600 | 4600 | 6400 | 7700 | 23 |
| 6314-C3 | 70-150-35 | 2200 | 5300 | 7100 | 8300 | 1400 | 4500 | 6300 | 7500 | 26 |
| 6316-C3 | 80-170-39 | 2000 | 5100 | 6900 | 8200 | 1200 | 4300 | 6100 | 7400 | 33 |
| 6317-C3 | 85-180-41 | 1900 | 5000 | 6800 | 8100 | 1000 | 4200 | 6000 | 7300 | 37 |
| 6320-C3 | 100-215-47 | - | 4800 | 6700 | 8000 | - | 4000 | 5900 | 7200 | 51 |
| 6322-C3 | 110-240-50 | - | 4800 | 6700 | 8000 | - | 4000 | 5800 | 7200 | 60 |
| 6324-C3 | 120-260-55 | - | 3900 | 5800 | 7200 | - | 3000 | 5000 | 6300 | 72 |
| 6328-C3 | 140-300-62 | - | 3900 | 5800 | 7200 | - | 3000 | 5000 | 6300 | 93 |
| NU309 | 45-100-25 | 1600 | 3000 | 4000 | 4500 | 1200 | 2700 | 3600 | 4500 | 13 |
| NU310 | 50-110-27 | 1500 | 2900 | 3800 | 4400 | 1100 | 2500 | 3400 | 4000 | 13 |
| NU311 | 55-120-29 | 1400 | 2900 | 3700 | 4400 | 1000 | 2500 | 3400 | 4000 | 17 |
| NU312 | 60-130-31 | 1300 | 2800 | 3600 | 4300 | 900 | 2400 | 3200 | 3900 | 20 |
| NU313 | 65-140-33 | 1200 | 2700 | 3600 | 4200 | 800 | 2300 | 3200 | 3800 | 23 |
| NU314 | 70-150-35 | 1100 | 2600 | 3500 | 4100 | 700 | 2200 | 3100 | 3700 | 26 |
| NU316 | 80-170-39 | 1000 | 2500 | 3400 | 4100 | 600 | 2100 | 3000 | 3700 | 33 |
| NU317 | 85-180-41 | 900 | 2500 | 3400 | 4000 | 500 | 2100 | 3000 | 3600 | 37 |
| NU320 | 100-215-47 | - | 2400 | 3300 | 4000 | - | 2000 | 2900 | 3600 | 51 |
| NU322 | 110-240-50 | - | 2300 | 3200 | 3900 | - | 1900 | 2800 | 3500 | 60 |
| NU324 | 120-260-55 | - | 2200 | 3100 | 3800 | - | 1800 | 2700 | 3400 | 72 |
| NU328 | 140-300-62 | - | 2000 | 3000 | 3600 | - | 1600 | 2500 | 3200 | 93 |
| 7317 | 85-180-41 | - | 4800 | 6700 | 8000 | - | 4000 | 5900 | 7200 | 37 |
| 7320 | 100-215-47 | - | 3900 | 5800 | 7200 | - | 3000 | 5000 | 6300 | 51 |
| 7322 | 110-240-50 | - | 3900 | 5800 | 7200 | - | 3000 | 5000 | 6300 | 60 |
| 7324 | 120-260-55 | - | 3900 | 5800 | 7200 | - | 3000 | 4900 | 6300 | 72 |

Gli intervalli di lubrificazione sono riferiti ad una temperatura media del cuscinetto di circa 80°C, nel caso di funzionamento a temperature inferiori tali intervalli possono essere aumentati. Per i motori con asse verticale, gli intervalli di lubrificazione devono essere dimezzati.

Lubrication intervals are referred to a average bearing temperature of approx. 80°C, in case of operation at lower temperatures, these intervals can be increased. For motors with vertical axis, lubrication intervals must be halved.

Funzionamento multitemensione e 60 Hz

I motori serie S possono funzionare con frequenza a 60 Hz con differenze di prestazione e grandezze elettriche che si ottengono applicando i coefficienti moltiplicativi indicati nella tabella seguente.

Operation at different voltages and 60 Hz

S series motors can run with a frequency of 60 Hz with differences in performances and electrical data, that can be obtained by applying the multiplicative coefficients shown in the following table.

| Tensione di targa Nominal voltage | Tensione di targa Nominal voltage | Potenza nom. Nominal power | Corrente nom. Nominal current | Coppia nom. Nominal torque | Giri/min rpm | Corrente di spunto Starting current | Coppia di spunto Starting torque | Coppia max Max torque |
|---|---|--|--|----------------------------------|-----------------|--|---|--------------------------|
| 50 Hz | 60 Hz | | | | | | | |
| 230+/-10% | 220+/-5% | 1 | 1 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 230+/-10% | 230+/-10% | 1 | 0.95 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 230+/-10% | 254+/-5% | 1.15 | 1.02 | 0.96 | 1.2 | 0.93 | 0.93 | 0.93 |
| 230+/-10% | 277+/-5% | 1.2 | 1 | 1 | 1.2 | 1 | 1 | 1 |
| 400+/-10% | 380+/-5% | 1 | 1 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 400+/-10% | 400+/-10% | 1 | 0.95 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 400+/-10% | 440+/-5% | 1.15 | 1.02 | 0.96 | 1.2 | 0.93 | 0.93 | 0.93 |
| 400+/-10% | 460+/-10% | 1.15 | 1 | 0.96 | 1.2 | 0.96 | 0.96 | 0.96 |
| 400+/-10% | 480+/-5% | 1.2 | 1 | 1 | 1.2 | 1 | 1 | 1 |
| 690 V | | Contattare Electro Adda - Contact Electro Adda | | | | | | |

Scatola morsetti e morsettiera

La morsettiera dei motori grandezza 63-355 è normalmente a sei morsetti.

Nel caso di motori con collegamento a triangolo è pertanto possibile realizzare (se consentito dalle caratteristiche della macchina comandata) l'avviamento stella-triangolo.

La scatola morsettiera ha il grado di protezione IP 55 o IP 56, purché il collegamento dei cavi di alimentazione sia realizzato in modo adeguato.

La scatola morsettiera è posta sulla parte superiore del motore e l'uscita cavi può essere realizzata su ogni lato della scatola (da precisare in sede d'ordine).

A richiesta, se è prevista l'uscita dei cavi verso il basso, è possibile fornire un opportuno condotto sagomato per facilitare l'ingresso dei cavi.

A richiesta, è anche possibile posizionare la scatola morsetti a destra o a sinistra del motore guardando dal lato albero.

Terminal box and block

The terminal block for motors frame size 63-355 is normally provided with six terminals.

Therefore, in case of motors with delta connection, it is possible to perform the start-delta starting (if this is allowed by the features of the driven machine).

Terminal box has IP 55 or IP 56 protection degree, provided that the supply cable connections are properly made.

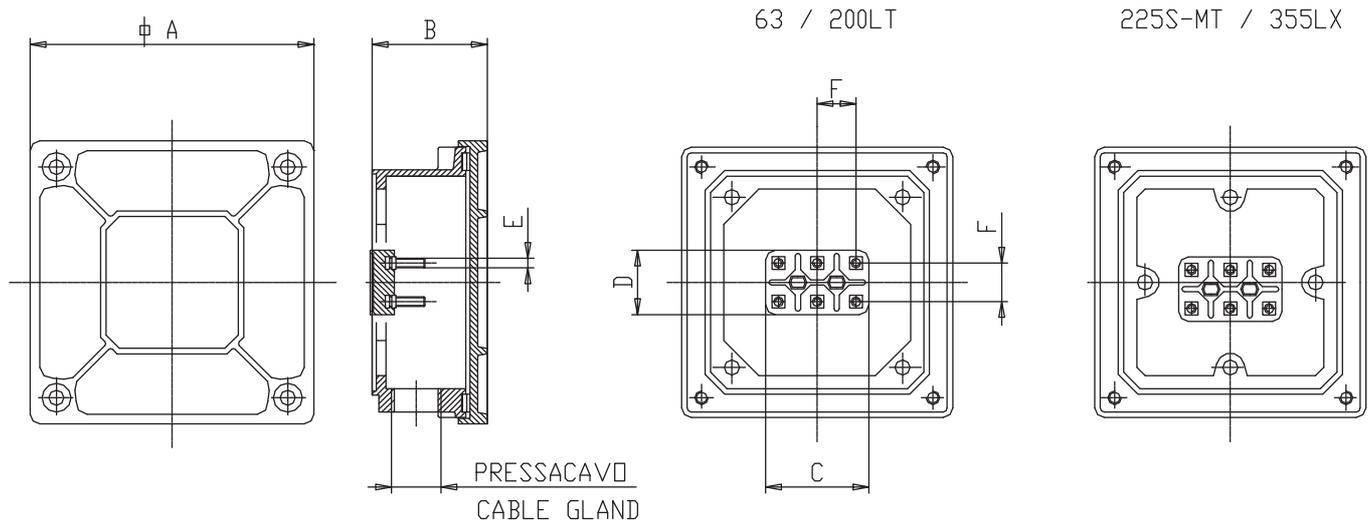
Terminal box is positioned on the top of the motors and cable exit can be made in each side of the box (to be specified when placing the order).

Upon request, if the cable exit is provided downwards, it is possible to supply a proper shaped conduit to make the cable entry easy.

Upon request the terminal box can also be positioned on the right or on the left of the motor seen from the shaft.

Dimensioni scatola in alluminio e morsettiere

Sizes of aluminium terminal box and block



| Motore tipo Motor type | A | B | C | D | E | F | Pressacavo Cable Gland |
|---------------------------|-------|-----|-----|-----|-----|----|---------------------------|
| 63 | 100,5 | 41 | 40 | 25 | M4 | 15 | M16x1.5 |
| 71 | 103 | 42 | 50 | 32 | M4 | 18 | M20x1.5 |
| 80 | | | | | | | |
| 90S-L | 112 | 47 | 50 | 32 | M4 | 18 | M20x1.5 |
| 100 | 126 | 49 | 56 | 36 | M5 | 20 | M25x1.5 |
| 112MT-M | 126 | 49 | 56 | 36 | M5 | 20 | M25x1.5 |
| 132S-M | 152 | 66 | 70 | 45 | M6 | 25 | M25x1.5 |
| 160MT | 170 | 82 | 70 | 45 | M6 | 25 | M32x1.5 |
| 160M-L | 188 | 86 | 82 | 52 | M8 | 30 | M40x1.5 |
| 180MT-LT | | | | | | | |
| 180L | | | | | | | |
| 200LT | 188 | 86 | 95 | 60 | M8 | 35 | M40x1.5 |
| 200L | 225 | 103 | 95 | 60 | M10 | 35 | M50x1.5 |
| 225ST-MT | | | | | | | |
| 250MT | 225 | 103 | 115 | 70 | M10 | 45 | M50x1.5 |
| 280ST-MT | 276 | 120 | 125 | 80 | M12 | 45 | M50x1.5 |
| 315ST | | | | | | | M63x1.5 |
| 315 M | 375 | 145 | 145 | 90 | M14 | 54 | N.2 M63x1.5 |
| 355LT | 375 | 145 | 165 | 100 | M16 | 65 | N.2 M63x1.5 |
| 355L | 430 | 165 | 165 | 100 | M16 | 65 | N.2 M63x1.5 |
| 355Lx | 430 | 165 | 165 | 100 | M20 | 65 | N.2 M63x1.5 |

Disponibile esecuzione a cavi uscenti.
Morsettiere speciali per alte temperature.

- ⋮ Loose cable configuration available.
- ⋮ Special terminal board suitable for high temperatures.

Gabbia di rotore

Tutti i motori serie S con altezza d'asse 63-355 hanno normalmente il rotore realizzato in alluminio pressofuso.

Isolamento, avvolgimento

I motori serie S in esecuzione standard (IE1) sono realizzati in classe d'isolamento H; i motori serie S in esecuzione ad alta efficienza (IE2 su richiesta, 3 o 4) sono realizzati in classe d'isolamento H con sovratemperatura di classe B.

Il conduttore in filo di rame elettrolitico ricotto è isolato con materiale speciale, classificato in classe di isolamento H.

Tutti i materiali isolanti utilizzati per la realizzazione dei motori sono corrispondenti alla classe d'isolamento H o superiore.

L'avvolgimento subisce un rigoroso trattamento consistente in un'impregnazione ad immersione con resine di classe H polimerizzanti a caldo.

A richiesta è possibile realizzare una tropicalizzazione comprendente a sua volta una spruzzatura di smalto antisalino e copertura finale, a spruzzo, con elevate caratteristiche di resistenza al calore, all'umidità, agli agenti chimici e all'azione corrosiva dell'ambiente marino.

Potenza e dati tecnici

Le potenze ed i dati indicati nelle Tabelle "Dati Tecnici" sono riferiti al servizio continuo (S1), alla temperatura ambiente di 40°C, altitudine massima di 1.000 metri s.l.m., con tensione di alimentazione 400 V e frequenza 50 Hz. Le caratteristiche di funzionamento sono garantite con le tolleranze stabilite dalle norme CEI EN 60034-1 e le raccomandazioni IEC 60034-1, indicate nella tabella.

Rotor cage

All motors S series with frame size 63-355 have the rotor cage in die-cast aluminium.

Insulation, winding

S series motors in standard execution (IE1) are made in insulation class H; S series motors in high efficiency execution (IE2 on request, 3 or 4) are made in insulation class H with temperature rise in class B.

The soft copper electrolytic wire is insulated by using a special insulation, classified as H insulation class.

All insulating materials used to produce motors are in insulation class or heither.

The winding undergoes a severe treatment as follows: it is impregnated by soaking it in oven-curing H class resins.

Upon request it is possible to make a tropicalization following a process including a spraying of anti-salty enamel and, finally, it is coated using a spray with heat-proof, humidity-proof, chemical agent and sea-ambient corrosive action resistant characteristics.

Ratings and technical data

Power and data mentioned in the Technical Data Tables are for continuous duty (S1) at an ambient temperature of 40°C, max. altitude 1.000 a.s.l., with supply at 400 V - 50 Hz.

The operating characteristics are guaranteed with the tolerances defined by the CEI EN 60034-1 Standards and the IEC 60034-1 Recommendations, mentioned in table.

| Caratteristiche - Characteristics | Tolleranza - Tolerances |
|--|---|
| Rendimento <i>Efficiency</i> | Macchine di potenza ≤ 150 kW: -15% di $(1 - \eta)$ Macchine di potenza > 150 kW: -10% di $(1 - \eta)$ <i>Motor power ≤ 150 kW: -15% of $(1 - \eta)$</i> <i>Motor power > 150 kW: -10% of $(1 - \eta)$</i> |
| Fattore di potenza <i>Power factor</i> | +1/6 $(1 - \cos\phi)$ Minimo 0.02 Max 0.07 <i>+1/6 $(1 - \cos\phi)$ Min 0.02 Max 0.07</i> |
| Corrente di spunto <i>Locked rotor current</i> | +20% del valore garantito <i>+20% of guaranteed value</i> |
| Coppia di spunto <i>Locked rotor torque</i> | -15%+25% del valore garantito <i>-15%+25% of guaranteed value</i> |
| Coppia massima <i>Pull out torque</i> | -10% del valore garantito <i>-10% of guaranteed value</i> |
| Scorrimento <i>Slip</i> | Macchine di potenza < 1 kW: $\pm 30\%$ del valore garantito Macchine di potenza ≥ 1 kW: $\pm 20\%$ del valore garantito <i>Power motor < 1 kW: $\pm 30\%$ of guaranteed value</i> <i>Power motor ≥ 1 kW: $\pm 20\%$ of guaranteed value</i> |

Tensione di alimentazione - Collegamenti

I motori serie S grandezza 63÷280 possono essere realizzati per alimentazione a tensioni nominali comprese tra 220 V e 690 V a 50 Hz e a 60 Hz; i motori serie S grandezza 315÷355L possono essere realizzati per tensioni comprese tra 400 V e 690 V. Normalmente sono previsti per essere utilizzati per alimentazione a 230/400 V e 400/690 V o 690 V a 50 Hz.

In queste condizioni di alimentazione i rendimenti sono conformi ai requisiti indicati dalla Norma IEC 60034-30-1.

La tensione più bassa è realizzata con collegamento a triangolo mentre la tensione maggiore è ottenuta con collegamento a stella.

Ovviamente l'avviamento a stella-triangolo è possibile unicamente su una rete corrispondente alla tensione ottenibile con il collegamento a triangolo.

Oscillazioni di tensione e frequenza

I motori possono funzionare senza subire danni, se la tensione di alimentazione varia entro i limiti stabiliti dalle Norme di riferimento.

In particolare i motori possono funzionare con variazione di tensione del 10% e di frequenza del 5% con una variazione combinata massima del 10% con sovratemperatura conforme a quanto previsto dalle norme di riferimento.

Funzionamento multitemperatura e 60 Hz

I motori serie S possono funzionare con frequenza a 60 Hz con differenze di prestazione e grandezze elettriche che si ottengono applicando i coefficienti moltiplicativi indicati nella tabella seguente.

| Tensione di targa Nominal voltage | Tensione di targa Nominal voltage | Potenza nom. Nominal power | Corrente nom. Nominal current | Coppia nom. Nominal torque | Giri/min rpm | Corrente di spunto Starting current | Coppia di spunto Starting torque | Coppia max Max torque |
|---|---|--|--|----------------------------------|-----------------|--|---|-----------------------------|
| 50 Hz | 60 Hz | | | | | | | |
| 230+/-10% | 220+/-5% | 1 | 1 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 230+/-10% | 230+/-10% | 1 | 0.95 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 230+/-10% | 254+/-5% | 1.15 | 1.02 | 0.96 | 1.2 | 0.93 | 0.93 | 0.93 |
| 230+/-10% | 277+/-5% | 1.2 | 1 | 1 | 1.2 | 1 | 1 | 1 |
| 400+/-10% | 380+/-5% | 1 | 1 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 400+/-10% | 400+/-10% | 1 | 0.95 | 0.83 | 1.2 | 0.83 | 0.83 | 0.83 |
| 400+/-10% | 440+/-5% | 1.15 | 1.02 | 0.96 | 1.2 | 0.93 | 0.93 | 0.93 |
| 400+/-10% | 460+/-10% | 1.15 | 1 | 0.96 | 1.2 | 0.96 | 0.96 | 0.96 |
| 400+/-10% | 480+/-5% | 1.2 | 1 | 1 | 1.2 | 1 | 1 | 1 |
| 690 V | | Contattare Electro Adda - Contact Electro Adda | | | | | | |

Supply voltage - Connections

S series motors frame size 63÷280 can be manufactured for supply at rated voltages included between 220 V and 690 V at 50 Hz and at 60 Hz; S series motors frame size 315÷355L can be manufactured for voltages included between 400 V and 690 V. They are normally designed to be used for supply at 230/400 V and 400/690 V or 690 V at 50 Hz.

In these supply conditions efficiencies are in compliance with the requirements of the IEC 60034-30-1 Standard.

The lower voltage is made with delta connection while the higher voltage is obtained with star connection.

Obviously the star delta starting is only possible on a mains corresponding to the voltage that can be obtained with the delta connection.

Voltage and frequency variations

Motors can work without failures if the supply voltage variations are limited as stated in the reference Standards.

In particular, motors can run with voltage variations of 10% and frequency variations of 5% with a maximum combined variation of 10% with temperature rise in compliance with the provisions of the reference Standards.

Operation at different voltages and 60 Hz

S series motors can run with a frequency of 60 Hz with differences in performances and electrical data, that can be obtained by applying the multiplicative coefficients shown in the following table.

Declassamenti

Le tabelle dei dati tecnici sono riferite alla temperatura ambiente max 40°C ed altitudine fino a 1.000 metri s.l.m.

Per condizioni ambientali diverse, le potenze variano e si ottengono applicando i fattori correttivi indicati nella tabella, mantenendo le sovratemperature previste per la classe d'isolamento.

Deratings

The tables of technical data are referred to an ambient temperature of 40°C and an altitude up to 1.000 m.a.s.l.

In different environmental conditions output ratings vary, and are obtainable by applying the factors as mentioned in table, maintaining the temperature rise provided for by the insulation class.

| Altitudine m.s.l.m. Altitude m.a.s.l. | Temperatura ambiente (°C) - Ambient temperature (°C) | | | | | |
|--|--|------|------|------|------|------|
| | 30 | 40 | 45 | 50 | 55 | 60 |
| <= 1000 | 1.06 | 1 | 0.97 | 0.94 | 0.90 | 0.87 |
| 1500 | 1.04 | 0.97 | 0.94 | 0.91 | 0.87 | 0.84 |
| 2000 | 1 | 0.95 | 0.92 | 0.88 | 0.84 | 0.81 |
| 3000 | 0.96 | 0.89 | 0.86 | 0.82 | 0.78 | 0.74 |
| 4000 | 0.91 | 0.84 | 0.80 | 0.76 | 0.72 | 0.67 |

Servizi

I dati tecnici riportati nelle tabelle sono riferiti al servizio continuo (S1). A richiesta possono essere forniti motori per Servizio limitato S2 (30 o 60 minuti) o per altri tipi di servizio

Duties

All technical data mentioned in the tables are referred to continuous duty (S1). Upon request, motors for limited Duty S2 (30 or 60 minutes) or for other duties can be supplied.

Sovraccarichi

I motori in servizio continuo possono sopportare i seguenti sovraccarichi:

Overloads

Continuous duty motors can withstand the following overloads:

| Sovraccarico - Overload % | Durata - Duration Min. | Intervallo - Interval Min. |
|---------------------------|------------------------|----------------------------|
| 10 | 10 | 15 |
| 20 | 6 | 15 |
| 30 | 4 | 15 |
| 40 | 3 | 15 |
| 50 | 2 | 15 |

In tali condizioni di funzionamento in sovraccarico, le sovratemperature possono risultare superiori di 10°C ai limiti previsti per la classe d'isolamento.

Per i motori in classe energetica IE2 e IE3 con i sovraccarichi sopraindicati le sovratemperature restano entro i limiti della classe d'isolamento F.

In such operation conditions with overload, temperature rises may be 10°C higher than the limits provided for by the insulation class.

For motors in IE2 and IE3 energy class with the above mentioned overloads, temperature rises remain within the limits of the F insulation class.

Avviamenti

I motori sono idonei per i seguenti tipi di avviamento:

- Diretto
- Stella - triangolo
- Autotrasformatore
- Soft-start ⁽¹⁾
- Con inverter ⁽²⁾

1) Al termine dell'avviamento il soft-starter deve essere by-passato. In caso contrario è necessario utilizzare un motore con avvolgimento con isolamento rinforzato.

2) È necessario utilizzare un motore con avvolgimento con isolamento rinforzato (vedere paragrafo alimentazione da inverter).

Rumorosità

Le tabelle dei dati tecnici riportano i valori di rumorosità (LpA) e in potenza (LwA) sonora misurati ad un metro di distanza espressi in dB(A).

I valori di rumorosità sono rilevati con motore funzionante a vuoto e con una tolleranza di 3 dB(A).

Vibrazioni

I motori sono bilanciati dinamicamente con mezza chiave applicata all'estremità d'albero secondo la norma IEC 60034-14 e hanno grado di vibrazione A in esecuzione standard.

La seguente tabella indica i limiti raccomandati dell'intensità di vibrazione per le varie altezze d'asse.

Vibrazioni più elevate possono verificarsi sul motore installato sull'impianto, a causa di vari fattori come basamenti non adeguati o reazioni da parte del sistema azionato. In questi casi, verifiche più approfondite dovrebbero essere eseguite su ogni parte componente l'installazione.

Startings

Motors are suitable for the following types of starting:

- Direct
- Star - delta
- By autotransformer
- Soft-start ⁽¹⁾
- By inverter ⁽²⁾

1) At the end of the starting, the soft-starter must be by-passed. If not, it is necessary to use a motor with winding with reinforced insulation.

2) It is necessary to use a motor with winding with reinforced insulation (see paragraph inverter supply).

Noise

The technical features table contains the values of A-sound pressure level (LpA) and A sound power level (LwA), measured at a one meter distance.

Sound levels are measured in no-load conditions and have tolerances of 3 dB(A),

Vibrations

Motors are dynamically balanced with a half key applied to the shaft extension in accordance with the IEC 60034-14 standard to vibration severity grade A in standard execution.

The following table shows the maximum vibration grades with respect to the different frame sizes.

Larger vibrations may occur on motors installed at site, due to various factors such as unsuitable foundations or reactions caused by the driven load. In such cases checks should also be carried out on each element of the installation.

| Grado Equilibratura Vibration grade | Montaggio Mounting | Altezza d'asse - Frame size 56≤H≤132 | | | Altezza d'asse - Frame size 132<H≤280 | | | Altezza d'asse - Frame size >280 | | |
|--|---------------------------------------|---|---------------------------|------------------------------------|--|---------------------------|------------------------------------|-------------------------------------|---------------------------|------------------------------------|
| | | Spostam Displac. µm | Velocità Speed mm/s | Acc. Acc. m/sec ² | Spostam Displac. µm | Velocità Speed mm/s | Acc. Acc. m/sec ² | Spostam Displac. µm | Velocità Speed mm/s | Acc. Acc. m/sec ² |
| A | Sospensione libera Free suspension | 25 | 1.6 | 2.5 | 35 | 2.2 | 3.5 | 45 | 2.8 | 4.4 |
| | Montaggio rigido Rigid mounting | 21 | 1.3 | 2 | 29 | 1.8 | 2.8 | 37 | 2.3 | 3.6 |
| B | Sospensione libera Free suspension | 11 | 0.7 | 1.1 | 18 | 1.1 | 1.7 | 29 | 1.8 | 2.8 |
| | Montaggio rigido Rigid mounting | - | - | - | 14 | 0.9 | 1.4 | 24 | 1.5 | 2.4 |

Tappi scarico condensa

I motori serie S grandezza 355L sono normalmente forniti di tappi posti sulla carcassa (forme B3 e derivate) o sugli scudi (forma V1) per poter scaricare la condensa che si può formare all'interno del motore.

Sui motori serie SA grandezza 80÷355LT i fori scarico condensa sono realizzabili a richiesta.

I motori sono forniti con i fori di scarico condensa chiusi e tali devono rimanere per garantire il grado di protezione (IP) richiesto.

In funzione delle condizioni operative di funzionamento è necessario che periodicamente tali tappi vengano aperti per permettere lo scarico della condensa.

Viteria inox

I motori della serie S possono essere forniti, per installazione in ambienti aggressivi, con viteria inox o trattata con procedimenti specifici (galvanizzazione, zincatura, ecc...)

Verniciatura - Cicli speciali

ELECTRO ADDA ha definito un certo numero di cicli di verniciatura in funzione delle condizioni ambientali e climatiche in cui i motori vengono installati:

- Ciclo standard
- Ciclo intermedio
- Ciclo speciale

Ciclo standard

Ciclo di verniciatura che prevede l'utilizzo di vernici a base acqua, eliminando completamente l'utilizzo di solventi.

L'applicazione viene effettuata con braccio robotizzato abbinato ad un sistema automatico di rotazione bidirezionale programmata.

Il sistema di applicazione della vernice, completamente automatico, ha la possibilità di variare i seguenti colori: Grigio Pietra RAL 7030 (colore standard), Blu Genziana RAL 5010, Verde Reseda RAL 6011, Bianco RAL 9002, Azzurro RAL 5012, Nero RAL 9005.

Altri colori sono possibili, con supplemento di prezzo.

Questo ciclo di verniciatura è adatto a motori installati in normali ambienti industriali, con umidità $\leq 75\%$ e liberi da agenti salini, chimici, aggressivi.

Ciclo intermedio

Ciclo di verniciatura che prevede l'utilizzo di prodotti bicomponente formulati con l'impiego di resine epossidiche solide e resine viniliche

Condensation drainage plugs

S series motors frame size 355L are normally provided with plugs placed on the frame (mountings B3 and derived mountings) or on the shields (mounting V1) in order to drain condensation that can form inside the motor.

SA series motors frame size 80÷355LT can be provided with condensation drainage holes upon request.

Motors are supplied with closed condensation drainage holes, they must remain closed to guarantee the required protection degree (IP).

Based on the operating conditions it is necessary to periodically open the plugs to allow condensation drainage.

Stainless steel screws and bolts

S series motors can be supplied, when installed in aggressive environments, with stainless steel or specifically treated (galvanizing, annealing, etc...) screws and bolts.

Painting - Special cycles

ELECTRO ADDA has defined a number of painting cycles depending on climatic and environmental conditions in which the motors are installed:

- Standard cycle
- Intermediate cycle
- Special Cycle

Standard cycle

Painting cycle that includes the use of water-based paints, completely eliminating the use of solvents.

The application is carried out with a robotic arm coupled to an automatic system for a programmed bidirectional rotation.

The application system of the paint, fully automatic, has the possibility to vary the following colors: Stone Grey RAL 7030 (standard color), Gentian Blue RAL 5010; Reseda Green RAL 6011, White RAL 9002, Blue RAL 5012, Black RAL 9005.

Other colors are possible, with additional charge.

This painting cycle is suitable for motors installed in normal industrial environments, humidity $\leq 75\%$ and free from toxic, chemicals, aggressive substances.

Intermediate cycle

Painting cycle that involves the use of two-component products made with the use of solid epoxy resins and vinyl resins crosslinked polyamide

reticolate con catalizzatore poliammidico che garantisce una eccellente adesione ed una elevata resistenza chimica e fisica.

I colori finali disponibili sono RAL 7030 (colore standard), RAL 5010, RAL 6011, RAL 9003, RA L9005. Altri colori disponibili a richiesta in sede di offerta.

Questo ciclo di verniciatura è adatto a motori installati in ambienti leggermente aggressivi, umidi-salini (bordo mare).

Ciclo speciale

Ciclo di verniciatura che prevede l'utilizzo di due mani di fondo con vernici a base epossivinilica e smalti di finitura a base poliuretanic, Il colore finale è a scelta del Cliente.

Le schede tecniche delle vernici utilizzate sono disponibili su richiesta.

In mancanza di indicazione contraria, i motori sono verniciati secondo il ciclo standard, con colore finale grigio RAL 7030.

with a catalyst which ensures excellent adhesion and a high chemical and physical resistance.

Available final colors are: RAL 7030 (standard color), RAL 5010, RAL 6011, RAL 9003, RAL 9005. Other colors available on request when inquiring.

This painting system is suitable for motors installed in slightly aggressive environments, moisture, salt (sea side).

Special cycle

Painting cycle that includes the use of two coats of epoxy-based paints and enamels finishing based on polyurethane. The final color is chosen by the customer.

Technical specifications of the used paints are available upon request.

If no indication is given, motors are painted according to the standard cycle, with final color gray RAL 7030.

| Ciclo di verniciatura <i>Painting cycle</i> | Ambiente <i>Environment</i> | Applicazione | Application |
|---|---|--|---|
| Standard <i>Standard</i> | Industriale, non aggressivo <i>Industrial, not aggressive</i> | 1 mano a spruzzo di smalto con legante alchidico a base di acqua Gloss 40-50 (semilucido) Spessore medio 35µ | 1 spray coat of enamel with water-based alkyd binder Gloss 40-50 (semigloss) Average thickness 35µ |
| Intermedio <i>Intermediate</i> | Umido-salino, bordo mare, leggermente aggressivo <i>Humid-salty, seaside, slightly aggressive</i> | 1 mano di fondo intermedio epossivinilico 1 mano di smalto di finitura poliuretanic acrilica Gloss 40-50 semiopaco Spessore medio 60µ | 1 epoxy-vinyl intermediate coat 1 polyurethane acrylic enamel finishing coat Gloss 40-50 (semimatt) Average thickness 60µ |
| Speciale <i>Special</i> | Aggressivo, marino, navale, debolmente acido e chimico <i>Aggressive, sea, naval, slightly acid and chemical</i> | 2 mani di fondo epossivinilico bicomponente a rapida essiccazione 1 mano di smalto di finitura poliuretanic bicomponente Gloss 50-60 semilucido Spessore medio 150µ | 2 two-components epoxy-vinyl with fast drying primer coat 1 two-components polyurethane enamel finishing coat Gloss 50-60 (semigloss) Average thickness 150µ |
| Su specifica cliente <i>On customer request</i> | - | - | - |
| Norma / Standards ISO 12944-1 | - | Per superfici in lamiera, ghisa e acciaio | For metal, cast iron and steel surfaces |

Oltre a questi cicli, **ELECTRO ADDA** ha definito un ciclo di verniciatura per Applicazioni Ferroviarie, che risponde alle esigenze imposte dalle Normative di Settore per macchine sottoposte a severe sollecitazioni meccaniche ed ambientali.

I prodotti utilizzati e la preparazione delle superfici garantiscono l'idoneità dei motori a:

- Temperatura di stoccaggio -25°C÷+85°C
- Temperatura di esercizio -25°C÷+70°C
- Umidità 100%
- Resistenza al freddo -25°C-72h secondo la norma CEI EN 60068-2-14
- Nebbia Salina Ciclica grado di severità 3 (7 giorni) secondo la norma CEI EN 60068-2-52
- Resistenza al cambio di temperatura -25°C +85°C secondo la norma CEI EN 60068-2-14

Spessore medio totale 120µ.

In addition to the above cycles, ELECTRO ADDA has defined a painting cycle for Railway Applications, which meets the requirements imposed by the Regulations of Industrial Machines subjected to severe mechanical and environmental stresses.

Products used and the preparation of the surfaces ensure the suitability of motors for:

- Storage temperature -25°C÷+85°C
- Operating temperature -25°C÷+70°C
- Humidity 100%
- Cold resistance -25°C -72 hours in accordance with IEC 60068-2-14
- Cyclic Salt Spray degree of severity 3 (7 days) according to IEC 60068-2-52
- Resistance to change of temperature -25°C to +85°C according to IEC 60068-2-14

Total average thickness 120µ.

Prove e collaudi

Prove di routine

Tutti i motori prodotti da **ELECTRO ADDA** vengono sottoposti a controlli mediante apparecchiature apposite che verificano tutta la produzione del Reparto Avvolgimenti e del Reparto Assemblaggio con prove dedicate all'aspetto Elettromagnetico sia di potenza che di isolamento.

Le macchine vengono inoltre sottoposte alla verifica scariche parziali a mezzo di specifica apparecchiatura che, in accordo alla norma TS 60034-18-41 verifica la qualità del filo di rame utilizzato, degli isolanti e del sistema di impregnazione.

Prove di tipo

Le prove di tipo vengono effettuate sui prototipi, su motori campione presi dalla linea di produzione, sui motori sottoposti a certificazioni varie (es. Rina, LR, DNV, ecc...) o su specifica richiesta del cliente.

Le prove di tipo sono realizzate con motore assemblato presso la sala prove di **ELECTRO ADDA**.

Le prove sono eseguite secondo le Norme CEI-IEC 60034.

Collaudi presenziati

L'esecuzione di collaudi presenziati con l'inviato del Cliente deve essere concordata in sede di offerta e di ordine.

Tests and controls

Routine tests

All motors manufactured by **ELECTRO ADDA** are checked by special equipment that occur throughout the production department of the windings and the Assembly Department with tests dedicated to the Electro-magnetic aspects both for power and insulation.

Machines are also subjected to the partial discharge tests by means of specific equipment which, according to the standard TS 60034-18-41, verifies the quality of the copper wire used, the insulations and the impregnation system.

Type tests

Type tests are carried out on prototypes, sample motors taken from the production line, motors tested with various certification bodies (eg, Rina, LR, DNV, etc...) or at the specific request of the Customer.

Type tests are carried out with the motor assembled at the **ELECTRO ADDA** testing room.

Tests carried out in accordance with CEI-IEC 60034-1.

Witnessed tests

Witnessed tests must be agreed in the offer and order.

Alimentazione da inverter

I motori asincroni trifase serie S sono previsti anche per alimentazione da inverter e sono progettati e costruiti operando delle scelte progettuali e costruttive che consentono un funzionamento ottimale ed affidabile.

Particolare attenzione richiede pertanto il sistema d'isolamento ed impregnazione del motore che deve essere in grado di sopportare le maggiori sollecitazioni derivanti da questo tipo di alimentazione.

I motori previsti per alimentazione a 690 V sono realizzati con un sistema di isolamento rinforzato (sistema HPI).

Secondo la specifica tecnica "IEC TS 60034-25", i motori per inverter sono idonei a lavorare nelle seguenti condizioni:

Tensione di alimentazione ≤ 500 V - Curva A

Tensione di picco 1,56 kV

Tensione di alimentazione > 500 V e ≤ 690 V - Curva B

Tensione di picco 2,15 kV

Rise time $\geq 0,4$ μ sec

Nel caso di valori più elevati è consigliabile l'impiego di un adeguato filtro tra motore ed inverter per ridurre le sollecitazioni sul motore.

Analogamente è necessario un filtro nel caso di eccessiva lunghezza dei cavi di alimentazione (distanza tra motore e inverter maggiore di 50 metri).

I motori normali sono previsti con sistema di ventilazione IC 411 (autoventilato) e sono idonei per applicazioni su macchine operatrici a coppia quadratica (pompe o ventilatori) e per funzionamento a coppia costante con frequenza di alimentazione minima di 30 Hz.

A richiesta possono essere forniti motori con sistema di ventilazione IC 416 (servo-ventilato) per applicazioni a coppia costante con frequenza minima di 5 Hz.

È necessario l'utilizzo di cavi e collegamenti conformi alle raccomandazioni EMC (compatibilità elettromagnetica).

Il motore e il sistema motore devono essere adeguatamente messi a terra, per evitare possibili tensioni e correnti nei cuscinetti del motore.

Inoltre, devono essere seguite le istruzioni aggiuntive fornite dal produttore di inverter.

La velocità massima che i motori possono raggiungere è limitata dalle sollecitazioni meccaniche che possono sopportare senza danneggiamenti. Nella tabella dei dati tecnici nelle pagine seguenti è riportato tale limite per il funzionamento in servizio continuativo.

Per brevi periodi è possibile superare tale limite di circa il 10% senza che si verifichino danneggiamenti dei cuscinetti.

Nelle tabelle dei dati tecnici, sono riportate oltre alle caratteristiche elettriche, i limiti di velocità quale i motori possono funzionare erogando la potenza nominale con un margine tra la coppia massima e la coppia nominale del 50%. Oltre tale velocità e fino alla velocità massima ammessa i motori possono funzionare a potenza ridotta. Il valore di coppia massima (espresso in Nm) del motore in queste condizioni si ottiene moltiplicando il valore della coppia massima per il rapporto tra velocità nominale e velocità massima al quadrato.

Oltre i 100 kW o dalla grandezza 315 si suggerisce l'uso di cuscinetto isolato.

Inverter supply

S series asynchronous three-phase motors can also be used with inverter supply; they are designed and manufactured based on design and manufacturing choices that allow an optimum and reliable operation.

Consequently the motor insulation and impregnation must be carried out with the utmost care because they have to be able to withstand the higher stresses caused by such kind of supply.

Motors designed for 690 V supply are manufactured with a reinforced insulation system (HPI system).

According to the Technical Specification "IEC TS 60034-25", motors for inverter are suitable to work under the following conditions:

Supply voltage ≤ 500 V - Curve A

Peak voltage 1,56 kV

Supply voltage > 500 V and ≤ 690 V - Curve B

Peak voltage 2,15 kV

Rise time $\geq 0,4$ μ sec

In case of higher values it is advisable to use a proper filter between motor and inverter to reduce stresses on the motor.

Similarly a filter is necessary in case of too long supply cables (distance between motor and inverter higher than 50 metres).

Standard motors are designed with IC 411 cooling system (self-ventilated) and are suitable for applications on manufacturing machines with quadratic torque (pumps or fans) and for operation with constant torque with minimum supply frequency of 30 Hz.

Upon request, motors with IC 416 cooling system (with forced ventilation) for applications with constant torque with minimum frequency of 5 Hz, can be supplied.

The use of cables and connections conforming to EMC (electro-magnetic compatibility) recommendations is necessary.

The motor and the driven system must be properly earthed, to avoid possible voltages and currents in the bearings of the motor.

The additional instructions given by the inverter manufacturer must also be followed.

The maximum speed that the motors can reach is limited by the mechanical stresses that they can withstand without being damaged. The technical data tables on the following pages give the value of this limit for the continuous duty operation.

It is possible to exceed this limit of approx. 10% for short periods without having damages at the bearings.

In addition to the electric features, technical data tables also contain speed limits at which the motors can operate supplying the rated output with a 50% margin between the maximum torque and the rated torque.

Above this speed and up to the maximum speed permitted, motors can run at reduced power. Value of the maximum torque of the motor (given in Nm) in these conditions is obtained multiplying the value of the maximum torque by the ratio between the rated speed and the maximum speed squared.

Above 100 kW or from size 315, insulated bearing is suggested.

Occorre tener presente che aumentando la velocità di funzionamento aumenta anche il rumore emesso dal motore stesso, pertanto per aumenti superiori al 20% della velocità nominale si consiglia l'impiego di motori servo-ventilati (IC 416).

Funzionamento a potenza aumentata motori serie SA grandezze 63÷160

I motori serie SA (fino al 160) in esecuzione standard previsti per alimentazione a 230 V / 50 Hz con collegamento a triangolo, possono essere alimentati a frequenze maggiori di 50 Hz con tensione proporzionale alla frequenza fino a 100 Hz (2 volte la velocità nominale). In tal caso la potenza erogabile in servizio continuo (S1) può essere aumentata secondo quanto indicato nel diagr. 5.

La corrente nel funzionamento a potenza nominale a 50 Hz aumenta di circa 1.73 volte il valore indicato nelle tabelle relativi ai dati tecnici a 400 V; il valore di corrente assorbita alla potenza di 100 Hz varia in modo lineare.

Ovviamente anche in questo caso non devono mai essere superati i limiti di velocità indicati alla tabelle dei dati tecnici.

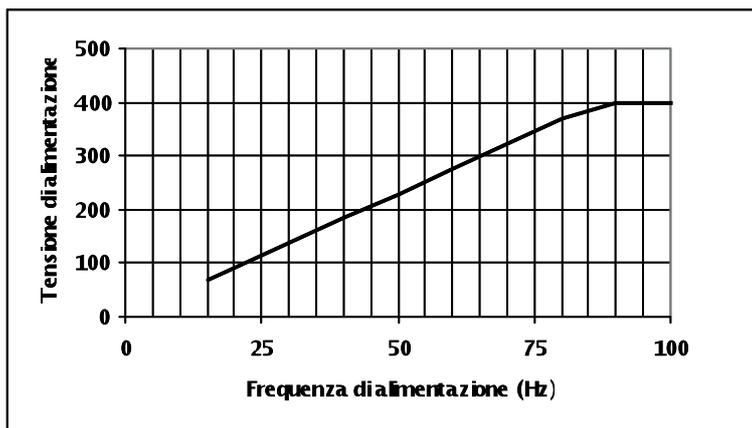
It has to be considered that with the increase of the operation speed, also the noise emitted by the motor itself increases, therefore for increases higher than 20% of the rated speed it is advisable to use motors with forced ventilation (IC 416).

Increased power operation SA series motors frame sizes 63÷160

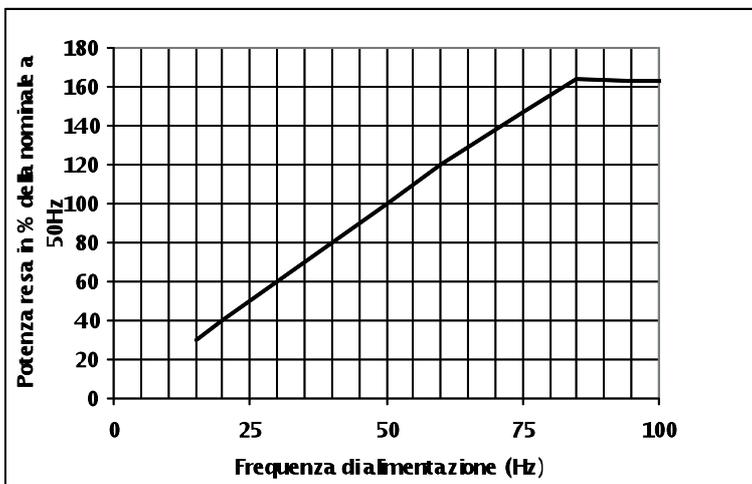
SA series motors (up to size 160) in standard execution designed to be supplied at 230 V / 50 Hz with delta connection, may be supplied at frequencies higher than 50 Hz with voltage proportional to the frequency up to 100 Hz (twice the rated speed). In such case the motor output in continuous duty (S1) may be increased as shown in diagr. 5.

During operation at rated power at 50 Hz, current increases by approx. 1.73 times the value shown in the tables concerning the technical data at 400 V; the value of input current at the power of 100 Hz linearly changes.

Of course also in this case the speed limits shown in the technical data tables must never be exceeded.



Diag. 4 - Diagramma tensione di alimentazione - frequenza previsto per i motori serie S (230 V / 50 Hz) per il funzionamento a potenza aumentata.
Diag. 4 - Supply voltage - frequency diagram intended for the S series motors (230 V / 50 Hz) for operation at increased power.



Diag. 5 - Diagramma potenza resa - frequenza per i motori serie SA (220 V / 50 Hz) per il funzionamento a potenza aumentata.
Diag. 5 - Power output - frequency diagram intended for the SA series motors (220 V / 50 Hz) for operation at increased power.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|--------------------------------------|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.18 | 2680 | 0.0002 | 64 | 0.75 | 0.54 | 0.641 | 2.4 | 3.5 | 2.5 | 57 | 3.3 |
| SA 63-b | 0.25 | 2700 | 0.0002 | 64 | 0.75 | 0.75 | 0.884 | 2.4 | 3.5 | 2.5 | 57 | 3.8 |
| SA 71-a | 0.37 | 2800 | 0.0004 | 71 | 0.8 | 0.94 | 1.262 | 2.2 | 4 | 2.3 | 59 | 6 |
| SA 71-b | 0.55 | 2810 | 0.0005 | 71 | 0.8 | 1.4 | 1.869 | 2.5 | 4.6 | 2.6 | 59 | 7 |
| S1A 80-a | 0.75 | 2820 | 0.0012 | 76 | 0.81 | 1.8 | 2.54 | 2.3 | 4.5 | 2.4 | 63 | 8.6 |
| S1A 80-b | 1.1 | 2820 | 0.0017 | 76.2 | 0.81 | 2.6 | 3.72 | 2.3 | 4.8 | 2.4 | 63 | 10.2 |
| S1A 90S | 1.5 | 2840 | 0.0012 | 78.5 | 0.8 | 3.4 | 5.04 | 2.4 | 4.9 | 2.5 | 68 | 11.5 |
| S1A 90L | 2.2 | 2840 | 0.0019 | 81 | 0.78 | 5 | 7.4 | 2.4 | 4.9 | 2.5 | 68 | 13.5 |
| S1A 100L | 3 | 2850 | 0.0032 | 82.6 | 0.81 | 6.4 | 10.1 | 2.6 | 6.5 | 2.8 | 72 | 20.5 |
| S1A 112MT-a | 4 | 2860 | 0.0042 | 84.2 | 0.8 | 8.6 | 13.4 | 2.6 | 6.5 | 2.8 | 72 | 23 |
| S1A 112MT-b | 5.5 | 2880 | 0.0055 | 83.5 | 0.84 | 11.3 | 18.2 | 2.5 | 7 | 2.8 | 72 | 28.2 |
| S1A 132S-a | 5.5 | 2900 | 0.009 | 85.7 | 0.85 | 10.9 | 18.1 | 2.5 | 7 | 2.8 | 74 | 38.4 |
| S1A 132S-b | 7.5 | 2900 | 0.0113 | 87 | 0.85 | 14.7 | 24.7 | 2.5 | 7 | 2.8 | 74 | 42 |
| S1A 132M | 9 | 2910 | 0.015 | 86 | 0.86 | 17.6 | 29.5 | 2.4 | 7 | 2.7 | 74 | 47.5 |
| S1A 160MT-a | 11 | 2910 | 0.017 | 88.4 | 0.84 | 21 | 36.1 | 2.5 | 6.5 | 2.7 | 74 | 58 |
| S1A 160MT-b | 15 | 2930 | 0.023 | 89.4 | 0.85 | 29 | 48.9 | 2.6 | 6.7 | 2.8 | 75 | 68 |
| S1A 160L | 18.5 | 2940 | 0.043 | 90 | 0.85 | 35 | 60.1 | 2.6 | 6.9 | 2.8 | 75 | 90 |
| S1A 180MT | 22 | 2950 | 0.051 | 90.5 | 0.85 | 42 | 71.2 | 2.7 | 7 | 2.9 | 75 | 110 |
| S1A 180LT | 25 | 2950 | 0.059 | 89.5 | 0.86 | 47 | 80.9 | 2.7 | 7 | 2.9 | 75 | 116 |
| S1A 200LT-a | 30 | 2950 | 0.089 | 91.4 | 0.86 | 55 | 97 | 2.7 | 7.3 | 3 | 83 | 142 |
| S1A 200LT-b | 37 | 2960 | 0.111 | 92 | 0.86 | 68 | 119 | 2.7 | 7.3 | 3 | 83 | 162 |
| S1A 225MT | 45 | 2960 | 0.18 | 92.5 | 0.86 | 82 | 145 | 2.7 | 7.5 | 3 | 83 | 210 |
| S1A 250MT | 55 | 2970 | 0.283 | 93 | 0.87 | 98 | 177 | 2.8 | 7.6 | 3 | 83 | 280 |
| S1A 280ST | 75 | 2970 | 0.493 | 93.6 | 0.87 | 132 | 241 | 2.6 | 7.2 | 2.9 | 84 | 372 |
| S1A 280MT | 90 | 2970 | 0.587 | 93.9 | 0.88 | 158 | 289 | 2.7 | 7.5 | 3 | 87 | 407 |
| S1A 315ST | 110 | 2975 | 0.751 | 93.5 | 0.89 | 191 | 353 | 2.6 | 7.5 | 2.8 | 87 | 496 |
| S1A 315M | 132 | 2980 | 1.27 | 93.5 | 0.89 | 229 | 423 | 2.5 | 7.4 | 2.7 | 90 | 620 |
| S1A 315M | 160 | 2980 | 1.52 | 93.5 | 0.89 | 278 | 513 | 2.5 | 7.4 | 2.7 | 90 | 668 |
| S1A 315M | 200 | 2980 | 1.83 | 94 | 0.9 | 342 | 641 | 2.5 | 7.4 | 2.7 | 90 | 760 |
| S1A 355LT | 250 | 2980 | 2.29 | 94 | 0.9 | 427 | 801 | 2.2 | 7.5 | 2.4 | 90 | 895 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|--------------------------------------|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.13 | 1340 | 0.0002 | 60 | 0.6 | 0.5 | 0.93 | 2.3 | 3 | 2.3 | 49 | 3.8 |
| SA 63-b | 0.18 | 1340 | 0.0003 | 61 | 0.6 | 0.7 | 1.28 | 2.3 | 3 | 2.3 | 49 | 4.1 |
| SA 71-a | 0.25 | 1350 | 0.0004 | 68 | 0.65 | 0.8 | 1.77 | 2 | 3.5 | 2 | 51 | 5.7 |
| SA 71-b | 0.37 | 1350 | 0.0005 | 69 | 0.67 | 1.2 | 2.62 | 2 | 3.5 | 2 | 51 | 7 |
| SA 80-a | 0.55 | 1360 | 0.0012 | 72 | 0.7 | 1.6 | 3.86 | 2.3 | 4.3 | 2.3 | 54 | 8.6 |
| S1A 80-b | 0.75 | 1360 | 0.0017 | 73 | 0.73 | 2.0 | 5.27 | 2.3 | 4.3 | 2.3 | 54 | 10 |
| S1A 90S | 1.1 | 1380 | 0.0022 | 76.2 | 0.78 | 2.7 | 7.61 | 2.3 | 4.5 | 2.5 | 56 | 11.9 |
| S1A 90L | 1.5 | 1380 | 0.0028 | 78.5 | 0.77 | 3.6 | 10.38 | 2.3 | 4.5 | 2.5 | 56 | 14.2 |
| S1A 100L-a | 2.2 | 1410 | 0.005 | 81 | 0.79 | 5.0 | 14.90 | 2 | 4.5 | 2.2 | 60 | 18.7 |
| S1A 100L-b | 3 | 1410 | 0.006 | 82.6 | 0.8 | 6.6 | 20.32 | 2 | 4.5 | 2.2 | 60 | 21.2 |
| S1A 112MT | 4 | 1420 | 0.009 | 84.2 | 0.81 | 8.5 | 26.9 | 2.4 | 5 | 2.5 | 60 | 25.7 |
| S1A 132S | 5.5 | 1430 | 0.021 | 85.7 | 0.8 | 11.6 | 36.7 | 2.1 | 6 | 2.5 | 63 | 43 |
| S1A 132M-a | 7.5 | 1430 | 0.028 | 87 | 0.81 | 15.4 | 50.1 | 2.1 | 6 | 2.5 | 63 | 50.3 |
| S1A 132M-b | 9 | 1430 | 0.034 | 87 | 0.81 | 18.5 | 60.1 | 2.1 | 6 | 2.5 | 63 | 55.8 |
| S1A 160MT | 11 | 1465 | 0.039 | 88.4 | 0.83 | 21.7 | 71.7 | 2.6 | 5.9 | 2.6 | 63 | 69.5 |
| S1A 160L | 15 | 1465 | 0.08 | 89.4 | 0.82 | 29.6 | 97.8 | 2.6 | 6 | 2.6 | 67 | 89 |
| S1A 180MT | 18.5 | 1470 | 0.098 | 90 | 0.83 | 35.8 | 120 | 2.5 | 6.5 | 2.8 | 67 | 110 |
| S1A 180LT | 22 | 1470 | 0.12 | 90.5 | 0.83 | 42.3 | 143 | 2.5 | 6.5 | 2.8 | 67 | 119 |
| S1A 200LT | 30 | 1470 | 0.16 | 91.4 | 0.85 | 56 | 195 | 2.4 | 6.5 | 2.8 | 70 | 155 |
| S1A 225ST | 37 | 1480 | 0.31 | 92 | 0.84 | 69 | 239 | 2.6 | 7.1 | 2.9 | 70 | 202 |
| S1A 225MT-a | 45 | 1480 | 0.39 | 92.5 | 0.84 | 84 | 290 | 2.6 | 7.1 | 2.9 | 70 | 235 |
| S1A 250MT-b | 55 | 1480 | 0.51 | 93 | 0.85 | 101 | 355 | 2.5 | 7.3 | 2.6 | 70 | 286 |
| S1A 280ST | 75 | 1485 | 1.15 | 93.6 | 0.86 | 135 | 482 | 2.5 | 7.3 | 2.7 | 73 | 387 |
| S1A 280MT | 90 | 1485 | 1.31 | 93.9 | 0.86 | 161 | 579 | 2.6 | 6.7 | 2.7 | 73 | 415 |
| S1A 315ST | 110 | 1485 | 1.55 | 94 | 0.88 | 192 | 707 | 2.6 | 6.7 | 2.7 | 75 | 496 |
| S1A 315M-a | 132 | 1485 | 2.6 | 94 | 0.88 | 231 | 849 | 2.2 | 6.2 | 2.7 | 77 | 630 |
| S1A 315M-b | 160 | 1485 | 3.5 | 94 | 0.88 | 280 | 1029 | 2.5 | 6.6 | 2.7 | 77 | 740 |
| S1A 315M-c | 200 | 1485 | 4.16 | 94.2 | 0.89 | 345 | 1286 | 2.6 | 6.8 | 2.8 | 77 | 882 |
| S1A 355LT | 250 | 1487 | 5 | 94.4 | 0.89 | 430 | 1605 | 2.7 | 7 | 2.3 | 77 | 1045 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|--|------------------|-------------------|------------------|---------------|--|--------------------------------------|-------------------------------------|---|---|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcasa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.09 | 880 | 0.0003 | 43 | 0.6 | 0.5 | 0.98 | 1.7 | 2.2 | 1.9 | 48 | 5 |
| SA 63-b | 0.11 | 890 | 0.0004 | 45 | 0.6 | 0.6 | 1.18 | 1.7 | 2.8 | 1.9 | 48 | 5.2 |
| SA 71-a | 0.18 | 890 | 0.0011 | 54 | 0.61 | 0.8 | 1.93 | 1.7 | 2.8 | 1.9 | 49 | 5.8 |
| SA 71-b | 0.22 | 890 | 0.0013 | 55 | 0.61 | 0.9 | 2.36 | 1.8 | 2.8 | 2 | 49 | 6.5 |
| S1A 90S | 0.75 | 910 | 0.0035 | 72 | 0.72 | 2.1 | 7.87 | 1.9 | 3.8 | 2.1 | 54 | 10.8 |
| S1A 90L | 1.1 | 910 | 0.0051 | 73 | 0.72 | 3.0 | 11.54 | 2 | 4 | 2 | 54 | 13.5 |
| S1A 100L | 1.5 | 920 | 0.0087 | 75 | 0.73 | 4.0 | 15.6 | 2.1 | 4.7 | 2.3 | 57 | 19.6 |
| S1A 112MT | 2.2 | 940 | 0.014 | 78 | 0.75 | 5.4 | 22.3 | 2.2 | 5.5 | 2.5 | 57 | 25 |
| S1A 132S | 3 | 950 | 0.023 | 80 | 0.78 | 6.9 | 30.2 | 2 | 5.6 | 2.3 | 60 | 39 |
| S1A 132M-a | 4 | 950 | 0.031 | 82 | 0.78 | 9.0 | 40.2 | 2.3 | 5.8 | 2.6 | 60 | 45.5 |
| S1A 132M-b | 5.5 | 950 | 0.041 | 83 | 0.78 | 12.3 | 55.3 | 2.3 | 6 | 2.6 | 60 | 52.5 |
| S1A 160MT | 7.5 | 960 | 0.054 | 85 | 0.8 | 15.9 | 74.6 | 2.1 | 6 | 2.6 | 60 | 69 |
| S1A 160L | 11 | 960 | 0.109 | 86 | 0.81 | 22.8 | 109.4 | 2.3 | 6.4 | 2.9 | 63 | 88 |
| S1A 180LT | 15 | 970 | 0.141 | 87 | 0.82 | 30.4 | 147.7 | 2.4 | 7.2 | 3 | 63 | 114 |
| S1A 200LT-a | 18.5 | 975 | 0.271 | 88 | 0.83 | 36.6 | 181.2 | 2.3 | 6.8 | 2.8 | 68 | 145 |
| S1A 200LT-b | 22 | 975 | 0.32 | 88 | 0.83 | 43.5 | 215 | 2.3 | 6.8 | 2.8 | 68 | 155 |
| S1A 225MT | 30 | 980 | 0.541 | 90 | 0.84 | 57.3 | 292 | 2.4 | 6.1 | 2.6 | 72 | 234 |
| S1A 250MT | 37 | 980 | 0.752 | 91 | 0.84 | 69.9 | 361 | 2.4 | 6.8 | 2.7 | 73 | 295 |
| S1A 280ST | 45 | 985 | 1.37 | 92 | 0.82 | 87 | 436 | 2.3 | 6.5 | 2.4 | 75 | 381 |
| S1A 280MT | 55 | 985 | 1.68 | 92 | 0.82 | 105 | 533 | 2.3 | 6.5 | 2.4 | 75 | 421 |
| S1A 315ST | 75 | 985 | 2.37 | 92 | 0.83 | 141 | 727 | 2.1 | 6 | 2.3 | 75 | 526 |
| S1A 315M-a | 90 | 988 | 2.7 | 93 | 0.83 | 168.5 | 870 | 2.3 | 5.8 | 2.6 | 84 | 642 |
| S1A 315M-b | 110 | 986 | 2.7 | 93 | 0.84 | 203.5 | 1065 | 2.3 | 5.8 | 2.6 | 84 | 672 |
| S1A 315M-c | 132 | 986 | 3.15 | 93.3 | 0.84 | 243.4 | 1278 | 2.3 | 5.9 | 2.6 | 84 | 730 |
| S1A 315M-d | 160 | 987 | 4.7 | 94 | 0.84 | 292.8 | 1548 | 2.4 | 6 | 2.6 | 84 | 910 |
| S1A 355LT | 200 | 987 | 5.7 | 94 | 0.84 | 366.0 | 1935 | 2.4 | 6 | 2.6 | 84 | 1144 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

8 poli - 750 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

8 poles - 750 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|--------------------------------------|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63 | 0.05 | 640 | 0.00029 | 40 | 0.53 | 0.34 | 0.75 | 1.5 | 2 | 1.6 | 48 | 5 |
| SA 63 | 0.07 | 640 | 0.00039 | 44 | 0.54 | 0.43 | 1.04 | 1.5 | 2 | 1.6 | 48 | 5 |
| SA 71 | 0.11 | 650 | 0.0011 | 44 | 0.56 | 0.65 | 1.6 | 1.5 | 2 | 1.6 | 49 | 6 |
| SA 71 | 0.15 | 650 | 0.0013 | 46 | 0.57 | 0.83 | 2.2 | 1.6 | 2.1 | 1.6 | 49 | 6.5 |
| S1A 80 | 0.18 | 670 | 0.0016 | 52 | 0.6 | 0.83 | 2.6 | 1.8 | 3 | 2 | 51 | 7.3 |
| S1A 80 | 0.25 | 670 | 0.0026 | 61 | 0.6 | 1 | 3.6 | 1.8 | 3 | 2 | 51 | 9.7 |
| S1A 90S | 0.37 | 680 | 0.003 | 64 | 0.63 | 1.3 | 5.2 | 1.8 | 3.2 | 2 | 53 | 10.6 |
| S1A 90L | 0.55 | 690 | 0.0045 | 67 | 0.63 | 1.9 | 7.6 | 1.8 | 3.4 | 2 | 53 | 13.3 |
| S1A 100L | 0.75 | 690 | 0.0087 | 68 | 0.64 | 2.5 | 10.4 | 2 | 3.4 | 2.1 | 55 | 19.3 |
| S1A 100L | 1.1 | 690 | 0.0109 | 70 | 0.64 | 3.5 | 15.2 | 2 | 3.4 | 2.1 | 55 | 21.5 |
| S1A 112MT | 1.5 | 700 | 0.0141 | 73 | 0.65 | 4.6 | 20.5 | 1.9 | 3.5 | 2.4 | 55 | 25 |
| S1A 132S | 2.2 | 705 | 0.0307 | 78 | 0.71 | 5.7 | 29.8 | 1.9 | 4.6 | 2.2 | 58 | 45 |
| S1A 132M | 3 | 710 | 0.0409 | 79 | 0.72 | 7.6 | 40.4 | 1.9 | 5 | 2.3 | 58 | 52 |
| S1A 160MT | 4 | 710 | 0.0537 | 80 | 0.73 | 9.9 | 53.8 | 2 | 5 | 2.1 | 58 | 68.5 |
| S1A 160M | 5.5 | 715 | 0.0772 | 82 | 0.73 | 13 | 73 | 2 | 5.2 | 2.1 | 61 | 70 |
| S1A 160L | 7.5 | 720 | 0.109 | 84 | 0.74 | 17 | 100 | 2.1 | 5.4 | 2.2 | 61 | 87.5 |
| S1A 180LT | 11 | 730 | 0.154 | 86 | 0.76 | 24 | 144 | 2.1 | 5.1 | 2 | 61 | 117 |
| S1A 200LT | 15 | 730 | 0.345 | 87 | 0.76 | 33 | 196 | 2.1 | 5.4 | 2.3 | 66 | 155 |
| S1A 225ST | 18.5 | 730 | 0.505 | 88 | 0.79 | 38 | 242 | 2.3 | 5.3 | 2.3 | 70 | 207 |
| S1A 225MT | 22 | 730 | 0.577 | 89 | 0.79 | 45 | 288 | 2.3 | 5.3 | 2.4 | 70 | 243 |
| S1A 250MT | 30 | 735 | 0.902 | 90 | 0.8 | 60 | 390 | 2.4 | 5.5 | 2.6 | 71 | 317 |
| S1A 280ST | 37 | 735 | 1.75 | 90.5 | 0.8 | 74 | 481 | 2.1 | 5 | 2.3 | 72 | 420 |
| S1A 280MT | 45 | 735 | 2.12 | 91 | 0.8 | 89 | 585 | 2.1 | 5.1 | 2.3 | 72 | 460 |
| S1A 315ST | 55 | 740 | 2.43 | 92 | 0.8 | 108 | 710 | 2.3 | 5.5 | 2.2 | 81 | 525 |
| S1A 315M | 75 | 740 | 3.1 | 93 | 0.8 | 146 | 968 | 1.6 | 5.2 | 2.2 | 81 | 671 |
| S1A 315M | 90 | 740 | 3.52 | 93.5 | 0.8 | 174 | 1162 | 1.6 | 5.2 | 2.3 | 81 | 769 |
| S1A 315M | 110 | 740 | 4.4 | 93.8 | 0.8 | 212 | 1420 | 1.6 | 5.3 | 2.3 | 81 | 890 |
| S1A 315M | 132 | 740 | 5.1 | 94 | 0.8 | 254 | 1704 | 1.6 | 5.3 | 2.4 | 81 | 1035 |
| Serie S1S (carcassa in alluminio) - S1S Series (aluminium frame) | | | | | | | | | | | | |
| S1S 355L-b | 200 | 742 | 10.5 | 94.5 | 0.81 | 378 | 2575 | 1.5 | 5.6 | 2.4 | 79 | 1590 |
| S1S 355L-c | 250 | 745 | 12.6 | 94.5 | 0.82 | 466 | 3205 | 1.5 | 5.6 | 2.4 | 79 | 1760 |
| S1S 355Lx-a | 315 | 745 | 28.9 | 95 | 0.80 | 600 | 4039 | 1.4 | 6 | 2.4 | 79 | 2520 |
| S1S 355Lx-b | 355 | 745 | 34.0 | 95 | 0.81 | 667 | 4550 | 1.5 | 6 | 2.5 | 79 | 2840 |

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|--------------------|---|
| | kW | giri/min rpm | | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 80-a | 0.75 | 2870 | 0.0015 | 77.4 | 79 | 76.6 | 0.8 | 0.71 | 0.54 | 1.8 | 2.49 | 2.3 | 4.5 | 2.4 | 61 | 9.6 |
| S2A 80-b | 1.1 | 2975 | 0.0020 | 79.6 | 80.2 | 77.2 | 0.8 | 0.72 | 0.57 | 2.5 | 3.53 | 2.6 | 5.5 | 2.7 | 61 | 11.2 |
| S2A 90S | 1.5 | 2830 | 0.0016 | 81.3 | 80.6 | 79.9 | 0.82 | 0.78 | 0.67 | 3.3 | 5.06 | 2.6 | 5.5 | 2.6 | 65 | 13.9 |
| S2A 90L | 2.2 | 2880 | 0.0023 | 83.2 | 83.6 | 83.1 | 0.82 | 0.78 | 0.67 | 4.7 | 7.29 | 2.6 | 5.8 | 2.6 | 65 | 15.9 |
| S2A 100L | 3 | 2880 | 0.0042 | 84.6 | 84.7 | 83.2 | 0.84 | 0.78 | 0.67 | 6.1 | 9.95 | 2.4 | 6.2 | 2.5 | 69 | 23.8 |
| S2A 112MT-a | 4 | 2910 | 0.0056 | 85.8 | 86.3 | 86 | 0.84 | 0.78 | 0.67 | 8.0 | 13.13 | 2.3 | 6.8 | 2.6 | 69 | 28 |
| S2A 132S-a | 5.5 | 2880 | 0.0112 | 87 | 86.7 | 84.7 | 0.9 | 0.87 | 0.8 | 10.2 | 18.24 | 2.2 | 6.8 | 2.5 | 69 | 43.3 |
| S2A 132S-b | 7.5 | 2920 | 0.0146 | 87 | 87.6 | 87.2 | 0.9 | 0.88 | 0.82 | 13.8 | 24.5 | 2.3 | 7 | 2.6 | 71 | 49.5 |
| S2A 160M-a | 11 | 2935 | 0.031 | 89.4 | 89.5 | 87.7 | 0.88 | 0.85 | 0.77 | 20.2 | 36 | 2 | 6.2 | 2.8 | 71 | 76 |
| S2A 160M-b | 15 | 2936 | 0.041 | 90.3 | 90.5 | 89.4 | 0.89 | 0.85 | 0.78 | 27.0 | 49 | 2.3 | 6.7 | 2.8 | 72 | 90 |
| S2A 160L | 18.5 | 2938 | 0.048 | 90.9 | 91 | 90.3 | 0.89 | 0.85 | 0.78 | 33.0 | 60 | 2.4 | 7.2 | 2.9 | 72 | 110 |
| S2A 180MT | 22 | 2938 | 0.055 | 91.3 | 91.5 | 90 | 0.89 | 0.86 | 0.79 | 39.1 | 72 | 2.6 | 7.2 | 2.9 | 72 | 116 |
| S2A 200LT-a | 30 | 2945 | 0.105 | 92 | 92 | 91 | 0.91 | 0.89 | 0.85 | 51.8 | 97 | 2 | 7 | 2.8 | 81 | 162 |
| S2A 200LT-b | 37 | 2947 | 0.126 | 92.5 | 92.6 | 91.3 | 0.91 | 0.89 | 0.85 | 63.5 | 120 | 2.2 | 7 | 3 | 81 | 184 |
| S2A 225MT ⁽¹⁾ | 45 | 2960 | 0.18 | 92.9 | 92.9 | 91.4 | 0.9 | 0.88 | 0.8 | 77.8 | 145 | 2.6 | 7.5 | 3 | 81 | 222 |
| S2A 250MT | 55 | 2965 | 0.29 | 93.2 | 92.1 | 90.3 | 0.9 | 0.88 | 0.81 | 94.8 | 177 | 2.6 | 7.5 | 3 | 81 | 280 |
| S2A 280ST | 75 | 2965 | 0.553 | 93.8 | 93.3 | 91.1 | 0.9 | 0.88 | 0.84 | 128.4 | 242 | 2.4 | 7.2 | 2.7 | 84 | 408 |
| S2A 280MT | 90 | 2968 | 0.664 | 94.1 | 93.7 | 92 | 0.9 | 0.88 | 0.88 | 153.6 | 290 | 2.4 | 7.2 | 2.8 | 84 | 495 |
| S2A 315ST | 110 | 2970 | 0.751 | 94.3 | 94.8 | 93 | 0.9 | 0.88 | 0.89 | 187.3 | 354 | 2.6 | 7.5 | 2.8 | 84 | 553 |
| S2A 315Ma | 132 | 2875 | 1.53 | 94.6 | 94.7 | 93.2 | 0.9 | 0.88 | 0.84 | 224 | 438 | 1.9 | 7 | 2.3 | 87 | 692 |
| S2A 315Mb | 160 | 2875 | 1.83 | 94.8 | 94.7 | 94.3 | 0.9 | 0.89 | 0.86 | 271 | 531 | 1.9 | 7 | 2.3 | 87 | 764 |
| S2A 315Mc | 200 | 2875 | 1.83 | 95 | 94.9 | 93.5 | 0.9 | 0.89 | 0.86 | 338 | 664 | 2 | 7 | 2.3 | 87 | 860 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L | 250 | 2983 | 3.5 | 95.1 | 94 | 93.5 | 0.91 | 0.9 | 0.87 | 417 | 800 | 2 | 7 | 2.3 | 88 | 1200 |
| S2S 355L-a | 280 | 2980 | 4.2 | 95.1 | 94.1 | 93.5 | 0.91 | 0.9 | 0.87 | 468 | 898 | 2 | 7 | 2.3 | 88 | 1280 |
| S2S 355L-b | 315 | 2980 | 4.5 | 95.1 | 94.1 | 93.3 | 0.91 | 0.9 | 0.87 | 526 | 1010 | 2.3 | 7.5 | 2.5 | 88 | 1600 |
| S2S 355Lx-a | 355 | 2980 | 3.2 | 95.1 | 94.1 | 93.3 | 0.9 | 0.9 | 0.87 | 599 | 1202 | 2.2 | 7.5 | 2.4 | 89 | 1870 |
| S2S 355Lx-ab | 400 | 2985 | 7.7 | 95.2 | 94.2 | 93.4 | 0.9 | 0.9 | 0.87 | 675 | 1280 | 2.2 | 7.5 | 2.4 | 89 | 2000 |
| S2S 355Lx-c | 450 | 2985 | 8.4 | 95.2 | 94.2 | 93.4 | 0.9 | 0.9 | 0.87 | 759 | 1440 | 2.2 | 7.5 | 2.4 | 89 | 2150 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 80-b | 1.1 | 2975 | 0.0020 | 79.6 | 80.2 | 77.2 | 0.8 | 0.72 | 0.57 | 2.5 | 3.53 | 2.6 | 5.5 | 2.7 | 61 | 11.2 |
| S2A 90S | 1.5 | 2830 | 0.0016 | 81.3 | 80.6 | 79.9 | 0.82 | 0.78 | 0.67 | 3.3 | 5.06 | 2.6 | 5.5 | 2.6 | 65 | 13.9 |
| S2A 90L | 2.2 | 2880 | 0.0023 | 83.2 | 83.6 | 83.1 | 0.82 | 0.78 | 0.67 | 4.7 | 7.29 | 2.6 | 5.8 | 2.6 | 65 | 15.9 |
| S2A 100L-a | 3 | 2880 | 0.0042 | 84.6 | 84.7 | 83.2 | 0.84 | 0.78 | 0.67 | 6.1 | 9.95 | 2.4 | 6.2 | 2.5 | 69 | 23.8 |
| S2A 100L-b | 3 | 1425 | 0.008 | 85.5 | 85.8 | 84.9 | 0.8 | 0.74 | 0.62 | 6.3 | 20.10 | 2 | 5 | 2.2 | 56 | 26.2 |
| S2A 112M | 4 | 2910 | 0.0056 | 85.8 | 86.3 | 86 | 0.84 | 0.78 | 0.67 | 8.0 | 13.13 | 2.3 | 6.8 | 2.6 | 69 | 28 |
| S2A 132S | 5.5 | 1452 | 0.023 | 87.7 | 87.9 | 87 | 0.8 | 0.72 | 0.61 | 11.3 | 36.2 | 1.8 | 5.5 | 2.5 | 56 | 48 |
| S2A 132M | 7.5 | 1456 | 0.034 | 88.7 | 88.9 | 88 | 0.81 | 0.73 | 0.62 | 15.1 | 49.2 | 2 | 5.8 | 2.6 | 59 | 58 |
| S2A 132M-b | 9.2 | 1457 | 0.037 | 89.3 | 89.3 | 88.4 | 0.81 | 0.73 | 0.6 | 18.38 | 60.3 | 2 | 5.9 | 2.7 | 59 | 65.2 |
| S2A 160M | 11 | 1463 | 0.076 | 89.8 | 90 | 89.8 | 0.83 | 0.76 | 0.63 | 21.3 | 71.8 | 2.4 | 5.8 | 2.5 | 59 | 85.5 |
| S2A 160L | 15 | 1463 | 0.093 | 90.6 | 91 | 90.6 | 0.83 | 0.76 | 0.63 | 28.8 | 97.9 | 2.6 | 6 | 2.6 | 63 | 104 |
| S2A 180MT | 18.5 | 1465 | 0.11 | 91.2 | 91.4 | 91.1 | 0.83 | 0.77 | 0.63 | 35 | 120.6 | 2.5 | 6 | 2.5 | 63 | 125 |
| S2A 180L | 22 | 1465 | 0.153 | 91.6 | 92 | 91.6 | 0.87 | 0.83 | 0.74 | 40 | 143.4 | 2.2 | 6 | 2.6 | 63 | 155 |
| S2A 200LT | 30 | 1465 | 0.195 | 92.3 | 92.6 | 92.2 | 0.87 | 0.83 | 0.74 | 54 | 195.5 | 2.2 | 6.2 | 2.8 | 66 | 186 |
| S2A 225ST | 37 | 1470 | 0.352 | 92.7 | 92.7 | 92 | 0.87 | 0.83 | 0.74 | 66 | 240.3 | 2.6 | 7.1 | 2.9 | 66 | 230 |
| S2A 225M | 45 | 1474 | 0.429 | 93.1 | 93.2 | 93 | 0.88 | 0.82 | 0.74 | 79 | 292 | 2.6 | 7.5 | 2.9 | 66 | 263 |
| S2A 250MT | 55 | 1475 | 0.55 | 93.5 | 93.4 | 93 | 0.88 | 0.84 | 0.75 | 97 | 356 | 2.8 | 7.6 | 3 | 66 | 315 |
| S2A 280ST | 75 | 1480 | 1.25 | 94 | 93.8 | 93.7 | 0.88 | 0.85 | 0.76 | 131 | 484 | 2.6 | 7 | 2.6 | 70 | 407 |
| S2A 280MT | 90 | 1480 | 1.48 | 94.2 | 94 | 93.8 | 0.88 | 0.85 | 0.76 | 157 | 581 | 2.6 | 7 | 2.6 | 70 | 474 |
| S2A 315M-a | 110 | 1488 | 2.6 | 94.5 | 94.3 | 93.3 | 0.86 | 0.83 | 0.74 | 196 | 706 | 2.6 | 7 | 2.6 | 80 | 660 |
| S2A 315M-b | 132 | 1488 | 3.2 | 94.7 | 94.7 | 94 | 0.86 | 0.83 | 0.74 | 234 | 847 | 2.6 | 7.2 | 2.6 | 80 | 733 |
| S2A 315M-c | 160 | 1488 | 3.9 | 94.9 | 94.8 | 94 | 0.88 | 0.85 | 0.78 | 277 | 1027 | 2.7 | 7.2 | 2.7 | 80 | 848 |
| S2A 315M-d | 200 | 1485 | 4.7 | 95.1 | 95 | 94.2 | 0.88 | 0.85 | 0.78 | 345 | 1286 | 2.7 | 7.2 | 2.8 | 80 | 1026 |
| Serie S2S - CS (carcassa in acciaio) - S2S - CS Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L-a | 250 | 1492 | 5.5 | 95.1 | 94.4 | 92.4 | 0.87 | 0.85 | 0.75 | 437 | 1600 | 1.4 | 6.4 | 2.4 | 84 | 1360 |
| S2S 355L-b | 280 | 1492 | 5.8 | 95.1 | 94.6 | 93 | 0.88 | 0.84 | 0.77 | 483 | 1792 | 1.4 | 6.4 | 2.4 | 84 | 1490 |
| S2S 355L-c | 315 | 1492 | 6.6 | 95.3 | 94.7 | 93 | 0.88 | 0.85 | 0.77 | 543 | 2016 | 1.4 | 6.5 | 2.4 | 84 | 1680 |
| S2S 355Lx-a ^(*) | 355 | 1492 | 10.0 | 95.3 | 94.8 | 93.3 | 0.89 | 0.87 | 0.81 | 605 | 2272 | 1.3 | 6.8 | 2.8 | 84 | 1850 |
| S2S 355Lx-b ^(*) | 400 | 1492 | 11.8 | 95.5 | 94.9 | 93.7 | 0.89 | 0.88 | 0.81 | 680 | 2560 | 1.4 | 7 | 2.8 | 84 | 2060 |
| S2S 355Lx-c ^(*) | 450 | 1492 | 13.6 | 95.7 | 95.2 | 94 | 0.90 | 0.87 | 0.81 | 755 | 2880 | 1.4 | 7 | 2.8 | 84 | 2260 |
| S2S 355Lx-d ^(*) | 500 | 1492 | 15.9 | 95.8 | 95.2 | 94 | 0.90 | 0.87 | 0.81 | 838 | 3200 | 1.4 | 7 | 2.8 | 84 | 2520 |

^(*) Sovratemperatura classe F

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

^(*) Temperature rise class F

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|--|------------------|-------------------|-------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S2A (carcasa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 90S | 0.75 | 925 | 0.005 | 75.9 | 74 | 68 | 0.66 | 0.55 | 0.4 | 2.16 | 7.742 | 2.5 | 5 | 2.9 | 54 | 13.5 |
| S2A 90L | 1.1 | 925 | 0.006 | 78.1 | 76 | 72 | 0.7 | 0.59 | 0.43 | 2.9 | 11.36 | 2.8 | 5.2 | 3 | 54 | 16.5 |
| S2A 100L | 1.5 | 950 | 0.013 | 79.8 | 77 | 72 | 0.71 | 0.58 | 0.44 | 3.8 | 15.08 | 2.1 | 4.7 | 2.5 | 57 | 25 |
| S2A 112M | 2.2 | 950 | 0.018 | 81.8 | 82 | 78 | 0.71 | 0.59 | 0.45 | 5.5 | 22.11 | 2.2 | 5.8 | 2.6 | 57 | - |
| S2A 132S | 3 | 955 | 0.029 | 83.3 | 83.3 | 81.2 | 0.72 | 0.61 | 0.47 | 7.2 | 30 | 2.2 | 5.6 | 2.8 | 60 | 45.5 |
| S2A 132M-a | 4 | 955 | 0.039 | 84.6 | 84.6 | 82.6 | 0.72 | 0.62 | 0.48 | 9.5 | 40 | 2.3 | 6 | 2.9 | 60 | 52.5 |
| S2A 132M-b | 5.5 | 955 | 0.051 | 86 | 86 | 84.3 | 0.73 | 0.63 | 0.49 | 12.7 | 54.99 | 2.4 | 6 | 3 | 60 | 69 |
| S2A 160M | 7.5 | 960 | 0.104 | 87.2 | 87.2 | 0.86 | 0.78 | 0.68 | 0.54 | 15.9 | 74.6 | 2.6 | 7 | 3 | 63 | 88 |
| S2A 160L | 11 | 965 | 0.123 | 88.7 | 88.4 | 87.2 | 0.78 | 0.69 | 0.54 | 23.0 | 108.8 | 2.6 | 7.4 | 3 | 63 | 114 |
| S2A 180LT | 15 | 970 | 0.16 | 89.7 | 89.2 | 87.8 | 0.78 | 0.69 | 0.54 | 31 | 147.7 | 2.7 | 7.5 | 3 | 63 | 125 |
| S2A 200L-a | 18.5 | 980 | 0.38 | 90.4 | 90.6 | 89 | 0.86 | 0.81 | 0.7 | 34 | 180.3 | 2.5 | 6.8 | 2.8 | 68 | 134 |
| S2A 200L-b | 22 | 980 | 0.45 | 90.9 | 91 | 89.9 | 0.86 | 0.81 | 0.7 | 41 | 214.4 | 2.7 | 7 | 2.9 | 68 | 155 |
| S2A 225M | 30 | 980 | 0.72 | 91.7 | 91.9 | 91.1 | 0.82 | 0.76 | 0.62 | 58 | 292.3 | 2.6 | 7 | 2.9 | 72 | 295 |
| S2A 250MT | 37 | 980 | 0.864 | 92.2 | 92.3 | 91.7 | 0.82 | 0.76 | 0.62 | 71 | 360.5 | 2.6 | 7 | 2.9 | 73 | 332 |
| S2A 280ST | 45 | 985 | 1.72 | 92.7 | 92.4 | 91.7 | 0.83 | 0.78 | 0.67 | 85 | 436.2 | 2.3 | 6 | 2.3 | 75 | 421 |
| S2A 280MT | 55 | 985 | 2.17 | 93.1 | 92.7 | 91.7 | 0.83 | 0.78 | 0.68 | 103 | 533.2 | 2.4 | 6 | 2.3 | 75 | 490 |
| S2A 315ST | 75 | 985 | 2.68 | 93.7 | 93.2 | 92.3 | 0.83 | 0.78 | 0.68 | 139 | 727.1 | 2.4 | 6 | 2.3 | 75 | 565 |
| S2A 315M-a | 90 | 988 | 3.14 | 94 | 93.5 | 92.4 | 0.83 | 0.8 | 0.68 | 167 | 870 | 2.4 | 6.5 | 2.7 | 82 | 672 |
| S2A 315M-b | 110 | 988 | 3.73 | 94.3 | 93.9 | 93.1 | 0.84 | 0.8 | 0.7 | 201 | 1063 | 2.4 | 6.5 | 2.7 | 82 | 730 |
| S2A 315M-c | 132 | 988 | 4.7 | 94.6 | 94.2 | 93.2 | 0.84 | 0.8 | 0.7 | 240 | 1276 | 2.7 | 7 | 2.9 | 82 | 910 |
| S2A 315M-d | 160 | 988 | 5.7 | 94.8 | 94.4 | 93.5 | 0.84 | 0.81 | 0.7 | 290 | 1546 | 2.7 | 7 | 2.9 | 82 | 1100 |
| Serie S2S (carcasa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L | 200 | 990 | 6.4 | 95 | 94.9 | 94.4 | 0.86 | 0.83 | 0.74 | 354 | 1929 | 1.9 | 5.6 | 2.2 | 82 | 1370 |
| S2S 355L-a ^(*) | 250 | 990 | 7.9 | 95.1 | 95.2 | 94.6 | 0.86 | 0.83 | 0.75 | 442 | 2411 | 2.2 | 5.6 | 2.2 | 82 | 1572 |
| S2S 355L-b ^(*) | 280 | 990 | 8.7 | 95.1 | 95.3 | 94.6 | 0.86 | 0.83 | 0.75 | 495 | 2701 | 2.2 | 5.8 | 2.3 | 82 | 1660 |
| S2S 355L-c ^(*) | 315 | 990 | 9.8 | 95 | 95.2 | 94.6 | 0.86 | 0.83 | 0.75 | 557 | 3038 | 1.2 | 5.6 | 2.3 | 82 | 1800 |
| S2S 355Lx-a ^(*) | 355 | 990 | 19.8 | 95.5 | 95.5 | 95.4 | 0.89 | 0.87 | 0.79 | 604 | 3424 | 1.4 | 6 | 2.5 | 82 | 2060 |
| S2S 355Lx-b ^(*) | 400 | 990 | 22.3 | 95.5 | 95.6 | 95.5 | 0.89 | 0.87 | 0.79 | 680 | 3858 | 1.4 | 6 | 2.6 | 82 | 2254 |

^(*) Sovratemperatura classe F

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

^(*) Temperature rise class F

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|---------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|--------------------|---|
| | kW | giri/min rpm | | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 80-a | 0.75 | 2860 | 0.00145 | 80.7 | 80 | 0.76 | 0.87 | 0.85 | 0.78 | 1.5 | 2.504 | 2.6 | 6 | 2.8 | 60 | 11.2 |
| S3A 80-b | 1.1 | 2875 | 0.0020 | 82.7 | 82.5 | 0.8 | 0.88 | 0.72 | 0.79 | 2.2 | 3.654 | 2.7 | 6 | 2.8 | 60 | 13.2 |
| S3A 90S | 1.5 | 2937 | 0.0016 | 84.2 | 83.4 | 81 | 0.76 | 0.64 | 0.64 | 3.4 | 4.877 | 3 | 6.2 | 3.2 | 64 | 13.9 |
| S3A 90L | 2.2 | 2840 | 0.0022 | 85.9 | 85.4 | 84.3 | 0.86 | 0.81 | 0.69 | 4.3 | 7.397 | 3 | 6.7 | 3 | 64 | 15.9 |
| S3A 100L | 3 | 2900 | 0.0054 | 87.1 | 87.1 | 86.8 | 0.86 | 0.81 | 0.7 | 5.8 | 9.88 | 2.4 | 6.7 | 3 | 68 | 28 |
| S3A 112M | 4 | 2895 | 0.0083 | 88.1 | 88 | 86.8 | 0.86 | 0.81 | 0.7 | 7.6 | 13.19 | 2.3 | 6.7 | 3 | 68 | 33 |
| S3A 132S-b | 5.5 | 2910 | 0.0143 | 89.2 | 89.3 | 98.0 | 0.89 | 0.87 | 0.81 | 10.0 | 18.05 | 2.3 | 7 | 3 | 70 | 49.5 |
| S3A 132S-b | 7.5 | 2930 | 0.016 | 90.1 | 91 | 89.4 | 0.89 | 0.87 | 0.81 | 13.5 | 24.4 | 2.2 | 7 | 3 | 70 | 53 |
| S3A 160M-a | 11 | 2947 | 0.041 | 91.2 | 91 | 89.4 | 0.9 | 0.88 | 0.81 | 19.4 | 36 | 2.8 | 8.3 | 3.4 | 70 | 90 |
| S3A 160M-b | 15 | 2947 | 0.048 | 91.9 | 91.8 | 90.0 | 0.89 | 0.86 | 0.78 | 26.5 | 49 | 2.8 | 8 | 3.4 | 70 | 110 |
| S3A 160L | 18.5 | 2948 | 0.055 | 92.4 | 92.0 | 90.6 | 0.88 | 0.85 | 0.74 | 32.9 | 60 | 2.8 | 7.5 | 3 | 70 | 116 |
| S3A 180L-T | 22 | 2960 | 0.060 | 92.7 | 92 | 91.1 | 0.89 | 0.86 | 0.78 | 38.5 | 71 | 2.6 | 7.7 | 3.4 | 71 | 160 |
| S3A 200LT | 30 | 2960 | 0.126 | 93.3 | 93.2 | 92.1 | 0.9 | 0.87 | 0.80 | 51.6 | 97 | 2.6 | 7.8 | 3.5 | 78 | 184 |
| S3A 200L | 37 | 2965 | 0.182 | 93.7 | 93.3 | 92 | 0.9 | 0.87 | 0.80 | 63.4 | 119 | 2.6 | 7.8 | 3.3 | 78 | 220 |
| S3A 225MT | 45 | 2965 | 0.182 | 94.0 | 93.4 | 92.4 | 0.9 | 0.88 | 0.81 | 76.0 | 145 | 2.6 | 7.8 | 3.2 | 78 | 220 |
| S3A 250MT | 55 | 2970 | 0.349 | 94.3 | 93.7 | 92.5 | 0.9 | 0.89 | 0.84 | 92.6 | 177 | 2.7 | 7.5 | 3 | 78 | 330 |
| S3A 280ST | 75 | 2970 | 0.707 | 94.7 | 94.6 | 93.8 | 0.91 | 0.90 | 0.87 | 126 | 241 | 2.3 | 7 | 2.7 | 82 | 495 |
| S3A 280MT | 90 | 2970 | 0.840 | 95 | 94.7 | 93.7 | 0.91 | 0.90 | 0.87 | 150 | 289 | 2.6 | 7.5 | 3 | 82 | 550 |
| S3A 315S | 110 | 2973 | 1.531 | 95.2 | 94.8 | 93.7 | 0.91 | 0.9 | 0.87 | 183 | 353 | 1.9 | 6.8 | 2.4 | 84 | 750 |
| S3A 315Ma | 132 | 2973 | 1.837 | 95.4 | 95.1 | 94.2 | 0.91 | 0.9 | 0.89 | 220 | 424 | 2 | 7 | 2.4 | 84 | 810 |
| S3A 315Md | 160 | 2973 | 2.143 | 95.6 | 95.5 | 94.8 | 0.91 | 0.91 | 0.9 | 266 | 514 | 2.1 | 6.8 | 2.5 | 84 | 916 |
| S3A 315Me | 200 | 2975 | 2.449 | 95.8 | 95.7 | 95.4 | 0.91 | 0.91 | 0.89 | 332 | 642 | 2.2 | 7 | 2.5 | 84 | 1005 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-a | 250 | 2982 | 4.35 | 95.8 | 95.5 | 94.6 | 0.91 | 0.91 | 0.88 | 414 | 801 | 2.2 | 7 | 2.3 | 85 | 1560 |
| S3S 355L-b | 280 | 2983 | 4.69 | 95.8 | 95.6 | 94.8 | 0.91 | 0.91 | 0.88 | 464 | 898 | 2.4 | 7.4 | 2.4 | 85 | 1720 |
| S3S 355Lx-a | 315 | 2985 | 6.23 | 95.8 | 95.7 | 94.8 | 0.91 | 0.91 | 0.89 | 522 | 1010 | 1.5 | 6.5 | 2.3 | 85 | 1800 |
| S3S 355Lx-b | 355 | 2985 | 6.82 | 95.8 | 95.7 | 95.1 | 0.91 | 0.9 | 0.89 | 588 | 1202 | 1.6 | 6.7 | 2.4 | 85 | 1900 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 80-b | 0.75 | 1360 | 0.0019 | 82.5 | 79 | 78 | 0.73 | 0.69 | 0.58 | 1.8 | 5.27 | 2.3 | 5 | 2.3 | 50 | 11 |
| S3A 90S | 1.1 | 1428 | 0.0034 | 84.1 | 83 | 79 | 0.74 | 0.64 | 0.48 | 2.6 | 7.36 | 2.8 | 5.8 | 3.1 | 51 | 16 |
| S3A 90L | 1.5 | 1430 | 0.0040 | 85.3 | 84 | 81 | 0.75 | 0.65 | 0.5 | 3.4 | 10.02 | 3 | 6 | 3.2 | 51 | 18.4 |
| S3A 100L-a | 2.2 | 1435 | 0.0083 | 86.7 | 86.3 | 84.3 | 0.75 | 0.66 | 0.52 | 4.9 | 14.64 | 2.7 | 6.4 | 3.4 | 54 | 26.2 |
| S3A 100L-b | 3 | 1425 | 0.0097 | 85.5 | 85.8 | 84.9 | 0.78 | 0.73 | 0.62 | 6.5 | 20.10 | 2.8 | 6.6 | 3.5 | 54 | 29 |
| S3A 112M | 4 | 1435 | 0.0198 | 88.6 | 88.3 | 87.0 | 0.78 | 0.70 | 0.56 | 8.4 | 26.62 | 2.8 | 6.5 | 3 | 54 | 48 |
| S3A 132sa | 5.5 | 1463 | 0.033 | 89.6 | 89.6 | 88.4 | 0.78 | 0.70 | 0.56 | 11.4 | 35.9 | 2.3 | 6.5 | 2.8 | 54 | 58 |
| S3A 132Ma | 7.5 | 1463 | 0.037 | 90.4 | 90.0 | 88.0 | 0.78 | 0.70 | 0.57 | 15.37 | 49.0 | 2.2 | 6.5 | 2.8 | 54 | 65 |
| S3A 160M | 11 | 1470 | 0.092 | 91.4 | 91.4 | 91.0 | 0.81 | 0.75 | 0.62 | 21.5 | 71.5 | 2.8 | 6.3 | 2.7 | 58 | 104 |
| S3A 160L | 15 | 1470 | 0.108 | 92.1 | 92.0 | 91.8 | 0.84 | 0.79 | 0.70 | 28.0 | 97.4 | 2.8 | 6.3 | 2.6 | 62 | 125 |
| S3A 180MT | 18.5 | 1470 | 0.117 | 92.6 | 92.2 | 92.0 | 0.8 | 0.79 | 0.68 | 35 | 120.2 | 2.8 | 6.3 | 2.6 | 62 | 133 |
| S3A 180L | 22 | 1471 | 0.194 | 93 | 92.7 | 91.3 | 0.82 | 0.77 | 0.65 | 42 | 142.8 | 2.8 | 7.4 | 3.2 | 62 | 180 |
| S3A 200L | 30 | 1471 | 0.373 | 93.6 | 93.4 | 92.6 | 0.86 | 0.82 | 0.70 | 54 | 194.7 | 2.8 | 7.4 | 3 | 64 | 230 |
| S3A 225ST | 37 | 1473 | 0.397 | 93.9 | 93.4 | 92.6 | 0.86 | 0.82 | 0.7 | 66 | 239.9 | 2.8 | 7.8 | 3.2 | 64 | 242 |
| S3A 225M | 45 | 1476 | 0.549 | 94.2 | 94.0 | 93.3 | 0.88 | 0.84 | 0.73 | 78 | 291 | 3 | 8 | 3.4 | 64 | 310 |
| S3A 250M | 55 | 1480 | 0.977 | 94.6 | 94.4 | 93.8 | 0.88 | 0.84 | 0.77 | 95 | 355 | 2.6 | 6.4 | 2.6 | 65 | 360 |
| S3A 280ST | 75 | 1480 | 1.486 | 95 | 94.8 | 94.5 | 0.88 | 0.85 | 0.78 | 130 | 484 | 2.8 | 6.5 | 2.6 | 69 | 474 |
| S3A 280MT | 90 | 1482 | 1.720 | 95.2 | 95.1 | 94.5 | 0.88 | 0.85 | 0.78 | 155 | 580 | 2.8 | 6.8 | 2.7 | 69 | 532 |
| S3A 315S | 110 | 1484 | 3.310 | 95.4 | 95.4 | 94.6 | 0.88 | 0.86 | 0.80 | 189 | 708 | 2.5 | 7 | 2.5 | 78 | 733 |
| S3A 315M-b | 132 | 1487 | 3.310 | 95.5 | 95.8 | 95.4 | 0.88 | 0.86 | 0.80 | 227 | 848 | 2.4 | 7 | 2.5 | 78 | 733 |
| S3A 315M-c | 160 | 1485 | 3.972 | 95.8 | 95.8 | 95.3 | 0.88 | 0.86 | 0.80 | 274 | 1029 | 2.7 | 7.6 | 2.7 | 78 | 848 |
| S3A 315M-d | 200 | 1486 | 4.800 | 96.0 | 95.9 | 95.6 | 0.88 | 0.86 | 0.78 | 342 | 1285 | 2.7 | 8.2 | 2.9 | 78 | 1026 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-b | 250 | 1488 | 4.760 | 96.0 | 96.0 | 95.2 | 0.88 | 0.86 | 0.77 | 428 | 1604 | 2.6 | 7 | 2.5 | 84 | 1480 |
| S3S 355L-c | 315 | 1488 | 5.752 | 96 | 96 | 95.5 | 0.88 | 0.87 | 0.80 | 539 | 2021 | 2.6 | 7 | 2.5 | 84 | 1680 |
| S3S 355Lx-a | 355 | 1492 | 11.657 | 96 | 96 | 95.6 | 0.89 | 0.88 | 0.83 | 600 | 2272 | 2 | 6.2 | 2.4 | 84 | 1960 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|-------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 90S | 0.75 | 926 | 0.0060 | 78.9 | 77 | 72 | 0.67 | 0.56 | 0.42 | 2.05 | 7.7 | 2.8 | 4.8 | 2.9 | 54 | 11 |
| S3A 90L | 1.1 | 925 | 0.0072 | 81 | 80 | 77 | 0.69 | 0.58 | 0.44 | 2.8 | 11.4 | 3 | 5 | 3.2 | 54 | 13.6 |
| S3A 100L | 1.5 | 950 | 0.0134 | 82.5 | 81 | 77 | 0.69 | 0.58 | 0.44 | 3.8 | 15.1 | 2.4 | 5.2 | 2.8 | 56 | 25 |
| S3A 112M | 2.2 | 950 | 0.0242 | 84.3 | 83.5 | 81 | 0.72 | 0.63 | 0.5 | 5.2 | 22.1 | 2.3 | 5.8 | 2.6 | 56 | 44 |
| S3A 132S | 3 | 954 | 0.0389 | 85.6 | 85.5 | 84 | 0.75 | 0.67 | 0.53 | 6.8 | 30.0 | 2.2 | 6 | 2.8 | 59 | 52.5 |
| S3A 132M-a | 4 | 956 | 0.0511 | 86.8 | 86.8 | 85.6 | 0.76 | 0.67 | 0.53 | 8.8 | 40.0 | 2.3 | 6 | 2.9 | 59 | 69 |
| S3A132M-b | 5.5 | 957 | 0.0584 | 88 | 87.6 | 86.4 | 0.76 | 0.67 | 0.53 | 11.9 | 54.9 | 2.4 | 6.3 | 3 | 59 | 77 |
| S3A 160M | 7.5 | 960 | 0.135 | 89.1 | 89 | 88.9 | 0.82 | 0.76 | 0.63 | 14.8 | 74.6 | 2.6 | 7.5 | 2.9 | 63 | 104 |
| S3A 160L | 11 | 965 | 0.159 | 90.3 | 90.2 | 89.6 | 0.8 | 0.73 | 0.6 | 22.0 | 108.8 | 2.7 | 7.8 | 3 | 63 | 125 |
| S3A 180L | 15 | 981 | 0.330 | 91.2 | 91.2 | 90.0 | 0.8 | 0.73 | 0.62 | 28.3 | 146 | 2.8 | 6.5 | 2.8 | 63 | 163 |
| S3A 200LT | 18.5 | 981 | 0.377 | 91.7 | 91.6 | 91.3 | 0.85 | 0.80 | 0.68 | 34.3 | 180 | 2.7 | 6.7 | 2.8 | 68 | 180 |
| S3A 200L-b | 22 | 982 | 0.483 | 92.2 | 92.2 | 91.6 | 0.85 | 0.80 | 0.68 | 41 | 214 | 2.8 | 7 | 2.9 | 70 | 210 |
| S3A 225M | 30 | 983 | 0.92 | 92.9 | 92.7 | 92.4 | 0.85 | 0.80 | 0.69 | 55 | 291 | 2.7 | 7 | 2.9 | 72 | 310 |
| S3A 250M | 37 | 992 | 1.72 | 93.3 | 93.2 | 92.2 | 0.83 | 0.78 | 0.69 | 69 | 356 | 2.8 | 7 | 2.4 | 75 | 340 |
| S3A 280ST | 45 | 993 | 2.17 | 93.7 | 93.6 | 92.4 | 0.83 | 0.78 | 0.70 | 84 | 433 | 3 | 7.8 | 2.5 | 75 | 435 |
| S3A 280MT | 55 | 985 | 2.68 | 94.1 | 94.1 | 93.6 | 0.83 | 0.78 | 0.67 | 102 | 533 | 3 | 7.3 | 2.8 | 75 | 514 |
| S3A 315S | 75 | 988 | 3.14 | 94.6 | 94.4 | 93.7 | 0.84 | 0.78 | 0.68 | 136 | 725 | 2.5 | 6 | 2.3 | 82 | 672 |
| S3A 315M-a | 90 | 989 | 3.63 | 94.9 | 94.8 | 93.7 | 0.84 | 0.78 | 0.68 | 163 | 869 | 2.5 | 7 | 2.7 | 82 | 730 |
| S3A 315M-b | 110 | 989 | 4.71 | 95.1 | 95 | 94.4 | 0.84 | 0.79 | 0.69 | 199 | 1062 | 2.5 | 7 | 2.8 | 82 | 919 |
| S3A 315M-d | 132 | 989 | 5.69 | 95.4 | 95.3 | 94.9 | 0.84 | 0.8 | 0.721 | 238 | 1274 | 2.6 | 7 | 2.9 | 82 | 1100 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-a | 160 | 990 | 6.39 | 94.8 | 94.4 | 93.5 | 0.84 | 0.81 | 0.7 | 290 | 1543 | 1.8 | 5.8 | 2.4 | 82 | 1300 |
| S3S 355L-b | 200 | 990 | 7.98 | 95.8 | 95.3 | 94.7 | 0.86 | 0.83 | 0.75 | 351 | 1929 | 1.8 | 5.8 | 2.4 | 82 | 1584 |
| S3S 355L-c | 250 | 990 | 8.71 | 95.8 | 95.6 | 95 | 0.86 | 0.83 | 0.75 | 439 | 2411 | 1.9 | 6 | 2.5 | 82 | 1744 |
| S3S 355Lx-a | 280 | 992 | 11.50 | 95.8 | 95.7 | 95.1 | 0.83 | 0.8 | 0.72 | 509 | 2695 | 1.9 | 5.6 | 1.9 | 82 | 1960 |
| S3S 355Lx-b | 315 | 992 | 13.18 | 95.8 | 95.8 | 95.4 | 0.83 | 0.81 | 0.74 | 572 | 3032 | 1.9 | 5.6 | 1.9 | 82 | 2060 |
| S3S 355Lx-c | 355 | 992 | 14.38 | 95.8 | 95.8 | 95.7 | 0.83 | 0.81 | 0.74 | 645 | 3417 | 2 | 5.6 | 2 | 82 | 2200 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 200 - 200°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico - DAHLANDER

2-4 poli - 3.000-1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - single winding - DAHLANDER

2-4 poles - 3.000-1.500 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|------|---------|--------------------------|----|------------------------------------|------|--------------------------------------|------|----------------------------|------|-------------------------------------|-----------------|--|-----------------|------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 2p | 4p | 2p | 4p | 2p | | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 63 | 0.22 | 0.044 | 2670 | 1130 | 0.00024 | 58 | 53 | 0.87 | 0.75 | 0.63 | 0.16 | 0.79 | 0.32 | 1.4 | 1.5 | 3 | 2.6 | 1.5 | 1.6 | 3.8 |
| SA 63 | 0.26 | 0.051 | 2680 | 1340 | 0.00029 | 60 | 56 | 0.87 | 0.75 | 0.72 | 0.18 | 0.93 | 0.36 | 1.4 | 1.5 | 3 | 2.6 | 1.5 | 1.6 | 4.1 |
| SA 71 | 0.37 | 0.075 | 2750 | 1370 | 0.00035 | 70 | 56 | 0.88 | 0.78 | 0.87 | 0.25 | 1.29 | 0.5 | 1.4 | 1.8 | 3 | 2.6 | 1.5 | 1.9 | 5.7 |
| SA 71 | 0.55 | 0.11 | 2780 | 1390 | 0.00052 | 71 | 60 | 0.88 | 0.78 | 1.27 | 0.34 | 1.89 | 0.8 | 1.5 | 2 | 3.8 | 3.7 | 1.7 | 2.2 | 7 |
| SA 80 | 0.75 | 0.15 | 2810 | 1405 | 0.0015 | 71 | 66 | 0.86 | 0.75 | 1.78 | 0.44 | 2.55 | 1.0 | 1.7 | 1.9 | 3.8 | 3.5 | 1.8 | 2 | 8.4 |
| SA 80 | 0.95 | 0.25 | 2820 | 1415 | 0.0017 | 71 | 69 | 0.84 | 0.80 | 2.3 | 0.7 | 3.22 | 1.7 | 2.2 | 2 | 5 | 4.3 | 2.3 | 2.1 | 10 |
| SA 90S | 1.40 | 0.33 | 2820 | 1415 | 0.0022 | 71 | 69 | 0.85 | 0.83 | 3.4 | 0.8 | 4.74 | 2.2 | 1.8 | 1.9 | 4.5 | 3.9 | 2 | 2.1 | 11.9 |
| SA 90L | 1.84 | 0.37 | 2825 | 1415 | 0.0028 | 71 | 72 | 0.85 | 0.80 | 4.4 | 0.9 | 6.22 | 2.5 | 1.9 | 2.2 | 4.6 | 4.8 | 2.1 | 2.3 | 14.2 |
| SA 90L | 2 | 0.50 | 2830 | 1415 | 0.0032 | 72 | 73 | 0.84 | 0.82 | 4.8 | 1.2 | 6.75 | 3.4 | 2 | 2.1 | 4.6 | 4.5 | 2.2 | 2.4 | 15 |
| SA 100L | 2.5 | 0.65 | 2830 | 1400 | 0.0057 | 70 | 70 | 0.86 | 0.87 | 6 | 1.5 | 8.44 | 4.4 | 1.8 | 1.6 | 4.6 | 3.5 | 2 | 1.8 | 20 |
| SA 100L | 3.1 | 0.80 | 2845 | 1405 | 0.0071 | 73 | 70 | 0.86 | 0.89 | 7.1 | 1.9 | 10.4 | 5.4 | 2 | 1.8 | 5.2 | 4.7 | 2.2 | 2 | 22.4 |
| SA 112MT | 4.4 | 1.1 | 2860 | 1415 | 0.0092 | 79 | 71 | 0.85 | 0.87 | 9.5 | 2.6 | 14.7 | 7.4 | 2 | 1.8 | 5.5 | 4.9 | 2.2 | 2 | 27 |
| SA 132S | 5.9 | 1.45 | 2870 | 1435 | 0.0207 | 82 | 80 | 0.84 | 0.85 | 12.4 | 3.1 | 19.6 | 9.7 | 2 | 1.8 | 5.5 | 5.4 | 2.2 | 2 | 43 |
| SA 132M | 8 | 2 | 2875 | 1445 | 0.0282 | 84 | 82 | 0.84 | 0.85 | 16.4 | 4.1 | 26.6 | 13.2 | 2 | 1.8 | 6.2 | 6 | 2.2 | 2 | 50.3 |
| SA 160MT | 11.5 | 2.9 | 2875 | 1445 | 0.0395 | 86 | 85 | 0.85 | 0.86 | 23 | 5.7 | 38.2 | 19.2 | 2 | 1.8 | 7 | 6.9 | 2.2 | 2 | 69.5 |
| SA 160L | 15.5 | 3.8 | 2915 | 1460 | 0.0800 | 87 | 87 | 0.87 | 0.90 | 30 | 7.0 | 50.8 | 24.9 | 2.3 | 2.2 | 6.5 | 6.1 | 2.4 | 2.3 | 89 |
| SA 180MT | 18.5 | 4.0 | 2930 | 1465 | 0.0978 | 87 | 88 | 0.87 | 0.88 | 35 | 7.5 | 60.3 | 26.1 | 2.5 | 2.8 | 7.3 | 7.9 | 2.7 | 2.9 | 110 |
| SA 180LT | 22 | 4.4 | 2940 | 1470 | 0.124 | 87 | 88 | 0.87 | 0.88 | 42 | 8.2 | 71.5 | 28.6 | 2.6 | 2.9 | 7.5 | 8 | 2.8 | 3 | 128 |
| SA 200LT | 30 | 5.9 | 2940 | 1470 | 0.180 | 88 | 88 | 0.89 | 0.90 | 55 | 10.8 | 97.5 | 38.3 | 2.2 | 2.5 | 7.9 | 8.4 | 2.4 | 2.6 | 170 |
| SA 225ST | 37 | 7.5 | 2945 | 1475 | 0.345 | 88 | 87 | 0.89 | 0.90 | 68 | 13.8 | 120 | 48.6 | 2.3 | 2.4 | 8.3 | 8.3 | 2.5 | 2.6 | 220 |
| SA 225MT | 44 | 8.8 | 2945 | 1475 | 0.419 | 88 | 87 | 0.89 | 0.90 | 81 | 16.2 | 143 | 57 | 2.3 | 2.4 | 8.3 | 8.5 | 2.5 | 2.6 | 250 |
| SA 250MT | 55 | 11 | 2950 | 1480 | 0.541 | 89 | 89 | 0.90 | 0.89 | 99 | 20 | 178 | 71 | 2.3 | 2.6 | 8.3 | 8.7 | 2.5 | 2.8 | 340 |
| SA 280ST | 66 | 15 | 2960 | 1485 | 1.23 | 90 | 91 | 0.90 | 0.90 | 118 | 26 | 213 | 96.5 | 2.3 | 2.5 | 8.4 | 8.7 | 2.5 | 2.7 | 415 |
| SA 280MT | 85 | 18.4 | 2960 | 1485 | 1.39 | 90 | 91 | 0.90 | 0.90 | 152 | 32 | 274 | 118 | 2.2 | 2.4 | 8.2 | 8.5 | 2.4 | 2.6 | 470 |
| SA 315M | 96 | 22 | 2975 | 1485 | 2.68 | 90 | 91 | 0.88 | 0.84 | 175 | 42 | 308 | 142 | 2.4 | 2.7 | 8 | 8.1 | 2.5 | 2.8 | 590 |
| SA 315M | 110 | 26 | 2978 | 1487 | 2.58 | 90 | 91 | 0.88 | 0.84 | 201 | 49 | 353 | 167 | 2.5 | 2.8 | 8 | 8.1 | 2.6 | 2.9 | 720 |

Dati tecnici

F 200 - 200°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico - DAHLANDER

4-8 poli - 1.500-750 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - single winding - DAHLANDER

4-8 poles - 1.500-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|----|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 4p | 8p | 4p | 8p | 4p | | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.18 | 0.037 | 1385 | 685 | 0.00105 | 54 | 37 | 0.78 | 0.59 | 0.62 | 0.24 | 1.24 | 0.52 | 1.7 | 1.5 | 2.9 | 2.1 | 1.8 | 1.6 | 5.8 |
| SA 71 | 0.22 | 0.044 | 1390 | 690 | 0.00129 | 55 | 38 | 0.78 | 0.60 | 0.74 | 0.28 | 1.51 | 0.61 | 1.8 | 1.6 | 3 | 2.2 | 1.9 | 1.7 | 6.5 |
| SA 71 | 0.26 | 0.051 | 1390 | 690 | 0.00157 | 56 | 40 | 0.78 | 0.60 | 0.86 | 0.31 | 1.79 | 0.71 | 1.8 | 1.6 | 3 | 2.2 | 1.9 | 1.7 | 7.4 |
| SA 80 | 0.5 | 0.1 | 1395 | 695 | 0.00256 | 66 | 55 | 0.78 | 0.62 | 1 | 0.42 | 3.42 | 1.37 | 1.6 | 1.9 | 3.9 | 2.9 | 1.9 | 2 | 9.8 |
| SA 80 | 0.7 | 0.15 | 1395 | 695 | 0.00329 | 67 | 62 | 0.80 | 0.63 | 1.9 | 0.55 | 4.79 | 2.06 | 1.6 | 1.8 | 4.1 | 3 | 1.9 | 2 | 11.4 |
| SA 90S | 1.1 | 0.22 | 1410 | 690 | 0.0022 | 68 | 46 | 0.7 | 0.45 | 3.34 | 1.5 | 7.45 | 3.04 | 1.8 | 2.1 | 4.5 | 2.6 | 2.2 | 2.3 | 11.9 |
| SA 90L | 1.5 | 0.25 | 1410 | 690 | 0.0028 | 70 | 50 | 0.75 | 0.45 | 4.13 | 1.6 | 10.2 | 4.46 | 2 | 2.3 | 4.8 | 3 | 2.5 | 2.6 | 14.2 |
| SA 100L | 2.2 | 0.37 | 1410 | 695 | 0.0064 | 76 | 54 | 0.8 | 0.58 | 5.23 | 1.7 | 14.9 | 5.08 | 2 | 2 | 5.2 | 2.9 | 2.4 | 2.2 | 21.2 |
| SA 100L | 3 | 0.55 | 1415 | 695 | 0.0086 | 79 | 58 | 0.79 | 0.55 | 6.95 | 2.5 | 20.2 | 7.56 | 2.2 | 2 | 5.5 | 2.8 | 2.5 | 2.3 | 23.5 |
| SA 112M | 4.0 | 0.75 | 1430 | 700 | 0.0147 | 82 | 65 | 0.80 | 0.62 | 8.8 | 2.7 | 26.7 | 10.2 | 2.3 | 2 | 5.5 | 3 | 2.5 | 2.3 | 34 |
| SA 132S | 5.5 | 1.4 | 1430 | 700 | 0.0244 | 82 | 66 | 0.81 | 0.65 | 12.0 | 4.7 | 36.7 | 19.1 | 2.3 | 2 | 6 | 3.2 | 2.6 | 2.3 | 46.8 |
| SA 132M | 6.5 | 1.5 | 1430 | 705 | 0.028 | 84 | 67 | 0.81 | 0.63 | 13.8 | 5.1 | 43.4 | 21.7 | 2.4 | 2 | 6.4 | 3.5 | 2.7 | 2.4 | 50.3 |
| SA 132M | 7.5 | 1.8 | 1440 | 705 | 0.034 | 84 | 71 | 0.81 | 0.60 | 15.9 | 6.1 | 49.8 | 24.4 | 2.4 | 2 | 6.6 | 3.6 | 3 | 2.4 | 55.8 |
| SA 160MT | 9 | 2.2 | 1450 | 705 | 0.034 | 85 | 72 | 0.82 | 0.61 | 19 | 7.2 | 59.3 | 29.8 | 2.4 | 2.1 | 6.6 | 3.8 | 2.7 | 2.4 | 69.5 |
| SA 160M | 11 | 2.8 | 1460 | 715 | 0.039 | 85 | 72 | 0.82 | 0.70 | 22.8 | 8.0 | 72 | 37.4 | 2.4 | 1.7 | 6 | 4.0 | 2.3 | 1.7 | 71 |
| SA 160L | 13 | 3 | 1460 | 715 | 0.058 | 87 | 75 | 0.82 | 0.70 | 26.3 | 8.3 | 85.1 | 40.1 | 2.5 | 1.7 | 6 | 4.0 | 2.3 | 1.7 | 89 |
| SA 160L | 15 | 3.5 | 1460 | 720 | 0.058 | 88 | 77 | 0.86 | 0.71 | 28.6 | 9.3 | 98.1 | 50.4 | 2.5 | 1.7 | 6 | 4.2 | 2.3 | 1.7 | 110 |
| SA 180MT | 18.5 | 4.8 | 1460 | 720 | 0.080 | 88 | 79 | 0.86 | 0.71 | 35 | 12.4 | 121 | 59.7 | 2.5 | 1.7 | 6 | 4 | 2.3 | 1.7 | 119 |
| SA 180L | 22 | 5.3 | 1460 | 720 | 0.098 | 88 | 79 | 0.86 | 0.71 | 42 | 13.7 | 144 | 73 | 2 | 1.7 | 6 | 4 | 2.4 | 1.8 | 155 |
| SA 200LT | 30 | 7 | 1465 | 720 | 0.098 | 89 | 86 | 0.82 | 0.68 | 59 | 17.3 | 196 | 99.5 | 2.5 | 2 | 6.8 | 4.0 | 2.7 | 2.1 | 179 |
| SA 225ST | 37 | 9 | 1465 | 725 | 0.116 | 89 | 82 | 0.87 | 0.70 | 69 | 23 | 241 | 119 | 2.5 | 2 | 6.8 | 4.2 | 2.8 | 2 | 216 |
| SA 225MT | 45 | 11 | 1465 | 725 | 0.161 | 89 | 82 | 0.87 | 0.70 | 84 | 28 | 293 | 145 | 2.5 | 2 | 6.8 | 4.2 | 2.8 | 2 | 235 |
| SA 250MT | 50 | 12 | 1470 | 730 | 0.206 | 90 | 82 | 0.89 | 0.73 | 90 | 29 | 325 | 157 | 2.5 | 1.9 | 7.2 | 4.5 | 2.8 | 2 | 308 |
| SA 250MT | 56 | 14 | 1470 | 730 | 0.345 | 90 | 83 | 0.89 | 0.80 | 101 | 30.5 | 364 | 183 | 2.4 | 1.9 | 7.2 | 4.5 | 2.8 | 2 | 308 |
| SA 280ST | 60 | 15 | 1480 | 730 | 0.34 | 91 | 86 | 0.87 | 0.73 | 110 | 35 | 390 | 196 | 2.5 | 1.9 | 7 | 4.5 | 2.4 | 1.8 | 330 |
| SA 280MT | 75 | 19 | 1480 | 735 | 0.39 | 92 | 87 | 0.87 | 0.73 | 135 | 42.1 | 484 | 242 | 2.5 | 2 | 7 | 4.6 | 2.5 | 1.8 | 415 |
| SA 315ST | 90 | 22 | 1480 | 735 | 0.58 | 92 | 87 | 0.86 | 0.73 | 164 | 50.1 | 581 | 286 | 2.5 | 2 | 7.1 | 4.7 | 2.6 | 1.9 | 496 |
| SA 315M | 110 | 28 | 1485 | 740 | 0.58 | 92 | 87 | 0.87 | 0.73 | 199 | 63.7 | 710 | 364 | 2.6 | 2.1 | 7.4 | 6 | 3 | 2 | 628 |
| SA 315M | 132 | 33 | 1485 | 740 | 0.58 | 92 | 90 | 0.86 | 0.72 | 241 | 73.6 | 852 | 429 | 2.5 | 2 | 7.5 | 5.5 | 2 | 1.9 | 700 |

Dati tecnici

F 200 - 200°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - due avvolgimenti separati

4-6 poli - 1.500-1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

4-6 poles - 1.500-1.000 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 4p | 6p | 4p | 6p | 4p | | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.18 | 0.05 | 1410 | 950 | 0.00039 | 50 | 35 | 0.65 | 0.55 | 0.80 | 0.38 | 1.22 | 0.51 | 1.3 | 1.5 | 2.4 | 1.9 | 1.5 | 1.6 | 5.8 |
| SA 71 | 0.26 | 0.075 | 1415 | 960 | 0.00129 | 50 | 35 | 0.70 | 0.60 | 1.07 | 0.52 | 1.76 | 0.75 | 1.3 | 1.5 | 2.4 | 1.9 | 1.5 | 1.6 | 6.5 |
| SA 80 | 0.40 | 0.12 | 1405 | 940 | 0.00164 | 63 | 55 | 0.71 | 0.69 | 1.29 | 0.46 | 2.72 | 1.22 | 1.4 | 1.4 | 3 | 2.5 | 1.6 | 1.5 | 7.4 |
| SA 80 | 0.55 | 0.18 | 1420 | 950 | 0.00256 | 63 | 57 | 0.72 | 0.69 | 1.75 | 0.66 | 3.7 | 1.81 | 1.6 | 1.5 | 3.4 | 3 | 1.8 | 1.6 | 9.8 |
| SA 90S | 0.8 | 0.29 | 1425 | 955 | 0.00354 | 73 | 60 | 0.74 | 0.70 | 2.14 | 1 | 5.36 | 2.9 | 1.7 | 1.4 | 4.4 | 3.1 | 2 | 1.5 | 13.5 |
| SA 90L | 1.1 | 0.38 | 1425 | 955 | 0.00505 | 73 | 60 | 0.77 | 0.70 | 2.8 | 1.31 | 7.37 | 3.8 | 1.7 | 1.4 | 4.4 | 3.1 | 2 | 1.5 | 15.5 |
| SA 100L | 1.7 | 0.6 | 1425 | 950 | 0.0087 | 73 | 61 | 0.85 | 0.77 | 4.0 | 1.85 | 11.4 | 6.03 | 1.4 | 1.3 | 4.4 | 3.4 | 1.9 | 1.8 | 19.6 |
| SA 100L | 2.1 | 0.75 | 1430 | 955 | 0.012 | 75 | 61 | 0.84 | 0.77 | 4.85 | 2.3 | 14 | 7.5 | 1.5 | 1.3 | 5.3 | 3.5 | 2 | 1.8 | 23.5 |
| SA 112MT | 2.6 | 0.8 | 1430 | 955 | 0.014 | 75 | 63 | 0.85 | 0.77 | 5.9 | 2.4 | 17.4 | 8 | 1.6 | 1.4 | 5.5 | 3.6 | 2 | 1.8 | 26 |
| SA 112M | 3 | 0.9 | 1445 | 960 | 0.015 | 78 | 70 | 0.80 | 0.70 | 6.9 | 2.7 | 19.8 | 8.96 | 1.9 | 1.5 | 5.7 | 4.7 | 2.2 | 1.9 | 37 |
| SA 132S | 3.6 | 1.2 | 1450 | 965 | 0.031 | 82 | 74 | 0.82 | 0.75 | 7.7 | 3.1 | 23.7 | 11.9 | 1.9 | 1.5 | 6.7 | 5.1 | 2.4 | 2.3 | 45.5 |
| SA 132M | 5.5 | 1.7 | 1450 | 965 | 0.041 | 83 | 74 | 0.82 | 0.76 | 10.6 | 4.4 | 32.9 | 16.8 | 2 | 1.6 | 7 | 5.1 | 2.7 | 2.5 | 52.5 |
| SA 160MT | 7.2 | 2.5 | 1450 | 965 | 0.054 | 84 | 77 | 0.83 | 0.76 | 14.9 | 6.2 | 47.4 | 24.7 | 1.9 | 1.5 | 7 | 5.4 | 2.7 | 2.5 | 69 |
| SA 160L | 10 | 3.3 | 1450 | 980 | 0.109 | 85 | 80 | 0.87 | 0.70 | 19.5 | 8.5 | 65.9 | 32.2 | 1.6 | 1.5 | 6 | 5.5 | 2.2 | 1.9 | 82 |
| SA 180MT | 16 | 5.5 | 1450 | 982 | 0.129 | 87 | 82 | 0.88 | 0.72 | 30 | 13.5 | 105 | 53.5 | 1.7 | 1.6 | 6 | 5.8 | 2.4 | 2 | 114 |
| SA 180LT | 19 | 6.5 | 1450 | 985 | 0.174 | 87 | 82 | 0.85 | 0.71 | 37 | 16.1 | 125 | 63 | 2.1 | 1.9 | 7.2 | 6.6 | 2.7 | 2.5 | 130 |
| SA 200LT | 26 | 9.5 | 1472 | 985 | 0.193 | 88 | 84 | 0.85 | 0.78 | 50 | 21 | 169 | 92.1 | 1.9 | 1.8 | 7 | 5.7 | 2.3 | 1.9 | 180 |
| SA 225ST | 34 | 12 | 1480 | 985 | 0.370 | 89 | 85 | 0.86 | 0.79 | 64 | 25.8 | 219 | 116 | 2.3 | 2 | 7.4 | 5.5 | 2.8 | 2.4 | 235 |
| SA 225MT | 40 | 14.5 | 1480 | 985 | 0.419 | 90 | 86 | 0.87 | 0.80 | 74 | 30.5 | 258 | 141 | 2.4 | 2 | 7.9 | 6 | 2.9 | 2.5 | 260 |
| SA 250MT | 52 | 18 | 1480 | 985 | 0.613 | 90 | 86 | 0.90 | 0.80 | 93 | 38 | 336 | 175 | 2.2 | 1.9 | 7.9 | 6.2 | 2.7 | 2.2 | 360 |
| SA 280ST | 70 | 25 | 1480 | 987 | 1.39 | 91 | 89 | 0.90 | 0.83 | 124 | 49 | 452 | 242 | 2.6 | 2.4 | 7.3 | 6.5 | 2.8 | 2.5 | 470 |
| SA 280MT | 82 | 30 | 1485 | 987 | 1.55 | 91 | 89 | 0.90 | 0.84 | 145 | 58 | 527 | 290 | 2.7 | 2.4 | 7.5 | 6.5 | 2.9 | 2.5 | 496 |
| SA 315M | 92 | 28 | 1485 | 990 | 3.09 | 91 | 90 | 0.85 | 0.74 | 172 | 61 | 592 | 270 | 2.4 | 2.5 | 7 | 6.9 | 2.6 | 2.6 | 670 |
| SA 315M | 110 | 33 | 1488 | 993 | 3.91 | 91 | 90 | 0.85 | 0.74 | 206 | 72 | 706 | 317 | 2.7 | 2.5 | 7.5 | 6.8 | 2.9 | 2.6 | 760 |
| SA 315M | 125 | 37 | 1488 | 993 | 4.32 | 92 | 90 | 0.86 | 0.74 | 228 | 80 | 802 | 356 | 2.1 | 2.3 | 6.7 | 6 | 2.4 | 2.5 | 830 |
| SA 315Mn | 162 | 48 | 1489 | 994 | 5.76 | 92.5 | 90.5 | 0.85 | 0.74 | 298 | 104 | 1039 | 461 | 2.7 | 2.5 | 7.5 | 6.8 | 2.9 | 2.6 | 1020 |

Dati tecnici

F 200 - 200°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - due avvolgimenti separati

6-8 poli - 1.000-750 giri/min

Technical data

F 200 - 200°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

6-8 poles - 1.000-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|----|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 6p | 8p | 6p | 8p | 6p | | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.088 | 0.037 | 920 | 640 | 0.00105 | 35 | 24 | 0.60 | 0.55 | 0.61 | 0.4 | 0.91 | 0.55 | 1.3 | 1.2 | 1.9 | 1.5 | 1.5 | 1.4 | 5.8 |
| SA 71 | 0.11 | 0.048 | 920 | 650 | 0.00129 | 39 | 25 | 0.61 | 0.55 | 0.67 | 0.5 | 1.14 | 0.71 | 1.3 | 1.2 | 1.9 | 1.5 | 1.5 | 1.4 | 6.5 |
| SA 71 | 0.15 | 0.062 | 920 | 650 | 0.00157 | 44 | 27 | 0.65 | 0.55 | 0.76 | 0.6 | 1.56 | 0.91 | 1.3 | 1.2 | 2 | 1.5 | 1.5 | 1.4 | 7.4 |
| SA 80 | 0.18 | 0.075 | 925 | 690 | 0.00164 | 52 | 42 | 0.65 | 0.55 | 0.77 | 0.47 | 1.86 | 1.04 | 1.3 | 1.2 | 2.4 | 2.1 | 1.5 | 1.4 | 7.6 |
| SA 80 | 0.30 | 0.12 | 925 | 690 | 0.00256 | 55 | 45 | 0.68 | 0.59 | 1.16 | 0.65 | 3.1 | 1.66 | 1.4 | 1.3 | 2.6 | 2.3 | 1.6 | 1.6 | 9.8 |
| SA 90S | 0.37 | 0.16 | 930 | 690 | 0.00303 | 63 | 52 | 0.72 | 0.67 | 1.18 | 0.66 | 3.8 | 2.21 | 1.4 | 1.3 | 3 | 2.2 | 1.8 | 1.6 | 10.8 |
| SA 90L | 0.55 | 0.23 | 930 | 690 | 0.00455 | 64 | 54 | 0.73 | 0.70 | 1.70 | 0.88 | 5.65 | 3.18 | 1.5 | 1.4 | 3.1 | 2.3 | 1.9 | 1.7 | 13.5 |
| SA 90L | 0.75 | 0.32 | 930 | 700 | 0.00606 | 64 | 54 | 0.73 | 0.70 | 2.32 | 1.22 | 7.7 | 4.37 | 1.5 | 1.4 | 3.3 | 2.5 | 1.9 | 1.7 | 16.5 |
| SA 100L | 0.88 | 0.37 | 935 | 705 | 0.00870 | 66 | 59 | 0.74 | 0.70 | 2.60 | 1.3 | 9.0 | 5.0 | 1.5 | 1.4 | 3.6 | 2.9 | 1.9 | 1.7 | 19.6 |
| SA 100L | 1.1 | 0.48 | 940 | 705 | 0.0120 | 67 | 60 | 0.76 | 0.72 | 3.12 | 1.6 | 11.2 | 6.5 | 1.5 | 1.4 | 3.8 | 3 | 1.9 | 1.8 | 23.5 |
| SA 112MT | 1.5 | 0.62 | 940 | 705 | 0.0141 | 70 | 62 | 0.76 | 0.72 | 4.1 | 2 | 15.2 | 8.4 | 1.6 | 1.5 | 4 | 3.2 | 2 | 1.9 | 26 |
| SA 112M | 1.9 | 0.80 | 945 | 710 | 0.0147 | 78 | 66 | 0.76 | 0.72 | 4.6 | 2.4 | 19.2 | 10.8 | 1.5 | 1.4 | 4.1 | 3.1 | 2.1 | 1.9 | 37 |
| SA 132S | 1.84 | 0.75 | 945 | 705 | 0.023 | 78 | 67 | 0.76 | 0.72 | 4.5 | 2.2 | 18.6 | 10.2 | 1.6 | 1.5 | 4.5 | 3.7 | 2.1 | 1.9 | 39 |
| SA 132S | 2.5 | 1.1 | 950 | 710 | 0.031 | 79 | 69 | 0.77 | 0.73 | 5.9 | 3.2 | 25.1 | 14.8 | 1.6 | 1.5 | 4.9 | 3.8 | 2.3 | 2 | 45.5 |
| SA 132M | 3.3 | 1.5 | 950 | 715 | 0.046 | 79 | 71 | 0.77 | 0.73 | 7.8 | 4.2 | 33.2 | 20 | 1.6 | 1.5 | 5.4 | 4.4 | 2.3 | 2.2 | 56 |
| SA 160MT | 4.4 | 1.9 | 950 | 715 | 0.054 | 79 | 72 | 0.78 | 0.73 | 10.3 | 5.2 | 44.2 | 25.4 | 1.6 | 1.5 | 5.4 | 4.5 | 2.3 | 2.2 | 69 |
| SA 160M | 5.5 | 2.35 | 955 | 720 | 0.077 | 82 | 78 | 0.82 | 0.73 | 11.8 | 6.0 | 55 | 31.2 | 1.6 | 1.7 | 5.4 | 5.3 | 2.3 | 2.4 | 71 |
| SA 160L | 7.5 | 3.3 | 960 | 720 | 0.109 | 83 | 80 | 0.84 | 0.74 | 15.5 | 8.1 | 74.6 | 43.8 | 1.6 | 1.7 | 5.4 | 5.3 | 2.3 | 2.4 | 88 |
| SA 180MT | 8.8 | 3.9 | 960 | 725 | 0.129 | 83 | 80 | 0.85 | 0.74 | 18 | 9.5 | 87.6 | 51.4 | 1.7 | 1.8 | 5.6 | 5.5 | 2.4 | 2.5 | 105 |
| SA 180LT | 11 | 4.8 | 960 | 725 | 0.154 | 83 | 80 | 0.85 | 0.75 | 22.5 | 11.6 | 109 | 63.2 | 1.7 | 1.8 | 5.9 | 5.8 | 2.4 | 2.5 | 117 |
| SA 200LT | 15 | 6.2 | 980 | 730 | 0.22 | 84 | 80 | 0.84 | 0.75 | 31 | 14.9 | 146 | 81.1 | 1.9 | 1.8 | 6.4 | 5.8 | 2.4 | 2.3 | 175 |
| SA 200LT | 18.4 | 7.5 | 980 | 735 | 0.30 | 85 | 80 | 0.84 | 0.75 | 37 | 18 | 179 | 97.5 | 1.9 | 1.8 | 6.8 | 5.8 | 2.5 | 2.3 | 212 |
| SA 225MT | 22 | 9.5 | 980 | 735 | 0.61 | 87 | 83 | 0.85 | 0.75 | 43 | 22 | 214 | 123 | 1.9 | 2 | 6.5 | 6.5 | 2.4 | 2.5 | 260 |
| SA 250MT | 26 | 11 | 985 | 735 | 0.90 | 87 | 83 | 0.84 | 0.73 | 51 | 26 | 252 | 143 | 2.1 | 2.3 | 6.3 | 5.8 | 2.5 | 2.5 | 317 |
| SA 250MT | 30 | 12.5 | 985 | 735 | 1.02 | 88 | 84 | 0.85 | 0.74 | 58 | 29 | 291 | 162 | 2.1 | 2.3 | 6.3 | 6.1 | 2.7 | 2.8 | 360 |
| SA 280ST | 33 | 14 | 985 | 738 | 1.75 | 89 | 86 | 0.85 | 0.78 | 63 | 30 | 320 | 181 | 2.2 | 2.2 | 5.8 | 5.5 | 2.6 | 2.4 | 430 |
| SA 280MT | 40 | 17 | 985 | 738 | 2.00 | 89 | 86 | 0.86 | 0.79 | 76 | 36 | 388 | 220 | 2.3 | 1.9 | 6 | 5.4 | 2.7 | 2 | 460 |
| SA 315ST | 48 | 20 | 985 | 738 | 2.43 | 90 | 86 | 0.86 | 0.79 | 90 | 43 | 465 | 259 | 2.4 | 2 | 6 | 5.6 | 2.8 | 2.2 | 528 |
| SA 315M | 55 | 23.5 | 988 | 740 | 3.23 | 91 | 90 | 0.86 | 0.78 | 102 | 48 | 532 | 303 | 2.2 | 2.1 | 6 | 5.8 | 2 | 1.8 | 600 |
| SA 315M | 65 | 28 | 990 | 740 | 3.62 | 92 | 91 | 0.86 | 0.79 | 119 | 56 | 627 | 361 | 2.2 | 2 | 6 | 5.5 | 2 | 1.7 | 645 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|---|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.18 | 2680 | 0.0002 | 64 | 0.75 | 0.54 | 0.641 | 2.4 | 3.5 | 2.5 | 57 | 3.3 |
| SA 63-b | 0.25 | 2700 | 0.0002 | 64 | 0.75 | 0.75 | 0.884 | 2.4 | 3.5 | 2.5 | 57 | 3.8 |
| SA 71-a | 0.37 | 2800 | 0.0004 | 71 | 0.8 | 0.94 | 1.262 | 2.2 | 4 | 2.3 | 59 | 6 |
| SA 71-b | 0.55 | 2810 | 0.0005 | 71 | 0.8 | 1.4 | 1.869 | 2.5 | 4.6 | 2.6 | 59 | 7 |
| S1A 80-a | 0.75 | 2820 | 0.0012 | 76 | 0.81 | 1.8 | 2.54 | 2.3 | 4.5 | 2.4 | 63 | 8.6 |
| S1A 80-b | 1.1 | 2820 | 0.0017 | 76.2 | 0.81 | 2.6 | 3.72 | 2.3 | 4.8 | 2.4 | 63 | 10.2 |
| S1A 90S | 1.5 | 2840 | 0.0012 | 78.5 | 0.8 | 3.4 | 5.04 | 2.4 | 4.9 | 2.5 | 68 | 11.5 |
| S1A 90L | 2.2 | 2840 | 0.0019 | 81 | 0.78 | 5 | 7.4 | 2.4 | 4.9 | 2.5 | 68 | 13.5 |
| S1A 100L | 3 | 2850 | 0.0032 | 82.6 | 0.81 | 6.4 | 10.1 | 2.6 | 6.5 | 2.8 | 72 | 20.5 |
| S1A 112MT-a | 4 | 2860 | 0.0042 | 84.2 | 0.8 | 8.6 | 13.4 | 2.6 | 6.5 | 2.8 | 72 | 23 |
| S1A 112MT-b | 5.5 | 2880 | 0.0055 | 83.5 | 0.84 | 11.3 | 18.2 | 2.5 | 7 | 2.8 | 72 | 28.2 |
| S1A 132S-a | 5.5 | 2900 | 0.009 | 85.7 | 0.85 | 10.9 | 18.1 | 2.5 | 7 | 2.8 | 74 | 38.4 |
| S1A 132S-b | 7.5 | 2900 | 0.0113 | 87 | 0.85 | 14.7 | 24.7 | 2.5 | 7 | 2.8 | 74 | 42 |
| S1A 132M | 9 | 2910 | 0.015 | 86 | 0.86 | 17.6 | 29.5 | 2.4 | 7 | 2.7 | 74 | 47.5 |
| S1A 160MT-a | 11 | 2910 | 0.017 | 88.4 | 0.84 | 21 | 36.1 | 2.5 | 6.5 | 2.7 | 74 | 58 |
| S1A 160MT-b | 15 | 2930 | 0.023 | 89.4 | 0.85 | 29 | 48.9 | 2.6 | 6.7 | 2.8 | 75 | 68 |
| S1A 160L | 18.5 | 2940 | 0.043 | 90 | 0.85 | 35 | 60.1 | 2.6 | 6.9 | 2.8 | 75 | 90 |
| S1A 180MT | 22 | 2950 | 0.051 | 90.5 | 0.85 | 42 | 71.2 | 2.7 | 7 | 2.9 | 75 | 110 |
| S1A 180LT | 25 | 2950 | 0.059 | 89.5 | 0.86 | 47 | 80.9 | 2.7 | 7 | 2.9 | 75 | 116 |
| S1A 200LT-a | 30 | 2950 | 0.089 | 91.4 | 0.86 | 55 | 97 | 2.7 | 7.3 | 3 | 83 | 142 |
| S1A 200LT-b | 37 | 2960 | 0.111 | 92 | 0.86 | 68 | 119 | 2.7 | 7.3 | 3 | 83 | 162 |
| S1A 225MT | 45 | 2960 | 0.18 | 92.5 | 0.86 | 82 | 145 | 2.7 | 7.5 | 3 | 83 | 210 |
| S1A 250MT | 55 | 2970 | 0.283 | 93 | 0.87 | 98 | 177 | 2.8 | 7.6 | 3 | 83 | 280 |
| S1A 280ST | 75 | 2970 | 0.493 | 93.6 | 0.87 | 132 | 241 | 2.6 | 7.2 | 2.9 | 84 | 372 |
| S1A 280MT | 90 | 2970 | 0.587 | 93.9 | 0.88 | 158 | 289 | 2.7 | 7.5 | 3 | 87 | 407 |
| S1A 315ST | 110 | 2975 | 0.751 | 93.5 | 0.89 | 191 | 353 | 2.6 | 7.5 | 2.8 | 87 | 496 |
| S1A 315M | 132 | 2980 | 1.27 | 93.5 | 0.89 | 229 | 423 | 2.5 | 7.4 | 2.7 | 90 | 620 |
| S1A 315M | 160 | 2980 | 1.52 | 93.5 | 0.89 | 278 | 513 | 2.5 | 7.4 | 2.7 | 90 | 668 |
| S1A 315M | 200 | 2980 | 1.83 | 94 | 0.9 | 342 | 641 | 2.5 | 7.4 | 2.7 | 90 | 760 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1 with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|---|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.18 | 2648 | 0.0002 | 64 | 0.73 | 0.56 | 0.649 | 2.16 | 3.15 | 2.25 | 57 | 3.3 |
| SA 63-b | 0.25 | 2670 | 0.0002 | 64 | 0.73 | 0.78 | 0.894 | 2.16 | 3.15 | 2.25 | 57 | 3.8 |
| SA 71-a | 0.37 | 2780 | 0.0004 | 71 | 0.78 | 0.97 | 1.271 | 1.98 | 3.6 | 2.07 | 59 | 6 |
| SA 71-b | 0.55 | 2791 | 0.0005 | 71 | 0.78 | 1.44 | 1.882 | 2.25 | 4.14 | 2.34 | 59 | 7 |
| S1A 80-a | 0.75 | 2802 | 0.0012 | 76 | 0.79 | 1.82 | 2.556 | 2.07 | 4.05 | 2.16 | 63 | 8.6 |
| S1A 80-b | 1.1 | 2802 | 0.0017 | 76.2 | 0.79 | 2.66 | 3.748 | 2.07 | 4.32 | 2.16 | 63 | 10.2 |
| S1A 90S | 1.5 | 2824 | 0.0012 | 78.5 | 0.78 | 3.56 | 5.072 | 2.16 | 4.41 | 2.25 | 68 | 11.5 |
| S1A 90L | 2.2 | 2824 | 0.0019 | 81 | 0.76 | 5.19 | 7.438 | 2.16 | 4.41 | 2.25 | 68 | 13.5 |
| S1A 100L | 3 | 2835 | 0.0032 | 82.6 | 0.79 | 6.68 | 10.104 | 2.34 | 5.85 | 2.52 | 72 | 20.5 |
| S1A 112MT-a | 4 | 2846 | 0.0042 | 84.2 | 0.78 | 8.85 | 13.420 | 2.34 | 5.85 | 2.52 | 72 | 23 |
| S1A 112MT-b | 5.5 | 2868 | 0.0055 | 83.5 | 0.81 | 11.68 | 18.310 | 2.25 | 6.3 | 2.52 | 72 | 28.2 |
| S1A 132S-a | 5.5 | 2890 | 0.009 | 85.7 | 0.82 | 11.25 | 18.171 | 2.25 | 6.3 | 2.52 | 74 | 38.4 |
| S1A 132S-b | 7.5 | 2890 | 0.0113 | 87 | 0.82 | 15.11 | 24.779 | 2.25 | 6.3 | 2.52 | 74 | 42 |
| S1A 132M | 9 | 2901 | 0.015 | 86 | 0.83 | 18.13 | 29.622 | 2.16 | 6.3 | 2.43 | 74 | 47.5 |
| S1A 160MT-a | 11 | 2901 | 0.017 | 88.4 | 0.81 | 22.07 | 36.204 | 2.25 | 5.85 | 2.43 | 74 | 58 |
| S1A 160MT-b | 15 | 2923 | 0.023 | 89.4 | 0.82 | 29.41 | 48.998 | 2.34 | 6.03 | 2.52 | 75 | 68 |
| S1A 160L | 18.5 | 2934 | 0.043 | 90 | 0.82 | 36.03 | 60.204 | 2.34 | 6.21 | 2.52 | 75 | 90 |
| S1A 180MT | 22 | 2945 | 0.051 | 90.5 | 0.82 | 42.61 | 71.326 | 2.43 | 6.3 | 2.61 | 75 | 110 |
| S1A 180LT | 25 | 2945 | 0.059 | 89.5 | 0.83 | 48.39 | 81.053 | 2.43 | 6.3 | 2.61 | 75 | 116 |
| S1A 200LT-a | 30 | 2945 | 0.089 | 91.4 | 0.83 | 56.86 | 97.263 | 2.43 | 6.57 | 2.7 | 83 | 142 |
| S1A 200LT-b | 37 | 2956 | 0.111 | 92 | 0.83 | 69.67 | 119.512 | 2.43 | 6.57 | 2.7 | 83 | 162 |
| S1A 225MT | 45 | 2956 | 0.18 | 92.5 | 0.83 | 84.27 | 145.352 | 2.43 | 6.75 | 2.7 | 83 | 210 |
| S1A 250MT | 55 | 2967 | 0.283 | 93 | 0.84 | 101.27 | 176.994 | 2.52 | 6.84 | 2.7 | 83 | 280 |
| S1A 280ST | 75 | 2967 | 0.493 | 93.6 | 0.84 | 137.21 | 241.355 | 2.34 | 6.48 | 2.61 | 84 | 372 |
| S1A 280MT | 90 | 2970 | 0.587 | 93.9 | 0.85 | 162.26 | 289.333 | 2.7 | 7.5 | 3 | 87 | 407 |
| S1A 315ST | 110 | 2975 | 0.751 | 93.5 | 0.86 | 196.93 | 353.035 | 2.6 | 7.5 | 2.8 | 87 | 496 |
| S1A 315M | 132 | 2980 | 1.27 | 93.5 | 0.86 | 236.32 | 422.932 | 2.5 | 7.4 | 2.7 | 90 | 620 |
| S1A 315M | 160 | 2980 | 1.52 | 93.5 | 0.86 | 286.44 | 512.644 | 2.5 | 7.4 | 2.7 | 90 | 668 |
| S1A 315M | 200 | 2980 | 1.83 | 94 | 0.87 | 352.19 | 640.805 | 2.5 | 7.4 | 2.7 | 90 | 760 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1 with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|---|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.09 | 880 | 0.0003 | 43 | 0.6 | 0.5 | 0.98 | 1.7 | 2.2 | 1.9 | 48 | 5 |
| SA 63-b | 0.11 | 890 | 0.0004 | 45 | 0.6 | 0.6 | 1.18 | 1.7 | 2.8 | 1.9 | 48 | 5.2 |
| SA 71-a | 0.18 | 890 | 0.0011 | 54 | 0.61 | 0.8 | 1.93 | 1.7 | 2.8 | 1.9 | 49 | 5.8 |
| SA 71-b | 0.22 | 890 | 0.0013 | 55 | 0.61 | 0.9 | 2.36 | 1.8 | 2.8 | 2 | 49 | 6.5 |
| S1A 90S | 0.75 | 910 | 0.0035 | 72 | 0.72 | 2.1 | 7.87 | 1.9 | 3.8 | 2.1 | 54 | 10.8 |
| S1A 90L | 1.1 | 910 | 0.0051 | 73 | 0.72 | 3.0 | 11.54 | 2 | 4 | 2 | 54 | 13.5 |
| S1A 100L | 1.5 | 920 | 0.0087 | 75 | 0.73 | 4.0 | 15.6 | 2.1 | 4.7 | 2.3 | 57 | 19.6 |
| S1A 112MT | 2.2 | 940 | 0.014 | 78 | 0.75 | 5.4 | 22.3 | 2.2 | 5.5 | 2.5 | 57 | 25 |
| S1A 132S | 3 | 950 | 0.023 | 80 | 0.78 | 6.9 | 30.2 | 2 | 5.6 | 2.3 | 60 | 39 |
| S1A 132M-a | 4 | 950 | 0.031 | 82 | 0.78 | 9.0 | 40.2 | 2.3 | 5.8 | 2.6 | 60 | 45.5 |
| S1A 132M-b | 5.5 | 950 | 0.041 | 83 | 0.78 | 12.3 | 55.3 | 2.3 | 6 | 2.6 | 60 | 52.5 |
| S1A 160MT | 7.5 | 960 | 0.054 | 85 | 0.8 | 15.9 | 74.6 | 2.1 | 6 | 2.6 | 60 | 69 |
| S1A 160L | 11 | 960 | 0.109 | 86 | 0.81 | 22.8 | 109.4 | 2.3 | 6.4 | 2.9 | 63 | 88 |
| S1A 180LT | 15 | 970 | 0.141 | 87 | 0.82 | 30.4 | 147.7 | 2.4 | 7.2 | 3 | 63 | 114 |
| S1A 200LT-a | 18.5 | 975 | 0.271 | 88 | 0.83 | 36.6 | 181.2 | 2.3 | 6.8 | 2.8 | 68 | 145 |
| S1A 200LT-b | 22 | 975 | 0.32 | 88 | 0.83 | 43.5 | 215 | 2.3 | 6.8 | 2.8 | 68 | 155 |
| S1A 225MT | 30 | 980 | 0.541 | 90 | 0.84 | 57.3 | 292 | 2.4 | 6.1 | 2.6 | 72 | 234 |
| S1A 250MT | 37 | 980 | 0.752 | 91 | 0.84 | 69.9 | 361 | 2.4 | 6.8 | 2.7 | 73 | 295 |
| S1A 280ST | 45 | 985 | 1.37 | 92 | 0.82 | 87 | 436 | 2.3 | 6.5 | 2.4 | 75 | 381 |
| S1A 280MT | 55 | 985 | 1.68 | 92 | 0.82 | 105 | 533 | 2.3 | 6.5 | 2.4 | 75 | 421 |
| S1A 315ST | 75 | 985 | 2.37 | 92 | 0.83 | 141 | 727 | 2.1 | 6 | 2.3 | 75 | 526 |
| S1A 315M-a | 90 | 988 | 2.7 | 93 | 0.83 | 168.5 | 870 | 2.3 | 5.8 | 2.6 | 84 | 642 |
| S1A 315M-b | 110 | 986 | 2.7 | 93 | 0.84 | 203.5 | 1065 | 2.3 | 5.8 | 2.6 | 84 | 672 |
| S1A 315M-c | 132 | 986 | 3.15 | 93.3 | 0.84 | 243.4 | 1278 | 2.3 | 5.9 | 2.6 | 84 | 730 |
| S1A 315M-d | 160 | 987 | 4.7 | 94 | 0.84 | 292.8 | 1548 | 2.4 | 6 | 2.6 | 84 | 910 |
| S1A 355LT | 200 | 987 | 5.7 | 94 | 0.84 | 366.0 | 1935 | 2.4 | 6 | 2.6 | 84 | 1144 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1 with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

8 poli - 750 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

8 poles - 750 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|---|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63 | 0.05 | 640 | 0.00029 | 40 | 0.53 | 0.34 | 0.75 | 1.5 | 2 | 1.6 | 48 | 5 |
| SA 63 | 0.07 | 640 | 0.00039 | 44 | 0.54 | 0.43 | 1.04 | 1.5 | 2 | 1.6 | 48 | 5 |
| SA 71 | 0.11 | 650 | 0.0011 | 44 | 0.56 | 0.65 | 1.6 | 1.5 | 2 | 1.6 | 49 | 6 |
| SA 71 | 0.15 | 650 | 0.0013 | 46 | 0.57 | 0.83 | 2.2 | 1.6 | 2.1 | 1.6 | 49 | 6.5 |
| S1A 80 | 0.18 | 670 | 0.0016 | 52 | 0.6 | 0.83 | 2.6 | 1.8 | 3 | 2 | 51 | 7.3 |
| S1A 80 | 0.25 | 670 | 0.0026 | 61 | 0.6 | 1 | 3.6 | 1.8 | 3 | 2 | 51 | 9.7 |
| S1A 90S | 0.37 | 680 | 0.003 | 64 | 0.63 | 1.3 | 5.2 | 1.8 | 3.2 | 2 | 53 | 10.6 |
| S1A 90L | 0.55 | 690 | 0.0045 | 67 | 0.63 | 1.9 | 7.6 | 1.8 | 3.4 | 2 | 53 | 13.3 |
| S1A 100L | 0.75 | 690 | 0.0087 | 68 | 0.64 | 2.5 | 10.4 | 2 | 3.4 | 2.1 | 55 | 19.3 |
| S1A 100L | 1.1 | 690 | 0.0109 | 70 | 0.64 | 3.5 | 15.2 | 2 | 3.4 | 2.1 | 55 | 21.5 |
| S1A 112MT | 1.5 | 700 | 0.0141 | 73 | 0.65 | 4.6 | 20.5 | 1.9 | 3.5 | 2.4 | 55 | 25 |
| S1A132S | 2.2 | 705 | 0.0307 | 78 | 0.71 | 5.7 | 29.8 | 1.9 | 4.6 | 2.2 | 58 | 45 |
| S1A 132M | 3 | 710 | 0.0409 | 79 | 0.72 | 7.6 | 40.4 | 1.9 | 5 | 2.3 | 58 | 52 |
| S1A 160MT | 4 | 710 | 0.0537 | 80 | 0.73 | 9.9 | 53.8 | 2 | 5 | 2.1 | 58 | 68.5 |
| S1A 160M | 5.5 | 715 | 0.0772 | 82 | 0.73 | 13 | 73 | 2 | 5.2 | 2.1 | 61 | 70 |
| S1A 160L | 7.5 | 720 | 0.109 | 84 | 0.74 | 17 | 100 | 2.1 | 5.4 | 2.2 | 61 | 87.5 |
| S1A 180LT | 11 | 730 | 0.154 | 86 | 0.76 | 24 | 144 | 2.1 | 5.1 | 2 | 61 | 117 |
| S1A 200LT | 15 | 730 | 0.345 | 87 | 0.76 | 33 | 196 | 2.1 | 5.4 | 2.3 | 66 | 155 |
| S1A 225ST | 18.5 | 730 | 0.505 | 88 | 0.79 | 38 | 242 | 2.3 | 5.3 | 2.3 | 70 | 207 |
| S1A 225MT | 22 | 730 | 0.577 | 89 | 0.79 | 45 | 288 | 2.3 | 5.3 | 2.4 | 70 | 243 |
| S1A 250MT | 30 | 735 | 0.902 | 90 | 0.8 | 60 | 390 | 2.4 | 5.5 | 2.6 | 71 | 317 |
| S1A 280ST | 37 | 735 | 1.75 | 90.5 | 0.8 | 74 | 481 | 2.1 | 5 | 2.3 | 72 | 420 |
| S1A 280MT | 45 | 735 | 2.12 | 91 | 0.8 | 89 | 585 | 2.1 | 5.1 | 2.3 | 72 | 460 |
| S1A 315ST | 55 | 740 | 2.43 | 92 | 0.8 | 108 | 710 | 2.3 | 5.5 | 2.2 | 81 | 525 |
| S1A 315M | 75 | 740 | 3.1 | 93 | 0.8 | 146 | 968 | 1.6 | 5.2 | 2.2 | 81 | 671 |
| S1A 315M | 90 | 740 | 3.52 | 93.5 | 0.8 | 174 | 1162 | 1.6 | 5.2 | 2.3 | 81 | 769 |
| S1A 315M | 110 | 740 | 4.4 | 93.8 | 0.8 | 212 | 1420 | 1.6 | 5.3 | 2.3 | 81 | 890 |
| S1A 315M | 132 | 740 | 5.1 | 94 | 0.8 | 254 | 1704 | 1.6 | 5.3 | 2.4 | 81 | 1035 |
| Serie S1S (carcassa in acciaio) - S1S Series (steel frame) | | | | | | | | | | | | |
| S1S 355L-b | 200 | 742 | 10.5 | 94.5 | 0.81 | 378 | 2575 | 1.5 | 5.6 | 2.4 | 79 | 1590 |
| S1S 355L-c | 250 | 745 | 12.6 | 94.5 | 0.82 | 466 | 3205 | 1.5 | 5.6 | 2.4 | 79 | 1760 |
| S1S 355Lx-a | 315 | 745 | 28.9 | 95 | 0.80 | 600 | 4039 | 1.4 | 6 | 2.4 | 79 | 2520 |
| S1S 355Lx-b | 355 | 745 | 34.0 | 95 | 0.81 | 667 | 4550 | 1.5 | 6 | 2.5 | 79 | 2840 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J kgm ² | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|-----------------------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 80-a | 0.75 | 2870 | 0.0015 | 77.4 | 79 | 76.6 | 0.8 | 0.71 | 0.54 | 1.8 | 2.49 | 2.3 | 4.5 | 2.4 | 61 | 9.6 |
| S2A 80-b | 1.1 | 2975 | 0.0020 | 79.6 | 80.2 | 77.2 | 0.8 | 0.72 | 0.57 | 2.5 | 3.53 | 2.6 | 5.5 | 2.7 | 61 | 11.2 |
| S2A 90S | 1.5 | 2830 | 0.0016 | 81.3 | 80.6 | 79.9 | 0.82 | 0.78 | 0.67 | 3.3 | 5.06 | 2.6 | 5.5 | 2.6 | 65 | 13.9 |
| S2A 90L | 2.2 | 2880 | 0.0023 | 83.2 | 83.6 | 83.1 | 0.82 | 0.78 | 0.67 | 4.7 | 7.29 | 2.6 | 5.8 | 2.6 | 65 | 15.9 |
| S2A 100L | 3 | 2880 | 0.0042 | 84.6 | 84.7 | 83.2 | 0.84 | 0.78 | 0.67 | 6.1 | 9.95 | 2.4 | 6.2 | 2.5 | 69 | 23.8 |
| S2A 112MT-a | 4 | 2910 | 0.0056 | 85.8 | 86.3 | 86 | 0.84 | 0.78 | 0.67 | 8.0 | 13.13 | 2.3 | 6.8 | 2.6 | 69 | 28 |
| S2A 132S-a | 5.5 | 2880 | 0.0112 | 87 | 86.7 | 84.7 | 0.9 | 0.87 | 0.8 | 10.2 | 18.24 | 2.2 | 6.8 | 2.5 | 69 | 43.3 |
| S2A 132S-b | 7.5 | 2920 | 0.0146 | 87 | 87.6 | 87.2 | 0.9 | 0.88 | 0.82 | 13.8 | 24.5 | 2.3 | 7 | 2.6 | 71 | 49.5 |
| S2A 160M-a | 11 | 2935 | 0.031 | 89.4 | 89.5 | 87.7 | 0.88 | 0.85 | 0.77 | 20.2 | 36 | 2 | 6.2 | 2.8 | 71 | 76 |
| S2A 160M-b | 15 | 2936 | 0.041 | 90.3 | 90.5 | 89.4 | 0.89 | 0.85 | 0.78 | 27.0 | 49 | 2.3 | 6.7 | 2.8 | 72 | 90 |
| S2A 160L | 18.5 | 2938 | 0.048 | 90.9 | 91 | 90.3 | 0.89 | 0.85 | 0.78 | 33.0 | 60 | 2.4 | 7.2 | 2.9 | 72 | 110 |
| S2A 180MT | 22 | 2938 | 0.055 | 91.3 | 91.5 | 90 | 0.89 | 0.86 | 0.79 | 39.1 | 72 | 2.6 | 7.2 | 2.9 | 72 | 116 |
| S2A 200LT-a | 30 | 2945 | 0.105 | 92 | 92 | 91 | 0.91 | 0.89 | 0.85 | 51.8 | 97 | 2 | 7 | 2.8 | 81 | 162 |
| S2A 200LT-b | 37 | 2947 | 0.126 | 92.5 | 92.6 | 91.3 | 0.91 | 0.89 | 0.85 | 63.5 | 120 | 2.2 | 7 | 3 | 81 | 184 |
| S2A 225MT ⁽¹⁾ | 45 | 2960 | 0.18 | 92.9 | 92.9 | 91.4 | 0.9 | 0.88 | 0.8 | 77.8 | 145 | 2.6 | 7.5 | 3 | 81 | 222 |
| S2A 250MT | 55 | 2965 | 0.29 | 93.2 | 92.1 | 90.3 | 0.9 | 0.88 | 0.81 | 94.8 | 177 | 2.6 | 7.5 | 3 | 81 | 280 |
| S2A 280ST | 75 | 2965 | 0.553 | 93.8 | 93.3 | 91.1 | 0.9 | 0.88 | 0.84 | 128.4 | 242 | 2.4 | 7.2 | 2.7 | 84 | 408 |
| S2A 280MT | 90 | 2968 | 0.664 | 94.1 | 93.7 | 92 | 0.9 | 0.88 | 0.88 | 153.6 | 290 | 2.4 | 7.2 | 2.8 | 84 | 495 |
| S2A 315ST | 110 | 2970 | 0.751 | 94.3 | 94.8 | 93 | 0.9 | 0.88 | 0.89 | 187.3 | 354 | 2.6 | 7.5 | 2.8 | 84 | 553 |
| S2A 315Ma | 132 | 2875 | 1.53 | 94.6 | 94.7 | 93.2 | 0.9 | 0.88 | 0.84 | 224 | 438 | 1.9 | 7 | 2.3 | 87 | 692 |
| S2A 315Mb | 160 | 2875 | 1.83 | 94.8 | 94.7 | 94.3 | 0.9 | 0.89 | 0.86 | 271 | 531 | 1.9 | 7 | 2.3 | 87 | 764 |
| S2A 315Mc | 200 | 2875 | 1.83 | 95 | 94.9 | 93.5 | 0.9 | 0.89 | 0.86 | 338 | 664 | 2 | 7 | 2.3 | 87 | 860 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L | 250 | 2983 | 3.5 | 95.1 | 94 | 93.5 | 0.91 | 0.9 | 0.87 | 417 | 800 | 2 | 7 | 2.3 | 88 | 1200 |
| S2S 355L-a | 280 | 2980 | 4.2 | 95.1 | 94.1 | 93.5 | 0.91 | 0.9 | 0.87 | 468 | 898 | 2 | 7 | 2.3 | 88 | 1280 |
| S2S 355L-b | 315 | 2980 | 4.5 | 95.1 | 94.1 | 93.3 | 0.91 | 0.9 | 0.87 | 526 | 1010 | 2.3 | 7.5 | 2.5 | 88 | 1600 |
| S2S 355Lx-a | 355 | 2980 | 3.2 | 95.1 | 94.1 | 93.3 | 0.9 | 0.9 | 0.87 | 599 | 1202 | 2.2 | 7.5 | 2.4 | 89 | 1870 |
| S2S 355Lx-b | 400 | 2985 | 7.7 | 95.2 | 94.2 | 93.4 | 0.9 | 0.9 | 0.87 | 675 | 1280 | 2.2 | 7.5 | 2.4 | 89 | 2000 |
| S2S 355Lx-c | 450 | 2985 | 8.4 | 95.2 | 94.2 | 93.4 | 0.9 | 0.9 | 0.87 | 759 | 1440 | 2.2 | 7.5 | 2.4 | 89 | 2150 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 80-b | 0.75 | 1360 | 0.0019 | 79.6 | 79 | 78 | 0.73 | 0.69 | 0.58 | 1.9 | 5.27 | 2.3 | 5 | 2.3 | 50 | 11 |
| S2A 90S | 1.1 | 1395 | 0.0028 | 81.4 | 81 | 79 | 0.81 | 0.74 | 0.61 | 2.4 | 7.53 | 2.3 | 4.7 | 2.5 | 50 | 14.2 |
| S2A 90L | 1.5 | 1400 | 0.0373 | 82.8 | 82 | 80 | 0.81 | 0.74 | 0.61 | 3.2 | 10.23 | 2.6 | 5 | 2.6 | 52 | 17.8 |
| S2A 100L-a | 2.2 | 1425 | 0.006 | 84.3 | 84.6 | 84.4 | 0.8 | 0.74 | 0.62 | 4.7 | 14.74 | 2 | 5 | 2.2 | 52 | 21.2 |
| S2A 100L-b | 3 | 1425 | 0.008 | 85.5 | 85.8 | 84.9 | 0.8 | 0.74 | 0.62 | 6.3 | 20.10 | 2 | 5 | 2.2 | 56 | 26.2 |
| S2A 112M | 4 | 1420 | 0.014 | 86.6 | 87.5 | 87.5 | 0.8 | 0.73 | 0.62 | 8.3 | 26.90 | 2.4 | 5 | 2.5 | 56 | 35 |
| S2A 132S | 5.5 | 1452 | 0.023 | 87.7 | 87.9 | 87 | 0.8 | 0.72 | 0.61 | 11.3 | 36.2 | 1.8 | 5.5 | 2.5 | 56 | 48 |
| S2A 132M | 7.5 | 1456 | 0.034 | 88.7 | 88.9 | 88 | 0.81 | 0.73 | 0.62 | 15.1 | 49.2 | 2 | 5.8 | 2.6 | 59 | 58 |
| S2A 132M-b | 9.2 | 1457 | 0.037 | 89.3 | 89.3 | 88.4 | 0.81 | 0.73 | 0.6 | 18.38 | 60.3 | 2 | 5.9 | 2.7 | 59 | 65.2 |
| S2A 160M | 11 | 1463 | 0.076 | 89.8 | 90 | 89.8 | 0.83 | 0.76 | 0.63 | 21.3 | 71.8 | 2.4 | 5.8 | 2.5 | 59 | 85.5 |
| S2A 160L | 15 | 1463 | 0.093 | 90.6 | 91 | 90.6 | 0.83 | 0.76 | 0.63 | 28.8 | 97.9 | 2.6 | 6 | 2.6 | 63 | 104 |
| S2A 180MT | 18.5 | 1465 | 0.11 | 91.2 | 91.4 | 91.1 | 0.83 | 0.77 | 0.63 | 35 | 120.6 | 2.5 | 6 | 2.5 | 63 | 125 |
| S2A 180L | 22 | 1465 | 0.153 | 91.6 | 92 | 91.6 | 0.87 | 0.83 | 0.74 | 40 | 143.4 | 2.2 | 6 | 2.6 | 63 | 155 |
| S2A 200LT | 30 | 1465 | 0.195 | 92.3 | 92.6 | 92.2 | 0.87 | 0.83 | 0.74 | 54 | 195.5 | 2.2 | 6.2 | 2.8 | 66 | 186 |
| S2A 225ST | 37 | 1470 | 0.352 | 92.7 | 92.7 | 92 | 0.87 | 0.83 | 0.74 | 66 | 240.3 | 2.6 | 7.1 | 2.9 | 66 | 230 |
| S2A 225M | 45 | 1474 | 0.429 | 93.1 | 93.2 | 93 | 0.88 | 0.82 | 0.74 | 79 | 292 | 2.6 | 7.5 | 2.9 | 66 | 263 |
| S2A 250MT | 55 | 1475 | 0.55 | 93.5 | 93.4 | 93 | 0.88 | 0.84 | 0.75 | 97 | 356 | 2.8 | 7.6 | 3 | 66 | 315 |
| S2A 280ST | 75 | 1480 | 1.25 | 94 | 93.8 | 93.7 | 0.88 | 0.85 | 0.76 | 131 | 484 | 2.6 | 7 | 2.6 | 70 | 407 |
| S2A 280MT | 90 | 1480 | 1.48 | 94.2 | 94 | 93.8 | 0.88 | 0.85 | 0.76 | 157 | 581 | 2.6 | 7 | 2.6 | 70 | 474 |
| S2A 315M-a | 110 | 1488 | 2.6 | 94.5 | 94.3 | 93.3 | 0.86 | 0.83 | 0.74 | 196 | 706 | 2.6 | 7 | 2.6 | 80 | 660 |
| S2A 315M-b | 132 | 1488 | 3.2 | 94.7 | 94.7 | 94 | 0.86 | 0.83 | 0.74 | 234 | 847 | 2.6 | 7.2 | 2.6 | 80 | 733 |
| S2A 315M-c | 160 | 1488 | 3.9 | 94.9 | 94.8 | 94 | 0.88 | 0.85 | 0.78 | 277 | 1027 | 2.7 | 7.2 | 2.7 | 80 | 848 |
| S2A 315M-d | 200 | 1485 | 4.7 | 95.1 | 95 | 94.2 | 0.88 | 0.85 | 0.78 | 345 | 1286 | 2.7 | 7.2 | 2.8 | 80 | 1026 |
| Serie S2S - CS (carcassa in acciaio) - S2S - CS Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L-a | 250 | 1492 | 5.5 | 95.1 | 94.4 | 92.4 | 0.87 | 0.85 | 0.75 | 437 | 1600 | 1.4 | 6.4 | 2.4 | 84 | 1360 |
| S2S 355L-b | 280 | 1492 | 5.8 | 95.1 | 94.6 | 93 | 0.88 | 0.84 | 0.77 | 483 | 1792 | 1.4 | 6.4 | 2.4 | 84 | 1490 |
| S2S 355L-c | 315 | 1492 | 6.6 | 95.3 | 94.7 | 93 | 0.88 | 0.85 | 0.77 | 543 | 2016 | 1.4 | 6.5 | 2.4 | 84 | 1680 |
| S2S 355Lx-a ^(*) | 355 | 1492 | 10.0 | 95.3 | 94.8 | 93.3 | 0.89 | 0.87 | 0.81 | 605 | 2272 | 1.3 | 6.8 | 2.8 | 84 | 1850 |
| S2S 355Lx-b ^(*) | 400 | 1492 | 11.8 | 95.5 | 94.9 | 93.7 | 0.89 | 0.88 | 0.81 | 680 | 2560 | 1.4 | 7 | 2.8 | 84 | 2060 |
| S2S 355Lx-c ^(*) | 450 | 1492 | 13.6 | 95.7 | 95.2 | 94 | 0.90 | 0.87 | 0.81 | 755 | 2880 | 1.4 | 7 | 2.8 | 84 | 2260 |
| S2S 355Lx-d ^(*) | 500 | 1492 | 15.9 | 95.8 | 95.2 | 94 | 0.90 | 0.87 | 0.81 | 838 | 3200 | 1.4 | 7 | 2.8 | 84 | 2520 |

^(*) Sovratemperatura classe F

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

^(*) Temperature rise class F

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|-------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|--------------------|---|
| | kW | giri/min rpm | | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 90S | 0.75 | 925 | 0.005 | 75.9 | 74 | 68 | 0.66 | 0.55 | 0.4 | 2.16 | 7.742 | 2.5 | 5 | 2.9 | 54 | 13.5 |
| S2A 90L | 1.1 | 925 | 0.006 | 78.1 | 76 | 72 | 0.7 | 0.59 | 0.43 | 2.9 | 11.36 | 2.8 | 5.2 | 3 | 54 | 16.5 |
| S2A 100L | 1.5 | 950 | 0.013 | 79.8 | 77 | 72 | 0.71 | 0.58 | 0.44 | 3.8 | 15.08 | 2.1 | 4.7 | 2.5 | 57 | 25 |
| S2A 112M | 2.2 | 950 | 0.018 | 81.8 | 82 | 78 | 0.71 | 0.59 | 0.45 | 5.5 | 22.11 | 2.2 | 5.8 | 2.6 | 57 | |
| S2A 132S | 3 | 955 | 0.029 | 83.3 | 83.3 | 81.2 | 0.72 | 0.61 | 0.47 | 7.2 | 30 | 2.2 | 5.6 | 2.8 | 60 | 45.5 |
| S2A 132M-a | 4 | 955 | 0.039 | 84.6 | 84.6 | 82.6 | 0.72 | 0.62 | 0.48 | 9.5 | 40 | 2.3 | 6 | 2.9 | 60 | 52.5 |
| S2A 132M-b | 5.5 | 955 | 0.051 | 86 | 86 | 84.3 | 0.73 | 0.63 | 0.49 | 12.7 | 54.99 | 2.4 | 6 | 3 | 60 | 69 |
| S2A 160M | 7.5 | 960 | 0.104 | 87.2 | 87.2 | 0.86 | 0.78 | 0.68 | 0.54 | 15.9 | 74.6 | 2.6 | 7 | 3 | 63 | 88 |
| S2A 160L | 11 | 965 | 0.123 | 88.7 | 88.4 | 87.2 | 0.78 | 69 | 0.54 | 23.0 | 108.8 | 2.6 | 7.4 | 3 | 63 | 114 |
| S2A 180LT | 15 | 970 | 0.16 | 89.7 | 89.2 | 87.8 | 0.78 | 69 | 0.54 | 31 | 147.7 | 2.7 | 7.5 | 3 | 63 | 125 |
| S2A 200L-a | 18.5 | 980 | 0.38 | 90.4 | 90.6 | 89 | 0.86 | 0.81 | 0.7 | 34 | 180.3 | 2.5 | 6.8 | 2.8 | 68 | 134 |
| S2A 200L-b | 22 | 980 | 0.45 | 90.9 | 91 | 89.9 | 0.86 | 0.81 | 0.7 | 41 | 214.4 | 2.7 | 7 | 2.9 | 68 | 155 |
| S2A 225M | 30 | 980 | 0.72 | 91.7 | 91.9 | 91.1 | 0.82 | 0.76 | 0.62 | 58 | 292.3 | 2.6 | 7 | 2.9 | 72 | 295 |
| S2A 250MT | 37 | 980 | 0.864 | 92.2 | 92.3 | 91.7 | 0.82 | 0.76 | 0.62 | 71 | 360.5 | 2.6 | 7 | 2.9 | 73 | 332 |
| S2A 280ST | 45 | 985 | 1.72 | 92.7 | 92.4 | 91.7 | 0.83 | 0.78 | 0.67 | 85 | 436.2 | 2.3 | 6 | 2.3 | 75 | 421 |
| S2A 280MT | 55 | 985 | 2.17 | 93.1 | 92.7 | 91.7 | 0.83 | 0.78 | 0.68 | 103 | 533.2 | 2.4 | 6 | 2.3 | 75 | 490 |
| S2A 315ST | 75 | 985 | 2.68 | 93.7 | 93.2 | 92.3 | 0.83 | 0.78 | 0.68 | 139 | 727.1 | 2.4 | 6 | 2.3 | 75 | 565 |
| S2A 315M-a | 90 | 988 | 3.14 | 94 | 93.5 | 92.4 | 0.83 | 0.8 | 0.68 | 167 | 870 | 2.4 | 6.5 | 2.7 | 82 | 672 |
| S2A 315M-b | 110 | 988 | 3.73 | 94.3 | 93.9 | 93.1 | 0.84 | 0.8 | 0.7 | 201 | 1063 | 2.4 | 6.5 | 2.7 | 82 | 730 |
| S2A 315M-c | 132 | 988 | 4.7 | 94.6 | 94.2 | 93.2 | 0.84 | 0.8 | 0.7 | 240 | 1276 | 2.7 | 7 | 2.9 | 82 | 910 |
| S2A 315M-d | 160 | 988 | 5.7 | 94.8 | 94.4 | 93.5 | 0.84 | 0.81 | 0.7 | 290 | 1546 | 2.7 | 7 | 2.9 | 82 | 1100 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L | 200 | 990 | 6.4 | 95 | 94.9 | 94.4 | 0.86 | 0.83 | 0.74 | 354 | 1929 | 1.9 | 5.6 | 2.2 | 82 | 1370 |
| S2S 355L-a ^(*) | 250 | 990 | 7.9 | 95.1 | 95.2 | 94.6 | 0.86 | 0.83 | 0.75 | 442 | 2411 | 2.2 | 5.6 | 2.2 | 82 | 1572 |
| S2S 355L-b ^(*) | 280 | 990 | 8.7 | 95.1 | 95.3 | 94.6 | 0.86 | 0.83 | 0.75 | 495 | 2701 | 2.2 | 5.8 | 2.3 | 82 | 1660 |
| S2S 355L-c ^(*) | 315 | 990 | 9.8 | 95 | 95.2 | 94.6 | 0.86 | 0.83 | 0.75 | 557 | 3038 | 1.2 | 5.6 | 2.3 | 82 | 1800 |
| S2S 355Lx-a ^(*) | 355 | 990 | 19.8 | 95.5 | 95.5 | 95.4 | 0.89 | 0.87 | 0.79 | 604 | 3424 | 1.4 | 6 | 2.5 | 82 | 2060 |
| S2S 355Lx-b ^(*) | 400 | 990 | 22.3 | 95.5 | 95.6 | 95.5 | 0.89 | 0.87 | 0.79 | 680 | 3858 | 1.4 | 6 | 2.6 | 82 | 2254 |

^(*) Sovratemperatura classe F

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

^(*) Temperature rise class F

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|--|------------------|-------------------|---------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|--------------------|---|
| | kW | giri/min rpm | | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) |
| Serie S3A (carcasa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 80-a | 0.75 | 2860 | 0.00145 | 80.7 | 80 | 0.76 | 0.87 | 0.85 | 0.78 | 1.5 | 2.504 | 2.6 | 6 | 2.8 | 60 | 11.2 |
| S3A 80-b | 1.1 | 2875 | 0.0020 | 82.7 | 82.5 | 0.8 | 0.88 | 0.72 | 0.79 | 2.2 | 3.654 | 2.7 | 6 | 2.8 | 60 | 13.2 |
| S3A 90S | 1.5 | 2937 | 0.0016 | 84.2 | 83.4 | 81 | 0.76 | 0.64 | 0.64 | 3.4 | 4.877 | 3 | 6.2 | 3.2 | 64 | 13.9 |
| S3A 90L | 2.2 | 2840 | 0.0022 | 85.9 | 85.4 | 84.3 | 0.86 | 0.81 | 0.69 | 4.3 | 7.397 | 3 | 6.7 | 3 | 64 | 15.9 |
| S3A 100L | 3 | 2900 | 0.0054 | 87.1 | 87.1 | 86.8 | 0.86 | 0.81 | 0.7 | 5.8 | 9.88 | 2.4 | 6.7 | 3 | 68 | 28 |
| S3A 112M | 4 | 2895 | 0.0083 | 88.1 | 88 | 86.8 | 0.86 | 0.81 | 0.7 | 7.6 | 13.19 | 2.3 | 6.7 | 3 | 68 | 33 |
| S3A 132S-b | 5.5 | 2910 | 0.0143 | 89.2 | 89.3 | 98.0 | 0.89 | 0.87 | 0.81 | 10.0 | 18.05 | 2.3 | 7 | 3 | 70 | 49.5 |
| S3A 132S-b | 7.5 | 2930 | 0.016 | 90.1 | 91 | 89.4 | 0.89 | 0.87 | 0.81 | 13.5 | 24.4 | 2.2 | 7 | 3 | 70 | 53 |
| S3A 160M-a | 11 | 2947 | 0.041 | 91.2 | 91 | 89.4 | 0.9 | 0.88 | 0.81 | 19.4 | 36 | 2.8 | 8.3 | 3.4 | 70 | 90 |
| S3A 160M-b | 15 | 2947 | 0.048 | 91.9 | 91.8 | 90.0 | 0.89 | 0.86 | 0.78 | 26.5 | 49 | 2.8 | 8 | 3.4 | 70 | 110 |
| S3A 160L | 18.5 | 2948 | 0.055 | 92.4 | 92.0 | 90.6 | 0.88 | 0.85 | 0.74 | 32.9 | 60 | 2.8 | 7.5 | 3 | 70 | 116 |
| S3A 180L-T | 22 | 2960 | 0.060 | 92.7 | 92 | 91.1 | 0.89 | 0.86 | 0.78 | 38.5 | 71 | 2.6 | 7.7 | 3.4 | 71 | 160 |
| S3A 200LT | 30 | 2960 | 0.126 | 93.3 | 93.2 | 92.1 | 0.9 | 0.87 | 0.80 | 51.6 | 97 | 2.6 | 7.8 | 3.5 | 78 | 184 |
| S3A 200L | 37 | 2965 | 0.182 | 93.7 | 93.3 | 92 | 0.9 | 0.87 | 0.80 | 63.4 | 119 | 2.6 | 7.8 | 3.3 | 78 | 220 |
| S3A 225MT | 45 | 2965 | 0.182 | 94.0 | 93.4 | 92.4 | 0.9 | 0.88 | 0.81 | 76.0 | 145 | 2.6 | 7.8 | 3.2 | 78 | 220 |
| S3A 250MT | 55 | 2970 | 0.349 | 94.3 | 93.7 | 92.5 | 0.9 | 0.89 | 0.84 | 92.6 | 177 | 2.7 | 7.5 | 3 | 78 | 330 |
| S3A 280ST | 75 | 2970 | 0.707 | 94.7 | 94.6 | 93.8 | 0.91 | 0.90 | 0.87 | 126 | 241 | 2.3 | 7 | 2.7 | 82 | 495 |
| S3A 280MT | 90 | 2970 | 0.840 | 95 | 94.7 | 93.7 | 0.91 | 0.90 | 0.87 | 150 | 289 | 2.6 | 7.5 | 3 | 82 | 550 |
| S3A 315S | 110 | 2973 | 1.531 | 95.2 | 94.8 | 93.7 | 0.91 | 0.9 | 0.87 | 183 | 353 | 1.9 | 6.8 | 2.4 | 84 | 750 |
| S3A 315Ma | 132 | 2973 | 1.837 | 95.4 | 95.1 | 94.2 | 0.91 | 0.9 | 0.89 | 220 | 424 | 2 | 7 | 2.4 | 84 | 810 |
| S3A 315Md | 160 | 2973 | 2.143 | 95.6 | 95.5 | 94.8 | 0.91 | 0.91 | 0.9 | 266 | 514 | 2.1 | 6.8 | 2.5 | 84 | 916 |
| S3A 315Me | 200 | 2975 | 2.449 | 95.8 | 95.7 | 95.4 | 0.91 | 0.91 | 0.89 | 332 | 642 | 2.2 | 7 | 2.5 | 84 | 1005 |
| Serie S3S (carcasa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-a | 250 | 2982 | 4.35 | 95.8 | 95.5 | 94.6 | 0.91 | 0.91 | 0.88 | 414 | 801 | 2.2 | 7 | 2.3 | 85 | 1560 |
| S3S 355L-b | 280 | 2983 | 4.69 | 95.8 | 95.6 | 94.8 | 0.91 | 0.91 | 0.88 | 464 | 898 | 2.4 | 7.4 | 2.4 | 85 | 1720 |
| S3S 355Lx-a | 315 | 2985 | 6.23 | 95.8 | 95.7 | 94.8 | 0.91 | 0.91 | 0.89 | 522 | 1010 | 1.5 | 6.5 | 2.3 | 85 | 1800 |
| S3S 355Lx-b | 355 | 2985 | 6.82 | 95.8 | 95.7 | 95.1 | 0.91 | 0.9 | 0.89 | 588 | 1202 | 1.6 | 6.7 | 2.4 | 85 | 1900 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|--------------------|---|
| | kW | giri/min rpm | | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 80-b | 0.75 | 1360 | 0.0019 | 82.5 | 79 | 78 | 0.73 | 0.69 | 0.58 | 1.8 | 5.27 | 2.3 | 5 | 2.3 | 50 | 11 |
| S3A 90S | 1.1 | 1428 | 0.0034 | 84.1 | 83 | 79 | 0.74 | 0.64 | 0.48 | 2.6 | 7.36 | 2.8 | 5.8 | 3.1 | 51 | 16 |
| S3A 90L | 1.5 | 1430 | 0.0040 | 85.3 | 84 | 81 | 0.75 | 0.65 | 0.5 | 3.4 | 10.02 | 3 | 6 | 3.2 | 51 | 18.4 |
| S3A 100L-a | 2.2 | 1435 | 0.0083 | 86.7 | 86.3 | 84.3 | 0.75 | 0.66 | 0.52 | 4.9 | 14.64 | 2.7 | 6.4 | 3.4 | 54 | 26.2 |
| S3A 100L-b | 3 | 1425 | 0.0097 | 85.5 | 85.8 | 84.9 | 0.78 | 0.73 | 0.62 | 6.5 | 20.10 | 2.8 | 6.6 | 3.5 | 54 | 29 |
| S3A 112M | 4 | 1435 | 0.0198 | 88.6 | 88.3 | 87.0 | 0.78 | 0.70 | 0.56 | 8.4 | 26.62 | 2.8 | 6.5 | 3 | 54 | 48 |
| S3A 132sa | 5.5 | 1463 | 0.033 | 89.6 | 89.6 | 88.4 | 0.78 | 0.70 | 0.56 | 11.4 | 35.9 | 2.3 | 6.5 | 2.8 | 54 | 58 |
| S3A 132Ma | 7.5 | 1463 | 0.037 | 90.4 | 90.0 | 88.0 | 0.78 | 0.70 | 0.57 | 15.37 | 49.0 | 2.2 | 6.5 | 2.8 | 54 | 65 |
| S3A 160M | 11 | 1470 | 0.092 | 91.4 | 91.4 | 91.0 | 0.81 | 0.75 | 0.62 | 21.5 | 71.5 | 2.8 | 6.3 | 2.7 | 58 | 104 |
| S3A 160L | 15 | 1470 | 0.108 | 92.1 | 92.0 | 91.8 | 0.84 | 0.79 | 0.70 | 28.0 | 97.4 | 2.8 | 6.3 | 2.6 | 62 | 125 |
| S3A 180MT | 18.5 | 1470 | 0.117 | 92.6 | 92.2 | 92.0 | 0.8 | 0.79 | 0.68 | 35 | 120.2 | 2.8 | 6.3 | 2.6 | 62 | 133 |
| S3A 180L | 22 | 1471 | 0.194 | 93 | 92.7 | 91.3 | 0.82 | 0.77 | 0.65 | 42 | 142.8 | 2.8 | 7.4 | 3.2 | 62 | 180 |
| S3A 200L | 30 | 1471 | 0.373 | 93.6 | 93.4 | 92.6 | 0.86 | 0.82 | 0.70 | 54 | 194.7 | 2.8 | 7.4 | 3 | 64 | 230 |
| S3A 225ST | 37 | 1473 | 0.397 | 93.9 | 93.4 | 92.6 | 0.86 | 0.82 | 0.7 | 66 | 239.9 | 2.8 | 7.8 | 3.2 | 64 | 242 |
| S3A 225M | 45 | 1476 | 0.549 | 94.2 | 94.0 | 93.3 | 0.88 | 0.84 | 0.73 | 78 | 291 | 3 | 8 | 3.4 | 64 | 310 |
| S3A 250M | 55 | 1480 | 0.977 | 94.6 | 94.4 | 93.8 | 0.88 | 0.84 | 0.77 | 95 | 355 | 2.6 | 6.4 | 2.6 | 65 | 360 |
| S3A 280ST | 75 | 1480 | 1.486 | 95 | 94.8 | 94.5 | 0.88 | 0.85 | 0.78 | 130 | 484 | 2.8 | 6.5 | 2.6 | 69 | 474 |
| S3A 280MT | 90 | 1482 | 1.720 | 95.2 | 95.1 | 94.5 | 0.88 | 0.85 | 0.78 | 155 | 580 | 2.8 | 6.8 | 2.7 | 69 | 532 |
| S3A 315S | 110 | 1484 | 3.310 | 95.4 | 95.4 | 94.6 | 0.88 | 0.86 | 0.80 | 189 | 708 | 2.5 | 7 | 2.5 | 78 | 733 |
| S3A 315M-b | 132 | 1487 | 3.310 | 95.5 | 95.8 | 95.4 | 0.88 | 0.86 | 0.80 | 227 | 848 | 2.4 | 7 | 2.5 | 78 | 733 |
| S3A 315M-c | 160 | 1485 | 3.972 | 95.8 | 95.8 | 95.3 | 0.88 | 0.86 | 0.80 | 274 | 1029 | 2.7 | 7.6 | 2.7 | 78 | 848 |
| S3A 315M-d | 200 | 1486 | 4.800 | 96.0 | 95.9 | 95.6 | 0.88 | 0.86 | 0.78 | 342 | 1285 | 2.7 | 8.2 | 2.9 | 78 | 1026 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-b | 250 | 1488 | 4.760 | 96.0 | 96.0 | 95.2 | 0.88 | 0.86 | 0.77 | 428 | 1604 | 2.6 | 7 | 2.5 | 84 | 1480 |
| S3S 355L-c | 315 | 1488 | 5.752 | 96 | 96 | 95.5 | 0.88 | 0.87 | 0.80 | 539 | 2021 | 2.6 | 7 | 2.5 | 84 | 1680 |
| S3S 355Lx-a | 355 | 1492 | 11.657 | 96 | 96 | 95.6 | 0.89 | 0.88 | 0.83 | 600 | 2272 | 2 | 6.2 | 2.4 | 84 | 1960 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J kgm ² | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|--|------------------|-------------------|-----------------------|--------------------------|------|------|--|------|-------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S3A (carcasa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 90S | 0.75 | 926 | 0.0060 | 78.9 | 77 | 72 | 0.67 | 0.56 | 0.42 | 2.05 | 7.7 | 2.8 | 4.8 | 2.9 | 54 | 11 |
| S3A 90L | 1.1 | 925 | 0.0072 | 81 | 80 | 77 | 0.69 | 0.58 | 0.44 | 2.8 | 11.4 | 3 | 5 | 3.2 | 54 | 13.6 |
| S3A 100L | 1.5 | 950 | 0.0134 | 82.5 | 81 | 77 | 0.69 | 0.58 | 0.44 | 3.8 | 15.1 | 2.4 | 5.2 | 2.8 | 56 | 25 |
| S3A 112M | 2.2 | 950 | 0.0242 | 84.3 | 83.5 | 81 | 0.72 | 0.63 | 0.5 | 5.2 | 22.1 | 2.3 | 5.8 | 2.6 | 56 | 44 |
| S3A 132S | 3 | 954 | 0.0389 | 85.6 | 85.5 | 84 | 0.75 | 0.67 | 0.53 | 6.8 | 30.0 | 2.2 | 6 | 2.8 | 59 | 52.5 |
| S3A 132M-a | 4 | 956 | 0.0511 | 86.8 | 86.8 | 85.6 | 0.76 | 0.67 | 0.53 | 8.8 | 40.0 | 2.3 | 6 | 2.9 | 59 | 69 |
| S3A132M-b | 5.5 | 957 | 0.0584 | 88 | 87.6 | 86.4 | 0.76 | 0.67 | 0.53 | 11.9 | 54.9 | 2.4 | 6.3 | 3 | 59 | 77 |
| S3A 160M | 7.5 | 960 | 0.135 | 89.1 | 89 | 88.9 | 0.82 | 0.76 | 0.63 | 14.8 | 74.6 | 2.6 | 7.5 | 2.9 | 63 | 104 |
| S3A 160L | 11 | 965 | 0.159 | 90.3 | 90.2 | 89.6 | 0.8 | 0.73 | 0.6 | 22.0 | 108.8 | 2.7 | 7.8 | 3 | 63 | 125 |
| S3A 180L | 15 | 981 | 0.330 | 91.2 | 91.2 | 90.0 | 0.8 | 0.73 | 0.62 | 28.3 | 146 | 2.8 | 6.5 | 2.8 | 63 | 163 |
| S3A 200LT | 18.5 | 981 | 0.377 | 91.7 | 91.6 | 91.3 | 0.85 | 0.80 | 0.68 | 34.3 | 180 | 2.7 | 6.7 | 2.8 | 68 | 180 |
| S3A 200L-b | 22 | 982 | 0.483 | 92.2 | 92.2 | 91.6 | 0.85 | 0.80 | 0.68 | 41 | 214 | 2.8 | 7 | 2.9 | 70 | 210 |
| S3A 225M | 30 | 983 | 0.92 | 92.9 | 92.7 | 92.4 | 0.85 | 0.80 | 0.69 | 55 | 291 | 2.7 | 7 | 2.9 | 72 | 310 |
| S3A 250M | 37 | 992 | 1.72 | 93.3 | 93.2 | 92.2 | 0.83 | 0.78 | 0.69 | 69 | 356 | 2.8 | 7 | 2.4 | 75 | 340 |
| S3A 280ST | 45 | 993 | 2.17 | 93.7 | 93.6 | 92.4 | 0.83 | 0.78 | 0.70 | 84 | 433 | 3 | 7.8 | 2.5 | 75 | 435 |
| S3A 280MT | 55 | 985 | 2.68 | 94.1 | 94.1 | 93.6 | 0.83 | 0.78 | 0.67 | 102 | 533 | 3 | 7.3 | 2.8 | 75 | 514 |
| S3A 315S | 75 | 988 | 3.14 | 94.6 | 94.4 | 93.7 | 0.84 | 0.78 | 0.68 | 136 | 725 | 2.5 | 6 | 2.3 | 82 | 672 |
| S3A 315M-a | 90 | 989 | 3.63 | 94.9 | 94.8 | 93.7 | 0.84 | 0.78 | 0.68 | 163 | 869 | 2.5 | 7 | 2.7 | 82 | 730 |
| S3A 315M-b | 110 | 989 | 4.71 | 95.1 | 95 | 94.4 | 0.84 | 0.79 | 0.69 | 199 | 1062 | 2.5 | 7 | 2.8 | 82 | 919 |
| S3A 315M-d | 132 | 989 | 5.69 | 95.4 | 95.3 | 94.9 | 0.84 | 0.8 | 0.721 | 238 | 1274 | 2.6 | 7 | 2.9 | 82 | 1100 |
| Serie S3S (carcasa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-a | 160 | 990 | 6.39 | 94.8 | 94.4 | 93.5 | 0.84 | 0.81 | 0.7 | 290 | 1543 | 1.8 | 5.8 | 2.4 | 82 | 1300 |
| S3S 355L-b | 200 | 990 | 7.98 | 95.8 | 95.3 | 94.7 | 0.86 | 0.83 | 0.75 | 351 | 1929 | 1.8 | 5.8 | 2.4 | 82 | 1584 |
| S3S 355L-c | 250 | 990 | 8.71 | 95.8 | 95.6 | 95 | 0.86 | 0.83 | 0.75 | 439 | 2411 | 1.9 | 6 | 2.5 | 82 | 1744 |
| S3S 355Lx-a | 280 | 992 | 11.50 | 95.8 | 95.7 | 95.1 | 0.83 | 0.8 | 0.72 | 509 | 2695 | 1.9 | 5.6 | 1.9 | 82 | 1960 |
| S3S 355Lx-b | 315 | 992 | 13.18 | 95.8 | 95.8 | 95.4 | 0.83 | 0.81 | 0.74 | 572 | 3032 | 1.9 | 5.6 | 1.9 | 82 | 2060 |
| S3S 355Lx-c | 355 | 992 | 14.38 | 95.8 | 95.8 | 95.7 | 0.83 | 0.81 | 0.74 | 645 | 3417 | 2 | 5.6 | 2 | 82 | 2200 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

2-4 poli - 3.000-1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

2-4 poles - 3.000-1.500 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|------|------------------|--------------------------|----|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----|--|-----|------------------------------------|-----|--|
| | kW | | giri/min rpm | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | kg |
| | 2p | 4p | 2p | 4p | | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 63 | 0.22 | 0.044 | 2670 | 1130 | 0.00024 | 58 | 53 | 0.87 | 0.75 | 0.63 | 0.16 | 0.79 | 0.32 | 1.4 | 1.5 | 3 | 2.6 | 1.5 | 1.6 | 3.8 |
| SA 63 | 0.26 | 0.051 | 2680 | 1340 | 0.00029 | 60 | 56 | 0.87 | 0.75 | 0.72 | 0.18 | 0.93 | 0.36 | 1.4 | 1.5 | 3 | 2.6 | 1.5 | 1.6 | 4.1 |
| SA 71 | 0.37 | 0.075 | 2750 | 1370 | 0.00035 | 70 | 56 | 0.88 | 0.78 | 0.87 | 0.25 | 1.29 | 0.5 | 1.4 | 1.8 | 3 | 2.6 | 1.5 | 1.9 | 5.7 |
| SA 71 | 0.55 | 0.11 | 2780 | 1390 | 0.00052 | 71 | 60 | 0.88 | 0.78 | 1.27 | 0.34 | 1.89 | 0.8 | 1.5 | 2 | 3.8 | 3.7 | 1.7 | 2.2 | 7 |
| SA 80 | 0.75 | 0.15 | 2810 | 1405 | 0.0015 | 71 | 66 | 0.86 | 0.75 | 1.78 | 0.44 | 2.55 | 1.0 | 1.7 | 1.9 | 3.8 | 3.5 | 1.8 | 2 | 8.4 |
| SA 80 | 0.95 | 0.25 | 2820 | 1415 | 0.0017 | 71 | 69 | 0.84 | 0.80 | 2.3 | 0.7 | 3.22 | 1.7 | 2.2 | 2 | 5 | 4.3 | 2.3 | 2.1 | 10 |
| SA 90S | 1.40 | 0.33 | 2820 | 1415 | 0.0022 | 71 | 69 | 0.85 | 0.83 | 3.4 | 0.8 | 4.74 | 2.2 | 1.8 | 1.9 | 4.5 | 3.9 | 2 | 2.1 | 11.9 |
| SA 90L | 1.84 | 0.37 | 2825 | 1415 | 0.0028 | 71 | 72 | 0.85 | 0.80 | 4.4 | 0.9 | 6.22 | 2.5 | 1.9 | 2.2 | 4.6 | 4.8 | 2.1 | 2.3 | 14.2 |
| SA 90L | 2 | 0.50 | 2830 | 1415 | 0.0032 | 72 | 73 | 0.84 | 0.82 | 4.8 | 1.2 | 6.75 | 3.4 | 2 | 2.1 | 4.6 | 4.5 | 2.2 | 2.4 | 15 |
| SA 100L | 2.5 | 0.65 | 2830 | 1400 | 0.0057 | 70 | 70 | 0.86 | 0.87 | 6 | 1.5 | 8.44 | 4.4 | 1.8 | 1.6 | 4.6 | 3.5 | 2 | 1.8 | 20 |
| SA 100L | 3.1 | 0.80 | 2845 | 1405 | 0.0071 | 73 | 70 | 0.86 | 0.89 | 7.1 | 1.9 | 10.4 | 5.4 | 2 | 1.8 | 5.2 | 4.7 | 2.2 | 2 | 22.4 |
| SA 112MT | 4.4 | 1.1 | 2860 | 1415 | 0.0092 | 79 | 71 | 0.85 | 0.87 | 9.5 | 2.6 | 14.7 | 7.4 | 2 | 1.8 | 5.5 | 4.9 | 2.2 | 2 | 27 |
| SA 132S | 5.9 | 1.45 | 2870 | 1435 | 0.0207 | 82 | 80 | 0.84 | 0.85 | 12.4 | 3.1 | 19.6 | 9.7 | 2 | 1.8 | 5.5 | 5.4 | 2.2 | 2 | 43 |
| SA 132M | 8 | 2 | 2875 | 1445 | 0.0282 | 84 | 82 | 0.84 | 0.85 | 16.4 | 4.1 | 26.6 | 13.2 | 2 | 1.8 | 6.2 | 6 | 2.2 | 2 | 50.3 |
| SA 160MT | 11.5 | 2.9 | 2875 | 1445 | 0.0395 | 86 | 85 | 0.85 | 0.86 | 23 | 5.7 | 38.2 | 19.2 | 2 | 1.8 | 7 | 6.9 | 2.2 | 2 | 69.5 |
| SA 160L | 15.5 | 3.8 | 2915 | 1460 | 0.0800 | 87 | 87 | 0.87 | 0.90 | 30 | 7.0 | 50.8 | 24.9 | 2.3 | 2.2 | 6.5 | 6.1 | 2.4 | 2.3 | 89 |
| SA 180MT | 18.5 | 4.0 | 2930 | 1465 | 0.0978 | 87 | 88 | 0.87 | 0.88 | 35 | 7.5 | 60.3 | 26.1 | 2.5 | 2.8 | 7.3 | 7.9 | 2.7 | 2.9 | 110 |
| SA 180LT | 22 | 4.4 | 2940 | 1470 | 0.124 | 87 | 88 | 0.87 | 0.88 | 42 | 8.2 | 71.5 | 28.6 | 2.6 | 2.9 | 7.5 | 8 | 2.8 | 3 | 128 |
| SA 200LT | 30 | 5.9 | 2940 | 1470 | 0.180 | 88 | 88 | 0.89 | 0.90 | 55 | 10.8 | 97.5 | 38.3 | 2.2 | 2.5 | 7.9 | 8.4 | 2.4 | 2.6 | 170 |
| SA 225ST | 37 | 7.5 | 2945 | 1475 | 0.345 | 88 | 87 | 0.89 | 0.90 | 68 | 13.8 | 120 | 48.6 | 2.3 | 2.4 | 8.3 | 8.3 | 2.5 | 2.6 | 220 |
| SA 225MT | 44 | 8.8 | 2945 | 1475 | 0.419 | 88 | 87 | 0.89 | 0.90 | 81 | 16.2 | 143 | 57 | 2.3 | 2.4 | 8.3 | 8.5 | 2.5 | 2.6 | 250 |
| SA 250MT | 55 | 11 | 2950 | 1480 | 0.541 | 89 | 89 | 0.90 | 0.89 | 99 | 20 | 178 | 71 | 2.3 | 2.6 | 8.3 | 8.7 | 2.5 | 2.8 | 340 |
| SA 280ST | 66 | 15 | 2960 | 1485 | 1.23 | 90 | 91 | 0.90 | 0.90 | 118 | 26 | 213 | 96.5 | 2.3 | 2.5 | 8.4 | 8.7 | 2.5 | 2.7 | 415 |
| SA 280MT | 85 | 18.4 | 2960 | 1485 | 1.39 | 90 | 91 | 0.90 | 0.90 | 152 | 32 | 274 | 118 | 2.2 | 2.4 | 8.2 | 8.5 | 2.4 | 2.6 | 470 |
| SA 315M | 96 | 22 | 2975 | 1485 | 2.68 | 90 | 91 | 0.88 | 0.84 | 175 | 42 | 308 | 142 | 2.4 | 2.7 | 8 | 8.1 | 2.5 | 2.8 | 590 |
| SA 315M | 110 | 26 | 2978 | 1487 | 2.58 | 90 | 91 | 0.88 | 0.84 | 201 | 49 | 353 | 167 | 2.5 | 2.8 | 8 | 8.1 | 2.6 | 2.9 | 720 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

4-8 poli - 1.500-750 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

4-8 poles - 1.500-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|----|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 4p | 8p | 4p | 8p | 4p | | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.18 | 0.037 | 1385 | 685 | 0.00105 | 54 | 37 | 0.78 | 0.59 | 0.62 | 0.24 | 1.24 | 0.52 | 1.7 | 1.5 | 2.9 | 2.1 | 1.8 | 1.6 | 5.8 |
| SA 71 | 0.22 | 0.044 | 1390 | 690 | 0.00129 | 55 | 38 | 0.78 | 0.60 | 0.74 | 0.28 | 1.51 | 0.61 | 1.8 | 1.6 | 3 | 2.2 | 1.9 | 1.7 | 6.5 |
| SA 71 | 0.26 | 0.051 | 1390 | 690 | 0.00157 | 56 | 40 | 0.78 | 0.60 | 0.86 | 0.31 | 1.79 | 0.71 | 1.8 | 1.6 | 3 | 2.2 | 1.9 | 1.7 | 7.4 |
| SA 80 | 0.5 | 0.1 | 1395 | 695 | 0.00256 | 66 | 55 | 0.78 | 0.62 | 1 | 0.42 | 3.42 | 1.37 | 1.6 | 1.9 | 3.9 | 2.9 | 1.9 | 2 | 9.8 |
| SA 80 | 0.7 | 0.15 | 1395 | 695 | 0.00329 | 67 | 62 | 0.80 | 0.63 | 1.9 | 0.55 | 4.79 | 2.06 | 1.6 | 1.8 | 4.1 | 3 | 1.9 | 2 | 11.4 |
| SA 90S | 1.1 | 0.22 | 1410 | 690 | 0.0022 | 68 | 46 | 0.7 | 0.45 | 3.34 | 1.5 | 7.45 | 3.04 | 1.8 | 2.1 | 4.5 | 2.6 | 2.2 | 2.3 | 11.9 |
| SA 90L | 1.5 | 0.25 | 1410 | 690 | 0.0028 | 70 | 50 | 0.75 | 0.45 | 4.13 | 1.6 | 10.2 | 4.46 | 2 | 2.3 | 4.8 | 3 | 2.5 | 2.6 | 14.2 |
| SA 100L | 2.2 | 0.37 | 1410 | 695 | 0.0064 | 76 | 54 | 0.8 | 0.58 | 5.23 | 1.7 | 14.9 | 5.08 | 2 | 2 | 5.2 | 2.9 | 2.4 | 2.2 | 21.2 |
| SA 100L | 3 | 0.55 | 1415 | 695 | 0.0086 | 79 | 58 | 0.79 | 0.55 | 6.95 | 2.5 | 20.2 | 7.56 | 2.2 | 2 | 5.5 | 2.8 | 2.5 | 2.3 | 23.5 |
| SA 112M | 4.0 | 0.75 | 1430 | 700 | 0.0147 | 82 | 65 | 0.80 | 0.62 | 8.8 | 2.7 | 26.7 | 10.2 | 2.3 | 2 | 5.5 | 3 | 2.5 | 2.3 | 34 |
| SA 132S | 5.5 | 1.4 | 1430 | 700 | 0.0244 | 82 | 66 | 0.81 | 0.65 | 12.0 | 4.7 | 36.7 | 19.1 | 2.3 | 2 | 6 | 3.2 | 2.6 | 2.3 | 46.8 |
| SA 132M | 6.5 | 1.5 | 1430 | 705 | 0.028 | 84 | 67 | 0.81 | 0.63 | 13.8 | 5.1 | 43.4 | 21.7 | 2.4 | 2 | 6.4 | 3.5 | 2.7 | 2.4 | 50.3 |
| SA 132M | 7.5 | 1.8 | 1440 | 705 | 0.034 | 84 | 71 | 0.81 | 0.60 | 15.9 | 6.1 | 49.8 | 24.4 | 2.4 | 2 | 6.6 | 3.6 | 3 | 2.4 | 55.8 |
| SA 160MT | 9 | 2.2 | 1450 | 705 | 0.034 | 85 | 72 | 0.82 | 0.61 | 19 | 7.2 | 59.3 | 29.8 | 2.4 | 2.1 | 6.6 | 3.8 | 2.7 | 2.4 | 69.5 |
| SA 160M | 11 | 2.8 | 1460 | 715 | 0.039 | 85 | 72 | 0.82 | 0.70 | 22.8 | 8.0 | 72 | 37.4 | 2.4 | 1.7 | 6 | 4.0 | 2.3 | 1.7 | 71 |
| SA 160L | 13 | 3 | 1460 | 715 | 0.058 | 87 | 75 | 0.82 | 0.70 | 26.3 | 8.3 | 85.1 | 40.1 | 2.5 | 1.7 | 6 | 4.0 | 2.3 | 1.7 | 89 |
| SA 160L | 15 | 3.5 | 1460 | 720 | 0.058 | 88 | 77 | 0.86 | 0.71 | 28.6 | 9.3 | 98.1 | 50.4 | 2.5 | 1.7 | 6 | 4.2 | 2.3 | 1.7 | 110 |
| SA 180MT | 18.5 | 4.8 | 1460 | 720 | 0.080 | 88 | 79 | 0.86 | 0.71 | 35 | 12.4 | 121 | 59.7 | 2.5 | 1.7 | 6 | 4 | 2.3 | 1.7 | 119 |
| SA 180L | 22 | 5.3 | 1460 | 720 | 0.098 | 88 | 79 | 0.86 | 0.71 | 42 | 13.7 | 144 | 73 | 2 | 1.7 | 6 | 4 | 2.4 | 1.8 | 155 |
| SA 200LT | 30 | 7 | 1465 | 720 | 0.098 | 89 | 86 | 0.82 | 0.68 | 59 | 17.3 | 196 | 99.5 | 2.5 | 2 | 6.8 | 4.0 | 2.7 | 2.1 | 179 |
| SA 225ST | 37 | 9 | 1465 | 725 | 0.116 | 89 | 82 | 0.87 | 0.70 | 69 | 23 | 241 | 119 | 2.5 | 2 | 6.8 | 4.2 | 2.8 | 2 | 216 |
| SA 225MT | 45 | 11 | 1465 | 725 | 0.161 | 89 | 82 | 0.87 | 0.70 | 84 | 28 | 293 | 145 | 2.5 | 2 | 6.8 | 4.2 | 2.8 | 2 | 235 |
| SA 250MT | 50 | 12 | 1470 | 730 | 0.206 | 90 | 82 | 0.89 | 0.73 | 90 | 29 | 325 | 157 | 2.5 | 1.9 | 7.2 | 4.5 | 2.8 | 2 | 308 |
| SA 250MT | 56 | 14 | 1470 | 730 | 0.345 | 90 | 83 | 0.89 | 0.80 | 101 | 30.5 | 364 | 183 | 2.4 | 1.9 | 7.2 | 4.5 | 2.8 | 2 | 308 |
| SA 280ST | 60 | 15 | 1480 | 730 | 0.34 | 91 | 86 | 0.87 | 0.73 | 110 | 35 | 390 | 196 | 2.5 | 1.9 | 7 | 4.5 | 2.4 | 1.8 | 330 |
| SA 280MT | 75 | 19 | 1480 | 735 | 0.39 | 92 | 87 | 0.87 | 0.73 | 135 | 42.1 | 484 | 242 | 2.5 | 2 | 7 | 4.6 | 2.5 | 1.8 | 415 |
| SA 315ST | 90 | 22 | 1480 | 735 | 0.58 | 92 | 87 | 0.86 | 0.73 | 164 | 50.1 | 581 | 286 | 2.5 | 2 | 7.1 | 4.7 | 2.6 | 1.9 | 496 |
| SA 315M | 110 | 28 | 1485 | 740 | 0.58 | 92 | 87 | 0.87 | 0.73 | 199 | 63.7 | 710 | 364 | 2.6 | 2.1 | 7.4 | 6 | 3 | 2 | 628 |
| SA 315M | 132 | 33 | 1485 | 740 | 0.58 | 92 | 90 | 0.86 | 0.72 | 241 | 73.6 | 852 | 429 | 2.5 | 2 | 7.5 | 5.5 | 2 | 1.9 | 700 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - due avvolgimenti separati

4-6 poli - 1.500-1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

4-6 poles - 1.500-1.000 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|------------------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----|--|-----|------------------------------------|-----|--|
| | kW | | giri/min rpm | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | kg |
| | 4p | 6p | 4p | 6p | | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.18 | 0.05 | 1410 | 950 | 0.00039 | 50 | 35 | 0.65 | 0.55 | 0.80 | 0.38 | 1.22 | 0.51 | 1.3 | 1.5 | 2.4 | 1.9 | 1.5 | 1.6 | 5.8 |
| SA 71 | 0.26 | 0.075 | 1415 | 960 | 0.00129 | 50 | 35 | 0.70 | 0.60 | 1.07 | 0.52 | 1.76 | 0.75 | 1.3 | 1.5 | 2.4 | 1.9 | 1.5 | 1.6 | 6.5 |
| SA 80 | 0.40 | 0.12 | 1405 | 940 | 0.00164 | 63 | 55 | 0.71 | 0.69 | 1.29 | 0.46 | 2.72 | 1.22 | 1.4 | 1.4 | 3 | 2.5 | 1.6 | 1.5 | 7.4 |
| SA 80 | 0.55 | 0.18 | 1420 | 950 | 0.00256 | 63 | 57 | 0.72 | 0.69 | 1.75 | 0.66 | 3.7 | 1.81 | 1.6 | 1.5 | 3.4 | 3 | 1.8 | 1.6 | 9.8 |
| SA 90S | 0.8 | 0.29 | 1425 | 955 | 0.00354 | 73 | 60 | 0.74 | 0.70 | 2.14 | 1 | 5.36 | 2.9 | 1.7 | 1.4 | 4.4 | 3.1 | 2 | 1.5 | 13.5 |
| SA 90L | 1.1 | 0.38 | 1425 | 955 | 0.00505 | 73 | 60 | 0.77 | 0.70 | 2.8 | 1.31 | 7.37 | 3.8 | 1.7 | 1.4 | 4.4 | 3.1 | 2 | 1.5 | 15.5 |
| SA 100L | 1.7 | 0.6 | 1425 | 950 | 0.0087 | 73 | 61 | 0.85 | 0.77 | 4.0 | 1.85 | 11.4 | 6.03 | 1.4 | 1.3 | 4.4 | 3.4 | 1.9 | 1.8 | 19.6 |
| SA 100L | 2.1 | 0.75 | 1430 | 955 | 0.012 | 75 | 61 | 0.84 | 0.77 | 4.85 | 2.3 | 14 | 7.5 | 1.5 | 1.3 | 5.3 | 3.5 | 2 | 1.8 | 23.5 |
| SA 112MT | 2.6 | 0.8 | 1430 | 955 | 0.014 | 75 | 63 | 0.85 | 0.77 | 5.9 | 2.4 | 17.4 | 8 | 1.6 | 1.4 | 5.5 | 3.6 | 2 | 1.8 | 26 |
| SA 112M | 3 | 0.9 | 1445 | 960 | 0.015 | 78 | 70 | 0.80 | 0.70 | 6.9 | 2.7 | 19.8 | 8.96 | 1.9 | 1.5 | 5.7 | 4.7 | 2.2 | 1.9 | 37 |
| SA 132S | 3.6 | 1.2 | 1450 | 965 | 0.031 | 82 | 74 | 0.82 | 0.75 | 7.7 | 3.1 | 23.7 | 11.9 | 1.9 | 1.5 | 6.7 | 5.1 | 2.4 | 2.3 | 45.5 |
| SA 132M | 5.5 | 1.7 | 1450 | 965 | 0.041 | 83 | 74 | 0.82 | 0.76 | 10.6 | 4.4 | 32.9 | 16.8 | 2 | 1.6 | 7 | 5.1 | 2.7 | 2.5 | 52.5 |
| SA 160MT | 7.2 | 2.5 | 1450 | 965 | 0.054 | 84 | 77 | 0.83 | 0.76 | 14.9 | 6.2 | 47.4 | 24.7 | 1.9 | 1.5 | 7 | 5.4 | 2.7 | 2.5 | 69 |
| SA 160L | 10 | 3.3 | 1450 | 980 | 0.109 | 85 | 80 | 0.87 | 0.70 | 19.5 | 8.5 | 65.9 | 32.2 | 1.6 | 1.5 | 6 | 5.5 | 2.2 | 1.9 | 82 |
| SA 180MT | 16 | 5.5 | 1450 | 982 | 0.129 | 87 | 82 | 0.88 | 0.72 | 30 | 13.5 | 105 | 53.5 | 1.7 | 1.6 | 6 | 5.8 | 2.4 | 2 | 114 |
| SA 180LT | 19 | 6.5 | 1450 | 985 | 0.174 | 87 | 82 | 0.85 | 0.71 | 37 | 16.1 | 125 | 63 | 2.1 | 1.9 | 7.2 | 6.6 | 2.7 | 2.5 | 130 |
| SA 200LT | 26 | 9.5 | 1472 | 985 | 0.193 | 88 | 84 | 0.85 | 0.78 | 50 | 21 | 169 | 92.1 | 1.9 | 1.8 | 7 | 5.7 | 2.3 | 1.9 | 180 |
| SA 225ST | 34 | 12 | 1480 | 985 | 0.370 | 89 | 85 | 0.86 | 0.79 | 64 | 25.8 | 219 | 116 | 2.3 | 2 | 7.4 | 5.5 | 2.8 | 2.4 | 235 |
| SA 225MT | 40 | 14.5 | 1480 | 985 | 0.419 | 90 | 86 | 0.87 | 0.80 | 74 | 30.5 | 258 | 141 | 2.4 | 2 | 7.9 | 6 | 2.9 | 2.5 | 260 |
| SA 250MT | 52 | 18 | 1480 | 985 | 0.613 | 90 | 86 | 0.90 | 0.80 | 93 | 38 | 336 | 175 | 2.2 | 1.9 | 7.9 | 6.2 | 2.7 | 2.2 | 360 |
| SA 280ST | 70 | 25 | 1480 | 987 | 1.39 | 91 | 89 | 0.90 | 0.83 | 124 | 49 | 452 | 242 | 2.6 | 2.4 | 7.3 | 6.5 | 2.8 | 2.5 | 470 |
| SA 280MT | 82 | 30 | 1485 | 987 | 1.55 | 91 | 89 | 0.90 | 0.84 | 145 | 58 | 527 | 290 | 2.7 | 2.4 | 7.5 | 6.5 | 2.9 | 2.5 | 496 |
| SA 315M | 92 | 28 | 1485 | 990 | 3.09 | 91 | 90 | 0.85 | 0.74 | 172 | 61 | 592 | 270 | 2.4 | 2.5 | 7 | 6.9 | 2.6 | 2.6 | 670 |
| SA 315M | 110 | 33 | 1488 | 993 | 3.91 | 91 | 90 | 0.85 | 0.74 | 206 | 72 | 706 | 317 | 2.7 | 2.5 | 7.5 | 6.8 | 2.9 | 2.6 | 760 |
| SA 315M | 125 | 37 | 1488 | 993 | 4.32 | 92 | 90 | 0.86 | 0.74 | 228 | 80 | 802 | 356 | 2.1 | 2.3 | 6.7 | 6 | 2.4 | 2.5 | 830 |
| SA 315Mn | 162 | 48 | 1489 | 994 | 5.76 | 92.5 | 90.5 | 0.85 | 0.74 | 298 | 104 | 1039 | 461 | 2.7 | 2.5 | 7.5 | 6.8 | 2.9 | 2.6 | 1020 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - due avvolgimenti separati

6-8 poli - 1.000-750 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

6-8 poles - 1.000-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|----|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 6p | 8p | 6p | 8p | 6p | | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.088 | 0.037 | 920 | 640 | 0.00105 | 35 | 24 | 0.60 | 0.55 | 0.61 | 0.4 | 0.91 | 0.55 | 1.3 | 1.2 | 1.9 | 1.5 | 1.5 | 1.4 | 5.8 |
| SA 71 | 0.11 | 0.048 | 920 | 650 | 0.00129 | 39 | 25 | 0.61 | 0.55 | 0.67 | 0.5 | 1.14 | 0.71 | 1.3 | 1.2 | 1.9 | 1.5 | 1.5 | 1.4 | 6.5 |
| SA 71 | 0.15 | 0.062 | 920 | 650 | 0.00157 | 44 | 27 | 0.65 | 0.55 | 0.76 | 0.6 | 1.56 | 0.91 | 1.3 | 1.2 | 2 | 1.5 | 1.5 | 1.4 | 7.4 |
| SA 80 | 0.18 | 0.075 | 925 | 690 | 0.00164 | 52 | 42 | 0.65 | 0.55 | 0.77 | 0.47 | 1.86 | 1.04 | 1.3 | 1.2 | 2.4 | 2.1 | 1.5 | 1.4 | 7.6 |
| SA 80 | 0.30 | 0.12 | 925 | 690 | 0.00256 | 55 | 45 | 0.68 | 0.59 | 1.16 | 0.65 | 3.1 | 1.66 | 1.4 | 1.3 | 2.6 | 2.3 | 1.6 | 1.6 | 9.8 |
| SA 90S | 0.37 | 0.16 | 930 | 690 | 0.00303 | 63 | 52 | 0.72 | 0.67 | 1.18 | 0.66 | 3.8 | 2.21 | 1.4 | 1.3 | 3 | 2.2 | 1.8 | 1.6 | 10.8 |
| SA 90L | 0.55 | 0.23 | 930 | 690 | 0.00455 | 64 | 54 | 0.73 | 0.70 | 1.70 | 0.88 | 5.65 | 3.18 | 1.5 | 1.4 | 3.1 | 2.3 | 1.9 | 1.7 | 13.5 |
| SA 90L | 0.75 | 0.32 | 930 | 700 | 0.00606 | 64 | 54 | 0.73 | 0.70 | 2.32 | 1.22 | 7.7 | 4.37 | 1.5 | 1.4 | 3.3 | 2.5 | 1.9 | 1.7 | 16.5 |
| SA 100L | 0.88 | 0.37 | 935 | 705 | 0.00870 | 66 | 59 | 0.74 | 0.70 | 2.60 | 1.3 | 9.0 | 5.0 | 1.5 | 1.4 | 3.6 | 2.9 | 1.9 | 1.7 | 19.6 |
| SA 100L | 1.1 | 0.48 | 940 | 705 | 0.0120 | 67 | 60 | 0.76 | 0.72 | 3.12 | 1.6 | 11.2 | 6.5 | 1.5 | 1.4 | 3.8 | 3 | 1.9 | 1.8 | 23.5 |
| SA 112MT | 1.5 | 0.62 | 940 | 705 | 0.0141 | 70 | 62 | 0.76 | 0.72 | 4.1 | 2 | 15.2 | 8.4 | 1.6 | 1.5 | 4 | 3.2 | 2 | 1.9 | 26 |
| SA 112M | 1.9 | 0.80 | 945 | 710 | 0.0147 | 78 | 66 | 0.76 | 0.72 | 4.6 | 2.4 | 19.2 | 10.8 | 1.5 | 1.4 | 4.1 | 3.1 | 2.1 | 1.9 | 37 |
| SA 132S | 1.84 | 0.75 | 945 | 705 | 0.023 | 78 | 67 | 0.76 | 0.72 | 4.5 | 2.2 | 18.6 | 10.2 | 1.6 | 1.5 | 4.5 | 3.7 | 2.1 | 1.9 | 39 |
| SA 132S | 2.5 | 1.1 | 950 | 710 | 0.031 | 79 | 69 | 0.77 | 0.73 | 5.9 | 3.2 | 25.1 | 14.8 | 1.6 | 1.5 | 4.9 | 3.8 | 2.3 | 2 | 45.5 |
| SA 132M | 3.3 | 1.5 | 950 | 715 | 0.046 | 79 | 71 | 0.77 | 0.73 | 7.8 | 4.2 | 33.2 | 20 | 1.6 | 1.5 | 5.4 | 4.4 | 2.3 | 2.2 | 56 |
| SA 160MT | 4.4 | 1.9 | 950 | 715 | 0.054 | 79 | 72 | 0.78 | 0.73 | 10.3 | 5.2 | 44.2 | 25.4 | 1.6 | 1.5 | 5.4 | 4.5 | 2.3 | 2.2 | 69 |
| SA 160M | 5.5 | 2.35 | 955 | 720 | 0.077 | 82 | 78 | 0.82 | 0.73 | 11.8 | 6.0 | 55 | 31.2 | 1.6 | 1.7 | 5.4 | 5.3 | 2.3 | 2.4 | 71 |
| SA 160L | 7.5 | 3.3 | 960 | 720 | 0.109 | 83 | 80 | 0.84 | 0.74 | 15.5 | 8.1 | 74.6 | 43.8 | 1.6 | 1.7 | 5.4 | 5.3 | 2.3 | 2.4 | 88 |
| SA 180MT | 8.8 | 3.9 | 960 | 725 | 0.129 | 83 | 80 | 0.85 | 0.74 | 18 | 9.5 | 87.6 | 51.4 | 1.7 | 1.8 | 5.6 | 5.5 | 2.4 | 2.5 | 105 |
| SA 180LT | 11 | 4.8 | 960 | 725 | 0.154 | 83 | 80 | 0.85 | 0.75 | 22.5 | 11.6 | 109 | 63.2 | 1.7 | 1.8 | 5.9 | 5.8 | 2.4 | 2.5 | 117 |
| SA 200LT | 15 | 6.2 | 980 | 730 | 0.22 | 84 | 80 | 0.84 | 0.75 | 31 | 14.9 | 146 | 81.1 | 1.9 | 1.8 | 6.4 | 5.8 | 2.4 | 2.3 | 175 |
| SA 200LT | 18.4 | 7.5 | 980 | 735 | 0.30 | 85 | 80 | 0.84 | 0.75 | 37 | 18 | 179 | 97.5 | 1.9 | 1.8 | 6.8 | 5.8 | 2.5 | 2.3 | 212 |
| SA 225MT | 22 | 9.5 | 980 | 735 | 0.61 | 87 | 83 | 0.85 | 0.75 | 43 | 22 | 214 | 123 | 1.9 | 2 | 6.5 | 6.5 | 2.4 | 2.5 | 260 |
| SA 250MT | 26 | 11 | 985 | 735 | 0.90 | 87 | 83 | 0.84 | 0.73 | 51 | 26 | 252 | 143 | 2.1 | 2.3 | 6.3 | 5.8 | 2.5 | 2.5 | 317 |
| SA 250MT | 30 | 12.5 | 985 | 735 | 1.02 | 88 | 84 | 0.85 | 0.74 | 58 | 29 | 291 | 162 | 2.1 | 2.3 | 6.3 | 6.1 | 2.7 | 2.8 | 360 |
| SA 280ST | 33 | 14 | 985 | 738 | 1.75 | 89 | 86 | 0.85 | 0.78 | 63 | 30 | 320 | 181 | 2.2 | 2.2 | 5.8 | 5.5 | 2.6 | 2.4 | 430 |
| SA 280MT | 40 | 17 | 985 | 738 | 2.00 | 89 | 86 | 0.86 | 0.79 | 76 | 36 | 388 | 220 | 2.3 | 1.9 | 6 | 5.4 | 2.7 | 2 | 460 |
| SA 315ST | 48 | 20 | 985 | 738 | 2.43 | 90 | 86 | 0.86 | 0.79 | 90 | 43 | 465 | 259 | 2.4 | 2 | 6 | 5.6 | 2.8 | 2.2 | 528 |
| SA 315M | 55 | 23.5 | 988 | 740 | 3.23 | 91 | 90 | 0.86 | 0.78 | 102 | 48 | 532 | 303 | 2.2 | 2.1 | 6 | 5.8 | 2 | 1.8 | 600 |
| SA 315M | 65 | 28 | 990 | 740 | 3.62 | 92 | 91 | 0.86 | 0.79 | 119 | 56 | 627 | 361 | 2.2 | 2 | 6 | 5.5 | 2 | 1.7 | 645 |

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|---|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.18 | 2648 | 0.0002 | 64 | 0.73 | 0.56 | 0.649 | 2.16 | 3.15 | 2.25 | 57 | 3.3 |
| SA 63-b | 0.25 | 2670 | 0.0002 | 64 | 0.73 | 0.78 | 0.894 | 2.16 | 3.15 | 2.25 | 57 | 3.8 |
| SA 71-a | 0.37 | 2780 | 0.0004 | 71 | 0.78 | 0.97 | 1.271 | 1.98 | 3.6 | 2.07 | 59 | 6 |
| SA 71-b | 0.55 | 2791 | 0.0005 | 71 | 0.78 | 1.44 | 1.882 | 2.25 | 4.14 | 2.34 | 59 | 7 |
| S1A 80-a | 0.75 | 2802 | 0.0012 | 76 | 0.79 | 1.82 | 2.556 | 2.07 | 4.05 | 2.16 | 63 | 8.6 |
| S1A 80-b | 1.1 | 2802 | 0.0017 | 76.2 | 0.79 | 2.66 | 3.748 | 2.07 | 4.32 | 2.16 | 63 | 10.2 |
| S1A 90S | 1.5 | 2824 | 0.0012 | 78.5 | 0.78 | 3.56 | 5.072 | 2.16 | 4.41 | 2.25 | 68 | 11.5 |
| S1A 90L | 2.2 | 2824 | 0.0019 | 81 | 0.76 | 5.19 | 7.438 | 2.16 | 4.41 | 2.25 | 68 | 13.5 |
| S1A 100L | 3 | 2835 | 0.0032 | 82.6 | 0.79 | 6.68 | 10.104 | 2.34 | 5.85 | 2.52 | 72 | 20.5 |
| S1A 112MT-a | 4 | 2846 | 0.0042 | 84.2 | 0.78 | 8.85 | 13.420 | 2.34 | 5.85 | 2.52 | 72 | 23 |
| S1A 112MT-b | 5.5 | 2868 | 0.0055 | 83.5 | 0.81 | 11.68 | 18.310 | 2.25 | 6.3 | 2.52 | 72 | 28.2 |
| S1A 132S-a | 5.5 | 2890 | 0.009 | 85.7 | 0.82 | 11.25 | 18.171 | 2.25 | 6.3 | 2.52 | 74 | 38.4 |
| S1A 132S-b | 7.5 | 2890 | 0.0113 | 87 | 0.82 | 15.11 | 24.779 | 2.25 | 6.3 | 2.52 | 74 | 42 |
| S1A 132M | 9 | 2901 | 0.015 | 86 | 0.83 | 18.13 | 29.622 | 2.16 | 6.3 | 2.43 | 74 | 47.5 |
| S1A 160MT-a | 11 | 2901 | 0.017 | 88.4 | 0.81 | 22.07 | 36.204 | 2.25 | 5.85 | 2.43 | 74 | 58 |
| S1A 160MT-b | 15 | 2923 | 0.023 | 89.4 | 0.82 | 29.41 | 48.998 | 2.34 | 6.03 | 2.52 | 75 | 68 |
| S1A 160L | 18.5 | 2934 | 0.043 | 90 | 0.82 | 36.03 | 60.204 | 2.34 | 6.21 | 2.52 | 75 | 90 |
| S1A 180MT | 22 | 2945 | 0.051 | 90.5 | 0.82 | 42.61 | 71.326 | 2.43 | 6.3 | 2.61 | 75 | 110 |
| S1A 180LT | 25 | 2945 | 0.059 | 89.5 | 0.83 | 48.39 | 81.053 | 2.43 | 6.3 | 2.61 | 75 | 116 |
| S1A 200LT-a | 30 | 2945 | 0.089 | 91.4 | 0.83 | 56.86 | 97.263 | 2.43 | 6.57 | 2.7 | 83 | 142 |
| S1A 200LT-b | 37 | 2956 | 0.111 | 92 | 0.83 | 69.67 | 119.512 | 2.43 | 6.57 | 2.7 | 83 | 162 |
| S1A 225MT | 45 | 2956 | 0.18 | 92.5 | 0.83 | 84.27 | 145.352 | 2.43 | 6.75 | 2.7 | 83 | 210 |
| S1A 250MT | 55 | 2967 | 0.283 | 93 | 0.84 | 101.27 | 176.994 | 2.52 | 6.84 | 2.7 | 83 | 280 |
| S1A 280ST | 75 | 2967 | 0.493 | 93.6 | 0.84 | 137.21 | 241.355 | 2.34 | 6.48 | 2.61 | 84 | 372 |
| S1A 280MT | 90 | 2970 | 0.587 | 93.9 | 0.85 | 162.26 | 289.333 | 2.7 | 7.5 | 3 | 87 | 407 |
| S1A 315ST | 110 | 2975 | 0.751 | 93.5 | 0.86 | 196.93 | 353.035 | 2.6 | 7.5 | 2.8 | 87 | 496 |
| S1A 315M | 132 | 2980 | 1.27 | 93.5 | 0.86 | 236.32 | 422.932 | 2.5 | 7.4 | 2.7 | 90 | 620 |
| S1A 315M | 160 | 2980 | 1.52 | 93.5 | 0.86 | 286.44 | 512.644 | 2.5 | 7.4 | 2.7 | 90 | 668 |
| S1A 315M | 200 | 2980 | 1.83 | 94 | 0.87 | 352.19 | 640.805 | 2.5 | 7.4 | 2.7 | 90 | 760 |
| S1A 355LT | 250 | 2980 | 2.29 | 94 | 0.87 | 440.24 | 801.007 | 2.2 | 7.5 | 2.4 | 90 | 895 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1 with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|--|---------------|----------------|------------------|------------|---------------------------------|--------------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|--------------|----------------------------------|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcasa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.13 | 1324 | 0.0002 | 60 | 0.58 | 0.54 | 0.937 | 2.07 | 2.7 | 2.07 | 49 | 3.8 |
| SA 63-b | 0.18 | 1324 | 0.0003 | 61 | 0.58 | 0.73 | 1.298 | 2.07 | 2.7 | 2.07 | 49 | 4.1 |
| SA 71-a | 0.25 | 1335 | 0.0004 | 68 | 0.63 | 0.84 | 1.788 | 1.8 | 3.15 | 1.8 | 51 | 5.7 |
| SA 71-b | 0.37 | 1335 | 0.0005 | 69 | 0.65 | 1.19 | 2.646 | 1.8 | 3.15 | 1.8 | 51 | 7 |
| SA 80-a | 0.55 | 1346 | 0.0012 | 72 | 0.68 | 1.63 | 3.901 | 2.07 | 3.87 | 2.07 | 54 | 8.6 |
| S1A 80-b | 0.75 | 1346 | 0.0017 | 73 | 0.71 | 2.10 | 5.320 | 2.07 | 3.87 | 2.07 | 54 | 10 |
| S1A 90S | 1.1 | 1368 | 0.0022 | 76.2 | 0.76 | 2.76 | 7.677 | 2.07 | 4.05 | 2.25 | 56 | 11.9 |
| S1A 90L | 1.5 | 1368 | 0.0028 | 78.5 | 0.75 | 3.70 | 10.469 | 2.07 | 4.05 | 2.25 | 56 | 14.2 |
| S1A 100L-a | 2.2 | 1401 | 0.005 | 81 | 0.77 | 5.12 | 14.993 | 1.8 | 4.05 | 1.98 | 60 | 18.7 |
| S1A 100L-b | 3 | 1401 | 0.006 | 82.6 | 0.78 | 6.76 | 20.445 | 1.8 | 4.05 | 1.98 | 60 | 21.2 |
| S1A 112MT | 4 | 1412 | 0.009 | 84.2 | 0.79 | 8.74 | 27.048 | 2.16 | 4.5 | 2.25 | 60 | 25.7 |
| S1A 132S | 5.5 | 1423 | 0.021 | 85.7 | 0.78 | 11.95 | 36.904 | 1.89 | 5.4 | 2.25 | 63 | 43 |
| S1A 132M-a | 7.5 | 1423 | 0.028 | 87 | 0.79 | 15.86 | 50.323 | 1.89 | 5.4 | 2.25 | 63 | 50.3 |
| S1A 132M-b | 9 | 1423 | 0.034 | 87 | 0.79 | 19.03 | 60.388 | 1.89 | 5.4 | 2.25 | 63 | 55.8 |
| S1A 160MT | 11 | 1461.5 | 0.039 | 88.4 | 0.81 | 22.33 | 71.863 | 2.34 | 5.31 | 2.34 | 63 | 69.5 |
| S1A 160L | 15 | 1461.5 | 0.08 | 89.4 | 0.80 | 30.48 | 97.995 | 2.34 | 5.4 | 2.34 | 67 | 89 |
| S1A 180MT | 18.5 | 1467 | 0.098 | 90 | 0.81 | 36.90 | 120.408 | 2.25 | 5.85 | 2.52 | 67 | 110 |
| S1A 180LT | 22 | 1467 | 0.12 | 90.5 | 0.81 | 43.63 | 143.187 | 2.25 | 5.85 | 2.52 | 67 | 119 |
| S1A 200LT | 30 | 1467 | 0.16 | 91.4 | 0.82 | 57.53 | 195.256 | 2.16 | 5.85 | 2.52 | 70 | 155 |
| S1A 225ST | 37 | 1478 | 0.31 | 92 | 0.81 | 71.33 | 239.023 | 2.34 | 6.39 | 2.61 | 70 | 202 |
| S1A 225MT-a | 45 | 1478 | 0.39 | 92.5 | 0.81 | 86.28 | 290.704 | 2.34 | 6.39 | 2.61 | 70 | 235 |
| S1A 250MT-b | 55 | 1478 | 0.51 | 93 | 0.82 | 103.65 | 355.304 | 2.25 | 6.57 | 2.34 | 70 | 286 |
| S1A 280ST | 75 | 1483.5 | 1.15 | 93.6 | 0.83 | 138.81 | 482.710 | 2.25 | 6.57 | 2.43 | 73 | 387 |
| S1A 280MT | 90 | 1485 | 1.31 | 93.9 | 0.83 | 166.04 | 578.667 | 2.6 | 6.7 | 2.7 | 73 | 415 |
| S1A 315ST | 110 | 1485 | 1.55 | 94 | 0.85 | 198.11 | 707.259 | 2.6 | 6.7 | 2.7 | 75 | 496 |
| S1A 315M-a | 132 | 1485 | 2.6 | 94 | 0.85 | 237.73 | 848.711 | 2.2 | 6.2 | 2.7 | 77 | 630 |
| S1A 315M-b | 160 | 1485 | 3.5 | 94 | 0.85 | 288.16 | 1028.741 | 2.5 | 6.6 | 2.7 | 77 | 740 |
| S1A 315M-c | 200 | 1485 | 4.16 | 94.2 | 0.86 | 355.39 | 1285.926 | 2.6 | 6.8 | 2.8 | 77 | 882 |
| S1A 355LT | 250 | 1487 | 5 | 94.4 | 0.86 | 443.30 | 1605.245 | 2.7 | 7 | 2.3 | 77 | 1045 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1 with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------------------|------------------|---------------|--|---|-------------------------------------|---|--|------------------------------------|-----------------|--|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63-a | 0.09 | 868 | 0.0003 | 43 | 0.58 | 0.52 | 0.990 | 1.53 | 1.98 | 1.71 | 48 | 5 |
| SA 63-b | 0.11 | 879 | 0.0004 | 45 | 0.58 | 0.61 | 1.195 | 1.53 | 2.52 | 1.71 | 48 | 5.2 |
| SA 71-a | 0.18 | 879 | 0.0011 | 54 | 0.59 | 0.81 | 1.955 | 1.53 | 2.52 | 1.71 | 49 | 5.8 |
| SA 71-b | 0.22 | 879 | 0.0013 | 55 | 0.59 | 0.98 | 2.390 | 1.62 | 2.52 | 1.8 | 49 | 6.5 |
| S1A 90S | 0.75 | 901 | 0.0035 | 72 | 0.70 | 2.16 | 7.948 | 1.71 | 3.42 | 1.89 | 54 | 10.8 |
| S1A 90L | 1.1 | 901 | 0.0051 | 73 | 0.70 | 3.12 | 11.657 | 1.8 | 3.6 | 1.8 | 54 | 13.5 |
| S1A 100L | 1.5 | 912 | 0.0087 | 75 | 0.71 | 4.08 | 15.704 | 1.89 | 4.23 | 2.07 | 57 | 19.6 |
| S1A 112MT | 2.2 | 934 | 0.014 | 78 | 0.73 | 5.60 | 22.490 | 1.98 | 4.95 | 2.25 | 57 | 25 |
| S1A 132S | 3 | 945 | 0.023 | 80 | 0.76 | 7.16 | 30.311 | 1.8 | 5.04 | 2.07 | 60 | 39 |
| S1A 132M-a | 4 | 945 | 0.031 | 82 | 0.76 | 9.32 | 40.415 | 2.07 | 5.22 | 2.34 | 60 | 45.5 |
| S1A 132M-b | 5.5 | 945 | 0.041 | 83 | 0.76 | 12.66 | 55.570 | 2.07 | 5.4 | 2.34 | 60 | 52.5 |
| S1A 160MT | 7.5 | 956 | 0.054 | 85 | 0.78 | 16.43 | 74.906 | 1.89 | 5.4 | 2.34 | 60 | 69 |
| S1A 160L | 11 | 956 | 0.109 | 86 | 0.79 | 23.53 | 109.862 | 2.07 | 5.76 | 2.61 | 63 | 88 |
| S1A 180LT | 15 | 967 | 0.141 | 87 | 0.80 | 31.32 | 148.108 | 2.16 | 6.48 | 2.7 | 63 | 114 |
| S1A 200LT-a | 18.5 | 972.5 | 0.271 | 88 | 0.81 | 37.73 | 181.633 | 2.07 | 6.12 | 2.52 | 68 | 145 |
| S1A 200LT-b | 22 | 972.5 | 0.32 | 88 | 0.81 | 44.87 | 215.996 | 2.07 | 6.12 | 2.52 | 68 | 155 |
| S1A 225MT | 30 | 978 | 0.541 | 90 | 0.81 | 59.12 | 292.883 | 2.16 | 5.49 | 2.34 | 72 | 234 |
| S1A 250MT | 37 | 978 | 0.752 | 91 | 0.81 | 72.11 | 361.223 | 2.16 | 6.12 | 2.43 | 73 | 295 |
| S1A 280ST | 45 | 985 | 1.37 | 92 | 0.80 | 88.87 | 436.203 | 2.07 | 5.85 | 2.16 | 75 | 381 |
| S1A 280MT | 55 | 985 | 1.68 | 92 | 0.80 | 108.61 | 533.137 | 2.3 | 6.5 | 2.4 | 75 | 421 |
| S1A 315ST | 75 | 985 | 2.37 | 92 | 0.81 | 146.32 | 727.005 | 2.1 | 6 | 2.3 | 75 | 526 |
| S1A 315M-a | 90 | 988 | 2.7 | 93 | 0.81 | 173.70 | 869.757 | 2.3 | 5.8 | 2.6 | 84 | 642 |
| S1A 315M-b | 110 | 986 | 2.7 | 93 | 0.81 | 209.77 | 1065.193 | 2.3 | 5.8 | 2.6 | 84 | 672 |
| S1A 315M-c | 132 | 986 | 3.15 | 93.3 | 0.81 | 250.92 | 1278.231 | 2.3 | 5.9 | 2.6 | 84 | 730 |
| S1A 315M-d | 160 | 987 | 4.7 | 94 | 0.81 | 301.88 | 1547.801 | 2.4 | 6 | 2.6 | 84 | 910 |
| S1A 355LT | 200 | 987 | 5.7 | 94 | 0.81 | 377.35 | 1934.752 | 2.4 | 6 | 2.6 | 84 | 1144 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1 with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe H - Servizio S1 - 400 V - 50 Hz

8 poli - 750 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE1 Efficiency class (IEC 60034-30-1-2015-04)

Insulation class H - S1 Duty - 400 V - 50 Hz

8 poles - 750 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In/at (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount B3 Peso Weight |
|---|---------------|----------------|------------------|------------|---------------------------------|--------------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|--------------|----------------------------------|
| | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Ta/Tn | Ia/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | |
| SA 63 | 0.05 | 629 | 0.00029 | 40 | 0.51 | 0.35 | 0.759 | 1.35 | 1.8 | 1.44 | 48 | 5 |
| SA 63 | 0.07 | 629 | 0.00039 | 44 | 0.52 | 0.44 | 1.063 | 1.35 | 1.8 | 1.44 | 48 | 5 |
| SA 71 | 0.11 | 640 | 0.0011 | 44 | 0.54 | 0.67 | 1.641 | 1.35 | 1.8 | 1.44 | 49 | 6 |
| SA 71 | 0.15 | 640 | 0.0013 | 46 | 0.55 | 0.85 | 2.238 | 1.44 | 1.89 | 1.44 | 49 | 6.5 |
| S1A 80 | 0.18 | 662 | 0.0016 | 52 | 0.58 | 0.86 | 2.596 | 1.62 | 2.7 | 1.8 | 51 | 7.3 |
| S1A 80 | 0.25 | 662 | 0.0026 | 61 | 0.58 | 1.02 | 3.606 | 1.62 | 2.7 | 1.8 | 51 | 9.7 |
| S1A 90S | 0.37 | 673 | 0.003 | 64 | 0.61 | 1.37 | 5.249 | 1.62 | 2.88 | 1.8 | 53 | 10.6 |
| S1A 90L | 0.55 | 684 | 0.0045 | 67 | 0.61 | 1.94 | 7.677 | 1.62 | 3.06 | 1.8 | 53 | 13.3 |
| S1A 100L | 0.75 | 684 | 0.0087 | 68 | 0.62 | 2.57 | 10.469 | 1.8 | 3.06 | 1.89 | 55 | 19.3 |
| S1A 100L | 1.1 | 684 | 0.0109 | 70 | 0.62 | 3.66 | 15.355 | 1.8 | 3.06 | 1.89 | 55 | 21.5 |
| S1A 112MT | 1.5 | 695 | 0.0141 | 73 | 0.63 | 4.71 | 20.607 | 1.71 | 3.15 | 2.16 | 55 | 25 |
| S1A 132S | 2.2 | 700.5 | 0.0307 | 78 | 0.69 | 5.92 | 29.987 | 1.71 | 4.14 | 1.98 | 58 | 45 |
| S1A 132M | 3 | 706 | 0.0409 | 79 | 0.70 | 7.86 | 40.572 | 1.71 | 4.5 | 2.07 | 58 | 52 |
| S1A 160MT | 4 | 706 | 0.0537 | 80 | 0.71 | 10.20 | 54.096 | 1.8 | 4.5 | 1.89 | 58 | 68.5 |
| S1A 160M | 5.5 | 711.5 | 0.0772 | 82 | 0.71 | 13.69 | 73.807 | 1.8 | 4.68 | 1.89 | 61 | 70 |
| S1A 160L | 7.5 | 717 | 0.109 | 84 | 0.72 | 17.98 | 99.874 | 1.89 | 4.86 | 1.98 | 61 | 87.5 |
| S1A 180LT | 11 | 728 | 0.154 | 86 | 0.74 | 25.07 | 144.269 | 1.89 | 4.59 | 1.8 | 61 | 117 |
| S1A 200LT | 15 | 728 | 0.345 | 87 | 0.74 | 33.80 | 196.731 | 1.89 | 4.86 | 2.07 | 66 | 155 |
| S1A 225ST | 18.5 | 728 | 0.505 | 88 | 0.77 | 39.64 | 242.635 | 2.07 | 4.77 | 2.07 | 70 | 207 |
| S1A 225MT | 22 | 728 | 0.577 | 89 | 0.77 | 46.62 | 288.538 | 2.07 | 4.77 | 2.16 | 70 | 243 |
| S1A 250MT | 30 | 733.5 | 0.902 | 90 | 0.78 | 62.07 | 390.511 | 2.16 | 4.95 | 2.34 | 71 | 317 |
| S1 A280ST | 37 | 735 | 1.75 | 90.5 | 0.78 | 76.14 | 480.648 | 2.1 | 5 | 2.3 | 72 | 420 |
| S1A 280MT | 45 | 735 | 2.12 | 91 | 0.78 | 92.09 | 584.571 | 2.1 | 5.1 | 2.3 | 72 | 460 |
| S1A 315ST | 55 | 740 | 2.43 | 92 | 0.78 | 111.33 | 709.649 | 2.3 | 5.5 | 2.2 | 81 | 525 |
| S1A 315M | 75 | 740 | 3.1 | 93 | 0.78 | 150.18 | 967.703 | 1.6 | 5.2 | 2.2 | 81 | 671 |
| S1A 315M | 90 | 740 | 3.52 | 93.5 | 0.78 | 179.25 | 1161.243 | 1.6 | 5.2 | 2.3 | 81 | 769 |
| S1A 315M | 110 | 740 | 4.4 | 93.8 | 0.78 | 218.38 | 1419.297 | 1.6 | 5.3 | 2.3 | 81 | 890 |
| S1A 315M | 132 | 740 | 5.1 | 94 | 0.78 | 261.50 | 1703.157 | 1.6 | 5.3 | 2.4 | 81 | 1035 |
| Serie S1S (carcassa in acciaio) - S1S Series (steel frame) | | | | | | | | | | | | |
| S1S 355L-b | 200 | 742 | 10.5 | 94.5 | 0.79 | 389.26 | 2573.585 | 1.5 | 5.6 | 2.4 | 79 | 1590 |
| S1S 355L-c | 250 | 745 | 12.6 | 94.5 | 0.80 | 480.64 | 3204.027 | 1.5 | 5.6 | 2.4 | 79 | 1760 |
| S1S 355Lx-a | 315 | 745 | 28.9 | 95 | 0.78 | 617.47 | 4037.074 | 1.4 | 6 | 2.4 | 79 | 2520 |
| S1S 355Lx-b | 355 | 745 | 34 | 95 | 0.79 | 687.29 | 4549.718 | 1.5 | 6 | 2.5 | 79 | 2840 |

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|------------------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 80-a | 0.75 | 2870 | 0.0015 | 77.4 | 79 | 76.6 | 0.78 | 0.69 | 0.52 | 1.80 | 2.50 | 2.3 | 4.5 | 2.4 | 61 | 9.6 |
| S2A 80-b | 1.1 | 2975 | 0.002 | 79.6 | 80.2 | 77.2 | 0.78 | 0.70 | 0.55 | 2.57 | 3.53 | 2.6 | 5.5 | 2.7 | 61 | 11.2 |
| S2A 90S | 1.5 | 2830 | 0.0016 | 81.3 | 80.6 | 79.9 | 0.80 | 0.76 | 0.65 | 3.35 | 5.06 | 2.6 | 5.5 | 2.6 | 65 | 13.9 |
| S2A 90L | 2.2 | 2880 | 0.0023 | 83.2 | 83.6 | 83.1 | 0.80 | 0.76 | 0.65 | 4.80 | 7.29 | 2.6 | 5.8 | 2.6 | 65 | 15.9 |
| S2A 100L | 3 | 2880 | 0.0042 | 84.6 | 84.7 | 83.2 | 0.81 | 0.76 | 0.65 | 6.29 | 9.95 | 2.4 | 6.2 | 2.5 | 69 | 23.8 |
| S2A 112MT-a | 4 | 2910 | 0.0056 | 85.8 | 86.3 | 86 | 0.81 | 0.76 | 0.65 | 8.27 | 13.13 | 2.3 | 6.8 | 2.6 | 69 | 28 |
| S2A 132S-a | 5.5 | 2880 | 0.0112 | 87 | 86.7 | 84.7 | 0.87 | 0.84 | 0.78 | 10.46 | 18.24 | 2.2 | 6.8 | 2.5 | 69 | 43.3 |
| S2A 132S-b | 7.5 | 2920 | 0.0146 | 87 | 87.6 | 87.2 | 0.87 | 0.85 | 0.80 | 14.27 | 24.53 | 2.3 | 7 | 2.6 | 71 | 49.5 |
| S2A 160M-a | 11 | 2935 | 0.031 | 89.4 | 89.5 | 87.7 | 0.85 | 0.82 | 0.75 | 20.83 | 35.79 | 2 | 6.2 | 2.8 | 71 | 76 |
| S2A 160M-b | 15 | 2936 | 0.041 | 90.3 | 90.5 | 89.4 | 0.86 | 0.82 | 0.76 | 27.8 | 48.79 | 2.3 | 6.7 | 2.8 | 72 | 90 |
| S2A 160L | 18.5 | 2938 | 0.048 | 90.9 | 91 | 90.3 | 0.86 | 0.82 | 0.76 | 34.1 | 60.13 | 2.4 | 7.2 | 2.9 | 72 | 110 |
| S2A 180MT | 22 | 2938 | 0.055 | 91.3 | 91.5 | 90 | 0.86 | 0.83 | 0.77 | 40.3 | 71.50 | 2.6 | 7.2 | 2.9 | 72 | 116 |
| S2A 200LT-a | 30 | 2945 | 0.105 | 92 | 92 | 91 | 0.88 | 0.86 | 0.82 | 53.4 | 97.27 | 2 | 7 | 2.8 | 81 | 162 |
| S2A 200LT-b | 37 | 2947 | 0.126 | 92.5 | 92.6 | 91.3 | 0.88 | 0.86 | 0.82 | 65.5 | 119.89 | 2.2 | 7 | 3 | 81 | 184 |
| S2A 225MT (*) | 45 | 2960 | 0.18 | 92.9 | 92.9 | 91.4 | 0.87 | 0.85 | 0.78 | 80.2 | 145.17 | 2.6 | 7.5 | 3 | 81 | 222 |
| S2A 250MT | 55 | 2965 | 0.29 | 93.2 | 92.1 | 90.3 | 0.87 | 0.85 | 0.79 | 97.7 | 177.13 | 2.6 | 7.5 | 3 | 81 | 280 |
| S2A 280ST | 75 | 2965 | 0.553 | 93.8 | 93.3 | 91.1 | 0.87 | 0.85 | 0.81 | 132 | 241.54 | 2.4 | 7.2 | 2.7 | 84 | 408 |
| S2A 280MT | 90 | 2968 | 0.664 | 94.1 | 93.7 | 92 | 0.87 | 0.85 | 0.85 | 158 | 289.56 | 2.4 | 7.2 | 2.8 | 84 | 495 |
| S2A 315ST | 110 | 2970 | 0.751 | 94.3 | 94.8 | 93 | 0.87 | 0.85 | 0.86 | 193 | 353.67 | 2.6 | 7.5 | 2.8 | 84 | 553 |
| S2A 315Ma | 132 | 2875 | 1.53 | 94.6 | 94.7 | 93.2 | 0.87 | 0.85 | 0.81 | 231 | 438.42 | 1.9 | 7 | 2.3 | 87 | 692 |
| S2A 315Mb | 160 | 2875 | 1.83 | 94.8 | 94.7 | 94.3 | 0.87 | 0.86 | 0.83 | 279 | 531.42 | 1.9 | 7 | 2.3 | 87 | 764 |
| S2A 315Mc | 200 | 2875 | 1.83 | 95 | 94.9 | 93.5 | 0.87 | 0.86 | 0.83 | 348 | 664.28 | 2 | 7 | 2.3 | 87 | 860 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L | 250 | 2983 | 3.5 | 95.1 | 94 | 93.5 | 0.91 | 0.90 | 0.87 | 417 | 800.28 | 2 | 7 | 2.3 | 88 | 1200 |
| S2S 355L-a | 280 | 2980 | 4.2 | 95.1 | 94.1 | 93.5 | 0.91 | 0.90 | 0.87 | 468 | 897.22 | 2 | 7 | 2.3 | 88 | 1280 |
| S2S 355L-b | 315 | 2980 | 4.5 | 95.1 | 94.1 | 93.3 | 0.91 | 0.90 | 0.87 | 526 | 1009.37 | 2.3 | 7.5 | 2.5 | 88 | 1600 |
| S2S 355Lx-a | 355 | 2980 | 3.2 | 95.1 | 94.1 | 93.3 | 0.90 | 0.90 | 0.87 | 599 | 1137.55 | 2.2 | 7.5 | 2.4 | 89 | 1870 |
| S2S 355Lx-ab | 400 | 2985 | 7.7 | 95.2 | 94.2 | 93.4 | 0.90 | 0.90 | 0.87 | 675 | 1279.60 | 2.2 | 7.5 | 2.4 | 89 | 2000 |
| S2S 355Lx-c | 450 | 2985 | 8.4 | 95.2 | 94.2 | 93.4 | 0.90 | 0.90 | 0.87 | 759 | 1439.55 | 2.2 | 7.5 | 2.4 | 89 | 2150 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 80-b | 0.75 | 1360 | 0.0019 | 79.6 | 79 | 78 | 0.71 | 0.67 | 0.56 | 2 | 5.27 | 2.3 | 5 | 2.3 | 50 | 11 |
| S2A 90S | 1.1 | 1395 | 0.0028 | 81.4 | 81 | 79 | 0.79 | 0.72 | 0.59 | 2 | 7.53 | 2.3 | 4.7 | 2.5 | 50 | 14.2 |
| S2A 90L | 1.5 | 1400 | 0.0373 | 82.8 | 82 | 80 | 0.79 | 0.72 | 0.59 | 3 | 10.23 | 2.6 | 5 | 2.6 | 52 | 17.8 |
| S2A 100L-a | 2.2 | 1425 | 0.006 | 84.3 | 84.6 | 84.4 | 0.78 | 0.72 | 0.60 | 5 | 14.74 | 2 | 5 | 2.2 | 52 | 21.2 |
| S2A 100L-b | 3 | 1425 | 0.008 | 85.5 | 85.8 | 84.9 | 0.78 | 0.72 | 0.60 | 7 | 20.10 | 2 | 5 | 2.2 | 56 | 26.2 |
| S2A 112M | 4 | 1420 | 0.014 | 86.6 | 87.5 | 87.5 | 0.78 | 0.71 | 0.60 | 9 | 26.90 | 2.4 | 5 | 2.5 | 56 | 35 |
| S2A 132S | 5.5 | 1452 | 0.023 | 87.7 | 87.9 | 87 | 0.78 | 0.70 | 0.59 | 12 | 36.17 | 1.8 | 5.5 | 2.5 | 56 | 48 |
| S2A 132M | 7.5 | 1456 | 0.034 | 88.7 | 88.9 | 88 | 0.79 | 0.71 | 0.60 | 16 | 49.19 | 2 | 5.8 | 2.6 | 59 | 58 |
| S2A 132Mb | 9.2 | 1457 | 0.037 | 89.3 | 89.3 | 88.4 | 0.79 | 0.71 | 0.58 | 19 | 60.30 | 2 | 5.9 | 2.7 | 59 | 65.2 |
| S2A 160M | 11 | 1463 | 0.076 | 89.8 | 90 | 89.8 | 0.81 | 0.74 | 0.61 | 22 | 71.80 | 2.4 | 5.8 | 2.5 | 59 | 85.5 |
| S2A 160L | 15 | 1463 | 0.093 | 90.6 | 91 | 90.6 | 0.81 | 0.74 | 0.61 | 30 | 97.90 | 2.6 | 6 | 2.6 | 63 | 104 |
| S2A 180MT | 18.5 | 1465 | 0.11 | 91.2 | 91.4 | 91.1 | 0.81 | 0.75 | 0.61 | 36 | 120.58 | 2.5 | 6 | 2.5 | 63 | 125 |
| S2A 180L | 22 | 1465 | 0.153 | 91.6 | 92 | 91.6 | 0.84 | 0.81 | 0.72 | 41 | 143.40 | 2.2 | 6 | 2.6 | 63 | 155 |
| S2A 200LT | 30 | 1465 | 0.195 | 92.3 | 92.6 | 92.2 | 0.84 | 0.81 | 0.72 | 56 | 195.54 | 2.2 | 6.2 | 2.8 | 66 | 186 |
| S2A 225ST | 37 | 1470 | 0.352 | 92.7 | 92.7 | 92 | 0.84 | 0.81 | 0.72 | 68 | 240.35 | 2.6 | 7.1 | 2.9 | 66 | 230 |
| S2A 225M | 45 | 1474 | 0.429 | 93.1 | 93.2 | 93 | 0.85 | 0.80 | 0.72 | 82 | 291.52 | 2.6 | 7.5 | 2.9 | 66 | 263 |
| S2A 250MT | 55 | 1475 | 0.55 | 93.5 | 93.4 | 93 | 0.85 | 0.81 | 0.73 | 100 | 356.06 | 2.8 | 7.6 | 3 | 66 | 315 |
| S2A 280ST | 75 | 1480 | 1.25 | 94 | 93.8 | 93.7 | 0.85 | 0.82 | 0.74 | 135 | 483.90 | 2.6 | 7 | 2.6 | 70 | 407 |
| S2A 280MT | 90 | 1480 | 1.48 | 94.2 | 94 | 93.8 | 0.85 | 0.82 | 0.74 | 162 | 580.68 | 2.6 | 7 | 2.6 | 70 | 474 |
| S2A 315M-a | 110 | 1488 | 2.6 | 94.5 | 94.3 | 93.3 | 0.83 | 0.81 | 0.72 | 202 | 705.91 | 2.6 | 7 | 2.6 | 80 | 660 |
| S2A 315M-b | 132 | 1488 | 3.2 | 94.7 | 94.7 | 94 | 0.83 | 0.81 | 0.72 | 241 | 847.09 | 2.6 | 7.2 | 2.6 | 80 | 733 |
| S2A 315M-c | 160 | 1488 | 3.9 | 94.9 | 94.8 | 94 | 0.85 | 0.82 | 0.76 | 285 | 1026.77 | 2.7 | 7.2 | 2.7 | 80 | 848 |
| S2A 315M-d | 200 | 1485 | 4.7 | 95.1 | 95 | 94.2 | 0.85 | 0.82 | 0.76 | 356 | 1286.06 | 2.7 | 7.2 | 2.8 | 80 | 1026 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L-a | 250 | 1492 | 5.5 | 95.1 | 94.4 | 92.4 | 0.87 | 0.85 | 0.75 | 437 | 1600.03 | 1.4 | 6.4 | 2.4 | 84 | 1360 |
| S2S 355L-b | 280 | 1492 | 5.8 | 95.1 | 94.6 | 93 | 0.88 | 0.84 | 0.77 | 483 | 1792.04 | 1.4 | 6.4 | 2.4 | 84 | 1490 |
| S2S 355L-c | 315 | 1492 | 6.6 | 95.3 | 94.7 | 93 | 0.88 | 0.85 | 0.77 | 543 | 2016.04 | 1.4 | 6.5 | 2.4 | 84 | 1680 |
| S2S 355Lx-a | 355 | 1492 | 10 | 95.3 | 94.8 | 93.3 | 0.89 | 0.87 | 0.81 | 605 | 2272.05 | 1.3 | 6.8 | 2.8 | 84 | 1850 |
| S2S 355Lx-b | 400 | 1492 | 11.8 | 95.5 | 94.9 | 93.7 | 0.89 | 0.88 | 0.81 | 680 | 2560.05 | 1.4 | 7 | 2.8 | 84 | 2060 |
| S2S 355Lx-c | 450 | 1492 | 13.6 | 95.7 | 95.2 | 94 | 0.90 | 0.87 | 0.81 | 755 | 2880.06 | 1.4 | 7 | 2.8 | 84 | 2260 |
| S2S 355Lx-d | 500 | 1492 | 15.9 | 95.8 | 95.2 | 94 | 0.90 | 0.87 | 0.81 | 838 | 3200.07 | 1.4 | 7 | 2.8 | 84 | 2520 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE2 Efficiency class (IEC 60034-30-1-2015-04)

High Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|-------|--------------------------|------|------|---|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|--------------------|---|
| | kW | giri/min rpm | | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S2A 90S | 0.75 | 925 | 0.005 | 75.9 | 74 | 68 | 0.64 | 0.53 | 0.39 | 2 | 7.74 | 2.5 | 5 | 2.9 | 54 | 13.5 |
| S2A 90L | 1.1 | 925 | 0.006 | 78.1 | 76 | 72 | 0.68 | 0.57 | 0.42 | 3 | 11.36 | 2.8 | 5.2 | 3 | 54 | 16.5 |
| S2A 100L | 1.5 | 950 | 0.013 | 79.8 | 77 | 72 | 0.69 | 0.56 | 0.43 | 4 | 15.08 | 2.1 | 4.7 | 2.5 | 57 | 25 |
| S2A 112M | 2.2 | 950 | 0.018 | 81.8 | 82 | 78 | 0.69 | 0.57 | 0.44 | 6 | 22.11 | 2.2 | 5.8 | 2.6 | 57 | 0 |
| S2A 132S | 3 | 955 | 0.029 | 83.3 | 83.3 | 81.2 | 0.70 | 0.59 | 0.46 | 7 | 30.00 | 2.2 | 5.6 | 2.8 | 60 | 45.5 |
| S2A 132M-a | 4 | 955 | 0.039 | 84.6 | 84.6 | 82.6 | 0.70 | 0.60 | 0.47 | 10 | 40.00 | 2.3 | 6 | 2.9 | 60 | 52.5 |
| S2A 132M-b | 5.5 | 955 | 0.051 | 86 | 86 | 84.3 | 0.71 | 0.61 | 0.48 | 13 | 54.99 | 2.4 | 6 | 3 | 60 | 69 |
| S2A 160M | 7.5 | 960 | 0.104 | 87.2 | 87.2 | 0.86 | 0.76 | 0.66 | 0.52 | 16 | 74.60 | 2.6 | 7 | 3 | 63 | 88 |
| S2A 160L | 11 | 965 | 0.123 | 88.7 | 88.4 | 87.2 | 0.76 | 0.66 | 0.52 | 24 | 108.85 | 2.6 | 7.4 | 3 | 63 | 114 |
| S2A 180LT | 15 | 970 | 0.16 | 89.7 | 89.2 | 87.8 | 0.76 | 0.66 | 0.52 | 32 | 147.66 | 2.7 | 7.5 | 3 | 63 | 125 |
| S2A 200L-a | 18.5 | 980 | 0.38 | 90.4 | 90.6 | 89 | 0.83 | 0.79 | 0.68 | 35 | 180.26 | 2.5 | 6.8 | 2.8 | 68 | 134 |
| S2A 200L-b | 22 | 980 | 0.45 | 90.9 | 91 | 89.9 | 0.83 | 0.79 | 0.68 | 42 | 214.37 | 2.7 | 7 | 2.9 | 68 | 155 |
| S2A 225M | 30 | 980 | 0.72 | 91.7 | 91.9 | 91.1 | 0.80 | 0.74 | 0.60 | 59 | 292.32 | 2.6 | 7 | 2.9 | 72 | 295 |
| S2A 250MT | 37 | 980 | 0.864 | 92.2 | 92.3 | 91.7 | 0.80 | 0.74 | 0.60 | 73 | 360.52 | 2.6 | 7 | 2.9 | 73 | 332 |
| S2A 280ST | 45 | 985 | 1.72 | 92.7 | 92.4 | 91.7 | 0.81 | 0.76 | 0.65 | 87 | 436.25 | 2.3 | 6 | 2.3 | 75 | 421 |
| S2A 280MT | 55 | 985 | 2.17 | 93.1 | 92.7 | 91.7 | 0.81 | 0.76 | 0.66 | 106 | 533.19 | 2.4 | 6 | 2.3 | 75 | 490 |
| S2A 315ST | 75 | 985 | 2.68 | 93.7 | 93.2 | 92.3 | 0.81 | 0.76 | 0.66 | 144 | 727.08 | 2.4 | 6 | 2.3 | 75 | 565 |
| S2A 315M-a | 90 | 988 | 3.14 | 94 | 93.5 | 92.4 | 0.81 | 0.78 | 0.66 | 172 | 869.85 | 2.4 | 6.5 | 2.7 | 82 | 672 |
| S2A 315M-b | 110 | 988 | 3.73 | 94.3 | 93.9 | 93.1 | 0.81 | 0.78 | 0.68 | 207 | 1063.15 | 2.4 | 6.5 | 2.7 | 82 | 730 |
| S2A 315M-c | 132 | 988 | 4.7 | 94.6 | 94.2 | 93.2 | 0.81 | 0.78 | 0.68 | 247 | 1275.78 | 2.7 | 7 | 2.9 | 82 | 910 |
| S2A 315M-d | 160 | 988 | 5.7 | 94.8 | 94.4 | 93.5 | 0.81 | 0.79 | 0.68 | 299 | 1546.40 | 2.7 | 7 | 2.9 | 82 | 1100 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | | | | |
| S2S 355L | 200 | 990 | 6.4 | 95 | 94.9 | 94.4 | 0.86 | 0.83 | 0.74 | 354 | 1929.09 | 1.9 | 5.6 | 2.2 | 82 | 1370 |
| S2S 355L-a | 250 | 990 | 7.9 | 95.1 | 95.2 | 94.6 | 0.86 | 0.83 | 0.75 | 442 | 2411.36 | 2.2 | 5.6 | 2.2 | 82 | 1572 |
| S2S 355L-b | 280 | 990 | 8.7 | 95.1 | 95.3 | 94.6 | 0.86 | 0.83 | 0.75 | 495 | 2700.73 | 2.2 | 5.8 | 2.3 | 82 | 1660 |
| S2S 355L-c | 315 | 990 | 9.8 | 95 | 95.2 | 94.6 | 0.86 | 0.83 | 0.75 | 557 | 3038.32 | 1.2 | 5.6 | 2.3 | 82 | 1800 |
| S2S 355Lx-a | 355 | 990 | 19.8 | 95.5 | 95.5 | 95.4 | 0.89 | 0.87 | 0.79 | 604 | 3424.14 | 1.4 | 6 | 2.5 | 82 | 2060 |
| S2S 355Lx-b | 400 | 990 | 22.3 | 95.5 | 95.6 | 95.5 | 0.89 | 0.87 | 0.79 | 680 | 3858.18 | 1.4 | 6 | 2.6 | 82 | 2254 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|---------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 80-a | 0.75 | 2860 | 0.00145 | 80.7 | 80 | 0.76 | 0.84 | 0.82 | 0.76 | 2 | 2.50 | 2.6 | 6 | 2.8 | 60 | 11.2 |
| S3A 80-b | 1.1 | 2875 | 0.002 | 82.7 | 82.5 | 0.8 | 0.85 | 0.70 | 0.77 | 2 | 3.65 | 2.7 | 6 | 2.8 | 60 | 13.2 |
| S3A 90S | 1.5 | 2937 | 0.0016 | 84.2 | 83.4 | 81 | 0.74 | 0.62 | 0.62 | 3 | 4.88 | 3 | 6.2 | 3.2 | 64 | 13.9 |
| S3A 90L | 2.2 | 2840 | 0.0022 | 85.9 | 85.4 | 84.3 | 0.83 | 0.79 | 0.67 | 4 | 7.40 | 3 | 6.7 | 3 | 64 | 15.9 |
| S3A 100L | 3 | 2900 | 0.0054 | 87.1 | 87.1 | 86.8 | 0.83 | 0.79 | 0.68 | 6 | 9.88 | 2.4 | 6.7 | 3 | 68 | 28 |
| S3A 112M | 4 | 2895 | 0.0083 | 88.1 | 88 | 86.8 | 0.83 | 0.79 | 0.68 | 8 | 13.19 | 2.3 | 6.7 | 3 | 68 | 33 |
| S3A 132S-b | 5.5 | 2910 | 0.0143 | 89.2 | 89.3 | 98 | 0.86 | 0.84 | 0.79 | 10 | 18.05 | 2.3 | 7 | 3 | 70 | 49.5 |
| S3A 132S-b | 7.5 | 2930 | 0.016 | 90.1 | 91 | 89.4 | 0.86 | 0.84 | 0.79 | 14 | 24.44 | 2.2 | 7 | 3 | 70 | 53 |
| S3A 160M-a | 11 | 2947 | 0.041 | 91.2 | 91 | 89.4 | 0.87 | 0.85 | 0.79 | 20 | 35.64 | 2.8 | 8.3 | 3.4 | 70 | 90 |
| S3A 160M-b | 15 | 2947 | 0.048 | 91.9 | 91.8 | 90 | 0.86 | 0.83 | 0.76 | 27 | 48.60 | 2.8 | 8 | 3.4 | 70 | 110 |
| S3A 160L | 18.5 | 2948 | 0.055 | 92.4 | 92 | 90.6 | 0.85 | 0.82 | 0.72 | 34 | 59.92 | 2.8 | 7.5 | 3 | 70 | 116 |
| S3A 180L-T | 22 | 2960 | 0.06 | 92.7 | 92 | 91.1 | 0.86 | 0.83 | 0.76 | 40 | 70.97 | 2.6 | 7.7 | 3.4 | 71 | 160 |
| S3A 200LT | 30 | 2960 | 0.126 | 93.3 | 93.2 | 92.1 | 0.87 | 0.84 | 0.78 | 53 | 96.78 | 2.6 | 7.8 | 3.5 | 78 | 184 |
| S3A 200L | 37 | 2965 | 0.182 | 93.7 | 93.3 | 92 | 0.87 | 0.84 | 0.78 | 65 | 119.16 | 2.6 | 7.8 | 3.3 | 78 | 220 |
| S3A 225MT | 45 | 2965 | 0.182 | 94 | 93.4 | 92.4 | 0.87 | 0.85 | 0.79 | 79 | 144.93 | 2.6 | 7.8 | 3.2 | 78 | 220 |
| S3A 250MT | 55 | 2970 | 0.349 | 94.3 | 93.7 | 92.5 | 0.87 | 0.86 | 0.81 | 97 | 176.83 | 2.7 | 7.5 | 3 | 78 | 330 |
| S3A 280ST | 75 | 2970 | 0.707 | 94.7 | 94.6 | 93.8 | 0.88 | 0.87 | 0.84 | 130 | 241.14 | 2.3 | 7 | 2.7 | 82 | 495 |
| S3A 280MT | 90 | 2970 | 0.84 | 95 | 94.7 | 93.7 | 0.88 | 0.87 | 0.84 | 155 | 289.36 | 2.6 | 7.5 | 3 | 82 | 550 |
| S3A 315S | 110 | 2973 | 1.531 | 95.2 | 94.8 | 93.7 | 0.88 | 0.87 | 0.84 | 189 | 353.31 | 1.9 | 6.8 | 2.4 | 84 | 750 |
| S3A 315Ma | 132 | 2973 | 1.837 | 95.4 | 95.1 | 94.2 | 0.88 | 0.87 | 0.86 | 227 | 423.97 | 2 | 7 | 2.4 | 84 | 810 |
| S3A 315Md | 160 | 2973 | 2.143 | 95.6 | 95.5 | 94.8 | 0.88 | 0.88 | 0.87 | 274 | 513.91 | 2.1 | 6.8 | 2.5 | 84 | 916 |
| S3A 315Me | 200 | 2975 | 2.449 | 95.8 | 95.7 | 95.4 | 0.88 | 0.88 | 0.86 | 342 | 641.95 | 2.2 | 7 | 2.5 | 84 | 1005 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-a | 250 | 2982 | 4.35 | 95.8 | 95.5 | 94.6 | 0.91 | 0.91 | 0.88 | 414 | 800.55 | 2.2 | 7 | 2.3 | 85 | 1560 |
| S3S 355L-b | 280 | 2983 | 4.69 | 95.8 | 95.6 | 94.8 | 0.91 | 0.91 | 0.88 | 464 | 896.32 | 2.4 | 7.4 | 2.4 | 85 | 1720 |
| S3S 355Lx-a | 315 | 2985 | 6.23 | 95.8 | 95.7 | 94.8 | 0.91 | 0.91 | 0.89 | 522 | 1007.68 | 1.5 | 6.5 | 2.3 | 85 | 1800 |
| S3S 355Lx-b | 355 | 2985 | 6.82 | 95.8 | 95.7 | 95.1 | 0.91 | 0.90 | 0.89 | 588 | 1135.64 | 1.6 | 6.7 | 2.4 | 85 | 1900 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|---|------------------|-------------------|------------------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | kgm ² | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 80-b | 0.75 | 1360 | 0.0019 | 82.5 | 79 | 78 | 0.71 | 0.67 | 0.56 | 2 | 5.27 | 2.3 | 5 | 2.3 | 50 | 11 |
| S3A 90S | 1.1 | 1428 | 0.0034 | 84.1 | 83 | 79 | 0.72 | 0.62 | 0.47 | 3 | 7.36 | 2.8 | 5.8 | 3.1 | 51 | 16 |
| S3A 90L | 1.5 | 1430 | 0.004 | 85.3 | 84 | 81 | 0.73 | 0.63 | 0.49 | 3 | 10.02 | 3 | 6 | 3.2 | 51 | 18.4 |
| S3A 100L-a | 2.2 | 1435 | 0.0083 | 86.7 | 86.3 | 84.3 | 0.73 | 0.64 | 0.50 | 5 | 14.64 | 2.7 | 6.4 | 3.4 | 54 | 26.2 |
| S3A 100L-b | 3 | 1425 | 0.0097 | 85.5 | 85.8 | 84.9 | 0.76 | 0.71 | 0.60 | 7 | 20.10 | 2.8 | 6.6 | 3.5 | 54 | 29 |
| S3A 112M | 4 | 1435 | 0.0198 | 88.6 | 88.3 | 87 | 0.76 | 0.68 | 0.54 | 9 | 26.62 | 2.8 | 6.5 | 3 | 54 | 48 |
| S3A 132sa | 5.5 | 1463 | 0.033 | 89.6 | 89.6 | 88.4 | 0.76 | 0.68 | 0.54 | 12 | 35.90 | 2.3 | 6.5 | 2.8 | 54 | 58 |
| S3A 132Ma | 7.5 | 1463 | 0.037 | 90.4 | 90 | 88 | 0.76 | 0.68 | 0.55 | 16 | 48.95 | 2.2 | 6.5 | 2.8 | 54 | 65 |
| S3A 160M | 11 | 1470 | 0.092 | 91.4 | 91.4 | 91 | 0.79 | 0.73 | 0.60 | 22 | 71.46 | 2.8 | 6.3 | 2.7 | 58 | 104 |
| S3A 160L | 15 | 1470 | 0.108 | 92.1 | 92 | 91.8 | 0.81 | 0.77 | 0.68 | 29 | 97.44 | 2.8 | 6.3 | 2.6 | 62 | 125 |
| S3A 180MT | 18.5 | 1470 | 0.117 | 92.6 | 92.2 | 92 | 0.78 | 0.77 | 0.66 | 37 | 120.17 | 2.8 | 6.3 | 2.6 | 62 | 133 |
| S3A 180L | 22 | 1471 | 0.194 | 93 | 92.7 | 91.3 | 0.80 | 0.75 | 0.63 | 43 | 142.81 | 2.8 | 7.4 | 3.2 | 62 | 180 |
| S3A 200L | 30 | 1471 | 0.373 | 93.6 | 93.4 | 92.6 | 0.83 | 0.80 | 0.68 | 56 | 194.75 | 2.8 | 7.4 | 3 | 64 | 230 |
| S3A 225ST | 37 | 1473 | 0.397 | 93.9 | 93.4 | 92.6 | 0.83 | 0.80 | 0.68 | 68 | 239.86 | 2.8 | 7.8 | 3.2 | 64 | 242 |
| S3A 225M | 45 | 1476 | 0.549 | 94.2 | 94 | 93.3 | 0.85 | 0.81 | 0.71 | 81 | 291.13 | 3 | 8 | 3.4 | 64 | 310 |
| S3A 250M | 55 | 1480 | 0.977 | 94.6 | 94.4 | 93.8 | 0.85 | 0.81 | 0.75 | 98 | 354.86 | 2.6 | 6.4 | 2.6 | 65 | 360 |
| S3A 280ST | 75 | 1480 | 1.486 | 95 | 94.8 | 94.5 | 0.85 | 0.82 | 0.76 | 134 | 483.90 | 2.8 | 6.5 | 2.6 | 69 | 474 |
| S3A 280MT | 90 | 1482 | 1.72 | 95.2 | 95.1 | 94.5 | 0.85 | 0.82 | 0.76 | 160 | 579.90 | 2.8 | 6.8 | 2.7 | 69 | 532 |
| S3A 315S | 110 | 1484 | 3.31 | 95.4 | 95.4 | 94.6 | 0.85 | 0.83 | 0.78 | 195 | 707.81 | 2.5 | 7 | 2.5 | 78 | 733 |
| S3A 315M-b | 132 | 1487 | 3.31 | 95.5 | 95.8 | 95.4 | 0.85 | 0.83 | 0.78 | 234 | 847.66 | 2.4 | 7 | 2.5 | 78 | 733 |
| S3A 315M-c | 160 | 1485 | 3.972 | 95.8 | 95.8 | 95.3 | 0.85 | 0.83 | 0.78 | 283 | 1028.85 | 2.7 | 7.6 | 2.7 | 78 | 848 |
| S3A 315M-d | 200 | 1486 | 4.8 | 96 | 95.9 | 95.6 | 0.85 | 0.83 | 0.76 | 353 | 1285.20 | 2.7 | 8.2 | 2.9 | 78 | 1026 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-b | 250 | 1488 | 4.76 | 96 | 96 | 95.2 | 0.88 | 0.86 | 0.77 | 428 | 1604.33 | 2.6 | 7 | 2.5 | 84 | 1480 |
| S3S 355L-c | 315 | 1488 | 5.752 | 96 | 96 | 95.5 | 0.88 | 0.87 | 0.80 | 539 | 2021.46 | 2.6 | 7 | 2.5 | 84 | 1680 |
| S3S 355Lx-a | 355 | 1492 | 11.657 | 96 | 96 | 95.6 | 0.89 | 0.88 | 0.83 | 600 | 2272.05 | 2 | 6.2 | 2.4 | 84 | 1960 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe H - Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

IE3 Efficiency class (IEC 60034-30-1-2015-04)

Premium Efficiency

Insulation class H - Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Tipo Type | Potenza Power | Velocità Speed | J | Rendimento Efficiency | | | Fattore di potenza Power factor cosφ | | | Corrente Current In (400 V) | Coppia nom. Nom. torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Rumor. Noise | Forma B3 Mount. B3 Peso Weight |
|--|------------------|-------------------|--------|--------------------------|------|------|--|------|------|--------------------------------------|----------------------------------|---|--|------------------------------------|-----------------|---|
| | kW | giri/min rpm | | 100% | 75% | 50% | 100% | 75% | 50% | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | dB (A) | kg |
| Serie S3A (carcasa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | | | | |
| S3A 90S | 0.75 | 926 | 0.006 | 78.9 | 77 | 72 | 0.65 | 0.54 | 0.41 | 2 | 7.73 | 2.8 | 4.8 | 2.9 | 54 | 11 |
| S3A 90L | 1.1 | 925 | 0.0072 | 81 | 80 | 77 | 0.67 | 0.56 | 0.43 | 3 | 11.36 | 3 | 5 | 3.2 | 54 | 13.6 |
| S3A 100L | 1.5 | 950 | 0.0134 | 82.5 | 81 | 77 | 0.67 | 0.56 | 0.43 | 4 | 15.08 | 2.4 | 5.2 | 2.8 | 56 | 25 |
| S3A 112M | 2.2 | 950 | 0.0242 | 84.3 | 83.5 | 81 | 0.70 | 0.61 | 0.49 | 5 | 22.11 | 2.3 | 5.8 | 2.6 | 56 | 44 |
| S3A 132S | 3 | 954 | 0.0389 | 85.6 | 85.5 | 84 | 0.73 | 0.65 | 0.51 | 7 | 30.03 | 2.2 | 6 | 2.8 | 59 | 52.5 |
| S3A 132M-a | 4 | 956 | 0.0511 | 86.8 | 86.8 | 85.6 | 0.74 | 0.65 | 0.51 | 9 | 39.95 | 2.3 | 6 | 2.9 | 59 | 69 |
| S3A132M-b | 5.5 | 957 | 0.0584 | 88 | 87.6 | 86.4 | 0.74 | 0.65 | 0.51 | 12 | 54.88 | 2.4 | 6.3 | 3 | 59 | 77 |
| S3A 160M | 7.5 | 960 | 0.135 | 89.1 | 89 | 88.9 | 0.80 | 0.74 | 0.61 | 15 | 74.60 | 2.6 | 7.5 | 2.9 | 63 | 104 |
| S3A 160L | 11 | 965 | 0.159 | 90.3 | 90.2 | 89.6 | 0.78 | 0.71 | 0.58 | 23 | 108.85 | 2.7 | 7.8 | 3 | 63 | 125 |
| S3A 180L | 15 | 981 | 0.33 | 91.2 | 91.2 | 90 | 0.78 | 0.71 | 0.60 | 31 | 146.01 | 2.8 | 6.5 | 2.8 | 63 | 163 |
| S3A 200LT | 18.5 | 981 | 0.377 | 91.7 | 91.6 | 91.3 | 0.82 | 0.78 | 0.66 | 35 | 180.08 | 2.7 | 6.7 | 2.8 | 68 | 180 |
| S3A 200L-b | 22 | 982 | 0.483 | 92.2 | 92.2 | 91.6 | 0.82 | 0.78 | 0.66 | 42 | 213.93 | 2.8 | 7 | 2.9 | 70 | 210 |
| S3A 225M | 30 | 983 | 0.92 | 92.9 | 92.7 | 92.4 | 0.82 | 0.78 | 0.67 | 57 | 291.42 | 2.7 | 7 | 2.9 | 72 | 310 |
| S3A 250M | 37 | 992 | 1.72 | 93.3 | 93.2 | 92.2 | 0.81 | 0.76 | 0.67 | 71 | 356.16 | 2.8 | 7 | 2.4 | 75 | 340 |
| S3A 280ST | 45 | 993 | 2.17 | 93.7 | 93.6 | 92.4 | 0.81 | 0.76 | 0.68 | 86 | 432.73 | 3 | 7.8 | 2.5 | 75 | 435 |
| S3A 280MT | 55 | 985 | 2.68 | 94.1 | 94.1 | 93.6 | 0.81 | 0.76 | 0.65 | 105 | 533.19 | 3 | 7.3 | 2.8 | 75 | 514 |
| S3A 315S | 75 | 988 | 3.14 | 94.6 | 94.4 | 93.7 | 0.81 | 0.76 | 0.66 | 141 | 724.87 | 2.5 | 6 | 2.3 | 82 | 672 |
| S3A 315M-a | 90 | 989 | 3.63 | 94.9 | 94.8 | 93.7 | 0.81 | 0.76 | 0.66 | 168 | 868.97 | 2.5 | 7 | 2.7 | 82 | 730 |
| S3A 315M-b | 110 | 989 | 4.71 | 95.1 | 95 | 94.4 | 0.81 | 0.77 | 0.67 | 205 | 1062.07 | 2.5 | 7 | 2.8 | 82 | 919 |
| S3A 315M-d | 132 | 989 | 5.69 | 95.4 | 95.3 | 94.9 | 0.81 | 0.78 | 0.70 | 245 | 1274.49 | 2.6 | 7 | 2.9 | 82 | 1100 |
| Serie S3S (carcasa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | | | | |
| S3S 355L-a | 160 | 990 | 6.39 | 94.8 | 94.4 | 93.5 | 0.84 | 0.81 | 0.70 | 290 | 1543.27 | 1.8 | 5.8 | 2.4 | 82 | 1300 |
| S3S 355L-b | 200 | 990 | 7.98 | 95.8 | 95.3 | 94.7 | 0.86 | 0.83 | 0.75 | 351 | 1929.09 | 1.8 | 5.8 | 2.4 | 82 | 1584 |
| S3S 355L-c | 250 | 990 | 8.71 | 95.8 | 95.6 | 95 | 0.86 | 0.83 | 0.75 | 439 | 2411.36 | 1.9 | 6 | 2.5 | 82 | 1744 |
| S3S 355Lx-a | 280 | 992 | 11.5 | 95.8 | 95.7 | 95.1 | 0.83 | 0.80 | 0.72 | 509 | 2695.28 | 1.9 | 5.6 | 1.9 | 82 | 1960 |
| S3S 355Lx-b | 315 | 992 | 13.18 | 95.8 | 95.8 | 95.4 | 0.83 | 0.81 | 0.74 | 572 | 3032.19 | 1.9 | 5.6 | 1.9 | 82 | 2060 |
| S3S 355Lx-c | 355 | 992 | 14.38 | 95.8 | 95.8 | 95.7 | 0.83 | 0.81 | 0.74 | 645 | 3417.23 | 2 | 5.6 | 2 | 82 | 2200 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; con alimentazione sinusoidale.

Efficiency values are given according to IEC 60034-2-1; with sinusoidal supply.

Dati tecnici

F 400 - 400°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

2-4 poli - 3.000-1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

2-4 poles - 3.000-1.500 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|------|---------|--------------------------|----|------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 2p | 4p | 2p | 4p | 2p | | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 63 | 0.22 | 0.044 | 2617 | 1107 | 0.00024 | 58 | 53 | 0.84 | 0.73 | 0.65 | 0.16 | 0.79 | 0.32 | 1.3 | 1.4 | 3 | 2.6 | 1.4 | 1.5 | 3.8 |
| SA 63 | 0.26 | 0.051 | 2626 | 1313 | 0.00029 | 60 | 56 | 0.84 | 0.73 | 0.74 | 0.18 | 0.93 | 0.36 | 1.3 | 1.4 | 3 | 2.6 | 1.4 | 1.5 | 4.1 |
| SA 71 | 0.37 | 0.075 | 2695 | 1343 | 0.00035 | 70 | 56 | 0.85 | 0.76 | 0.89 | 0.26 | 1.29 | 0.5 | 1.3 | 1.7 | 3 | 2.6 | 1.4 | 1.8 | 5.7 |
| SA 71 | 0.55 | 0.11 | 2724 | 1362 | 0.00052 | 71 | 60 | 0.85 | 0.76 | 1.31 | 0.35 | 1.89 | 0.8 | 1.4 | 1.9 | 3.8 | 3.7 | 1.6 | 2.1 | 7 |
| SA 80 | 0.75 | 0.15 | 2754 | 1377 | 0.0015 | 71 | 66 | 0.83 | 0.73 | 1.83 | 0.45 | 2.55 | 1 | 1.6 | 1.8 | 3.8 | 3.5 | 1.7 | 1.9 | 8.4 |
| SA 80 | 0.95 | 0.25 | 2764 | 1387 | 0.0017 | 71 | 69 | 0.81 | 0.78 | 2.37 | 0.67 | 3.22 | 1.7 | 2.1 | 1.9 | 5 | 4.3 | 2.2 | 2.0 | 10 |
| SA 90S | 1.4 | 0.33 | 2764 | 1387 | 0.0022 | 71 | 69 | 0.82 | 0.81 | 3.46 | 0.86 | 4.74 | 2.2 | 1.7 | 1.8 | 4.5 | 3.9 | 1.9 | 2.0 | 11.9 |
| SA 90L | 1.84 | 0.37 | 2769 | 1387 | 0.0028 | 71 | 72 | 0.82 | 0.78 | 4.54 | 0.96 | 6.22 | 2.5 | 1.8 | 2.1 | 4.6 | 4.8 | 2.0 | 2.2 | 14.2 |
| SA 90L | 2 | 0.5 | 2773 | 1387 | 0.0032 | 72 | 73 | 0.81 | 0.80 | 4.93 | 1.24 | 6.75 | 3.4 | 1.9 | 2.0 | 4.6 | 4.5 | 2.1 | 2.3 | 15 |
| SA 100L | 2.5 | 0.65 | 2773 | 1372 | 0.0057 | 70 | 70 | 0.83 | 0.84 | 6.19 | 1.59 | 8.44 | 4.4 | 1.7 | 1.5 | 4.6 | 3.5 | 1.9 | 1.7 | 20 |
| SA 100L | 3.1 | 0.8 | 2788 | 1377 | 0.0071 | 73 | 70 | 0.83 | 0.86 | 7.36 | 1.91 | 10.4 | 5.4 | 1.9 | 1.7 | 5.2 | 4.7 | 2.1 | 1.9 | 22.4 |
| SA 112MT | 4.4 | 1.1 | 2803 | 1387 | 0.0092 | 79 | 71 | 0.82 | 0.84 | 9.8 | 2.7 | 14.7 | 7.4 | 1.9 | 1.7 | 5.5 | 4.9 | 2.1 | 1.9 | 27 |
| SA 132S | 5.9 | 1.45 | 2813 | 1406 | 0.0207 | 82 | 80 | 0.81 | 0.82 | 12.8 | 3.2 | 19.6 | 9.7 | 1.9 | 1.7 | 5.5 | 5.4 | 2.1 | 1.9 | 43 |
| SA 132M | 8 | 2 | 2818 | 1416 | 0.0282 | 84 | 82 | 0.81 | 0.82 | 16.9 | 4.3 | 26.6 | 13.2 | 1.9 | 1.7 | 6.2 | 6 | 2.1 | 1.9 | 50.3 |
| SA 160MT | 11.5 | 2.9 | 2818 | 1416 | 0.0395 | 86 | 85 | 0.82 | 0.83 | 23.4 | 5.9 | 38.2 | 19.2 | 1.9 | 1.7 | 7 | 6.9 | 2.1 | 1.9 | 69.5 |
| SA 160L | 15.5 | 3.8 | 2857 | 1431 | 0.08 | 87 | 87 | 0.84 | 0.87 | 30.5 | 7.2 | 50.8 | 24.9 | 2.2 | 2.1 | 6.5 | 6.1 | 2.3 | 2.2 | 89 |
| SA 180MT | 18.5 | 4 | 2871 | 1436 | 0.0978 | 87 | 88 | 0.84 | 0.85 | 36.4 | 7.7 | 60.3 | 26.1 | 2.4 | 2.7 | 7.3 | 7.9 | 2.6 | 2.8 | 110 |
| SA 180LT | 22 | 4.4 | 2881 | 1441 | 0.124 | 87 | 88 | 0.84 | 0.85 | 43.3 | 8.5 | 71.5 | 28.6 | 2.5 | 2.8 | 7.5 | 8 | 2.7 | 2.9 | 128 |
| SA 200LT | 30 | 5.9 | 2881 | 1441 | 0.18 | 88 | 88 | 0.86 | 0.87 | 57.1 | 11.1 | 97.5 | 38.3 | 2.1 | 2.4 | 7.9 | 8.4 | 2.3 | 2.5 | 170 |
| SA 225ST | 37 | 7.5 | 2886 | 1446 | 0.345 | 88 | 87 | 0.86 | 0.87 | 70.4 | 14.3 | 120 | 48.6 | 2.2 | 2.3 | 8.3 | 8.3 | 2.4 | 2.5 | 220 |
| SA 225MT | 44 | 8.8 | 2886 | 1446 | 0.419 | 88 | 87 | 0.86 | 0.87 | 83.7 | 16.7 | 143 | 57 | 2.2 | 2.3 | 8.3 | 8.5 | 2.4 | 2.5 | 250 |
| SA 250MT | 55 | 11 | 2891 | 1450 | 0.541 | 89 | 89 | 0.87 | 0.86 | 102.3 | 20.7 | 178 | 71 | 2.2 | 2.5 | 8.3 | 8.7 | 2.4 | 2.7 | 340 |
| SA 280ST | 66 | 15 | 2901 | 1455 | 1.23 | 90 | 91 | 0.87 | 0.87 | 121.4 | 27.3 | 213 | 96.5 | 2.2 | 2.4 | 8.4 | 8.7 | 2.4 | 2.6 | 415 |
| SA 280MT | 85 | 18.4 | 2901 | 1455 | 1.39 | 90 | 91 | 0.87 | 0.87 | 156.3 | 33.5 | 274 | 118 | 2.1 | 2.3 | 8.2 | 8.5 | 2.3 | 2.5 | 470 |
| SA 315M | 96 | 22 | 2916 | 1455 | 2.68 | 90 | 91 | 0.85 | 0.81 | 180.6 | 42.9 | 308 | 142 | 2.3 | 2.6 | 8 | 8.1 | 2.4 | 2.7 | 590 |
| SA 315M | 110 | 26 | 2918 | 1457 | 2.58 | 90 | 91 | 0.85 | 0.81 | 206.9 | 50.7 | 353 | 167 | 2.4 | 2.7 | 8 | 8.1 | 2.5 | 2.8 | 720 |

Dati tecnici

F 400 - 400°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

4-8 poli - 1.500-750 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

4-8 poles - 1.500-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|----|---------------------------------------|------|--------------------------------------|-------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 4p | 8p | 4p | 8p | 4p | | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.18 | 0.037 | 1357 | 671 | 0.00105 | 54 | 37 | 0.76 | 0.57 | 0.64 | 0.25 | 1.24 | 0.52 | 1.6 | 1.4 | 2.9 | 2.1 | 1.7 | 1.5 | 5.8 |
| SA 71 | 0.22 | 0.044 | 1362 | 676 | 0.00129 | 55 | 38 | 0.76 | 0.58 | 0.76 | 0.29 | 1.51 | 0.61 | 1.7 | 1.5 | 3 | 2.2 | 1.8 | 1.6 | 6.5 |
| SA 71 | 0.26 | 0.051 | 1362 | 676 | 0.00157 | 56 | 40 | 0.76 | 0.58 | 0.89 | 0.32 | 1.79 | 0.71 | 1.7 | 1.5 | 3 | 2.2 | 1.8 | 1.6 | 7.4 |
| SA 80 | 0.5 | 0.1 | 1367 | 681 | 0.00256 | 66 | 55 | 0.76 | 0.60 | 1.45 | 0.44 | 3.42 | 1.37 | 1.5 | 1.8 | 3.9 | 2.9 | 1.8 | 1.9 | 9.8 |
| SA 80 | 0.7 | 0.15 | 1367 | 681 | 0.00329 | 67 | 62 | 0.78 | 0.61 | 1.95 | 0.57 | 4.79 | 2.06 | 1.5 | 1.7 | 4.1 | 3 | 1.8 | 1.9 | 11.4 |
| SA 90S | 1.1 | 0.22 | 1382 | 676 | 0.0022 | 68 | 46 | 0.68 | 0.44 | 3.44 | 1.58 | 7.45 | 3.04 | 1.7 | 2.0 | 4.5 | 2.6 | 2.1 | 2.2 | 11.9 |
| SA 90L | 1.5 | 0.25 | 1382 | 676 | 0.0028 | 70 | 50 | 0.73 | 0.44 | 4.26 | 1.66 | 10.2 | 4.46 | 1.9 | 2.2 | 4.8 | 3 | 2.4 | 2.5 | 14.2 |
| SA 100L | 2.2 | 0.37 | 1382 | 681 | 0.0064 | 76 | 54 | 0.78 | 0.56 | 5.39 | 1.76 | 14.9 | 5.08 | 1.9 | 1.9 | 5.2 | 2.9 | 2.3 | 2.1 | 21.2 |
| SA 100L | 3 | 0.55 | 1387 | 681 | 0.0086 | 79 | 58 | 0.77 | 0.53 | 7.16 | 2.57 | 20.2 | 7.56 | 2.1 | 1.9 | 5.5 | 2.8 | 2.4 | 2.2 | 23.5 |
| SA 112M | 4 | 0.75 | 1401 | 686 | 0.0147 | 82 | 65 | 0.78 | 0.60 | 9.08 | 2.77 | 26.7 | 10.2 | 2.2 | 1.9 | 5.5 | 3 | 2.4 | 2.2 | 34 |
| SA 132S | 5.5 | 1.4 | 1401 | 686 | 0.0244 | 82 | 66 | 0.79 | 0.63 | 12.34 | 4.86 | 36.7 | 19.1 | 2.2 | 1.9 | 6 | 3.2 | 2.5 | 2.2 | 46.8 |
| SA 132M | 6.5 | 1.5 | 1401 | 691 | 0.028 | 84 | 67 | 0.79 | 0.61 | 14.23 | 5.29 | 43.4 | 21.7 | 2.3 | 1.9 | 6.4 | 3.5 | 2.6 | 2.3 | 50.3 |
| SA 132M | 7.5 | 1.8 | 1411 | 691 | 0.034 | 84 | 71 | 0.79 | 0.58 | 16.42 | 6.29 | 49.8 | 24.4 | 2.3 | 1.9 | 6.6 | 3.6 | 2.9 | 2.3 | 55.8 |
| SA 160MT | 9 | 2.2 | 1421 | 691 | 0.034 | 85 | 72 | 0.80 | 0.59 | 19.24 | 7.46 | 59.3 | 29.8 | 2.3 | 2.0 | 6.6 | 3.8 | 2.6 | 2.3 | 69.5 |
| SA 160M | 11 | 2.8 | 1431 | 701 | 0.039 | 85 | 72 | 0.80 | 0.68 | 23.51 | 8.28 | 72 | 37.4 | 2.3 | 1.6 | 6 | 4 | 2.2 | 1.6 | 71 |
| SA 160L | 13 | 3 | 1431 | 701 | 0.058 | 87 | 75 | 0.80 | 0.68 | 27.15 | 8.51 | 85.1 | 40.1 | 2.4 | 1.6 | 6 | 4 | 2.2 | 1.6 | 89 |
| SA 160L | 15 | 3.5 | 1431 | 706 | 0.058 | 88 | 77 | 0.83 | 0.69 | 29.53 | 9.54 | 98.1 | 50.4 | 2.4 | 1.6 | 6 | 4.2 | 2.2 | 1.6 | 110 |
| SA 180MT | 18.5 | 4.8 | 1431 | 706 | 0.08 | 88 | 79 | 0.83 | 0.69 | 36.42 | 12.75 | 121 | 59.7 | 2.4 | 1.6 | 6 | 4 | 2.2 | 1.6 | 119 |
| SA 180L | 22 | 5.3 | 1431 | 706 | 0.098 | 88 | 79 | 0.83 | 0.69 | 43.31 | 14.08 | 144 | 73 | 1.9 | 1.6 | 6 | 4 | 2.3 | 1.7 | 155 |
| SA 200LT | 30 | 7 | 1436 | 706 | 0.098 | 89 | 86 | 0.80 | 0.66 | 61.24 | 17.83 | 196 | 99.5 | 2.4 | 1.9 | 6.8 | 4 | 2.6 | 2.0 | 179 |
| SA 225ST | 37 | 9 | 1436 | 711 | 0.116 | 89 | 82 | 0.84 | 0.68 | 71.19 | 23.36 | 241 | 119 | 2.4 | 1.9 | 6.8 | 4.2 | 2.7 | 1.9 | 216 |
| SA 225MT | 45 | 11 | 1436 | 711 | 0.161 | 89 | 82 | 0.84 | 0.68 | 86.58 | 28.55 | 293 | 145 | 2.4 | 1.9 | 6.8 | 4.2 | 2.7 | 1.9 | 235 |
| SA 250MT | 50 | 12 | 1441 | 715 | 0.206 | 90 | 82 | 0.86 | 0.71 | 93.00 | 29.87 | 325 | 157 | 2.4 | 1.8 | 7.2 | 4.5 | 2.7 | 1.9 | 308 |
| SA 250MT | 56 | 14 | 1441 | 715 | 0.345 | 90 | 83 | 0.86 | 0.78 | 104.2 | 31.41 | 364 | 183 | 2.3 | 1.8 | 7.2 | 4.5 | 2.7 | 1.9 | 308 |
| SA 280ST | 60 | 15 | 1450 | 715 | 0.34 | 91 | 86 | 0.84 | 0.71 | 112 | 35.60 | 390 | 196 | 2.4 | 1.8 | 7 | 4.5 | 2.3 | 1.7 | 330 |
| SA 280MT | 75 | 19 | 1450 | 720 | 0.39 | 92 | 87 | 0.84 | 0.71 | 139.6 | 44.57 | 484 | 242 | 2.4 | 1.9 | 7 | 4.6 | 2.4 | 1.7 | 415 |
| SA 315ST | 90 | 22 | 1450 | 720 | 0.58 | 92 | 87 | 0.83 | 0.71 | 169.4 | 51.61 | 581 | 286 | 2.4 | 1.9 | 7.1 | 4.7 | 2.5 | 1.8 | 496 |
| SA 315M | 110 | 28 | 1455 | 725 | 0.58 | 92 | 87 | 0.84 | 0.71 | 204.7 | 65.68 | 710 | 364 | 2.5 | 2.0 | 7.4 | 6 | 2.9 | 1.9 | 628 |
| SA 315M | 132 | 33 | 1455 | 725 | 0.58 | 92 | 90 | 0.83 | 0.70 | 248.6 | 75.87 | 852 | 429 | 2.4 | 1.9 | 7.5 | 5.5 | 1.9 | 1.8 | 700 |

Dati tecnici

F 400 - 400°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - due avvolgimento separati

4-6 poli - 1.500-1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

4-6 poles - 1.500-1.000 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|------|------------------------------------|------|--------------------------------------|-------|----------------------------|------|-------------------------------------|-----------------|--|-----------------|------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/In Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 4p | 6p | 4p | 6p | 4p | | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.18 | 0.05 | 1382 | 931 | 0.00039 | 50 | 35 | 0.63 | 0.53 | 0.83 | 0.39 | 1.22 | 0.51 | 1.2 | 1.4 | 2.4 | 1.9 | 1.4 | 1.5 | 5.8 |
| SA 71 | 0.26 | 0.075 | 1387 | 941 | 0.00129 | 50 | 35 | 0.68 | 0.58 | 1.11 | 0.53 | 1.76 | 0.75 | 1.2 | 1.4 | 2.4 | 1.9 | 1.4 | 1.5 | 6.5 |
| SA 80 | 0.4 | 0.12 | 1377 | 921 | 0.00164 | 63 | 55 | 0.69 | 0.67 | 1.33 | 0.47 | 2.72 | 1.22 | 1.3 | 1.3 | 3 | 2.5 | 1.5 | 1.4 | 7.4 |
| SA 80 | 0.55 | 0.18 | 1392 | 931 | 0.00256 | 63 | 57 | 0.70 | 0.67 | 1.81 | 0.68 | 3.7 | 1.81 | 1.5 | 1.4 | 3.4 | 3 | 1.7 | 1.5 | 9.8 |
| SA 90S | 0.8 | 0.29 | 1397 | 936 | 0.00354 | 73 | 60 | 0.72 | 0.68 | 2.21 | 1.03 | 5.36 | 2.9 | 1.6 | 1.3 | 4.4 | 3.1 | 1.9 | 1.4 | 13.5 |
| SA 90L | 1.1 | 0.38 | 1397 | 936 | 0.00505 | 73 | 60 | 0.75 | 0.68 | 2.92 | 1.35 | 7.37 | 3.8 | 1.6 | 1.3 | 4.4 | 3.1 | 1.9 | 1.4 | 15.5 |
| SA 100L | 1.7 | 0.6 | 1397 | 931 | 0.0087 | 73 | 61 | 0.82 | 0.75 | 4.08 | 1.90 | 11.4 | 6.03 | 1.3 | 1.2 | 4.4 | 3.4 | 1.8 | 1.7 | 19.6 |
| SA 100L | 2.1 | 0.75 | 1401 | 936 | 0.012 | 75 | 61 | 0.81 | 0.75 | 4.97 | 2.38 | 14 | 7.5 | 1.4 | 1.2 | 5.3 | 3.5 | 1.9 | 1.7 | 23.5 |
| SA 112MT | 2.6 | 0.8 | 1401 | 936 | 0.014 | 75 | 63 | 0.82 | 0.75 | 6.08 | 2.46 | 17.4 | 8 | 1.5 | 1.3 | 5.5 | 3.6 | 1.9 | 1.7 | 26 |
| SA 112M | 3 | 0.9 | 1416 | 941 | 0.015 | 78 | 70 | 0.78 | 0.68 | 7.16 | 2.74 | 19.8 | 8.96 | 1.8 | 1.4 | 5.7 | 4.7 | 2.1 | 1.8 | 37 |
| SA 132S | 3.6 | 1.2 | 1421 | 946 | 0.031 | 82 | 74 | 0.80 | 0.73 | 7.98 | 3.22 | 23.7 | 11.9 | 1.8 | 1.4 | 6.7 | 5.1 | 2.3 | 2.2 | 45.5 |
| SA 132M | 5.5 | 1.7 | 1421 | 946 | 0.041 | 83 | 74 | 0.80 | 0.74 | 12.04 | 4.50 | 32.9 | 16.8 | 1.9 | 1.5 | 7 | 5.1 | 2.6 | 2.4 | 52.5 |
| SA 160MT | 7.2 | 2.5 | 1421 | 946 | 0.054 | 84 | 77 | 0.81 | 0.74 | 15.38 | 6.36 | 47.4 | 24.7 | 1.8 | 1.4 | 7 | 5.4 | 2.6 | 2.4 | 69 |
| SA 160L | 10 | 3.3 | 1421 | 960 | 0.109 | 85 | 80 | 0.84 | 0.68 | 20.15 | 8.78 | 65.9 | 32.2 | 1.5 | 1.4 | 6 | 5.5 | 2.1 | 1.8 | 82 |
| SA 180MT | 16 | 5.5 | 1421 | 962 | 0.129 | 87 | 82 | 0.85 | 0.70 | 31.13 | 13.88 | 105 | 53.5 | 1.6 | 1.5 | 6 | 5.8 | 2.3 | 1.9 | 114 |
| SA 180LT | 19 | 6.5 | 1421 | 965 | 0.174 | 87 | 82 | 0.82 | 0.69 | 38.28 | 16.63 | 125 | 63 | 2.0 | 1.8 | 7.2 | 6.6 | 2.6 | 2.4 | 130 |
| SA 200LT | 26 | 9.5 | 1443 | 965 | 0.193 | 88 | 84 | 0.82 | 0.76 | 51.78 | 21.60 | 169 | 92.1 | 1.8 | 1.7 | 7 | 5.7 | 2.2 | 1.8 | 180 |
| SA 225ST | 34 | 12 | 1450 | 965 | 0.37 | 89 | 85 | 0.83 | 0.77 | 66.18 | 26.62 | 219 | 116 | 2.2 | 1.9 | 7.4 | 5.5 | 2.7 | 2.3 | 235 |
| SA 225MT | 40 | 14.5 | 1450 | 965 | 0.419 | 90 | 86 | 0.84 | 0.78 | 76.11 | 31.40 | 258 | 141 | 2.3 | 1.9 | 7.9 | 6 | 2.8 | 2.4 | 260 |
| SA 250MT | 52 | 18 | 1450 | 965 | 0.613 | 90 | 86 | 0.87 | 0.78 | 95.64 | 38.98 | 336 | 175 | 2.1 | 1.8 | 7.9 | 6.2 | 2.6 | 2.1 | 360 |
| SA 280ST | 70 | 25 | 1450 | 967 | 1.39 | 91 | 89 | 0.87 | 0.81 | 127.3 | 50.42 | 452 | 242 | 2.5 | 2.3 | 7.3 | 6.5 | 2.7 | 2.4 | 470 |
| SA 280MT | 82 | 30 | 1455 | 967 | 1.55 | 91 | 89 | 0.87 | 0.81 | 149.1 | 59.78 | 527 | 290 | 2.6 | 2.3 | 7.5 | 6.5 | 2.8 | 2.4 | 496 |
| SA 315M | 92 | 28 | 1455 | 970 | 3.09 | 91 | 90 | 0.82 | 0.72 | 177.1 | 62.63 | 592 | 270 | 2.3 | 2.4 | 7 | 6.9 | 2.5 | 2.5 | 670 |
| SA 315M | 110 | 33 | 1458 | 973 | 3.91 | 91 | 90 | 0.82 | 0.72 | 211.8 | 73.82 | 706 | 317 | 2.6 | 2.4 | 7.5 | 6.8 | 2.8 | 2.5 | 760 |
| SA 315M | 125 | 37 | 1458 | 973 | 4.32 | 92 | 90 | 0.83 | 0.72 | 235.3 | 82.77 | 802 | 356 | 2.0 | 2.2 | 6.7 | 6 | 2.3 | 2.4 | 830 |
| SA 315Mn | 162 | 48 | 1459 | 974 | 5.76 | 92.5 | 90.5 | 0.82 | 0.72 | 306.9 | 106.7 | 1039 | 461 | 2.6 | 2.4 | 7.5 | 6.8 | 2.8 | 2.5 | 1020 |

Dati tecnici

F 400 - 400°C 120 min

IC 411

Servizio S1 - 400 V - 50 Hz

A due polarità - due avvolgimento separati

6-8 poli - 1.000-750 giri/min

Technical data

F 400 - 400°C 120 min

IC 411

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

6-8 poles - 1.000-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|----|---------------------------------------|------|--------------------------------------|-------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | |
| | 6p | 8p | 6p | 8p | 6p | | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.088 | 0.037 | 902 | 627 | 0.00105 | 35 | 24 | 0.58 | 0.53 | 0.62 | 0.42 | 0.91 | 0.55 | 1.2 | 1.1 | 1.9 | 1.5 | 1.4 | 1.3 | 5.8 |
| SA 71 | 0.11 | 0.048 | 902 | 637 | 0.00129 | 39 | 25 | 0.59 | 0.53 | 0.69 | 0.52 | 1.14 | 0.71 | 1.2 | 1.1 | 1.9 | 1.5 | 1.4 | 1.3 | 6.5 |
| SA 71 | 0.15 | 0.062 | 902 | 637 | 0.00157 | 44 | 27 | 0.63 | 0.53 | 0.78 | 0.62 | 1.56 | 0.91 | 1.2 | 1.1 | 2 | 1.5 | 1.4 | 1.3 | 7.4 |
| SA 80 | 0.18 | 0.075 | 907 | 676 | 0.00164 | 52 | 42 | 0.63 | 0.53 | 0.79 | 0.48 | 1.86 | 1.04 | 1.2 | 1.1 | 2.4 | 2.1 | 1.4 | 1.3 | 7.6 |
| SA 80 | 0.3 | 0.12 | 907 | 676 | 0.00256 | 55 | 45 | 0.66 | 0.57 | 1.20 | 0.67 | 3.1 | 1.66 | 1.3 | 1.2 | 2.6 | 2.3 | 1.5 | 1.5 | 9.8 |
| SA 90S | 0.37 | 0.16 | 911 | 676 | 0.00303 | 63 | 52 | 0.70 | 0.65 | 1.22 | 0.68 | 3.8 | 2.21 | 1.3 | 1.2 | 3 | 2.2 | 1.7 | 1.5 | 10.8 |
| SA 90L | 0.55 | 0.23 | 911 | 676 | 0.00455 | 64 | 54 | 0.71 | 0.68 | 1.75 | 0.91 | 5.65 | 3.18 | 1.4 | 1.3 | 3.1 | 2.3 | 1.8 | 1.6 | 13.5 |
| SA 90L | 0.75 | 0.32 | 911 | 686 | 0.00606 | 64 | 54 | 0.71 | 0.68 | 2.39 | 1.26 | 7.7 | 4.37 | 1.4 | 1.3 | 3.3 | 2.5 | 1.8 | 1.6 | 16.5 |
| SA 100L | 0.88 | 0.37 | 916 | 691 | 0.0087 | 66 | 59 | 0.72 | 0.68 | 2.68 | 1.33 | 9 | 5 | 1.4 | 1.3 | 3.6 | 2.9 | 1.8 | 1.6 | 19.6 |
| SA 100L | 1.1 | 0.48 | 921 | 691 | 0.012 | 67 | 60 | 0.74 | 0.70 | 3.22 | 1.66 | 11.2 | 6.5 | 1.4 | 1.3 | 3.8 | 3 | 1.8 | 1.7 | 23.5 |
| SA 112MT | 1.5 | 0.62 | 921 | 691 | 0.0141 | 70 | 62 | 0.74 | 0.70 | 4.20 | 2.07 | 15.2 | 8.4 | 1.5 | 1.4 | 4 | 3.2 | 1.9 | 1.8 | 26 |
| SA 112M | 1.9 | 0.8 | 926 | 696 | 0.0147 | 78 | 66 | 0.74 | 0.70 | 4.77 | 2.51 | 19.2 | 10.8 | 1.4 | 1.3 | 4.1 | 3.1 | 2.0 | 1.8 | 37 |
| SA 132S | 1.84 | 0.75 | 926 | 691 | 0.023 | 78 | 67 | 0.74 | 0.70 | 4.62 | 2.32 | 18.6 | 10.2 | 1.5 | 1.4 | 4.5 | 3.7 | 2.0 | 1.8 | 39 |
| SA 132S | 2.5 | 1.1 | 931 | 696 | 0.031 | 79 | 69 | 0.75 | 0.71 | 6.12 | 3.25 | 25.1 | 14.8 | 1.5 | 1.4 | 4.9 | 3.8 | 2.2 | 1.9 | 45.5 |
| SA 132M | 3.3 | 1.5 | 931 | 701 | 0.046 | 79 | 71 | 0.75 | 0.71 | 8.08 | 4.31 | 33.2 | 20 | 1.5 | 1.4 | 5.4 | 4.4 | 2.2 | 2.1 | 56 |
| SA 160MT | 4.4 | 1.9 | 931 | 701 | 0.054 | 79 | 72 | 0.76 | 0.71 | 10.64 | 5.39 | 44.2 | 25.4 | 1.5 | 1.4 | 5.4 | 4.5 | 2.2 | 2.1 | 69 |
| SA 160M | 5.5 | 2.35 | 936 | 706 | 0.077 | 82 | 78 | 0.80 | 0.71 | 12.19 | 6.15 | 55 | 31.2 | 1.5 | 1.6 | 5.4 | 5.3 | 2.2 | 2.3 | 71 |
| SA 160L | 7.5 | 3.3 | 941 | 706 | 0.109 | 83 | 80 | 0.81 | 0.72 | 16.03 | 8.30 | 74.6 | 43.8 | 1.5 | 1.6 | 5.4 | 5.3 | 2.2 | 2.3 | 88 |
| SA 180MT | 8.8 | 3.9 | 941 | 711 | 0.129 | 83 | 80 | 0.82 | 0.72 | 18.58 | 9.81 | 87.6 | 51.4 | 1.6 | 1.7 | 5.6 | 5.5 | 2.3 | 2.4 | 105 |
| SA 180LT | 11 | 4.8 | 941 | 711 | 0.154 | 83 | 80 | 0.82 | 0.73 | 23.23 | 11.92 | 109 | 63.2 | 1.6 | 1.7 | 5.9 | 5.8 | 2.3 | 2.4 | 117 |
| SA 200LT | 15 | 6.2 | 960 | 715 | 0.22 | 84 | 80 | 0.81 | 0.73 | 31.67 | 15.39 | 146 | 81.1 | 1.8 | 1.7 | 6.4 | 5.8 | 2.3 | 2.2 | 175 |
| SA 200LT | 18.4 | 7.5 | 960 | 720 | 0.3 | 85 | 80 | 0.81 | 0.73 | 38.39 | 18.62 | 179 | 97.5 | 1.8 | 1.7 | 6.8 | 5.8 | 2.4 | 2.2 | 212 |
| SA 225MT | 22 | 9.5 | 960 | 720 | 0.61 | 87 | 83 | 0.82 | 0.73 | 44.32 | 22.74 | 214 | 123 | 1.8 | 1.9 | 6.5 | 6.5 | 2.3 | 2.4 | 260 |
| SA 250MT | 26 | 11 | 965 | 720 | 0.9 | 87 | 83 | 0.81 | 0.71 | 53.00 | 27.05 | 252 | 143 | 2.0 | 2.2 | 6.3 | 5.8 | 2.4 | 2.4 | 317 |
| SA 250MT | 30 | 12.5 | 965 | 720 | 1.02 | 88 | 84 | 0.82 | 0.72 | 59.75 | 29.96 | 291 | 162 | 2.0 | 2.2 | 6.3 | 6.1 | 2.6 | 2.7 | 360 |
| SA 280ST | 33 | 14 | 965 | 723 | 1.75 | 89 | 86 | 0.82 | 0.76 | 64.99 | 31.09 | 320 | 181 | 2.1 | 2.1 | 5.8 | 5.5 | 2.5 | 2.3 | 430 |
| SA 280MT | 40 | 17 | 965 | 723 | 2 | 89 | 86 | 0.83 | 0.77 | 77.86 | 37.28 | 388 | 220 | 2.2 | 1.8 | 6 | 5.4 | 2.6 | 1.9 | 460 |
| SA 315ST | 48 | 20 | 965 | 723 | 2.43 | 90 | 86 | 0.83 | 0.77 | 92.39 | 43.86 | 465 | 259 | 2.3 | 1.9 | 6 | 5.6 | 2.7 | 2.1 | 528 |
| SA 315M | 55 | 23.5 | 968 | 725 | 3.23 | 91 | 90 | 0.83 | 0.76 | 104.0 | 49.87 | 532 | 303 | 2.1 | 2.0 | 6 | 5.8 | 1.9 | 1.7 | 600 |
| SA 315M | 65 | 28 | 970 | 725 | 3.62 | 92 | 91 | 0.83 | 0.77 | 122.3 | 58.02 | 627 | 361 | 2.1 | 1.9 | 6 | 5.5 | 1.9 | 1.6 | 645 |

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.37 | S1A 71-a | 0.44 | 2762 | 0.0004 | 71.5 | 0.8 | 1.11 | 1.52 | 1.9 | 3.4 | 1.9 | 10 | 5.7 |
| 0.55 | S1A 71-b | 0.66 | 2772 | 0.0005 | 71.5 | 0.8 | 1.67 | 2.27 | 2.1 | 3.9 | 2.2 | 10 | 6.7 |
| 0.75 | S1A 80-a | 0.9 | 2784 | 0.0012 | 76.5 | 0.81 | 2.10 | 3.09 | 1.9 | 3.9 | 2.0 | 14 | 8.1 |
| 1.1 | S1A 80-b | 1.3 | 2787 | 0.0017 | 76.7 | 0.81 | 3.02 | 4.45 | 1.9 | 4.1 | 2.0 | 14 | 9.7 |
| 1.5 | S1A 90S | 1.8 | 2808 | 0.0012 | 79 | 0.8 | 4.12 | 6.12 | 2.0 | 4.0 | 2.1 | 16 | 10.7 |
| 2.2 | S1A 90L | 2.6 | 2811 | 0.0019 | 81.5 | 0.78 | 5.91 | 8.83 | 2.0 | 4.1 | 2.1 | 16 | 12.7 |
| 3 | S1A 100L | 3.6 | 2820 | 0.0032 | 83.1 | 0.81 | 7.73 | 12.2 | 2.2 | 5.4 | 2.3 | 20 | 19.5 |
| 4 | S1A 112MT-a | 4.8 | 2832 | 0.0042 | 84.7 | 0.8 | 10.2 | 16.2 | 2.2 | 5.5 | 2.3 | 20 | 22.0 |
| 5.5 | S1A 112MT-b | 6.6 | 2856 | 0.0055 | 84 | 0.84 | 13.5 | 22.1 | 2.1 | 5.9 | 2.3 | 20 | 27.2 |
| 5.5 | S1A 132S-a | 6.6 | 2880 | 0.009 | 86.2 | 0.85 | 13.0 | 21.9 | 2.1 | 5.9 | 2.3 | 21 | 36.4 |
| 7.5 | S1A 132S-b | 9 | 2880 | 0.0113 | 87.5 | 0.85 | 17.5 | 29.8 | 2.1 | 5.9 | 2.3 | 21 | 40.0 |
| 9 | S1A 132M | 10.5 | 2895 | 0.015 | 86.5 | 0.86 | 20.4 | 34.6 | 2.1 | 6.0 | 2.3 | 21 | 45.5 |
| 11 | S1A 160MT-a | 13 | 2894 | 0.017 | 88.9 | 0.84 | 25.2 | 42.9 | 2.1 | 5.4 | 2.3 | 21 | 55 |
| 15 | S1A 160MT-b | 18 | 2916 | 0.023 | 89.9 | 0.85 | 34.0 | 58.9 | 2.2 | 5.7 | 2.3 | 21 | 65 |
| 18.5 | S1A 160L | 22 | 2929 | 0.043 | 90.5 | 0.85 | 41.3 | 71.7 | 2.2 | 5.8 | 2.4 | 21 | 87 |
| 22 | S1A 180MT | 26 | 2941 | 0.051 | 91 | 0.85 | 48.6 | 84.4 | 2.3 | 6.1 | 2.5 | 22 | 106 |
| 25 | S1A 180LT | 30 | 2940 | 0.059 | 90 | 0.86 | 56.0 | 97.4 | 2.3 | 5.9 | 2.4 | 22 | 112 |
| 30 | S1A 200LT-a | 36 | 2940 | 0.089 | 91.9 | 0.86 | 65.8 | 117 | 2.3 | 6.1 | 2.5 | 22 | 136 |
| 37 | S1A 200LT-b | 44 | 2952 | 0.111 | 92.5 | 0.86 | 79.9 | 142 | 2.3 | 6.2 | 2.5 | 22 | 156 |
| 45 | S1A 225MT | 54 | 2952 | 0.18 | 93 | 0.86 | 97.6 | 175 | 2.3 | 6.3 | 2.5 | 26 | 204 |
| 55 | S1A 250MT | 66 | 2964 | 0.283 | 93.5 | 0.87 | 117 | 213 | 2.3 | 6.4 | 2.5 | 26 | 273 |
| 75 | S1A 280ST | 90 | 2964 | 0.493 | 94.1 | 0.87 | 159 | 290 | 2.2 | 6.0 | 2.4 | 26 | 364 |
| 90 | S1A 280MT | 110 | 2963 | 0.587 | 94.4 | 0.88 | 191 | 354 | 2.2 | 6.2 | 2.5 | 26 | 399 |
| 110 | S1A 315ST | 132 | 2970 | 0.751 | 94 | 0.89 | 228 | 424 | 2.2 | 6.3 | 2.3 | 26 | 487 |
| 132 | S1A 315M | 160 | 2976 | 1.27 | 94 | 0.89 | 276 | 513 | 2.1 | 6.1 | 2.2 | 30 | 610 |
| 160 | S1A 315M | 190 | 2976 | 1.52 | 94 | 0.89 | 328 | 610 | 2.1 | 6.3 | 2.3 | 30 | 658 |
| 200 | S1A 315M | 240 | 2976 | 1.83 | 94.5 | 0.9 | 408 | 770 | 2.1 | 6.2 | 2.3 | 30 | 750 |
| 250 | S1A 355LT | 300 | 2976 | 2.29 | 94.5 | 0.9 | 510 | 963 | 1.8 | 6.3 | 2.0 | 30 | 885 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|--|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcasa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.25 | S1A 71-a | 0.3 | 1320 | 0.0004 | 68.5 | 0.65 | 0.97 | 2.17 | 1.7 | 2.9 | 1.7 | 10 | 5.4 |
| 0.37 | S1A 71-b | 0.45 | 1318 | 0.0005 | 69.5 | 0.67 | 1.40 | 3.26 | 1.6 | 3.0 | 1.6 | 10 | 6.7 |
| 0.55 | S1A 80-a | 0.66 | 1332 | 0.0012 | 72.5 | 0.7 | 1.88 | 4.73 | 1.9 | 3.7 | 1.9 | 14 | 8.1 |
| 0.75 | S1A 80-b | 0.9 | 1332 | 0.0017 | 73.5 | 0.73 | 2.42 | 6.45 | 1.9 | 3.5 | 1.9 | 14 | 9.5 |
| 1.1 | S1A 90S | 1.3 | 1358 | 0.0022 | 76.7 | 0.78 | 3.14 | 9.14 | 1.9 | 3.9 | 2.1 | 16 | 11.1 |
| 1.5 | S1A 90L | 1.8 | 1356 | 0.0028 | 79 | 0.77 | 4.28 | 12.7 | 1.9 | 3.8 | 2.1 | 16 | 13.4 |
| 2.2 | S1A 100L-a | 2.6 | 1394 | 0.005 | 81.5 | 0.79 | 5.84 | 17.8 | 1.7 | 3.9 | 1.9 | 20 | 17.7 |
| 3 | S1A 100L-b | 3.6 | 1392 | 0.006 | 83.1 | 0.8 | 7.83 | 24.7 | 1.7 | 3.8 | 1.8 | 20 | 20.2 |
| 4 | S1A 112MT | 4.8 | 1404 | 0.009 | 84.7 | 0.81 | 10.1 | 32.6 | 2.0 | 4.2 | 2.1 | 20 | 24.7 |
| 5.5 | S1A 132S | 6.6 | 1416 | 0.021 | 86.2 | 0.8 | 13.8 | 44.5 | 1.8 | 5.0 | 2.1 | 22 | 41 |
| 7.5 | S1A 132M-a | 9 | 1416 | 0.028 | 87.5 | 0.81 | 18.4 | 60.7 | 1.8 | 5.0 | 2.1 | 22 | 48.3 |
| 9 | S1A 132M-b | 11 | 1414 | 0.034 | 87.5 | 0.81 | 22.4 | 74.3 | 1.7 | 4.9 | 2.0 | 22 | 53.8 |
| 11 | S1A 160MT | 13 | 1459 | 0.039 | 88.9 | 0.83 | 25.5 | 85.1 | 2.2 | 5.0 | 2.2 | 22 | 66.5 |
| 15 | S1A 160L | 18 | 1458 | 0.08 | 89.9 | 0.82 | 35.3 | 118 | 2.2 | 5.0 | 2.2 | 22 | 86 |
| 18.5 | S1A 180MT | 22 | 1464 | 0.098 | 90.5 | 0.83 | 42.3 | 143 | 2.1 | 5.5 | 2.4 | 22 | 107 |
| 22 | S1A 180LT | 26 | 1465 | 0.12 | 91 | 0.83 | 49.7 | 170 | 2.1 | 5.5 | 2.4 | 22 | 115 |
| 30 | S1A 200LT | 36 | 1464 | 0.16 | 91.9 | 0.85 | 66.6 | 235 | 2.0 | 5.5 | 2.3 | 22 | 151 |
| 37 | S1A 225ST | 44 | 1476 | 0.31 | 92.5 | 0.84 | 81.8 | 285 | 2.2 | 6.0 | 2.4 | 22 | 198 |
| 45 | S1A 225MT-a | 54 | 1476 | 0.39 | 93 | 0.84 | 100 | 349 | 2.2 | 6.0 | 2.4 | 22 | 229 |
| 55 | S1A 250MT-b | 66 | 1476 | 0.51 | 93.5 | 0.85 | 120 | 427 | 2.1 | 6.1 | 2.2 | 26 | 280 |
| 75 | S1A 280ST | 90 | 1482 | 1.15 | 94.1 | 0.86 | 161 | 580 | 2.1 | 6.1 | 2.3 | 26 | 380 |
| 90 | S1A 280MT | 110 | 1482 | 1.31 | 94.4 | 0.86 | 196 | 709 | 2.1 | 5.5 | 2.2 | 26 | 407 |
| 110 | S1A 315ST | 132 | 1482 | 1.55 | 94.5 | 0.88 | 229 | 851 | 2.2 | 5.6 | 2.3 | 26 | 487 |
| 132 | S1A 315M-a | 160 | 1482 | 2.6 | 94.5 | 0.88 | 278 | 1031 | 1.8 | 5.2 | 2.2 | 30 | 620 |
| 160 | S1A 315M-b | 190 | 1482 | 3.5 | 94.5 | 0.88 | 330 | 1224 | 2.1 | 5.6 | 2.3 | 30 | 730 |
| 200 | S1A 315M-c | 240 | 1482 | 4.16 | 94.7 | 0.89 | 411 | 1546 | 2.2 | 5.7 | 2.3 | 30 | 872 |
| 250 | S1A 355LT | 300 | 1484 | 5 | 94.9 | 0.89 | 513 | 1930 | 2.3 | 5.9 | 1.9 | 30 | 1035 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.18 | S1A 71-a | 0.22 | 866 | 0.0011 | 54.5 | 0.61 | 0.96 | 2.43 | 1.4 | 2.3 | 1.6 | 10 | 5.5 |
| 0.22 | S1A 71-b | 0.26 | 870 | 0.0013 | 55.5 | 0.61 | 1.11 | 2.85 | 1.5 | 2.3 | 1.7 | 10 | 6.2 |
| 0.37 | S1A 80-a | 0.45 | 878 | 0.0016 | 66.5 | 0.71 | 1.38 | 4.89 | 1.5 | 2.4 | 1.7 | 12 | 5.3 |
| 0.55 | S1A 80-b | 0.66 | 880 | 0.0026 | 69.5 | 0.71 | 1.93 | 7.16 | 1.5 | 2.6 | 1.7 | 12 | 6 |
| 0.75 | S1A 90S | 0.9 | 892 | 0.0035 | 72.5 | 0.72 | 2.49 | 9.63 | 1.6 | 3.2 | 1.8 | 14 | 10.3 |
| 1.1 | S1A 90L | 1.3 | 894 | 0.0051 | 73.5 | 0.72 | 3.55 | 13.89 | 1.7 | 3.4 | 1.7 | 14 | 13 |
| 1.5 | S1A 100L | 1.8 | 904 | 0.0087 | 75.5 | 0.73 | 4.72 | 19.0 | 1.8 | 4.0 | 1.9 | 16 | 18.8 |
| 2.2 | S1A 112MT | 2.6 | 929 | 0.014 | 78.5 | 0.75 | 6.38 | 26.7 | 1.9 | 4.7 | 2.1 | 16 | 24.2 |
| 3 | S1A 132S | 3.6 | 940 | 0.023 | 80.5 | 0.78 | 8.29 | 36.6 | 1.7 | 4.7 | 1.9 | 20 | 38 |
| 4 | S1A 132M-a | 4.8 | 940 | 0.031 | 82.5 | 0.78 | 10.8 | 48.8 | 1.9 | 4.8 | 2.2 | 20 | 44.5 |
| 5.5 | S1A 132M-b | 6.6 | 940 | 0.041 | 83.5 | 0.78 | 14.6 | 67.0 | 1.9 | 5.0 | 2.2 | 20 | 51.5 |
| 7.5 | S1A 160MT | 9 | 952 | 0.054 | 85.5 | 0.8 | 19.0 | 90.3 | 1.8 | 5.0 | 2.2 | 22 | 66 |
| 11 | S1A 160L | 13 | 953 | 0.109 | 86.5 | 0.81 | 26.8 | 130 | 1.9 | 5.4 | 2.5 | 22 | 85 |
| 15 | S1A 180LT | 18 | 964 | 0.141 | 87.5 | 0.82 | 36.3 | 178 | 2.0 | 6.0 | 2.5 | 22 | 111 |
| 18.5 | S1A 200LT-a | 22 | 970 | 0.271 | 88.5 | 0.83 | 43.3 | 217 | 1.9 | 5.8 | 2.4 | 22 | 141 |
| 22 | S1A 200LT-b | 26 | 970 | 0.32 | 88.5 | 0.83 | 51.2 | 256 | 1.9 | 5.8 | 2.4 | 22 | 151 |
| 30 | S1A 225MT | 36 | 976 | 0.541 | 90.5 | 0.84 | 68.4 | 352 | 2.0 | 5.1 | 2.2 | 22 | 230 |
| 37 | S1A 250MT | 45 | 976 | 0.752 | 91.5 | 0.84 | 84.6 | 440 | 2.0 | 5.6 | 2.2 | 22 | 289 |
| 45 | S1A 280ST | 54 | 982 | 1.37 | 92.5 | 0.82 | 103 | 525 | 1.9 | 5.5 | 2.0 | 26 | 375 |
| 55 | S1A 280MT | 66 | 982 | 1.68 | 92.5 | 0.82 | 126 | 642 | 1.9 | 5.4 | 2.0 | 26 | 414 |
| 75 | S1A 315ST | 90 | 982 | 2.37 | 92.5 | 0.83 | 169 | 875 | 1.8 | 5.0 | 1.9 | 26 | 518 |
| 90 | S1A 315M-a | 108 | 986 | 2.7 | 93.5 | 0.83 | 201 | 1046 | 1.9 | 4.9 | 2.2 | 30 | 633 |
| 110 | S1A 315M-b | 132 | 983 | 2.7 | 93.5 | 0.84 | 243 | 1282 | 1.9 | 4.9 | 2.2 | 30 | 662 |
| 132 | S1A 315M-c | 160 | 983 | 3.15 | 93.8 | 0.84 | 293 | 1554 | 1.9 | 4.9 | 2.1 | 30 | 720 |
| 160 | S1A 315M-d | 192 | 984 | 4.7 | 94.5 | 0.84 | 350 | 1862 | 2.0 | 5.0 | 2.2 | 30 | 900 |
| 200 | S1A 355LT | 240 | 984 | 5.7 | 94.5 | 0.84 | 437 | 2328 | 2.0 | 5.0 | 2.2 | 30 | 1134 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

8 poli - 750 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

8 poles - 750 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|--|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcasa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.18 | S1A 80 | 0.22 | 652 | 0.0016 | 52.5 | 0.6 | 1.01 | 3.22 | 1.5 | 2.5 | 1.6 | 9 | 6.8 |
| 0.25 | S1A 80 | 0.3 | 654 | 0.0016 | 52.5 | 0.6 | 1.38 | 4.38 | 1.5 | 1.8 | 1.7 | 9 | 6.8 |
| 0.37 | S1A 90S | 0.45 | 653 | 0.0026 | 61.5 | 0.6 | 1.76 | 6.58 | 1.5 | 1.7 | 1.6 | 10 | 8.9 |
| 0.55 | S1A 90L | 0.67 | 665 | 0.003 | 64.5 | 0.63 | 2.38 | 9.62 | 1.5 | 1.7 | 1.6 | 10 | 9.8 |
| 0.75 | S1A 100L | 1 | 670 | 0.0045 | 67.5 | 0.63 | 3.40 | 14.3 | 1.4 | 1.9 | 1.5 | 12 | 12.3 |
| 1.1 | S1A 100L | 1.3 | 679 | 0.0087 | 68.5 | 0.64 | 4.29 | 18.3 | 1.7 | 2.0 | 1.8 | 12 | 18.3 |
| 1.5 | S1A 112MT | 1.8 | 678 | 0.0109 | 70.5 | 0.64 | 5.76 | 25.4 | 1.7 | 2.1 | 1.8 | 14 | 20.5 |
| 2.2 | S1A 132S | 2.7 | 689 | 0.0141 | 73.5 | 0.65 | 8.17 | 37.4 | 1.5 | 2.0 | 2.0 | 14 | 22 |
| 3 | S1A 132M | 3.7 | 695 | 0.0307 | 78.5 | 0.71 | 9.59 | 50.9 | 1.5 | 2.7 | 1.8 | 18 | 42 |
| 4 | S1A 160MT | 4.9 | 701 | 0.0409 | 79.5 | 0.72 | 12.4 | 66.7 | 1.6 | 3.1 | 1.9 | 18 | 49 |
| 5.5 | S1A 160M | 6.7 | 701 | 0.0537 | 80.5 | 0.73 | 16.5 | 91.2 | 1.6 | 3.0 | 1.7 | 20 | 64.5 |
| 7.5 | S1A 160L | 9 | 708 | 0.0772 | 82.5 | 0.73 | 21.6 | 121 | 1.7 | 3.1 | 1.8 | 20 | 66 |
| 11 | S1A 180LT | 13 | 715 | 0.109 | 84.5 | 0.74 | 30.0 | 174 | 1.8 | 3.1 | 1.9 | 20 | 83.5 |
| 15 | S1A 200LT | 18 | 726 | 0.154 | 86.5 | 0.76 | 39.6 | 237 | 1.8 | 3.1 | 1.7 | 20 | 111 |
| 18.5 | S1A 225ST | 23 | 725 | 0.345 | 87.5 | 0.76 | 50.0 | 303 | 1.7 | 3.6 | 1.9 | 20 | 149 |
| 22 | S1A 225MT | 27 | 725 | 0.505 | 88.5 | 0.79 | 55.8 | 355 | 1.9 | 3.6 | 1.9 | 20 | 200 |
| 30 | S1A 250MT | 36 | 726 | 0.577 | 89.5 | 0.79 | 73.6 | 474 | 1.9 | 3.2 | 2.0 | 21 | 235 |
| 37 | S1A 280ST | 45 | 732 | 0.902 | 90.5 | 0.8 | 89.8 | 587 | 2.0 | 3.7 | 2.1 | 21 | 308 |
| 45 | S1A 280MT | 55 | 732 | 1.75 | 91 | 0.8 | 109 | 718 | 1.7 | 3.4 | 1.9 | 21 | 411 |
| 55 | S1A 315ST | 67 | 732 | 2.12 | 91.5 | 0.8 | 132 | 874 | 1.7 | 3.4 | 1.9 | 21 | 451 |
| 75 | S1A 315M | 91 | 738 | 2.43 | 92.5 | 0.8 | 178 | 1178 | 1.9 | 3.3 | 1.8 | 28 | 515 |
| 90 | S1A 315M | 110 | 738 | 3.1 | 93.5 | 0.8 | 213 | 1424 | 1.3 | 3.6 | 1.8 | 28 | 661 |
| 110 | S1A 315M | 132 | 738 | 3.52 | 94 | 0.8 | 254 | 1708 | 1.3 | 3.6 | 1.9 | 28 | 759 |
| 132 | S1A 315M | 160 | 738 | 4.4 | 94.3 | 0.8 | 306 | 2071 | 1.3 | 3.7 | 1.9 | 28 | 890 |
| Serie S1S (carcasa in acciaio) - S1S Series (steel frame) | | | | | | | | | | | | | |
| 200 | S1S 355L-b | 240 | 742 | 10.5 | 93.5 | 0.81 | 458 | 3089 | 1.3 | 4.6 | 2.0 | 30 | 1565 |
| 250 | S1S 355L-c | 300 | 745 | 12.6 | 93.5 | 0.82 | 565 | 3205 | 1.5 | 5.6 | 2.4 | 30 | 1735 |
| 315 | S1S 355Lx-a | 378 | 745 | 28.9 | 94 | 0.8 | 726 | 4039 | 1.4 | 6 | 2.4 | 30 | 2490 |
| 355 | S1S 355Lx-b | 426 | 745 | 34 | 94 | 0.81 | 809 | 4550 | 1.5 | 6 | 2.5 | 30 | 2810 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 80-a | 0.9 | 2844 | 0.0004 | 77.9 | 0.8 | 2.09 | 3.02 | 1.9 | 3.9 | 2.0 | 10 | 9.3 |
| 1.1 | S2A 80-b | 1.32 | 2970 | 0.0005 | 80.1 | 0.8 | 2.98 | 4.24 | 2.2 | 4.6 | 2.3 | 10 | 10.9 |
| 1.5 | S2A 90S | 1.8 | 2796 | 0.0012 | 81.8 | 0.82 | 3.88 | 6.15 | 2.2 | 4.7 | 2.2 | 14 | 13.4 |
| 2.2 | S2A 90L | 1.3 | 2929 | 0.0017 | 83.7 | 0.82 | 2.74 | 4.24 | 4.4 | 10.0 | 4.4 | 14 | 15.4 |
| 3 | S2A 100L | 3.6 | 2856 | 0.0012 | 85.1 | 0.84 | 7.28 | 12.04 | 2.0 | 5.2 | 2.1 | 16 | 23.0 |
| 4 | S2A 112MT-a | 4.8 | 2892 | 0.0019 | 86.3 | 0.84 | 9.57 | 15.85 | 1.9 | 5.7 | 2.2 | 16 | 27.2 |
| 5.5 | S2A 132S-a | 6.6 | 2856 | 0.0032 | 87.5 | 0.9 | 12.1 | 22.1 | 1.8 | 5.7 | 2.1 | 20 | 42.3 |
| 7.5 | S2A 132S-b | 9 | 2904 | 0.0042 | 87.5 | 0.9 | 16.5 | 29.6 | 1.9 | 5.8 | 2.2 | 20 | 48.5 |
| 11 | S2A 160M-a | 13 | 2923 | 0.0055 | 89.9 | 0.88 | 23.7 | 42.5 | 1.7 | 5.3 | 2.4 | 20 | 74.0 |
| 15 | S2A 160M-b | 18 | 2923 | 0.009 | 90.8 | 0.89 | 32.2 | 58.8 | 1.9 | 5.6 | 2.3 | 21 | 88.0 |
| 18.5 | S2A 160L | 22 | 2926 | 0.0113 | 91.4 | 0.89 | 39.1 | 71.8 | 2.0 | 6.1 | 2.4 | 21 | 108.0 |
| 22 | S2A 180MT | 26 | 2927 | 0.015 | 91.8 | 0.89 | 46.0 | 84.8 | 2.2 | 6.1 | 2.5 | 21 | 114.0 |
| 30 | S2A 200LT-a | 36 | 2934 | 0.017 | 92.5 | 0.91 | 61.8 | 117.2 | 1.7 | 5.9 | 2.3 | 21 | 159 |
| 37 | S2A 200LT-b | 45 | 2936 | 0.023 | 93 | 0.91 | 76.8 | 146.4 | 1.8 | 5.8 | 2.5 | 21 | 181 |
| 45 | S2A 225MT | 55 | 2951 | 0.043 | 93.4 | 0.9 | 94.6 | 178.0 | 2.1 | 6.2 | 2.5 | 21 | 219 |
| 55 | S2A 250MT | 66 | 2958 | 0.051 | 93.7 | 0.9 | 113 | 213.1 | 2.2 | 6.3 | 2.5 | 22 | 276 |
| 75 | S2A 280ST | 90 | 2958 | 0.059 | 94.3 | 0.9 | 153 | 290.5 | 2.0 | 6.0 | 2.3 | 22 | 402 |
| 90 | S2A 280MT | 110 | 2961 | 0.089 | 94.6 | 0.9 | 187 | 355 | 2.0 | 5.9 | 2.3 | 22 | 489 |
| 110 | S2A 315ST | 132 | 2964 | 0.111 | 94.8 | 0.9 | 224 | 425 | 2.2 | 6.3 | 2.3 | 22 | 547 |
| 132 | S2A 315Ma | 160 | 2848 | 0.18 | 95.1 | 0.9 | 270 | 536 | 1.6 | 5.8 | 1.9 | 26 | 684 |
| 160 | S2A 315Mb | 200 | 2844 | 0.283 | 95.3 | 0.9 | 337 | 672 | 1.5 | 5.6 | 1.8 | 26 | 756 |
| 200 | S2A 315Mc | 240 | 2850 | 0.493 | 95.5 | 0.9 | 404 | 804 | 1.7 | 5.9 | 1.9 | 26 | 852 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L | 300 | 2980 | 0.493 | 95.6 | 0.91 | 498 | 961 | 1.7 | 5.9 | 1.9 | 26 | 1175 |
| 280 | S2S 355L-a | 336 | 2976 | 1.493 | 95.6 | 0.91 | 558 | 1078 | 1.7 | 5.9 | 1.9 | 27 | 1255 |
| 315 | S2S 355L-b | 378 | 2976 | 2.493 | 95.6 | 0.91 | 628 | 1213 | 1.9 | 6.3 | 2.1 | 28 | 1575 |
| 355 | S2S 355Lx-a | 426 | 2976 | 3.493 | 95.6 | 0.9 | 715 | 1367 | 1.8 | 6.3 | 2.0 | 29 | 1840 |
| 400 | S2S 355Lx-b | 480 | 2982 | 4.493 | 95.7 | 0.9 | 805 | 1537 | 1.8 | 6.3 | 2.0 | 30 | 1970 |
| 450 | S2S 355Lx-c | 540 | 2982 | 5.493 | 95.7 | 0.9 | 906 | 1729 | 1.8 | 6.3 | 2.0 | 31 | 2120 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 80-b | 0.9 | 1332 | 0.0004 | 80.1 | 0.73 | 2.22 | 6.45 | 1.9 | 4.3 | 1.9 | 10 | 10.7 |
| 1.1 | S2A 90S | 1.3 | 1376 | 0.0005 | 81.9 | 0.81 | 2.83 | 9.02 | 1.9 | 4.0 | 2.1 | 10 | 13.9 |
| 1.5 | S2A 90L | 1.8 | 1380 | 0.0012 | 83.3 | 0.81 | 3.86 | 12.46 | 2.2 | 4.2 | 2.2 | 14 | 17.3 |
| 2.2 | S2A 100L-a | 2.6 | 1411 | 0.0017 | 84.8 | 0.8 | 5.54 | 17.59 | 1.7 | 4.2 | 1.9 | 14 | 20.7 |
| 3 | S2A 100L-b | 3.6 | 1410 | 0.0022 | 86 | 0.8 | 7.56 | 24.38 | 1.7 | 4.2 | 1.8 | 16 | 25.4 |
| 4 | S2A 112M | 4.8 | 1404 | 0.0028 | 87.1 | 0.8 | 9.95 | 32.6 | 2.0 | 4.2 | 2.1 | 16 | 34.2 |
| 5.5 | S2A 132S | 6.6 | 1442 | 0.005 | 88.2 | 0.8 | 13.52 | 43.7 | 1.5 | 4.6 | 2.1 | 20 | 47 |
| 7.5 | S2A 132M | 9 | 1447 | 0.006 | 89.2 | 0.81 | 18.00 | 59.4 | 1.7 | 4.9 | 2.2 | 20 | 57 |
| 9.2 | S2A 132Mb | 11 | 1449 | 0.009 | 89.8 | 0.81 | 21.9 | 72.5 | 1.7 | 5.0 | 2.3 | 20 | 64.2 |
| 11 | S2A 160M | 13 | 1456 | 0.021 | 90.3 | 0.83 | 25.1 | 85.2 | 2.0 | 4.9 | 2.1 | 22 | 83.5 |
| 15 | S2A 160L | 18 | 1456 | 0.028 | 91.1 | 0.83 | 34.4 | 118.1 | 2.2 | 5.0 | 2.2 | 22 | 102 |
| 18.5 | S2A 180MT | 22 | 1458 | 0.034 | 91.7 | 0.83 | 41.8 | 144.0 | 2.1 | 5.0 | 2.1 | 22 | 123 |
| 22 | S2A 180L | 26 | 1459 | 0.039 | 92.1 | 0.87 | 46.9 | 170.2 | 1.9 | 5.1 | 2.2 | 22 | 152 |
| 30 | S2A 200LT | 36 | 1458 | 0.08 | 92.8 | 0.87 | 64.4 | 236 | 1.8 | 5.2 | 2.3 | 22 | 183 |
| 37 | S2A 225ST | 45 | 1464 | 0.098 | 93.2 | 0.87 | 80.2 | 294 | 2.1 | 5.8 | 2.4 | 22 | 227 |
| 45 | S2A 225M | 55 | 1468 | 0.12 | 93.6 | 0.88 | 96.5 | 358 | 2.1 | 6.1 | 2.4 | 22 | 259 |
| 55 | S2A 250MT | 66 | 1470 | 0.16 | 94 | 0.88 | 115.3 | 429 | 2.3 | 6.4 | 2.5 | 22 | 311 |
| 75 | S2A 280ST | 90 | 1476 | 0.31 | 94.5 | 0.88 | 156.4 | 582 | 2.2 | 5.9 | 2.2 | 22 | 403 |
| 90 | S2A 280MT | 110 | 1476 | 0.39 | 94.7 | 0.88 | 191 | 712 | 2.1 | 5.8 | 2.1 | 22 | 468 |
| 110 | S2A 315M-a | 132 | 1486 | 0.51 | 95 | 0.86 | 233 | 848 | 2.2 | 5.9 | 2.2 | 26 | 654 |
| 132 | S2A 315M-b | 160 | 1485 | 1.15 | 95.2 | 0.86 | 282 | 1029 | 2.1 | 6.0 | 2.1 | 26 | 726 |
| 160 | S2A 315M-c | 200 | 1485 | 1.31 | 95.4 | 0.88 | 344 | 1286 | 2.2 | 5.8 | 2.2 | 26 | 840 |
| 200 | S2A 315M-d | 240 | 1482 | 1.55 | 95.6 | 0.88 | 412 | 1546 | 2.3 | 6.0 | 2.3 | 26 | 1017 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L-a | 300 | 1490 | 2.6 | 95.6 | 0.87 | 521 | 1922 | 1.2 | 5.4 | 2.0 | 30 | 1350 |
| 280 | S2S 355L-b | 330 | 1491 | 3.5 | 95.6 | 0.88 | 567 | 2114 | 1.2 | 5.5 | 2.0 | 30 | 1480 |
| 315 | S2S 355L-c | 380 | 1490 | 4.16 | 95.8 | 0.88 | 651 | 2435 | 1.2 | 5.4 | 2.0 | 30 | 1670 |
| 355 | S2S 355Lx-a | 420 | 1491 | 5 | 95.8 | 0.89 | 712 | 2691 | 1.1 | 5.8 | 2.4 | 30 | 1840 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 90S | 0.9 | 910 | 0.005 | 76.4 | 0.66 | 2.58 | 9.44 | 2.1 | 4.2 | 2.4 | 10 | 13.2 |
| 1.1 | S2A 90L | 1.32 | 910 | 0.006 | 78.6 | 0.7 | 3.47 | 13.85 | 2.3 | 4.3 | 2.5 | 10 | 16.2 |
| 1.5 | S2A 100L | 1.8 | 940 | 0.013 | 80.3 | 0.71 | 4.56 | 18.3 | 1.8 | 3.9 | 2.1 | 12 | 24.5 |
| 2.2 | S2A 112M | 2.64 | 940 | 0.018 | 82.3 | 0.71 | 6.53 | 26.8 | 1.8 | 4.9 | 2.2 | 12 | -0.5 |
| 3 | S2A 132S | 3.6 | 946 | 0.029 | 83.8 | 0.72 | 8.62 | 36.3 | 1.8 | 4.7 | 2.3 | 14 | 45 |
| 4 | S2A 132M-a | 4.8 | 946 | 0.039 | 85.1 | 0.72 | 11.32 | 48.5 | 1.9 | 5.0 | 2.4 | 14 | 52 |
| 5.5 | S2A 132M-b | 6.6 | 946 | 0.051 | 86.5 | 0.73 | 15.1 | 66.6 | 2.0 | 5.0 | 2.5 | 16 | 68.2 |
| 7.5 | S2A 160M | 9 | 952 | 0.104 | 87.7 | 0.78 | 19.0 | 90.3 | 2.2 | 5.9 | 2.5 | 16 | 87.2 |
| 11 | S2A 160L | 13.2 | 958 | 0.123 | 89.2 | 0.78 | 27.4 | 131.6 | 2.2 | 6.2 | 2.5 | 20 | 113 |
| 15 | S2A 180LT | 18 | 964 | 0.16 | 90.2 | 0.78 | 37.0 | 178.3 | 2.3 | 6.3 | 2.5 | 20 | 124 |
| 18.5 | S2A 200L-a | 22.2 | 976 | 0.38 | 90.9 | 0.86 | 41.0 | 217.2 | 2.1 | 5.6 | 2.3 | 20 | 133 |
| 22 | S2A 200L-b | 26.4 | 976 | 0.45 | 91.4 | 0.86 | 48.5 | 258.3 | 2.3 | 5.9 | 2.4 | 22 | 152 |
| 30 | S2A 225M | 36 | 976 | 0.72 | 92.2 | 0.82 | 68.8 | 352.2 | 2.2 | 5.9 | 2.4 | 22 | 292 |
| 37 | S2A 250MT | 44.4 | 976 | 0.864 | 92.7 | 0.82 | 84.4 | 434.4 | 2.2 | 5.9 | 2.4 | 22 | 329 |
| 45 | S2A 280ST | 54 | 982 | 1.72 | 93.2 | 0.83 | 100.9 | 525.1 | 1.9 | 5.1 | 1.9 | 22 | 417 |
| 55 | S2A 280MT | 66 | 982 | 2.17 | 93.6 | 0.83 | 123 | 641.8 | 2.0 | 5.0 | 1.9 | 22 | 486 |
| 75 | S2A 315ST | 90 | 982 | 2.68 | 94.2 | 0.83 | 166 | 875.2 | 2.0 | 5.0 | 1.9 | 22 | 561 |
| 90 | S2A 315M-a | 108 | 986 | 3.14 | 94.5 | 0.83 | 199 | 1046.4 | 2.0 | 5.5 | 2.3 | 22 | 666 |
| 110 | S2A 315M-b | 132 | 986 | 3.73 | 94.8 | 0.84 | 240 | 1278.9 | 2.0 | 5.5 | 2.3 | 26 | 724 |
| 132 | S2A 315M-c | 158.4 | 986 | 4.7 | 95.1 | 0.84 | 287 | 1534.7 | 2.3 | 5.9 | 2.4 | 26 | 903 |
| 160 | S2A 315M-d | 192 | 986 | 5.7 | 95.3 | 0.84 | 347 | 1860.2 | 2.3 | 5.9 | 2.4 | 26 | 1092 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L-a | 300 | 1490 | 2.6 | 95.6 | 0.87 | 521 | 1922 | 1.2 | 5.4 | 2.0 | 30 | 1340 |
| 280 | S2S 355L-b | 330 | 1491 | 3.5 | 95.6 | 0.88 | 567 | 2114 | 1.2 | 5.5 | 2.0 | 30 | 1470 |
| 315 | S2S 355L-c | 380 | 1490 | 4.16 | 95.8 | 0.88 | 651 | 2435 | 1.2 | 5.4 | 2.0 | 30 | 1660 |
| 355 | S2S 355Lx-a | 420 | 1491 | 5 | 95.8 | 0.89 | 712 | 2691 | 1.1 | 5.8 | 2.4 | 30 | 1820 |
| 400 | S2S 355Lx-b | 480 | 1490 | 6 | 96 | 0.89 | 812 | 3075 | 1.2 | 5.9 | 2.3 | 30 | 2030 |
| 450 | S2S 355Lx-c | 540 | 1490 | 7 | 96.2 | 0.9 | 901 | 3460 | 1.2 | 5.9 | 2.3 | 30 | 2230 |
| 500 | S2S 355Lx-d | 600 | 1490 | 8 | 96.3 | 0.9 | 1000 | 3844 | 1.2 | 5.9 | 2.3 | 30 | 2490 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 80-a | 0.9 | 2832 | 0.0004 | 81.2 | 0.87 | 1.84 | 3.03 | 2.2 | 4.9 | 2.3 | 10 | 10.9 |
| 1.1 | S3A 80-b | 1.32 | 2850 | 0.0005 | 83.2 | 0.88 | 2.61 | 4.42 | 2.3 | 5.1 | 2.3 | 10 | 12.9 |
| 1.5 | S3A 90S | 1.8 | 2924 | 0.0012 | 84.7 | 0.76 | 4.04 | 5.88 | 2.5 | 5.2 | 2.7 | 14 | 13.4 |
| 2.2 | S3A 90L | 2.6 | 2811 | 0.0017 | 86.4 | 0.86 | 5.06 | 8.83 | 2.5 | 5.7 | 2.5 | 14 | 15.4 |
| 3 | S3A 100L | 3.6 | 2880 | 0.0012 | 87.6 | 0.86 | 6.91 | 11.94 | 2.0 | 5.6 | 2.5 | 16 | 27.2 |
| 4 | S3A 112M | 4.8 | 2874 | 0.0019 | 88.6 | 0.86 | 9.10 | 15.95 | 1.9 | 5.6 | 2.5 | 16 | 32.2 |
| 5.5 | S3A 132S-b | 6.6 | 2892 | 0.0032 | 89.7 | 0.89 | 11.9 | 21.8 | 1.9 | 5.9 | 2.5 | 20 | 48.5 |
| 7.5 | S3A 132S-b | 9 | 2916 | 0.0055 | 90.6 | 0.89 | 16.1 | 29.5 | 1.8 | 5.9 | 2.5 | 20 | 51.0 |
| 11 | S3A 160M-a | 13.2 | 2936 | 0.009 | 91.7 | 0.9 | 23.1 | 42.9 | 2.3 | 7.0 | 2.8 | 21 | 88.0 |
| 15 | S3A 160M-b | 18 | 2936 | 0.0113 | 92.4 | 0.89 | 31.6 | 58.5 | 2.3 | 6.7 | 2.8 | 21 | 108.0 |
| 18.5 | S3A 160L | 22 | 2938 | 0.015 | 92.9 | 0.88 | 38.9 | 71.5 | 2.4 | 6.3 | 2.5 | 21 | 114.0 |
| 22 | S3A 180L-T | 26 | 2953 | 0.017 | 93.2 | 0.89 | 45.3 | 84.1 | 2.2 | 6.5 | 2.9 | 21 | 157 |
| 30 | S3A 200LT | 36 | 2952 | 0.023 | 93.8 | 0.9 | 61.6 | 116.5 | 2.2 | 6.5 | 2.9 | 21 | 181 |
| 37 | S3A 200L | 44 | 2958 | 0.043 | 94.2 | 0.9 | 75.0 | 142 | 2.2 | 6.6 | 2.8 | 21 | 217 |
| 45 | S3A 225MT | 54 | 2958 | 0.051 | 94.5 | 0.9 | 92 | 174 | 2.2 | 6.5 | 2.7 | 22 | 216 |
| 55 | S3A 250MT | 66 | 2964 | 0.059 | 94.8 | 0.9 | 112 | 213 | 2.3 | 6.2 | 2.5 | 22 | 324 |
| 75 | S3A 280ST | 90 | 2964 | 0.089 | 95.2 | 0.91 | 150 | 290 | 1.9 | 5.9 | 2.3 | 22 | 489 |
| 90 | S3A 280MT | 110 | 2963 | 0.111 | 95.5 | 0.91 | 183 | 354 | 2.1 | 6.2 | 2.5 | 22 | 544 |
| 110 | S3A 315S | 132 | 2968 | 0.18 | 95.7 | 0.91 | 219 | 425 | 1.6 | 5.7 | 2.0 | 26 | 742 |
| 132 | S3A 315Ma | 160 | 2967 | 0.283 | 95.9 | 0.91 | 265 | 515 | 1.7 | 5.8 | 2.0 | 26 | 802 |
| 160 | S3A 315Md | 200 | 2966 | 0.493 | 96.1 | 0.91 | 330 | 644 | 1.7 | 5.5 | 2.0 | 26 | 908 |
| 200 | S3A 315Me | 201 | 2975 | 1.493 | 96.3 | 0.91 | 331 | 645 | 2.2 | 7.0 | 2.5 | 27 | 1005 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S3S 355L-a | 300 | 2978 | 0.493 | 96.3 | 0.91 | 495 | 962 | 1.8 | 5.9 | 1.9 | 26 | 1540 |
| 280 | S3S 355L-b | 336 | 2980 | 1.493 | 96.3 | 0.91 | 554 | 1077 | 2.0 | 6.2 | 2.0 | 27 | 1700 |
| 315 | S3S 355Lx-a | 378 | 2982 | 2.493 | 96.3 | 0.91 | 623 | 1210 | 1.3 | 5.4 | 1.9 | 28 | 1770 |
| 355 | S3S 355Lx-b | 426 | 2982 | 3.493 | 96.3 | 0.91 | 702 | 1364 | 1.3 | 5.6 | 2.0 | 29 | 1870 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 80-b | 0.9 | 1332 | 0.0019 | 83 | 0.73 | 2.15 | 6.45 | 1.9 | 4.2 | 1.9 | 10 | 10.7 |
| 1.1 | S3A 90S | 1.32 | 1414 | 0.0034 | 84.6 | 0.74 | 3.05 | 8.92 | 2.3 | 4.9 | 2.6 | 10 | 15.7 |
| 1.5 | S3A 90L | 1.8 | 1416 | 0.004 | 85.8 | 0.75 | 4.04 | 12.1 | 2.5 | 5.0 | 2.7 | 14 | 17.9 |
| 2.2 | S3A 100L-a | 2.6 | 1423 | 0.0083 | 87.2 | 0.75 | 5.74 | 17.4 | 2.3 | 5.5 | 2.9 | 14 | 25.7 |
| 3 | S3A 100L-b | 3.6 | 1410 | 0.0097 | 86 | 0.78 | 7.76 | 24.4 | 2.3 | 5.5 | 2.9 | 16 | 28.2 |
| 4 | S3A 112M | 4.8 | 1422 | 0.0198 | 89.1 | 0.78 | 9.98 | 32.2 | 2.3 | 5.5 | 2.5 | 16 | 47.2 |
| 5.5 | S3A 132sa | 6.6 | 1456 | 0.033 | 90.1 | 0.78 | 13.6 | 43.3 | 1.9 | 5.5 | 2.3 | 20 | 57 |
| 7.5 | S3A 132Ma | 9 | 1456 | 0.037 | 90.9 | 0.78 | 18.3 | 59.0 | 1.8 | 5.4 | 2.3 | 20 | 64 |
| 11 | S3A 160M | 13 | 1465 | 0.092 | 91.9 | 0.81 | 25.2 | 84.8 | 2.4 | 5.4 | 2.3 | 22 | 102 |
| 15 | S3A 160L | 18 | 1464 | 0.108 | 92.6 | 0.84 | 33.4 | 117 | 2.3 | 5.3 | 2.2 | 22 | 123 |
| 18.5 | S3A 180MT | 22 | 1464 | 0.117 | 93.1 | 0.8 | 42.7 | 143 | 2.4 | 5.2 | 2.2 | 22 | 131 |
| 22 | S3A 180L | 26 | 1466 | 0.194 | 93.5 | 0.82 | 49.0 | 169 | 2.4 | 6.3 | 2.7 | 22 | 177 |
| 30 | S3A 200L | 36 | 1465 | 0.373 | 94.1 | 0.86 | 64.3 | 235 | 2.3 | 6.2 | 2.5 | 22 | 227 |
| 37 | S3A 225ST | 45 | 1467 | 0.397 | 94.4 | 0.86 | 80.1 | 293 | 2.3 | 6.4 | 2.6 | 22 | 239 |
| 45 | S3A 225M | 54 | 1471 | 0.549 | 94.7 | 0.88 | 93.6 | 350 | 2.5 | 6.7 | 2.8 | 22 | 306 |
| 55 | S3A 250M | 66 | 1476 | 0.977 | 95.1 | 0.88 | 114 | 427 | 2.2 | 5.3 | 2.2 | 22 | 356 |
| 75 | S3A 280ST | 90 | 1476 | 1.486 | 95.5 | 0.88 | 155 | 582 | 2.3 | 5.5 | 2.2 | 22 | 470 |
| 90 | S3A 280MT | 110 | 1478 | 1.72 | 95.7 | 0.88 | 189 | 711 | 2.3 | 5.6 | 2.2 | 22 | 526 |
| 110 | S3A 315S | 132 | 1481 | 3.31 | 95.9 | 0.88 | 226 | 851 | 2.1 | 5.9 | 2.1 | 26 | 727 |
| 132 | S3A 315M-b | 160 | 1484 | 3.31 | 96 | 0.88 | 274 | 1029 | 2.0 | 5.8 | 2.1 | 26 | 723 |
| 160 | S3A 315M-c | 200 | 1481 | 3.97 | 96.3 | 0.88 | 341 | 1289 | 2.2 | 6.1 | 2.2 | 26 | 838 |
| 200 | S3A 315M-d | 240 | 1483 | 4.8 | 96.5 | 0.88 | 408 | 1545 | 2.3 | 6.9 | 2.4 | 26 | 1016 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S3A 355L-b | 300 | 1486 | 4.8 | 96.5 | 0.88 | 511 | 1928 | 2.2 | 5.9 | 2.1 | 20 | 1460 |
| 315 | S3A 355L-c | 380 | 1486 | 5.8 | 96.5 | 0.88 | 647 | 2443 | 2.2 | 5.8 | 2.1 | 20 | 1660 |
| 355 | S3A 355Lx-a | 430 | 1490 | 11.7 | 96.5 | 0.89 | 724 | 2755 | 1.7 | 5.1 | 2.0 | 30 | 1940 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 90S | 0.9 | 911 | 0.006 | 79.4 | 0.67 | 2.44 | 9.43 | 2.3 | 4.0 | 2.4 | 10 | 10.7 |
| 1.1 | S3A 90L | 1.3 | 911 | 0.0072 | 81.5 | 0.69 | 3.34 | 13.62 | 2.5 | 4.2 | 2.7 | 10 | 13.3 |
| 1.5 | S3A 100L | 1.8 | 940 | 0.0134 | 83 | 0.69 | 4.54 | 18.29 | 2.0 | 2.4 | 1.7 | 12 | 24.5 |
| 2.2 | S3A 112M | 2.6 | 941 | 0.0242 | 84.8 | 0.72 | 6.15 | 26.39 | 1.9 | 2.6 | 1.7 | 12 | 43.5 |
| 3 | S3A 132S | 3.6 | 945 | 0.0389 | 86.1 | 0.75 | 8.06 | 36.38 | 1.8 | 5.1 | 2.3 | 14 | 52 |
| 4 | S3A 132M-a | 4.8 | 947 | 0.0511 | 87.3 | 0.76 | 10.45 | 48.39 | 1.9 | 5.1 | 2.4 | 14 | 68.5 |
| 5.5 | S3A 132M-b | 6.6 | 948 | 0.0584 | 88.5 | 0.76 | 14.18 | 66.5 | 2.0 | 5.3 | 2.5 | 16 | 76.2 |
| 7.5 | S3A 160M | 9 | 952 | 0.135 | 89.6 | 0.82 | 17.70 | 90.3 | 2.2 | 6.3 | 2.4 | 20 | 103 |
| 11 | S3A 160L | 13 | 959 | 0.159 | 90.8 | 0.8 | 25.9 | 129.5 | 2.3 | 6.6 | 2.5 | 20 | 124 |
| 15 | S3A 180L | 18 | 977 | 0.33 | 91.7 | 0.8 | 35.5 | 175.9 | 2.3 | 5.2 | 2.3 | 20 | 162 |
| 18.5 | S3A 200LT | 22 | 977 | 0.377 | 92.2 | 0.85 | 40.6 | 214.9 | 2.3 | 5.7 | 2.4 | 22 | 177 |
| 22 | S3A 200L-b | 26 | 979 | 0.483 | 92.7 | 0.85 | 47.7 | 254 | 2.4 | 6.0 | 2.5 | 22 | 207 |
| 30 | S3A 225M | 36 | 980 | 0.92 | 93.4 | 0.85 | 65.5 | 351 | 2.3 | 5.9 | 2.4 | 22 | 307 |
| 37 | S3A 250M | 45 | 990 | 1.72 | 93.8 | 0.83 | 83.5 | 434 | 2.3 | 5.8 | 2.0 | 22 | 336 |
| 45 | S3A 280ST | 54 | 992 | 0.32 | 94.2 | 0.83 | 99.8 | 520 | 2.5 | 6.6 | 2.1 | 22 | 431 |
| 55 | S3A 280MT | 66 | 982 | 0.541 | 94.6 | 0.83 | 121.5 | 642 | 2.5 | 6.1 | 2.3 | 22 | 510 |
| 75 | S3A 315S | 90 | 986 | 0.752 | 95.1 | 0.84 | 162.8 | 872 | 2.1 | 5.0 | 1.9 | 22 | 666 |
| 90 | S3A 315M-a | 110 | 987 | 1.37 | 95.4 | 0.84 | 198 | 1065 | 2.0 | 5.8 | 2.2 | 26 | 720 |
| 110 | S3A 315M-b | 132 | 987 | 1.68 | 95.6 | 0.84 | 238 | 1277 | 2.1 | 5.9 | 2.3 | 26 | 909 |
| 132 | S3A 315M-d | 160 | 987 | 2.37 | 95.9 | 0.84 | 287 | 1548 | 2.1 | 5.8 | 2.4 | 26 | 1090 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 160 | S3S 355L-a | 190 | 988 | 2.7 | 95.3 | 0.84 | 343 | 1836 | 1.5 | 4.9 | 2.0 | 30 | 1280 |
| 200 | S3S 355L-b | 240 | 988 | 2.7 | 96.3 | 0.86 | 419 | 2320 | 1.5 | 4.9 | 2.0 | 30 | 1564 |
| 250 | S3S 355L-c | 300 | 988 | 3.15 | 96.3 | 0.86 | 523 | 2899 | 1.6 | 5.0 | 2.1 | 30 | 1724 |
| 280 | S3S 355Lx-a | 330 | 991 | 4.7 | 96.3 | 0.83 | 597 | 3181 | 1.6 | 4.8 | 1.6 | 30 | 1930 |
| 315 | S3S 355Lx-b | 370 | 991 | 5.7 | 96.3 | 0.83 | 669 | 3567 | 1.6 | 4.8 | 1.6 | 30 | 2030 |
| 355 | S3S 355Lx-c | 430 | 430 | 6.7 | 96.3 | 0.83 | 777 | 9549 | 1.7 | 4.6 | 1.7 | 30 | 2170 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 200 - 200°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

2-4 poli - 3.000-1.500 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

2-4 poles - 3.000-1.500 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|------|-------------------|------|--------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | |
| | 2p | 4p | 2p | 4p | 2p | | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 80 | 0.85 | 0.17 | 2785 | 1392 | 0.0015 | 71.5 | 66.5 | 0.86 | 0.75 | 2.00 | 0.49 | 2.91 | 1.17 | 1.5 | 1.6 | 4.3 | 4.1 | 1.6 | 1.7 | 14.0 | 8.1 |
| SA 80 | 1.1 | 0.28 | 2792 | 1405 | 0.0017 | 71.5 | 69.5 | 0.84 | 0.8 | 2.65 | 0.73 | 3.76 | 1.90 | 1.9 | 1.8 | 5.8 | 4.8 | 2.0 | 1.9 | 14.0 | 9.7 |
| SA 90S | 1.6 | 0.38 | 2794 | 1402 | 0.0022 | 71.5 | 69.5 | 0.85 | 0.83 | 3.80 | 0.95 | 5.47 | 2.59 | 1.6 | 1.6 | 5.2 | 4.6 | 1.7 | 1.8 | 14.0 | 11.6 |
| SA 90L | 2.1 | 0.42 | 2800 | 1404 | 0.0028 | 71.5 | 72.5 | 0.85 | 0.8 | 4.99 | 1.05 | 7.16 | 2.86 | 1.7 | 1.9 | 5.3 | 5.5 | 1.8 | 2.0 | 14.0 | 13.9 |
| SA 90L | 2.3 | 0.57 | 2805 | 1403 | 0.0032 | 72.5 | 73.5 | 0.84 | 0.82 | 5.46 | 1.37 | 7.83 | 3.88 | 1.7 | 1.8 | 5.3 | 5.1 | 1.9 | 2.1 | 14.0 | 14.5 |
| SA 100L | 2.9 | 0.75 | 2803 | 1385 | 0.0057 | 70.5 | 70.5 | 0.86 | 0.87 | 6.91 | 1.77 | 9.88 | 5.17 | 1.5 | 1.4 | 5.4 | 4.1 | 1.7 | 1.5 | 16.0 | 19.5 |
| SA 100L | 3.3 | 0.9 | 2835 | 1393 | 0.0071 | 73.5 | 70.5 | 0.86 | 0.89 | 7.54 | 2.07 | 11.1 | 6.17 | 1.9 | 1.6 | 5.6 | 5.4 | 2.1 | 1.8 | 16.0 | 21.6 |
| SA 112MT | 5 | 1.2 | 2841 | 1407 | 0.0092 | 79.5 | 71.5 | 0.85 | 0.87 | 10.69 | 2.79 | 16.8 | 8.14 | 1.7 | 1.6 | 6.3 | 5.4 | 1.9 | 1.8 | 20.0 | 26.4 |
| SA 132S | 6.8 | 1.6 | 2850 | 1428 | 0.0207 | 82.5 | 80.5 | 0.84 | 0.85 | 14.18 | 3.38 | 22.8 | 10.7 | 1.7 | 1.6 | 6.4 | 6.0 | 1.9 | 1.8 | 20.0 | 42 |
| SA 132M | 9.2 | 2.3 | 2856 | 1437 | 0.0282 | 84.5 | 82.5 | 0.84 | 0.85 | 18.73 | 4.74 | 30.8 | 15.3 | 1.7 | 1.6 | 7.2 | 6.9 | 1.9 | 1.7 | 20.0 | 49.3 |
| SA 160MT | 13.2 | 3.3 | 2857 | 1437 | 0.0395 | 86.5 | 85.5 | 0.85 | 0.86 | 25.9 | 6.49 | 44.1 | 21.9 | 1.7 | 1.6 | 8.1 | 7.9 | 1.9 | 1.8 | 21 | 68.5 |
| SA 160L | 17.8 | 4.4 | 2902 | 1454 | 0.08 | 87.5 | 87.5 | 0.87 | 0.9 | 33.8 | 8.07 | 58.6 | 28.9 | 2.0 | 1.9 | 7.5 | 7.1 | 2.1 | 2.0 | 21 | 87 |
| SA 180MT | 21.2 | 4.6 | 2920 | 1460 | 0.0978 | 87.5 | 88.5 | 0.87 | 0.88 | 40.2 | 8.54 | 69.3 | 30.1 | 2.2 | 2.4 | 8.4 | 9.1 | 2.3 | 2.5 | 22 | 108 |
| SA 180LT | 25 | 5 | 2932 | 1466 | 0.124 | 87.5 | 88.5 | 0.87 | 0.88 | 47.5 | 9.28 | 81.4 | 32.6 | 2.3 | 2.5 | 8.5 | 9.1 | 2.5 | 2.6 | 22 | 126 |
| SA 200LT | 34 | 6.8 | 2932 | 1465 | 0.18 | 88.5 | 88.5 | 0.89 | 0.9 | 62.4 | 12.3 | 110.7 | 44.3 | 1.9 | 2.2 | 9.0 | 9.7 | 2.1 | 2.2 | 22 | 167 |
| SA 225ST | 42 | 8.8 | 2938 | 1471 | 0.345 | 88.5 | 87.5 | 0.89 | 0.9 | 77.1 | 16.1 | 137 | 57.1 | 2.0 | 2.0 | 9.4 | 9.8 | 2.2 | 2.2 | 22 | 217 |
| SA 225MT | 50 | 10 | 2938 | 1472 | 0.419 | 88.5 | 87.5 | 0.89 | 0.9 | 91.7 | 18.4 | 163 | 64.9 | 2.0 | 2.1 | 9.4 | 9.7 | 2.2 | 2.3 | 26 | 247 |
| SA 250MT | 63 | 12.5 | 2943 | 1477 | 0.541 | 89.5 | 89.5 | 0.9 | 0.89 | 113 | 22.7 | 204 | 81 | 2.0 | 2.3 | 9.5 | 9.9 | 2.2 | 2.5 | 26 | 336 |
| SA 280ST | 76 | 17 | 2954 | 1483 | 1.23 | 90.5 | 91.5 | 0.9 | 0.9 | 135 | 29.8 | 246 | 109 | 2.0 | 2.2 | 9.7 | 9.9 | 2.2 | 2.4 | 26 | 409 |
| SA 280MT | 98 | 21 | 2954 | 1483 | 1.39 | 90.5 | 91.5 | 0.9 | 0.9 | 174 | 36.9 | 317 | 135 | 1.9 | 2.1 | 9.5 | 9.7 | 2.1 | 2.3 | 26 | 464 |
| SA 315M | 110 | 25 | 2971 | 1483 | 2.68 | 90.5 | 91.5 | 0.88 | 0.84 | 200 | 47.0 | 354 | 161 | 2.1 | 2.4 | 9.2 | 9.2 | 2.2 | 2.5 | 30 | 580 |
| SA 315M | 125 | 30 | 2975 | 1485 | 2.58 | 90.5 | 91.5 | 0.88 | 0.84 | 227 | 56.4 | 401 | 193 | 2.2 | 2.4 | 9.1 | 9.4 | 2.3 | 2.5 | 30 | 710 |

Dati tecnici

F 200 - 200°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

4-8 poli - 1.500-750 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

4-8 poles - 1.500-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 4p | 8p | 4p | 8p | 4p | | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 80 | 0.56 | 0.12 | 1382 | 684 | 0.00256 | 66.5 | 55.5 | 0.78 | 0.62 | 1.56 | 0.50 | 3.87 | 1.68 | 1.4 | 1.6 | 4.4 | 3.5 | 1.7 | 1.6 | | 9.5 |
| SA 80 | 0.8 | 0.17 | 1380 | 688 | 0.00329 | 67.5 | 62.5 | 0.8 | 0.63 | 2.14 | 0.62 | 5.54 | 2.36 | 1.4 | 1.6 | 4.7 | 3.4 | 1.6 | 1.7 | 14 | 11.1 |
| SA 90S | 1.26 | 0.25 | 1397 | 682 | 0.0022 | 68.5 | 46.5 | 0.7 | 0.45 | 3.80 | 1.73 | 8.61 | 3.50 | 1.6 | 1.8 | 5.2 | 3.0 | 1.9 | 2.0 | 16 | 11.6 |
| SA 90L | 1.7 | 0.29 | 1398 | 680 | 0.0028 | 70.5 | 50.5 | 0.75 | 0.45 | 4.65 | 1.84 | 11.6 | 4.07 | 1.8 | 2.5 | 5.5 | 2.7 | 2.2 | 2.8 | 16 | 13.9 |
| SA 100L | 2.5 | 0.42 | 1398 | 688 | 0.0064 | 76.5 | 54.5 | 0.8 | 0.58 | 5.90 | 1.92 | 17.1 | 5.83 | 1.7 | 1.7 | 6.0 | 3.3 | 2.1 | 1.9 | 20 | 20.7 |
| SA 100L | 3.5 | 0.63 | 1401 | 687 | 0.0086 | 79.5 | 58.5 | 0.79 | 0.55 | 8.05 | 2.83 | 23.9 | 8.76 | 1.9 | 1.7 | 6.5 | 3.2 | 2.1 | 2.0 | 20 | 23 |
| SA 112M | 4.6 | 0.86 | 1420 | 693 | 0.0147 | 82.5 | 65.5 | 0.8 | 0.62 | 10.07 | 3.06 | 30.9 | 11.9 | 2.0 | 1.7 | 6.4 | 3.5 | 2.2 | 2.0 | 20 | 33.2 |
| SA 132S | 6.3 | 1.5 | 1420 | 696 | 0.0244 | 82.5 | 66.5 | 0.81 | 0.65 | 13.6 | 5.01 | 42.4 | 20.6 | 2.0 | 1.9 | 6.9 | 3.4 | 2.3 | 2.1 | 20 | 45.8 |
| SA 132M | 7.5 | 1.7 | 1419 | 699 | 0.028 | 84.5 | 67.5 | 0.81 | 0.63 | 15.8 | 5.78 | 50.5 | 23.2 | 2.1 | 1.9 | 7.4 | 3.7 | 2.3 | 2.2 | 20 | 49.3 |
| SA 132M | 8.5 | 2.1 | 1432 | 698 | 0.034 | 84.5 | 71.5 | 0.81 | 0.6 | 17.9 | 7.07 | 56.7 | 28.7 | 2.1 | 1.7 | 7.5 | 4.2 | 2.6 | 2.0 | 22 | 54.8 |
| SA 160MT | 10 | 2.5 | 1444 | 699 | 0.034 | 85.5 | 72.5 | 0.82 | 0.61 | 20.6 | 8.17 | 66.1 | 34.2 | 2.2 | 1.8 | 7.4 | 4.4 | 2.4 | 2.1 | 22 | 68.5 |
| SA 160M | 12.5 | 3.2 | 1455 | 710 | 0.039 | 85.5 | 72.5 | 0.82 | 0.7 | 25.8 | 9.1 | 82.1 | 43.0 | 2.1 | 1.5 | 6.8 | 4.6 | 2.0 | 1.5 | 22 | 69 |
| SA 160L | 15 | 3.5 | 1454 | 709 | 0.058 | 87.5 | 75.5 | 0.82 | 0.7 | 30.2 | 9.6 | 98.5 | 47.1 | 2.2 | 1.4 | 6.9 | 4.7 | 2.0 | 1.4 | 22 | 87 |
| SA 160L | 17.2 | 4 | 1454 | 716 | 0.058 | 88.5 | 77.5 | 0.86 | 0.71 | 32.7 | 10.5 | 113 | 53.4 | 2.2 | 1.6 | 6.9 | 4.4 | 2.0 | 1.6 | 22 | 108 |
| SA 180MT | 21 | 5.5 | 1455 | 716 | 0.08 | 88.5 | 79.5 | 0.86 | 0.71 | 39.9 | 14.1 | 138 | 73.4 | 2.2 | 1.4 | 6.8 | 4.9 | 2.0 | 1.4 | 22 | 117 |
| SA 180L | 25 | 6 | 1455 | 716 | 0.098 | 88.5 | 79.5 | 0.86 | 0.71 | 47.5 | 15.4 | 164 | 80.0 | 1.8 | 1.6 | 6.8 | 4.4 | 2.1 | 1.6 | 22 | 153 |
| SA 200LT | 34 | 8 | 1460 | 716 | 0.098 | 89.5 | 86.5 | 0.82 | 0.68 | 66.9 | 19.7 | 222 | 107 | 2.2 | 1.9 | 7.7 | 4.3 | 2.4 | 2.0 | 22 | 176 |
| SA 225ST | 42 | 10 | 1460 | 722 | 0.116 | 89.5 | 82.5 | 0.87 | 0.7 | 77.9 | 25.0 | 275 | 132 | 2.2 | 1.8 | 7.7 | 4.7 | 2.5 | 1.8 | 22 | 213 |
| SA 225MT | 52 | 12.5 | 1460 | 722 | 0.161 | 89.5 | 82.5 | 0.87 | 0.7 | 96.5 | 31.3 | 340 | 165 | 2.2 | 1.8 | 7.9 | 4.8 | 2.4 | 1.8 | 22 | 232 |
| SA 250MT | 57 | 13.5 | 1466 | 728 | 0.206 | 90.5 | 82.5 | 0.89 | 0.73 | 102 | 32.4 | 371 | 177 | 2.2 | 1.7 | 8.2 | 5.1 | 2.5 | 1.8 | 22 | 304 |
| SA 250MT | 64 | 16 | 1466 | 727 | 0.345 | 90.5 | 83.5 | 0.89 | 0.8 | 115 | 34.6 | 417 | 210 | 2.1 | 1.7 | 8.2 | 5.2 | 2.4 | 1.7 | 26 | 304 |
| SA 280ST | 69 | 17 | 1477 | 727 | 0.34 | 91.5 | 86.5 | 0.87 | 0.73 | 125 | 38.9 | 446 | 223 | 2.2 | 1.7 | 8.0 | 5.1 | 2.1 | 1.6 | 26 | 324 |
| SA 280MT | 86 | 22 | 1477 | 733 | 0.39 | 92.5 | 87.5 | 0.87 | 0.73 | 154 | 49.8 | 556 | 287 | 2.2 | 1.7 | 8.0 | 5.5 | 2.2 | 1.5 | 26 | 409 |
| SA 315ST | 104 | 25 | 1477 | 733 | 0.58 | 92.5 | 87.5 | 0.86 | 0.73 | 189 | 56.6 | 672 | 326 | 2.2 | 1.8 | 8.2 | 5.4 | 2.2 | 1.7 | 26 | 490 |
| SA 315M | 125 | 32 | 1483 | 739 | 0.58 | 92.5 | 87.5 | 0.87 | 0.73 | 224 | 72.4 | 805 | 414 | 2.3 | 1.8 | 8.4 | 6.8 | 2.6 | 1.8 | 30 | 618 |
| SA 315M | 152 | 38 | 1483 | 738 | 0.58 | 92.5 | 90.5 | 0.86 | 0.72 | 276 | 84.3 | 979 | 491 | 2.2 | 1.7 | 8.6 | 6.3 | 1.7 | 1.7 | 30 | 690 |

Dati tecnici

F 200 - 200°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità – due avvolgimenti separati

4-6 poli - 1.500-1.000 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

4-6 poles - 1.500-1.000 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|--|------------------|-------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|-------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | |
| | 4p | 6p | 4p | 6p | 4p | | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | | |
| Serie SA (carcasa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.21 | 0.058 | 1395 | 942 | 0.00039 | 50.5 | 35.5 | 0.65 | 0.55 | 0.92 | 0.43 | 1.44 | 0.59 | 1.1 | 1.3 | 2.8 | 2.2 | 1.3 | 1.4 | | 5.8 |
| SA 71 | 0.3 | 0.086 | 1402 | 954 | 0.00129 | 50.5 | 35.5 | 0.7 | 0.6 | 1.23 | 0.58 | 2.04 | 0.86 | 1.1 | 1.3 | 2.8 | 2.2 | 1.3 | 1.4 | | 6.5 |
| SA 80 | 0.45 | 1.14 | 1393 | 430 | 0.00164 | 63.5 | 55.5 | 0.71 | 0.69 | 1.44 | 4.30 | 3.08 | 25.32 | 1.2 | 0.1 | 3.4 | 51.9 | 1.4 | 0.1 | 14 | 7.4 |
| SA 80 | 0.63 | 0.21 | 1408 | 942 | 0.00256 | 63.5 | 57.5 | 0.72 | 0.69 | 1.99 | 0.76 | 4.27 | 2.13 | 1.4 | 1.3 | 3.9 | 3.5 | 1.6 | 1.4 | 16 | 9.5 |
| SA 90S | 0.92 | 0.33 | 1414 | 949 | 0.00354 | 73.5 | 60.5 | 0.74 | 0.7 | 2.44 | 1.13 | 6.21 | 3.32 | 1.5 | 1.2 | 5.1 | 3.6 | 1.7 | 1.3 | 16 | 13.2 |
| SA 90L | 1.3 | 0.44 | 1411 | 948 | 0.00505 | 73.5 | 60.5 | 0.77 | 0.7 | 3.32 | 1.50 | 8.80 | 4.43 | 1.4 | 1.2 | 5.3 | 3.6 | 1.7 | 1.3 | 20 | 15.2 |
| SA 100L | 2 | 0.7 | 1412 | 942 | 0.0087 | 73.5 | 61.5 | 0.85 | 0.77 | 4.63 | 2.14 | 13.5 | 7.10 | 1.2 | 1.1 | 5.2 | 4.0 | 1.6 | 1.5 | 20 | 19.1 |
| SA 100L | 2.4 | 0.86 | 1420 | 948 | 0.012 | 75.5 | 61.5 | 0.84 | 0.77 | 5.47 | 2.62 | 16.1 | 8.66 | 1.3 | 1.1 | 6.1 | 4.0 | 1.7 | 1.6 | 20 | 23 |
| SA 112MT | 3 | 0.92 | 1419 | 948 | 0.014 | 75.5 | 63.5 | 0.85 | 0.77 | 6.76 | 2.72 | 20.2 | 9.26 | 1.4 | 1.2 | 6.4 | 4.2 | 1.7 | 1.6 | 20 | 25.2 |
| SA 112M | 3.5 | 1 | 1436 | 956 | 0.015 | 78.5 | 70.5 | 0.8 | 0.7 | 8.05 | 2.93 | 23.3 | 9.99 | 1.6 | 1.3 | 6.7 | 5.2 | 1.9 | 1.7 | 20 | 36.2 |
| SA 132S | 4.2 | 1.4 | 1442 | 959 | 0.031 | 82.5 | 74.5 | 0.82 | 0.75 | 8.97 | 3.62 | 27.8 | 13.9 | 1.6 | 1.3 | 7.9 | 6.0 | 2.0 | 2.0 | 22 | 44.5 |
| SA 132M | 6.3 | 2 | 1443 | 959 | 0.041 | 83.5 | 74.5 | 0.82 | 0.76 | 13.3 | 5.10 | 41.7 | 19.9 | 1.6 | 1.3 | 8.9 | 6.0 | 2.1 | 2.1 | 22 | 51.5 |
| SA 160MT | 8.3 | 2.9 | 1442 | 959 | 0.054 | 84.5 | 77.5 | 0.83 | 0.76 | 17.1 | 7.12 | 54.9 | 28.9 | 1.6 | 1.3 | 8.1 | 6.3 | 2.3 | 2.1 | 22 | 68 |
| SA 160L | 11.5 | 3.8 | 1443 | 977 | 0.109 | 85.5 | 80.5 | 0.87 | 0.7 | 22.3 | 9.75 | 76.1 | 37.1 | 1.4 | 1.3 | 6.9 | 6.3 | 1.9 | 1.6 | 22 | 80 |
| SA 180MT | 18.4 | 6.3 | 1443 | 979 | 0.129 | 87.5 | 82.5 | 0.88 | 0.72 | 34.5 | 15.3 | 122 | 61.4 | 1.5 | 1.4 | 7.0 | 6.7 | 2.1 | 1.7 | 22 | 112 |
| SA 180LT | 22 | 7.5 | 1442 | 983 | 0.174 | 87.5 | 82.5 | 0.85 | 0.71 | 42.7 | 18.5 | 146 | 72.9 | 1.8 | 1.6 | 8.4 | 7.6 | 2.3 | 2.2 | 22 | 128 |
| SA 200LT | 30 | 11 | 1468 | 983 | 0.193 | 88.5 | 84.5 | 0.85 | 0.78 | 57.6 | 24.1 | 195 | 107 | 1.6 | 1.6 | 8.1 | 6.6 | 2.0 | 1.6 | 22 | 177 |
| SA 225ST | 39 | 13.8 | 1477 | 983 | 0.37 | 89.5 | 85.5 | 0.86 | 0.79 | 73.2 | 29.5 | 252 | 134 | 2.0 | 1.7 | 8.5 | 6.4 | 2.4 | 2.1 | 22 | 232 |
| SA 225MT | 46 | 16.7 | 1477 | 983 | 0.419 | 90.5 | 86.5 | 0.87 | 0.8 | 84.4 | 34.9 | 297 | 162 | 2.1 | 1.7 | 9.1 | 6.9 | 2.5 | 2.2 | 22 | 257 |
| SA 250MT | 60 | 21 | 1477 | 983 | 0.613 | 90.5 | 86.5 | 0.9 | 0.8 | 106 | 43.9 | 388 | 204 | 1.9 | 1.6 | 9.1 | 7.2 | 2.3 | 1.9 | 22 | 356 |
| SA 280ST | 80 | 29 | 1477 | 985 | 1.39 | 91.5 | 89.5 | 0.9 | 0.83 | 140 | 56.4 | 517 | 281 | 2.3 | 2.1 | 8.4 | 7.6 | 2.4 | 2.2 | 26 | 464 |
| SA 280MT | 84 | 34 | 1485 | 985 | 1.55 | 91.5 | 89.5 | 0.9 | 0.84 | 147 | 65.4 | 540 | 330 | 2.6 | 2.1 | 7.7 | 7.4 | 2.8 | 2.2 | 26 | 490 |
| SA 315M | 106 | 35 | 1483 | 988 | 3.09 | 91.5 | 90.5 | 0.85 | 0.74 | 197 | 75.5 | 683 | 338 | 2.1 | 2.0 | 8.1 | 8.6 | 2.3 | 2.1 | 30 | 660 |
| SA 315M | 125 | 38 | 1486 | 992 | 3.91 | 91.5 | 90.5 | 0.85 | 0.74 | 232 | 82.0 | 803 | 366 | 2.4 | 2.2 | 8.5 | 7.8 | 2.5 | 2.3 | 30 | 750 |
| SA 315M | 145 | 42 | 1486 | 992 | 4.32 | 92.5 | 90.5 | 0.86 | 0.74 | 263 | 91 | 932 | 404 | 1.8 | 2.0 | 7.8 | 6.8 | 2.1 | 2.2 | 30 | 820 |

Dati tecnici

F 200 - 200°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità – due avvolgimenti separati

6-8 poli - 1.000-750 giri/min

Technical data

F 200 - 200°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

6-8 poles - 1.000-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 6p | 8p | 6p | 8p | 6p | | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 90S | 0.42 | 0.18 | 921 | 683 | 0.00303 | 63.5 | 52.5 | 0.72 | 0.67 | 1.33 | 0.74 | 4.36 | 2.52 | 1.2 | 1.1 | 3.4 | 2.5 | 1.6 | 1.5 | 14 | 10.5 |
| SA 90L | 0.63 | 0.26 | 920 | 682 | 0.00455 | 64.5 | 54.5 | 0.73 | 0.7 | 1.93 | 0.98 | 6.54 | 3.64 | 1.3 | 1.2 | 3.6 | 2.6 | 1.6 | 1.5 | 14 | 13 |
| SA 90L | 0.86 | 0.37 | 920 | 692 | 0.00606 | 64.5 | 54.5 | 0.73 | 0.7 | 2.64 | 1.40 | 8.93 | 5.10 | 1.3 | 1.2 | 3.8 | 2.9 | 1.6 | 1.5 | 14 | 16 |
| SA 100L | 1 | 0.42 | 926 | 699 | 0.0087 | 66.5 | 59.5 | 0.74 | 0.7 | 2.94 | 1.46 | 10.31 | 5.74 | 1.3 | 1.2 | 4.1 | 3.3 | 1.7 | 1.5 | 16 | 18.8 |
| SA 100L | 1.3 | 0.55 | 929 | 698 | 0.012 | 67.5 | 60.5 | 0.76 | 0.72 | 3.66 | 1.82 | 13.4 | 7.52 | 1.3 | 1.2 | 4.5 | 3.5 | 1.6 | 1.6 | 16 | 22.7 |
| SA 112MT | 1.7 | 0.71 | 932 | 698 | 0.0141 | 70.5 | 62.5 | 0.76 | 0.72 | 4.59 | 2.28 | 17.4 | 9.71 | 1.4 | 1.3 | 4.6 | 3.7 | 1.7 | 1.6 | 20 | 25.2 |
| SA 112M | 2.2 | 0.92 | 936 | 704 | 0.0147 | 78.5 | 66.5 | 0.76 | 0.72 | 5.33 | 2.78 | 22.4 | 12.5 | 1.3 | 1.2 | 4.8 | 3.6 | 1.8 | 1.6 | 20 | 36.2 |
| SA 132S | 2.2 | 0.86 | 934 | 698 | 0.023 | 78.5 | 67.5 | 0.76 | 0.72 | 5.33 | 2.56 | 22.5 | 11.8 | 1.3 | 1.3 | 5.4 | 4.3 | 1.7 | 1.6 | 20 | 38 |
| SA 132S | 2.9 | 1.3 | 942 | 703 | 0.031 | 79.5 | 69.5 | 0.77 | 0.73 | 6.85 | 3.70 | 29.4 | 17.7 | 1.4 | 1.3 | 5.7 | 4.5 | 2.0 | 1.7 | 20 | 44.5 |
| SA 132M | 3.8 | 1.7 | 942 | 710 | 0.046 | 79.5 | 71.5 | 0.77 | 0.73 | 8.97 | 4.71 | 38.5 | 22.9 | 1.4 | 1.3 | 6.3 | 5.0 | 2.0 | 1.9 | 22 | 55 |
| SA 160MT | 5 | 2.2 | 943 | 709 | 0.054 | 79.5 | 72.5 | 0.78 | 0.73 | 11.7 | 6.01 | 50.6 | 29.6 | 1.4 | 1.3 | 6.2 | 5.2 | 2.0 | 1.9 | 22 | 67 |
| SA 160M | 6.3 | 2.7 | 948 | 716 | 0.077 | 82.5 | 78.5 | 0.82 | 0.73 | 13.5 | 6.81 | 63.4 | 36.0 | 1.4 | 1.5 | 6.2 | 6.1 | 2.0 | 2.1 | 22 | 69 |
| SA 160L | 8.6 | 3.8 | 954 | 715 | 0.109 | 83.5 | 80.5 | 0.84 | 0.74 | 17.7 | 9.22 | 86.1 | 50.7 | 1.4 | 1.5 | 6.2 | 6.1 | 2.0 | 2.1 | 22 | 86 |
| SA 180MT | 10 | 4.5 | 955 | 721 | 0.129 | 83.5 | 80.5 | 0.85 | 0.74 | 20.4 | 10.9 | 100 | 59.6 | 1.5 | 1.6 | 6.4 | 6.4 | 2.1 | 2.2 | 22 | 103 |
| SA 180LT | 12.5 | 5.5 | 955 | 721 | 0.154 | 83.5 | 80.5 | 0.85 | 0.75 | 25.5 | 13.2 | 125 | 72.8 | 1.5 | 1.6 | 6.8 | 6.7 | 2.1 | 2.2 | 22 | 115 |
| SA 200LT | 17 | 7.1 | 977 | 727 | 0.22 | 84.5 | 80.5 | 0.84 | 0.75 | 34.6 | 17.0 | 166 | 93.2 | 1.7 | 1.6 | 7.3 | 6.7 | 2.1 | 2.0 | 22 | 172 |
| SA 200LT | 21 | 8.6 | 977 | 733 | 0.3 | 85.5 | 80.5 | 0.84 | 0.75 | 42.3 | 20.6 | 205 | 112 | 1.7 | 1.6 | 7.8 | 6.7 | 2.2 | 2.0 | 22 | 209 |
| SA 225MT | 25 | 11 | 977 | 733 | 0.61 | 87.5 | 83.5 | 0.85 | 0.75 | 48.6 | 25.4 | 244 | 143 | 1.7 | 1.7 | 7.4 | 7.6 | 2.1 | 2.1 | 22 | 257 |
| SA 250MT | 30 | 12.65 | 983 | 733 | 0.9 | 87.5 | 83.5 | 0.84 | 0.73 | 59.0 | 30.0 | 292 | 165 | 1.8 | 2.0 | 7.3 | 6.7 | 2.2 | 2.2 | 22 | 313 |
| SA 250MT | 34.5 | 14.5 | 983 | 733 | 1.02 | 88.5 | 84.5 | 0.85 | 0.74 | 66.3 | 33.5 | 335 | 189 | 1.8 | 2.0 | 7.3 | 7.1 | 2.3 | 2.4 | 26 | 354 |
| SA 280ST | 38 | 16 | 983 | 736 | 1.75 | 89.5 | 86.5 | 0.85 | 0.78 | 72.2 | 34.3 | 369 | 208 | 1.9 | 1.9 | 6.7 | 6.3 | 2.3 | 2.1 | 26 | 424 |
| SA 280MT | 46 | 20 | 983 | 736 | 2 | 89.5 | 86.5 | 0.86 | 0.79 | 86.4 | 42.3 | 447 | 260 | 2.0 | 1.6 | 6.9 | 6.4 | 2.3 | 1.7 | 26 | 450 |
| SA 315ST | 55 | 23 | 983 | 736 | 2.43 | 90.5 | 86.5 | 0.86 | 0.79 | 102 | 48.6 | 534 | 298 | 2.1 | 1.7 | 6.9 | 6.5 | 2.4 | 1.9 | 30 | 518 |
| SA 315M | 63 | 27 | 986 | 739 | 3.23 | 91.5 | 90.5 | 0.86 | 0.78 | 116 | 55.3 | 610 | 349 | 1.9 | 1.8 | 6.9 | 6.7 | 1.7 | 1.6 | 30 | 590 |
| SA 315M | 75 | 32 | 988 | 739 | 3.62 | 92.5 | 91.5 | 0.86 | 0.79 | 136 | 64.0 | 725 | 414 | 1.9 | 1.7 | 6.9 | 6.3 | 1.7 | 1.5 | 30 | 635 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.37 | S1A 71-a | 0.44 | 2762 | 0.0004 | 71.5 | 0.8 | 1.11 | 1.52 | 1.9 | 3.4 | 1.9 | 10 | 5.7 |
| 0.55 | S1A 71-b | 0.66 | 2772 | 0.0005 | 71.5 | 0.8 | 1.67 | 2.27 | 2.1 | 3.9 | 2.2 | 10 | 6.7 |
| 0.75 | S1A 80-a | 0.9 | 2784 | 0.0012 | 76.5 | 0.81 | 2.10 | 3.09 | 1.9 | 3.9 | 2.0 | 14 | 8.1 |
| 1.1 | S1A 80-b | 1.3 | 2787 | 0.0017 | 76.7 | 0.81 | 3.02 | 4.45 | 1.9 | 4.1 | 2.0 | 14 | 9.7 |
| 1.5 | S1A 90S | 1.8 | 2808 | 0.0012 | 79 | 0.8 | 4.12 | 6.12 | 2.0 | 4.0 | 2.1 | 16 | 10.7 |
| 2.2 | S1A 90L | 2.6 | 2811 | 0.0019 | 81.5 | 0.78 | 5.91 | 8.83 | 2.0 | 4.1 | 2.1 | 16 | 12.7 |
| 3 | S1A 100L | 3.6 | 2820 | 0.0032 | 83.1 | 0.81 | 7.73 | 12.2 | 2.2 | 5.4 | 2.3 | 20 | 19.5 |
| 4 | S1A 112MT-a | 4.8 | 2832 | 0.0042 | 84.7 | 0.8 | 10.24 | 16.2 | 2.2 | 5.5 | 2.3 | 20 | 22.0 |
| 5.5 | S1A 112MT-b | 6.6 | 2856 | 0.0055 | 84 | 0.84 | 13.52 | 22.1 | 2.1 | 5.9 | 2.3 | 20 | 27.2 |
| 5.5 | S1A 132S-a | 6.6 | 2880 | 0.009 | 86.2 | 0.85 | 13.02 | 21.9 | 2.1 | 5.9 | 2.3 | 21 | 36.4 |
| 7.5 | S1A 132S-b | 9 | 2880 | 0.0113 | 87.5 | 0.85 | 17.49 | 29.8 | 2.1 | 5.9 | 2.3 | 21 | 40.0 |
| 9 | S1A 132M | 10.5 | 2895 | 0.015 | 86.5 | 0.86 | 20.40 | 34.6 | 2.1 | 6.0 | 2.3 | 21 | 45.5 |
| 11 | S1A 160MT-a | 13 | 2894 | 0.017 | 88.9 | 0.84 | 25.16 | 42.9 | 2.1 | 5.4 | 2.3 | 21 | 55 |
| 15 | S1A 160MT-b | 18 | 2916 | 0.023 | 89.9 | 0.85 | 34.04 | 58.9 | 2.2 | 5.7 | 2.3 | 21 | 65 |
| 18.5 | S1A 160L | 22 | 2929 | 0.043 | 90.5 | 0.85 | 41.33 | 71.7 | 2.2 | 5.8 | 2.4 | 21 | 87 |
| 22 | S1A 180MT | 26 | 2941 | 0.051 | 91 | 0.85 | 48.57 | 84.4 | 2.3 | 6.1 | 2.5 | 22 | 106 |
| 25 | S1A 180LT | 30 | 2940 | 0.059 | 90 | 0.86 | 56.01 | 97.4 | 2.3 | 5.9 | 2.4 | 22 | 112 |
| 30 | S1A 200LT-a | 36 | 2940 | 0.089 | 91.9 | 0.86 | 65.82 | 117 | 2.3 | 6.1 | 2.5 | 22 | 136 |
| 37 | S1A 200LT-b | 44 | 2952 | 0.111 | 92.5 | 0.86 | 79.93 | 142 | 2.3 | 6.2 | 2.5 | 22 | 156 |
| 45 | S1A 225MT | 54 | 2952 | 0.18 | 93 | 0.86 | 97.57 | 175 | 2.3 | 6.3 | 2.5 | 26 | 204 |
| 55 | S1A 250MT | 66 | 2964 | 0.283 | 93.5 | 0.87 | 117.2 | 213 | 2.3 | 6.4 | 2.5 | 26 | 273 |
| 75 | S1A 280ST | 90 | 2964 | 0.493 | 94.1 | 0.87 | 159 | 290 | 2.2 | 6.0 | 2.4 | 26 | 364 |
| 90 | S1A 280MT | 110 | 2963 | 0.587 | 94.4 | 0.88 | 191. | 354 | 2.2 | 6.2 | 2.5 | 26 | 399 |
| 110 | S1A 315ST | 132 | 2970 | 0.751 | 94 | 0.89 | 228 | 424 | 2.2 | 6.3 | 2.3 | 26 | 487 |
| 132 | S1A 315M | 160 | 2976 | 1.27 | 94 | 0.89 | 276 | 513 | 2.1 | 6.1 | 2.2 | 30 | 610 |
| 160 | S1A 315M | 190 | 2976 | 1.52 | 94 | 0.89 | 328 | 610 | 2.1 | 6.3 | 2.3 | 30 | 658 |
| 200 | S1A 315M | 240 | 2976 | 1.83 | 94.5 | 0.9 | 408 | 770 | 2.1 | 6.2 | 2.3 | 30 | 750 |
| 250 | S1A 355LT | 300 | 2976 | 2.29 | 94.5 | 0.9 | 510 | 963 | 1.8 | 6.3 | 2.0 | 30 | 885 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.25 | S1A 71-a | 0.3 | 1320 | 0.0004 | 68.5 | 0.65 | 0.97 | 2.17 | 1.7 | 2.9 | 1.7 | 10 | 5.4 |
| 0.37 | S1A 71-b | 0.45 | 1318 | 0.0005 | 69.5 | 0.67 | 1.40 | 3.26 | 1.6 | 3.0 | 1.6 | 10 | 6.7 |
| 0.55 | S1A 80-a | 0.66 | 1332 | 0.0012 | 72.5 | 0.7 | 1.88 | 4.73 | 1.9 | 3.7 | 1.9 | 14 | 8.1 |
| 0.75 | S1A 80-b | 0.9 | 1332 | 0.0017 | 73.5 | 0.73 | 2.42 | 6.45 | 1.9 | 3.5 | 1.9 | 14 | 9.5 |
| 1.1 | S1A 90S | 1.3 | 1358 | 0.0022 | 76.7 | 0.78 | 3.14 | 9.14 | 1.9 | 3.9 | 2.1 | 16 | 11.1 |
| 1.5 | S1A 90L | 1.8 | 1356 | 0.0028 | 79 | 0.77 | 4.28 | 12.7 | 1.9 | 3.8 | 2.1 | 16 | 13.4 |
| 2.2 | S1A 100L-a | 2.6 | 1394 | 0.005 | 81.5 | 0.79 | 5.84 | 17.8 | 1.7 | 3.9 | 1.9 | 20 | 17.7 |
| 3 | S1A 100L-b | 3.6 | 1392 | 0.006 | 83.1 | 0.8 | 7.83 | 24.7 | 1.7 | 3.8 | 1.8 | 20 | 20.2 |
| 4 | S1A 112MT | 4.8 | 1404 | 0.009 | 84.7 | 0.81 | 10.1 | 32.6 | 2.0 | 4.2 | 2.1 | 20 | 24.7 |
| 5.5 | S1A 132S | 6.6 | 1416 | 0.021 | 86.2 | 0.8 | 13.8 | 44.5 | 1.8 | 5.0 | 2.1 | 22 | 41 |
| 7.5 | S1A 132M-a | 9 | 1416 | 0.028 | 87.5 | 0.81 | 18.4 | 60.7 | 1.8 | 5.0 | 2.1 | 22 | 48.3 |
| 9 | S1A 132M-b | 11 | 1414 | 0.034 | 87.5 | 0.81 | 22.4 | 74.3 | 1.7 | 4.9 | 2.0 | 22 | 53.8 |
| 11 | S1A 160MT | 13 | 1459 | 0.039 | 88.9 | 0.83 | 25.5 | 85.1 | 2.2 | 5.0 | 2.2 | 22 | 66.5 |
| 15 | S1A 160L | 18 | 1458 | 0.08 | 89.9 | 0.82 | 35.3 | 118 | 2.2 | 5.0 | 2.2 | 22 | 86 |
| 18.5 | S1A 180MT | 22 | 1464 | 0.098 | 90.5 | 0.83 | 42.3 | 143 | 2.1 | 5.5 | 2.4 | 22 | 107 |
| 22 | S1A 180LT | 26 | 1465 | 0.12 | 91 | 0.83 | 49.7 | 170 | 2.1 | 5.5 | 2.4 | 22 | 115 |
| 30 | S1A 200LT | 36 | 1464 | 0.16 | 91.9 | 0.85 | 66.6 | 235 | 2.0 | 5.5 | 2.3 | 22 | 151 |
| 37 | S1A 225ST | 44 | 1476 | 0.31 | 92.5 | 0.84 | 81.8 | 285 | 2.2 | 6.0 | 2.4 | 22 | 198 |
| 45 | S1A 225MT-a | 54 | 1476 | 0.39 | 93 | 0.84 | 100 | 349 | 2.2 | 6.0 | 2.4 | 22 | 229 |
| 55 | S1A 250MT-b | 66 | 1476 | 0.51 | 93.5 | 0.85 | 120 | 427 | 2.1 | 6.1 | 2.2 | 26 | 280 |
| 75 | S1A 280ST | 90 | 1482 | 1.15 | 94.1 | 0.86 | 161 | 580 | 2.1 | 6.1 | 2.3 | 26 | 380 |
| 90 | S1A 280MT | 110 | 1482 | 1.31 | 94.4 | 0.86 | 196 | 709 | 2.1 | 5.5 | 2.2 | 26 | 407 |
| 110 | S1A 315ST | 132 | 1482 | 1.55 | 94.5 | 0.88 | 229 | 851 | 2.2 | 5.6 | 2.3 | 26 | 487 |
| 132 | S1A 315M-a | 160 | 1482 | 2.6 | 94.5 | 0.88 | 278 | 1031 | 1.8 | 5.2 | 2.2 | 30 | 620 |
| 160 | S1A 315M-b | 190 | 1482 | 3.5 | 94.5 | 0.88 | 330 | 1224 | 2.1 | 5.6 | 2.3 | 30 | 730 |
| 200 | S1A 315M-c | 240 | 1482 | 4.16 | 94.7 | 0.89 | 411 | 1546 | 2.2 | 5.7 | 2.3 | 30 | 872 |
| 250 | S1A 355LT | 300 | 1484 | 5 | 94.9 | 0.89 | 513 | 1930 | 2.3 | 5.9 | 1.9 | 30 | 1035 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.18 | S1A 71-a | 0.22 | 866 | 0.0011 | 54.5 | 0.61 | 0.96 | 2.43 | 1.4 | 2.3 | 1.6 | 10 | 5.5 |
| 0.22 | S1A 71-b | 0.26 | 870 | 0.0013 | 55.5 | 0.61 | 1.11 | 2.85 | 1.5 | 2.3 | 1.7 | 10 | 6.2 |
| 0.37 | S1A 80-a | 0.45 | 878 | 0.0016 | 66.5 | 0.71 | 1.38 | 4.89 | 1.5 | 2.4 | 1.7 | 12 | 5.3 |
| 0.55 | S1A 80-b | 0.66 | 880 | 0.0026 | 69.5 | 0.71 | 1.93 | 7.16 | 1.5 | 2.6 | 1.7 | 12 | 6 |
| 0.75 | S1A 90S | 0.9 | 892 | 0.0035 | 72.5 | 0.72 | 2.49 | 9.63 | 1.6 | 3.2 | 1.8 | 14 | 10.3 |
| 1.1 | S1A 90L | 1.3 | 894 | 0.0051 | 73.5 | 0.72 | 3.55 | 13.89 | 1.7 | 3.4 | 1.7 | 14 | 13 |
| 1.5 | S1A 100L | 1.8 | 904 | 0.0087 | 75.5 | 0.73 | 4.72 | 19.0 | 1.8 | 4.0 | 1.9 | 16 | 18.8 |
| 2.2 | S1A 112MT | 2.6 | 929 | 0.014 | 78.5 | 0.75 | 6.38 | 26.7 | 1.9 | 4.7 | 2.1 | 16 | 24.2 |
| 3 | S1A 132S | 3.6 | 940 | 0.023 | 80.5 | 0.78 | 8.29 | 36.6 | 1.7 | 4.7 | 1.9 | 20 | 38 |
| 4 | S1A 132M-a | 4.8 | 940 | 0.031 | 82.5 | 0.78 | 10.8 | 48.8 | 1.9 | 4.8 | 2.2 | 20 | 44.5 |
| 5.5 | S1A 132M-b | 6.6 | 940 | 0.041 | 83.5 | 0.78 | 14.6 | 67.0 | 1.9 | 5.0 | 2.2 | 20 | 51.5 |
| 7.5 | S1A 160MT | 9 | 952 | 0.054 | 85.5 | 0.8 | 19.0 | 90.3 | 1.8 | 5.0 | 2.2 | 22 | 66 |
| 11 | S1A 160L | 13 | 953 | 0.109 | 86.5 | 0.81 | 26.8 | 130 | 1.9 | 5.4 | 2.5 | 22 | 85 |
| 15 | S1A 180LT | 18 | 964 | 0.141 | 87.5 | 0.82 | 36.3 | 178 | 2.0 | 6.0 | 2.5 | 22 | 111 |
| 18.5 | S1A 200LT-a | 22 | 970 | 0.271 | 88.5 | 0.83 | 43.3 | 217 | 1.9 | 5.8 | 2.4 | 22 | 141 |
| 22 | S1A 200LT-b | 26 | 970 | 0.32 | 88.5 | 0.83 | 51.2 | 256 | 1.9 | 5.8 | 2.4 | 22 | 151 |
| 30 | S1A 225MT | 36 | 976 | 0.541 | 90.5 | 0.84 | 68.4 | 352 | 2.0 | 5.1 | 2.2 | 22 | 230 |
| 37 | S1A 250MT | 45 | 976 | 0.752 | 91.5 | 0.84 | 84.6 | 440 | 2.0 | 5.6 | 2.2 | 22 | 289 |
| 45 | S1A 280ST | 54 | 982 | 1.37 | 92.5 | 0.82 | 103 | 525 | 1.9 | 5.5 | 2.0 | 26 | 375 |
| 55 | S1A 280MT | 66 | 982 | 1.68 | 92.5 | 0.82 | 126 | 642 | 1.9 | 5.4 | 2.0 | 26 | 414 |
| 75 | S1A 315ST | 90 | 982 | 2.37 | 92.5 | 0.83 | 169 | 875 | 1.8 | 5.0 | 1.9 | 26 | 518 |
| 90 | S1A 315M-a | 108 | 986 | 2.7 | 93.5 | 0.83 | 201 | 1046 | 1.9 | 4.9 | 2.2 | 30 | 633 |
| 110 | S1A 315M-b | 132 | 983 | 2.7 | 93.5 | 0.84 | 243 | 1282 | 1.9 | 4.9 | 2.2 | 30 | 662 |
| 132 | S1A 315M-c | 160 | 983 | 3.15 | 93.8 | 0.84 | 293 | 1554 | 1.9 | 4.9 | 2.1 | 30 | 720 |
| 160 | S1A 315M-d | 192 | 984 | 4.7 | 94.5 | 0.84 | 350 | 1862 | 2.0 | 5.0 | 2.2 | 30 | 900 |
| 200 | S1A 355LT | 240 | 984 | 5.7 | 94.5 | 0.84 | 437 | 2328 | 2.0 | 5.0 | 2.2 | 30 | 1134 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

8 poli - 750 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

8 poles - 750 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.18 | S1A 80 | 0.22 | 652 | 0.0016 | 52.5 | 0.6 | 1.01 | 3.22 | 1.5 | 2.5 | 1.6 | 9 | 6.8 |
| 0.25 | S1A 80 | 0.3 | 654 | 0.0016 | 52.5 | 0.6 | 1.38 | 4.38 | 1.5 | 1.8 | 1.7 | 9 | 6.8 |
| 0.37 | S1A 90S | 0.45 | 653 | 0.0026 | 61.5 | 0.6 | 1.76 | 6.58 | 1.5 | 1.7 | 1.6 | 10 | 8.9 |
| 0.55 | S1A 90L | 0.67 | 665 | 0.003 | 64.5 | 0.63 | 2.38 | 9.62 | 1.5 | 1.7 | 1.6 | 10 | 9.8 |
| 0.75 | S1A 100L | 1 | 670 | 0.0045 | 67.5 | 0.63 | 3.40 | 14.3 | 1.4 | 1.9 | 1.5 | 12 | 12.3 |
| 1.1 | S1A 100L | 1.3 | 679 | 0.0087 | 68.5 | 0.64 | 4.29 | 18.3 | 1.7 | 2.0 | 1.8 | 12 | 18.3 |
| 1.5 | S1A 112MT | 1.8 | 678 | 0.0109 | 70.5 | 0.64 | 5.76 | 25.4 | 1.7 | 2.1 | 1.8 | 14 | 20.5 |
| 2.2 | S1A 132S | 2.7 | 689 | 0.0141 | 73.5 | 0.65 | 8.17 | 37.4 | 1.5 | 2.0 | 2.0 | 14 | 22 |
| 3 | S1A 132M | 3.7 | 695 | 0.0307 | 78.5 | 0.71 | 9.59 | 50.9 | 1.5 | 2.7 | 1.8 | 18 | 42 |
| 4 | S1A 160MT | 4.9 | 701 | 0.0409 | 79.5 | 0.72 | 12.4 | 66.7 | 1.6 | 3.1 | 1.9 | 18 | 49 |
| 5.5 | S1A 160M | 6.7 | 701 | 0.0537 | 80.5 | 0.73 | 16.5 | 91.2 | 1.6 | 3.0 | 1.7 | 20 | 64.5 |
| 7.5 | S1A 160L | 9 | 708 | 0.0772 | 82.5 | 0.73 | 21.6 | 121 | 1.7 | 3.1 | 1.8 | 20 | 66 |
| 11 | S1A 180LT | 13 | 715 | 0.109 | 84.5 | 0.74 | 30.0 | 174 | 1.8 | 3.1 | 1.9 | 20 | 83.5 |
| 15 | S1A 200LT | 18 | 726 | 0.154 | 86.5 | 0.76 | 39.6 | 237 | 1.8 | 3.1 | 1.7 | 20 | 111 |
| 18.5 | S1A 225ST | 23 | 725 | 0.345 | 87.5 | 0.76 | 50.0 | 303 | 1.7 | 3.6 | 1.9 | 20 | 149 |
| 22 | S1A 225MT | 27 | 725 | 0.505 | 88.5 | 0.79 | 55.8 | 355 | 1.9 | 3.6 | 1.9 | 20 | 200 |
| 30 | S1A 250MT | 36 | 726 | 0.577 | 89.5 | 0.79 | 73.6 | 474 | 1.9 | 3.2 | 2.0 | 21 | 235 |
| 37 | S1A 280ST | 45 | 732 | 0.902 | 90.5 | 0.8 | 89.8 | 587 | 2.0 | 3.7 | 2.1 | 21 | 308 |
| 45 | S1A 280MT | 55 | 732 | 1.75 | 91 | 0.8 | 109 | 718 | 1.7 | 3.4 | 1.9 | 21 | 411 |
| 55 | S1A 315ST | 67 | 732 | 2.12 | 91.5 | 0.8 | 132 | 874 | 1.7 | 3.4 | 1.9 | 21 | 451 |
| 75 | S1A 315M | 91 | 738 | 2.43 | 92.5 | 0.8 | 178 | 1178 | 1.9 | 3.3 | 1.8 | 28 | 515 |
| 90 | S1A 315M | 110 | 738 | 3.1 | 93.5 | 0.8 | 213 | 1424 | 1.3 | 3.6 | 1.8 | 28 | 661 |
| 110 | S1A 315M | 132 | 738 | 3.52 | 94 | 0.8 | 254 | 1708 | 1.3 | 3.6 | 1.9 | 28 | 759 |
| 132 | S1A 315M | 160 | 738 | 4.4 | 94.3 | 0.8 | 306 | 2071 | 1.3 | 3.7 | 1.9 | 28 | 890 |
| Serie S1S (carcassa in acciaio) - S1S Series (steel frame) | | | | | | | | | | | | | |
| 200 | S1S 355L-b | 240 | 742 | 10.5 | 93.5 | 0.81 | 458 | 3089 | 1.3 | 4.6 | 2.0 | 30 | 1565 |
| 250 | S1S 355L-c | 300 | 745 | 12.6 | 93.5 | 0.82 | 565 | 3205 | 1.5 | 5.6 | 2.4 | 30 | 1735 |
| 315 | S1S 355Lx-a | 378 | 745 | 28.9 | 94 | 0.8 | 726 | 4039 | 1.4 | 6 | 2.4 | 30 | 2490 |
| 355 | S1S 355Lx-b | 426 | 745 | 34 | 94 | 0.81 | 809 | 4550 | 1.5 | 6 | 2.5 | 30 | 2810 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 80-a | 0.9 | 2844 | 0.0004 | 77.9 | 0.8 | 2.09 | 3.02 | 1.9 | 3.9 | 2.0 | 10 | 9.3 |
| 1.1 | S2A 80-b | 1.32 | 2970 | 0.0005 | 80.1 | 0.8 | 2.98 | 4.24 | 2.2 | 4.6 | 2.3 | 10 | 10.9 |
| 1.5 | S2A 90S | 1.8 | 2796 | 0.0012 | 81.8 | 0.82 | 3.88 | 6.15 | 2.2 | 4.7 | 2.2 | 14 | 13.4 |
| 2.2 | S2A 90L | 1.3 | 2929 | 0.0017 | 83.7 | 0.82 | 2.74 | 4.24 | 4.4 | 10.0 | 4.4 | 14 | 15.4 |
| 3 | S2A 100L | 3.6 | 2856 | 0.0012 | 85.1 | 0.84 | 7.28 | 12.04 | 2.0 | 5.2 | 2.1 | 16 | 23.0 |
| 4 | S2A 112MT-a | 4.8 | 2892 | 0.0019 | 86.3 | 0.84 | 9.57 | 15.85 | 1.9 | 5.7 | 2.2 | 16 | 27.2 |
| 5.5 | S2A 132S-a | 6.6 | 2856 | 0.0032 | 87.5 | 0.9 | 12.1 | 22.1 | 1.8 | 5.7 | 2.1 | 20 | 42.3 |
| 7.5 | S2A 132S-b | 9 | 2904 | 0.0042 | 87.5 | 0.9 | 16.5 | 29.6 | 1.9 | 5.8 | 2.2 | 20 | 48.5 |
| 11 | S2A 160M-a | 13 | 2923 | 0.0055 | 89.9 | 0.88 | 23.7 | 42.5 | 1.7 | 5.3 | 2.4 | 20 | 74.0 |
| 15 | S2A 160M-b | 18 | 2923 | 0.009 | 90.8 | 0.89 | 32.2 | 58.8 | 1.9 | 5.6 | 2.3 | 21 | 88.0 |
| 18.5 | S2A 160L | 22 | 2926 | 0.0113 | 91.4 | 0.89 | 39.1 | 71.8 | 2.0 | 6.1 | 2.4 | 21 | 108.0 |
| 22 | S2A 180MT | 26 | 2927 | 0.015 | 91.8 | 0.89 | 46.0 | 84.8 | 2.2 | 6.1 | 2.5 | 21 | 114.0 |
| 30 | S2A 200LT-a | 36 | 2934 | 0.017 | 92.5 | 0.91 | 61.8 | 117.2 | 1.7 | 5.9 | 2.3 | 21 | 159 |
| 37 | S2A 200LT-b | 45 | 2936 | 0.023 | 93 | 0.91 | 76.8 | 146.4 | 1.8 | 5.8 | 2.5 | 21 | 181 |
| 45 | S2A 225MT | 55 | 2951 | 0.043 | 93.4 | 0.9 | 94.6 | 178.0 | 2.1 | 6.2 | 2.5 | 21 | 219 |
| 55 | S2A 250MT | 66 | 2958 | 0.051 | 93.7 | 0.9 | 113 | 213.1 | 2.2 | 6.3 | 2.5 | 22 | 276 |
| 75 | S2A 280ST | 90 | 2958 | 0.059 | 94.3 | 0.9 | 153 | 290.5 | 2.0 | 6.0 | 2.3 | 22 | 402 |
| 90 | S2A 280MT | 110 | 2961 | 0.089 | 94.6 | 0.9 | 187 | 355 | 2.0 | 5.9 | 2.3 | 22 | 489 |
| 110 | S2A 315ST | 132 | 2964 | 0.111 | 94.8 | 0.9 | 224 | 425 | 2.2 | 6.3 | 2.3 | 22 | 547 |
| 132 | S2A 315Ma | 160 | 2848 | 0.18 | 95.1 | 0.9 | 270 | 536 | 1.6 | 5.8 | 1.9 | 26 | 684 |
| 160 | S2A 315Mb | 200 | 2844 | 0.283 | 95.3 | 0.9 | 337 | 672 | 1.5 | 5.6 | 1.8 | 26 | 756 |
| 200 | S2A 315Mc | 240 | 2850 | 0.493 | 95.5 | 0.9 | 404 | 804 | 1.7 | 5.9 | 1.9 | 26 | 852 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L | 300 | 2980 | 0.493 | 95.6 | 0.91 | 498 | 961 | 1.7 | 5.9 | 1.9 | 26 | 1175 |
| 280 | S2S 355L-a | 336 | 2976 | 1.493 | 95.6 | 0.91 | 558 | 1078 | 1.7 | 5.9 | 1.9 | 27 | 1255 |
| 315 | S2S 355L-b | 378 | 2976 | 2.493 | 95.6 | 0.91 | 628 | 1213 | 1.9 | 6.3 | 2.1 | 28 | 1575 |
| 355 | S2S 355Lx-a | 426 | 2976 | 3.493 | 95.6 | 0.9 | 715 | 1367 | 1.8 | 6.3 | 2.0 | 29 | 1840 |
| 400 | S2S 355Lx-b | 480 | 2982 | 4.493 | 95.7 | 0.9 | 805 | 1537 | 1.8 | 6.3 | 2.0 | 30 | 1970 |
| 450 | S2S 355Lx-c | 540 | 2982 | 5.493 | 95.7 | 0.9 | 906 | 1729 | 1.8 | 6.3 | 2.0 | 31 | 2120 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 80-b | 0.9 | 1332 | 0.0004 | 80.1 | 0.73 | 2.22 | 6.45 | 1.9 | 4.3 | 1.9 | 10 | 10.7 |
| 1.1 | S2A 90S | 1.3 | 1376 | 0.0005 | 81.9 | 0.81 | 2.83 | 9.02 | 1.9 | 4.0 | 2.1 | 10 | 13.9 |
| 1.5 | S2A 90L | 1.8 | 1380 | 0.0012 | 83.3 | 0.81 | 3.86 | 12.46 | 2.2 | 4.2 | 2.2 | 14 | 17.3 |
| 2.2 | S2A 100L-a | 2.6 | 1411 | 0.0017 | 84.8 | 0.8 | 5.54 | 17.59 | 1.7 | 4.2 | 1.9 | 14 | 20.7 |
| 3 | S2A 100L-b | 3.6 | 1410 | 0.0022 | 86 | 0.8 | 7.56 | 24.38 | 1.7 | 4.2 | 1.8 | 16 | 25.4 |
| 4 | S2A 112M | 4.8 | 1404 | 0.0028 | 87.1 | 0.8 | 9.95 | 32.6 | 2.0 | 4.2 | 2.1 | 16 | 34.2 |
| 5.5 | S2A 132S | 6.6 | 1442 | 0.005 | 88.2 | 0.8 | 13.52 | 43.7 | 1.5 | 4.6 | 2.1 | 20 | 47 |
| 7.5 | S2A 132M | 9 | 1447 | 0.006 | 89.2 | 0.81 | 18.00 | 59.4 | 1.7 | 4.9 | 2.2 | 20 | 57 |
| 9.2 | S2A 132Mb | 11 | 1449 | 0.009 | 89.8 | 0.81 | 21.9 | 72.5 | 1.7 | 5.0 | 2.3 | 20 | 64.2 |
| 11 | S2A 160M | 13 | 1456 | 0.021 | 90.3 | 0.83 | 25.1 | 85.2 | 2.0 | 4.9 | 2.1 | 22 | 83.5 |
| 15 | S2A 160L | 18 | 1456 | 0.028 | 91.1 | 0.83 | 34.4 | 118.1 | 2.2 | 5.0 | 2.2 | 22 | 102 |
| 18.5 | S2A 180MT | 22 | 1458 | 0.034 | 91.7 | 0.83 | 41.8 | 144.0 | 2.1 | 5.0 | 2.1 | 22 | 123 |
| 22 | S2A 180L | 26 | 1459 | 0.039 | 92.1 | 0.87 | 46.9 | 170.2 | 1.9 | 5.1 | 2.2 | 22 | 152 |
| 30 | S2A 200LT | 36 | 1458 | 0.08 | 92.8 | 0.87 | 64.4 | 236 | 1.8 | 5.2 | 2.3 | 22 | 183 |
| 37 | S2A 225ST | 45 | 1464 | 0.098 | 93.2 | 0.87 | 80.2 | 294 | 2.1 | 5.8 | 2.4 | 22 | 227 |
| 45 | S2A 225M | 55 | 1468 | 0.12 | 93.6 | 0.88 | 96.5 | 358 | 2.1 | 6.1 | 2.4 | 22 | 259 |
| 55 | S2A 250MT | 66 | 1470 | 0.16 | 94 | 0.88 | 115.3 | 429 | 2.3 | 6.4 | 2.5 | 22 | 311 |
| 75 | S2A 280ST | 90 | 1476 | 0.31 | 94.5 | 0.88 | 156.4 | 582 | 2.2 | 5.9 | 2.2 | 22 | 403 |
| 90 | S2A 280MT | 110 | 1476 | 0.39 | 94.7 | 0.88 | 191 | 712 | 2.1 | 5.8 | 2.1 | 22 | 468 |
| 110 | S2A 315M-a | 132 | 1486 | 0.51 | 95 | 0.86 | 233 | 848 | 2.2 | 5.9 | 2.2 | 26 | 654 |
| 132 | S2A 315M-b | 160 | 1485 | 1.15 | 95.2 | 0.86 | 282 | 1029 | 2.1 | 6.0 | 2.1 | 26 | 726 |
| 160 | S2A 315M-c | 200 | 1485 | 1.31 | 95.4 | 0.88 | 344 | 1286 | 2.2 | 5.8 | 2.2 | 26 | 840 |
| 200 | S2A 315M-d | 240 | 1482 | 1.55 | 95.6 | 0.88 | 412 | 1546 | 2.3 | 6.0 | 2.3 | 26 | 1017 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L-a | 300 | 1490 | 2.6 | 95.6 | 0.87 | 521 | 1922 | 1.2 | 5.4 | 2.0 | 30 | 1350 |
| 280 | S2S 355L-b | 330 | 1491 | 3.5 | 95.6 | 0.88 | 567 | 2114 | 1.2 | 5.5 | 2.0 | 30 | 1480 |
| 315 | S2S 355L-c | 380 | 1490 | 4.16 | 95.8 | 0.88 | 651 | 2435 | 1.2 | 5.4 | 2.0 | 30 | 1670 |
| 355 | S2S 355Lx-a | 420 | 1491 | 5 | 95.8 | 0.89 | 712 | 2691 | 1.1 | 5.8 | 2.4 | 30 | 1840 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 90S | 0.9 | 910 | 0.005 | 76.4 | 0.66 | 2.58 | 9.44 | 2.1 | 4.2 | 2.4 | 10 | 13.2 |
| 1.1 | S2A 90L | 1.32 | 910 | 0.006 | 78.6 | 0.7 | 3.47 | 13.85 | 2.3 | 4.3 | 2.5 | 10 | 16.2 |
| 1.5 | S2A 100L | 1.8 | 940 | 0.013 | 80.3 | 0.71 | 4.56 | 18.3 | 1.8 | 3.9 | 2.1 | 12 | 24.5 |
| 2.2 | S2A 112M | 2.64 | 940 | 0.018 | 82.3 | 0.71 | 6.53 | 26.8 | 1.8 | 4.9 | 2.2 | 12 | -0.5 |
| 3 | S2A 132S | 3.6 | 946 | 0.029 | 83.8 | 0.72 | 8.62 | 36.3 | 1.8 | 4.7 | 2.3 | 14 | 45 |
| 4 | S2A 132M-a | 4.8 | 946 | 0.039 | 85.1 | 0.72 | 11.32 | 48.5 | 1.9 | 5.0 | 2.4 | 14 | 52 |
| 5.5 | S2A 132M-b | 6.6 | 946 | 0.051 | 86.5 | 0.73 | 15.1 | 66.6 | 2.0 | 5.0 | 2.5 | 16 | 68.2 |
| 7.5 | S2A 160M | 9 | 952 | 0.104 | 87.7 | 0.78 | 19.0 | 90.3 | 2.2 | 5.9 | 2.5 | 16 | 87.2 |
| 11 | S2A 160L | 13.2 | 958 | 0.123 | 89.2 | 0.78 | 27.4 | 131.6 | 2.2 | 6.2 | 2.5 | 20 | 113 |
| 15 | S2A 180LT | 18 | 964 | 0.16 | 90.2 | 0.78 | 37.0 | 178.3 | 2.3 | 6.3 | 2.5 | 20 | 124 |
| 18.5 | S2A 200L-a | 22.2 | 976 | 0.38 | 90.9 | 0.86 | 41.0 | 217.2 | 2.1 | 5.6 | 2.3 | 20 | 133 |
| 22 | S2A 200L-b | 26.4 | 976 | 0.45 | 91.4 | 0.86 | 48.5 | 258.3 | 2.3 | 5.9 | 2.4 | 22 | 152 |
| 30 | S2A 225M | 36 | 976 | 0.72 | 92.2 | 0.82 | 68.8 | 352.2 | 2.2 | 5.9 | 2.4 | 22 | 292 |
| 37 | S2A 250MT | 44.4 | 976 | 0.864 | 92.7 | 0.82 | 84.4 | 434.4 | 2.2 | 5.9 | 2.4 | 22 | 329 |
| 45 | S2A 280ST | 54 | 982 | 1.72 | 93.2 | 0.83 | 100.9 | 525.1 | 1.9 | 5.1 | 1.9 | 22 | 417 |
| 55 | S2A 280MT | 66 | 982 | 2.17 | 93.6 | 0.83 | 123 | 641.8 | 2.0 | 5.0 | 1.9 | 22 | 486 |
| 75 | S2A 315ST | 90 | 982 | 2.68 | 94.2 | 0.83 | 166 | 875.2 | 2.0 | 5.0 | 1.9 | 22 | 561 |
| 90 | S2A 315M-a | 108 | 986 | 3.14 | 94.5 | 0.83 | 199 | 1046.4 | 2.0 | 5.5 | 2.3 | 22 | 666 |
| 110 | S2A 315M-b | 132 | 986 | 3.73 | 94.8 | 0.84 | 240 | 1278.9 | 2.0 | 5.5 | 2.3 | 26 | 724 |
| 132 | S2A 315M-c | 158.4 | 986 | 4.7 | 95.1 | 0.84 | 287 | 1534.7 | 2.3 | 5.9 | 2.4 | 26 | 903 |
| 160 | S2A 315M-d | 192 | 986 | 5.7 | 95.3 | 0.84 | 347 | 1860.2 | 2.3 | 5.9 | 2.4 | 26 | 1092 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 200 | S2A 355L | 240 | 988 | 6.4 | 95.5 | 0.86 | 422 | 2320 | 1.6 | 4.7 | 1.8 | 30 | 1361 |
| 250 | S2A 355L-a | 300 | 988 | 7.9 | 95.6 | 0.86 | 527 | 2899 | 1.8 | 4.7 | 1.8 | 30 | 1562 |
| 280 | S2A 355L-b | 336 | 988 | 8.7 | 95.6 | 0.86 | 598 | 3287 | 1.8 | 4.9 | 1.9 | 30 | 1650 |
| 315 | S2A 355L-c | 378 | 988 | 9.8 | 95.5 | 0.86 | 669 | 3673 | 1.0 | 4.7 | 1.9 | 30 | 1790 |
| 355 | S2A 355Lx-a | 426 | 988 | 19.8 | 96 | 0.89 | 727 | 4156 | 1.2 | 5.0 | 2.1 | 30 | 2050 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 80-a | 0.9 | 2832 | 0.0004 | 81.2 | 0.87 | 1.84 | 3.03 | 2.2 | 4.9 | 2.3 | 10 | 10.9 |
| 1.1 | S3A 80-b | 1.32 | 2850 | 0.0005 | 83.2 | 0.88 | 2.61 | 4.42 | 2.3 | 5.1 | 2.3 | 10 | 12.9 |
| 1.5 | S3A 90S | 1.8 | 2924 | 0.0012 | 84.7 | 0.76 | 4.04 | 5.88 | 2.5 | 5.2 | 2.7 | 14 | 13.4 |
| 2.2 | S3A 90L | 2.6 | 2811 | 0.0017 | 86.4 | 0.86 | 5.06 | 8.83 | 2.5 | 5.7 | 2.5 | 14 | 15.4 |
| 3 | S3A 100L | 3.6 | 2880 | 0.0012 | 87.6 | 0.86 | 6.91 | 11.94 | 2.0 | 5.6 | 2.5 | 16 | 27.2 |
| 4 | S3A 112M | 4.8 | 2874 | 0.0019 | 88.6 | 0.86 | 9.10 | 15.95 | 1.9 | 5.6 | 2.5 | 16 | 32.2 |
| 5.5 | S3A 132S-b | 6.6 | 2892 | 0.0032 | 89.7 | 0.89 | 11.9 | 21.8 | 1.9 | 5.9 | 2.5 | 20 | 48.5 |
| 7.5 | S3A 132S-b | 9 | 2916 | 0.0055 | 90.6 | 0.89 | 16.1 | 29.5 | 1.8 | 5.9 | 2.5 | 20 | 51.0 |
| 11 | S3A 160M-a | 13.2 | 2936 | 0.009 | 91.7 | 0.9 | 23.1 | 42.9 | 2.3 | 7.0 | 2.8 | 21 | 88.0 |
| 15 | S3A 160M-b | 18 | 2936 | 0.0113 | 92.4 | 0.89 | 31.6 | 58.5 | 2.3 | 6.7 | 2.8 | 21 | 108.0 |
| 18.5 | S3A 160L | 22 | 2938 | 0.015 | 92.9 | 0.88 | 38.9 | 71.5 | 2.4 | 6.3 | 2.5 | 21 | 114.0 |
| 22 | S3A 180L-T | 26 | 2953 | 0.017 | 93.2 | 0.89 | 45.3 | 84.1 | 2.2 | 6.5 | 2.9 | 21 | 157 |
| 30 | S3A 200LT | 36 | 2952 | 0.023 | 93.8 | 0.9 | 61.6 | 116.5 | 2.2 | 6.5 | 2.9 | 21 | 181 |
| 37 | S3A 200L | 44 | 2958 | 0.043 | 94.2 | 0.9 | 75.0 | 142.0 | 2.2 | 6.6 | 2.8 | 21 | 217 |
| 45 | S3A 225MT | 54 | 2958 | 0.051 | 94.5 | 0.9 | 92 | 174.3 | 2.2 | 6.5 | 2.7 | 22 | 216 |
| 55 | S3A 250MT | 66 | 2964 | 0.059 | 94.8 | 0.9 | 112 | 212.6 | 2.3 | 6.2 | 2.5 | 22 | 324 |
| 75 | S3A 280ST | 90 | 2964 | 0.089 | 95.2 | 0.91 | 150 | 290 | 1.9 | 5.9 | 2.3 | 22 | 489 |
| 90 | S3A 280MT | 110 | 2963 | 0.111 | 95.5 | 0.91 | 183 | 354 | 2.1 | 6.2 | 2.5 | 22 | 544 |
| 110 | S3A 315S | 132 | 2968 | 0.18 | 95.7 | 0.91 | 219 | 425 | 1.6 | 5.7 | 2.0 | 26 | 742 |
| 132 | S3A 315Ma | 160 | 2967 | 0.283 | 95.9 | 0.91 | 265 | 515 | 1.7 | 5.8 | 2.0 | 26 | 802 |
| 160 | S3A 315Md | 200 | 2966 | 0.493 | 96.1 | 0.91 | 330 | 644 | 1.7 | 5.5 | 2.0 | 26 | 908 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S3S 355L-a | 300 | 2978 | 0.493 | 96.3 | 0.91 | 495 | 962 | 1.8 | 5.9 | 1.9 | 26 | 1540 |
| 280 | S3S 355L-b | 336 | 2980 | 1.493 | 96.3 | 0.91 | 554 | 1077 | 2.0 | 6.2 | 2.0 | 27 | 1700 |
| 315 | S3S 355Lx-a | 378 | 2982 | 2.493 | 96.3 | 0.91 | 623 | 1210 | 1.3 | 5.4 | 1.9 | 28 | 1770 |
| 355 | S3S 355Lx-b | 426 | 2982 | 3.493 | 96.3 | 0.91 | 702 | 1364 | 1.3 | 5.6 | 2.0 | 29 | 1870 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 80-b | 0.9 | 1332 | 0.0019 | 83 | 0.73 | 2.15 | 6.45 | 1.9 | 4.2 | 1.9 | 10 | 10.7 |
| 1.1 | S3A 90S | 1.32 | 1414 | 0.0034 | 84.6 | 0.74 | 3.05 | 8.92 | 2.3 | 4.9 | 2.6 | 10 | 15.7 |
| 1.5 | S3A 90L | 1.8 | 1416 | 0.004 | 85.8 | 0.75 | 4.04 | 12.1 | 2.5 | 5.0 | 2.7 | 14 | 17.9 |
| 2.2 | S3A 100L-a | 2.6 | 1423 | 0.0083 | 87.2 | 0.75 | 5.74 | 17.4 | 2.3 | 5.5 | 2.9 | 14 | 25.7 |
| 3 | S3A 100L-b | 3.6 | 1410 | 0.0097 | 86 | 0.78 | 7.76 | 24.4 | 2.3 | 5.5 | 2.9 | 16 | 28.2 |
| 4 | S3A 112M | 4.8 | 1422 | 0.0198 | 89.1 | 0.78 | 9.98 | 32.2 | 2.3 | 5.5 | 2.5 | 16 | 47.2 |
| 5.5 | S3A 132sa | 6.6 | 1456 | 0.033 | 90.1 | 0.78 | 13.6 | 43.3 | 1.9 | 5.5 | 2.3 | 20 | 57 |
| 7.5 | S3A 132Ma | 9 | 1456 | 0.037 | 90.9 | 0.78 | 18.3 | 59.0 | 1.8 | 5.4 | 2.3 | 20 | 64 |
| 11 | S3A 160M | 13 | 1465 | 0.092 | 91.9 | 0.81 | 25.2 | 84.8 | 2.4 | 5.4 | 2.3 | 22 | 102 |
| 15 | S3A 160L | 18 | 1464 | 0.108 | 92.6 | 0.84 | 33.4 | 117 | 2.3 | 5.3 | 2.2 | 22 | 123 |
| 18.5 | S3A 180MT | 22 | 1464 | 0.117 | 93.1 | 0.8 | 42.7 | 143 | 2.4 | 5.2 | 2.2 | 22 | 131 |
| 22 | S3A 180L | 26 | 1466 | 0.194 | 93.5 | 0.82 | 49.0 | 169 | 2.4 | 6.3 | 2.7 | 22 | 177 |
| 30 | S3A 200L | 36 | 1465 | 0.373 | 94.1 | 0.86 | 64.3 | 235 | 2.3 | 6.2 | 2.5 | 22 | 227 |
| 37 | S3A 225ST | 45 | 1467 | 0.397 | 94.4 | 0.86 | 80.1 | 293 | 2.3 | 6.4 | 2.6 | 22 | 239 |
| 45 | S3A 225M | 54 | 1471 | 0.549 | 94.7 | 0.88 | 93.6 | 350 | 2.5 | 6.7 | 2.8 | 22 | 306 |
| 55 | S3A 250M | 66 | 1476 | 0.977 | 95.1 | 0.88 | 114 | 427 | 2.2 | 5.3 | 2.2 | 22 | 356 |
| 75 | S3A 280ST | 90 | 1476 | 1.486 | 95.5 | 0.88 | 155 | 582 | 2.3 | 5.5 | 2.2 | 22 | 470 |
| 90 | S3A 280MT | 110 | 1478 | 1.72 | 95.7 | 0.88 | 189 | 711 | 2.3 | 5.6 | 2.2 | 22 | 526 |
| 110 | S3A 315S | 132 | 1481 | 3.31 | 95.9 | 0.88 | 226 | 851 | 2.1 | 5.9 | 2.1 | 26 | 727 |
| 132 | S3A 315M-b | 160 | 1484 | 3.31 | 96 | 0.88 | 274 | 1029 | 2.0 | 5.8 | 2.1 | 26 | 723 |
| 160 | S3A 315M-c | 200 | 1481 | 3.97 | 96.3 | 0.88 | 341 | 1289 | 2.2 | 6.1 | 2.2 | 26 | 838 |
| 200 | S3A 315M-d | 240 | 1483 | 4.8 | 96.5 | 0.88 | 408 | 1545 | 2.3 | 6.9 | 2.4 | 26 | 1016 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S3A 355L-b | 300 | 1486 | 4.8 | 96.5 | 0.88 | 511 | 1928 | 2.2 | 5.9 | 2.1 | 20 | 1460 |
| 315 | S3A 355L-c | 380 | 1486 | 5.8 | 96.5 | 0.88 | 647 | 2443 | 2.2 | 5.8 | 2.1 | 20 | 1660 |
| 355 | S3A 355Lx-a | 430 | 1490 | 11.7 | 96.5 | 0.89 | 724 | 2755 | 1.7 | 5.1 | 2.0 | 30 | 1940 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 90S | 0.9 | 911 | 0.006 | 79.4 | 0.67 | 2.44 | 9.43 | 2.3 | 4.0 | 2.4 | 10 | 10.7 |
| 1.1 | S3A 90L | 1.3 | 911 | 0.0072 | 81.5 | 0.69 | 3.34 | 13.62 | 2.5 | 4.2 | 2.7 | 10 | 13.3 |
| 1.5 | S3A 100L | 1.8 | 940 | 0.0134 | 83 | 0.69 | 4.54 | 18.29 | 2.0 | 2.4 | 1.7 | 12 | 24.5 |
| 2.2 | S3A 112M | 2.6 | 941 | 0.0242 | 84.8 | 0.72 | 6.15 | 26.39 | 1.9 | 2.6 | 1.7 | 12 | 43.5 |
| 3 | S3A 132S | 3.6 | 945 | 0.0389 | 86.1 | 0.75 | 8.06 | 36.38 | 1.8 | 5.1 | 2.3 | 14 | 52 |
| 4 | S3A 132M-a | 4.8 | 947 | 0.0511 | 87.3 | 0.76 | 10.45 | 48.39 | 1.9 | 5.1 | 2.4 | 14 | 68.5 |
| 5.5 | S3A 132M-b | 6.6 | 948 | 0.0584 | 88.5 | 0.76 | 14.18 | 66.5 | 2.0 | 5.3 | 2.5 | 16 | 76.2 |
| 7.5 | S3A 160M | 9 | 952 | 0.135 | 89.6 | 0.82 | 17.70 | 90.3 | 2.2 | 6.3 | 2.4 | 20 | 103 |
| 11 | S3A 160L | 13 | 959 | 0.159 | 90.8 | 0.8 | 25.9 | 129.5 | 2.3 | 6.6 | 2.5 | 20 | 124 |
| 15 | S3A 180L | 18 | 977 | 0.33 | 91.7 | 0.8 | 35.5 | 175.9 | 2.3 | 5.2 | 2.3 | 20 | 162 |
| 18.5 | S3A 200LT | 22 | 977 | 0.377 | 92.2 | 0.85 | 40.6 | 214.9 | 2.3 | 5.7 | 2.4 | 22 | 177 |
| 22 | S3A 200L-b | 26 | 979 | 0.483 | 92.7 | 0.85 | 47.7 | 254 | 2.4 | 6.0 | 2.5 | 22 | 207 |
| 30 | S3A 225M | 36 | 980 | 0.92 | 93.4 | 0.85 | 65.5 | 351 | 2.3 | 5.9 | 2.4 | 22 | 307 |
| 37 | S3A 250M | 45 | 990 | 1.72 | 93.8 | 0.83 | 83.5 | 434 | 2.3 | 5.8 | 2.0 | 22 | 336 |
| 45 | S3A 280ST | 54 | 992 | 0.32 | 94.2 | 0.83 | 99.8 | 520 | 2.5 | 6.6 | 2.1 | 22 | 431 |
| 55 | S3A 280MT | 66 | 982 | 0.541 | 94.6 | 0.83 | 121.5 | 642 | 2.5 | 6.1 | 2.3 | 22 | 510 |
| 75 | S3A 315S | 90 | 986 | 0.752 | 95.1 | 0.84 | 162.8 | 872 | 2.1 | 5.0 | 1.9 | 22 | 666 |
| 90 | S3A 315M-a | 110 | 987 | 1.37 | 95.4 | 0.84 | 198 | 1065 | 2.0 | 5.8 | 2.2 | 26 | 720 |
| 110 | S3A 315M-b | 132 | 987 | 1.68 | 95.6 | 0.84 | 238 | 1277 | 2.1 | 5.9 | 2.3 | 26 | 909 |
| 132 | S3A 315M-d | 160 | 987 | 2.37 | 95.9 | 0.84 | 287 | 1548 | 2.1 | 5.8 | 2.4 | 26 | 1090 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 160 | S3S 355L-a | 190 | 988 | 2.7 | 95.3 | 0.84 | 343 | 1836 | 1.5 | 4.9 | 2.0 | 30 | 1280 |
| 200 | S3S 355L-b | 240 | 988 | 2.7 | 96.3 | 0.86 | 419 | 2320 | 1.5 | 4.9 | 2.0 | 30 | 1564 |
| 250 | S3S 355L-c | 300 | 988 | 3.15 | 96.3 | 0.86 | 523 | 2899 | 1.6 | 5.0 | 2.1 | 30 | 1724 |
| 280 | S3S 355Lx-a | 330 | 991 | 4.7 | 96.3 | 0.83 | 597 | 3181 | 1.6 | 4.8 | 1.6 | 30 | 1930 |
| 315 | S3S 355Lx-b | 370 | 991 | 5.7 | 96.3 | 0.83 | 669 | 3567 | 1.6 | 4.8 | 1.6 | 30 | 2030 |
| 355 | S3S 355Lx-c | 430 | 430 | 6.7 | 96.3 | 0.83 | 777 | 9549 | 1.7 | 4.6 | 1.7 | 30 | 2170 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

2-4 poli - 3.000-1.500 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

2-4 poles - 3.000-1.500 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|------|-------------------|------|--------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | |
| | 2p | 4p | 2p | 4p | 2p | | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 80 | 0.85 | 0.17 | 2785 | 1392 | 0.0015 | 71.5 | 66.5 | 0.86 | 0.75 | 2.00 | 0.49 | 2.91 | 1.17 | 1.5 | 1.6 | 4.3 | 4.1 | 1.6 | 1.7 | 14.0 | 8.1 |
| SA 80 | 1.1 | 0.28 | 2792 | 1405 | 0.0017 | 71.5 | 69.5 | 0.84 | 0.8 | 2.65 | 0.73 | 3.76 | 1.90 | 1.9 | 1.8 | 5.8 | 4.8 | 2.0 | 1.9 | 14.0 | 9.7 |
| SA 90S | 1.6 | 0.38 | 2794 | 1402 | 0.0022 | 71.5 | 69.5 | 0.85 | 0.83 | 3.80 | 0.95 | 5.47 | 2.59 | 1.6 | 1.6 | 5.2 | 4.6 | 1.7 | 1.8 | 14.0 | 11.6 |
| SA 90L | 2.1 | 0.42 | 2800 | 1404 | 0.0028 | 71.5 | 72.5 | 0.85 | 0.8 | 4.99 | 1.05 | 7.16 | 2.86 | 1.7 | 1.9 | 5.3 | 5.5 | 1.8 | 2.0 | 14.0 | 13.9 |
| SA 90L | 2.3 | 0.57 | 2805 | 1403 | 0.0032 | 72.5 | 73.5 | 0.84 | 0.82 | 5.46 | 1.37 | 7.83 | 3.88 | 1.7 | 1.8 | 5.3 | 5.1 | 1.9 | 2.1 | 14.0 | 14.5 |
| SA 100L | 2.9 | 0.75 | 2803 | 1385 | 0.0057 | 70.5 | 70.5 | 0.86 | 0.87 | 6.91 | 1.77 | 9.88 | 5.17 | 1.5 | 1.4 | 5.4 | 4.1 | 1.7 | 1.5 | 16.0 | 19.5 |
| SA 100L | 3.3 | 0.9 | 2835 | 1393 | 0.0071 | 73.5 | 70.5 | 0.86 | 0.89 | 7.54 | 2.07 | 11.1 | 6.17 | 1.9 | 1.6 | 5.6 | 5.4 | 2.1 | 1.8 | 16.0 | 21.6 |
| SA 112MT | 5 | 1.2 | 2841 | 1407 | 0.0092 | 79.5 | 71.5 | 0.85 | 0.87 | 10.69 | 2.79 | 16.8 | 8.14 | 1.7 | 1.6 | 6.3 | 5.4 | 1.9 | 1.8 | 20.0 | 26.4 |
| SA 132S | 6.8 | 1.6 | 2850 | 1428 | 0.0207 | 82.5 | 80.5 | 0.84 | 0.85 | 14.18 | 3.38 | 22.8 | 10.7 | 1.7 | 1.6 | 6.4 | 6.0 | 1.9 | 1.8 | 20.0 | 42 |
| SA 132M | 9.2 | 2.3 | 2856 | 1437 | 0.0282 | 84.5 | 82.5 | 0.84 | 0.85 | 18.73 | 4.74 | 30.8 | 15.3 | 1.7 | 1.6 | 7.2 | 6.9 | 1.9 | 1.7 | 20.0 | 49.3 |
| SA 160MT | 13.2 | 3.3 | 2857 | 1437 | 0.0395 | 86.5 | 85.5 | 0.85 | 0.86 | 25.9 | 6.49 | 44.1 | 21.9 | 1.7 | 1.6 | 8.1 | 7.9 | 1.9 | 1.8 | 21 | 68.5 |
| SA 160L | 17.8 | 4.4 | 2902 | 1454 | 0.08 | 87.5 | 87.5 | 0.87 | 0.9 | 33.8 | 8.07 | 58.6 | 28.9 | 2.0 | 1.9 | 7.5 | 7.1 | 2.1 | 2.0 | 21 | 87 |
| SA 180MT | 21.2 | 4.6 | 2920 | 1460 | 0.0978 | 87.5 | 88.5 | 0.87 | 0.88 | 40.2 | 8.54 | 69.3 | 30.1 | 2.2 | 2.4 | 8.4 | 9.1 | 2.3 | 2.5 | 22 | 108 |
| SA 180LT | 25 | 5 | 2932 | 1466 | 0.124 | 87.5 | 88.5 | 0.87 | 0.88 | 47.5 | 9.28 | 81.4 | 32.6 | 2.3 | 2.5 | 8.5 | 9.1 | 2.5 | 2.6 | 22 | 126 |
| SA 200LT | 34 | 6.8 | 2932 | 1465 | 0.18 | 88.5 | 88.5 | 0.89 | 0.9 | 62.4 | 12.3 | 110.7 | 44.3 | 1.9 | 2.2 | 9.0 | 9.7 | 2.1 | 2.2 | 22 | 167 |
| SA 225ST | 42 | 8.8 | 2938 | 1471 | 0.345 | 88.5 | 87.5 | 0.89 | 0.9 | 77.1 | 16.1 | 137 | 57.1 | 2.0 | 2.0 | 9.4 | 9.8 | 2.2 | 2.2 | 22 | 217 |
| SA 225MT | 50 | 10 | 2938 | 1472 | 0.419 | 88.5 | 87.5 | 0.89 | 0.9 | 91.7 | 18.4 | 163 | 64.9 | 2.0 | 2.1 | 9.4 | 9.7 | 2.2 | 2.3 | 26 | 247 |
| SA 250MT | 63 | 12.5 | 2943 | 1477 | 0.541 | 89.5 | 89.5 | 0.9 | 0.89 | 113 | 22.7 | 204 | 81 | 2.0 | 2.3 | 9.5 | 9.9 | 2.2 | 2.5 | 26 | 336 |
| SA 280ST | 76 | 17 | 2954 | 1483 | 1.23 | 90.5 | 91.5 | 0.9 | 0.9 | 135 | 29.8 | 246 | 109 | 2.0 | 2.2 | 9.7 | 9.9 | 2.2 | 2.4 | 26 | 409 |
| SA 280MT | 98 | 21 | 2954 | 1483 | 1.39 | 90.5 | 91.5 | 0.9 | 0.9 | 174 | 36.9 | 317 | 135 | 1.9 | 2.1 | 9.5 | 9.7 | 2.1 | 2.3 | 26 | 464 |
| SA 315M | 110 | 25 | 2971 | 1483 | 2.68 | 90.5 | 91.5 | 0.88 | 0.84 | 200 | 47.0 | 354 | 161 | 2.1 | 2.4 | 9.2 | 9.2 | 2.2 | 2.5 | 30 | 580 |
| SA 315M | 125 | 30 | 2975 | 1485 | 2.58 | 90.5 | 91.5 | 0.88 | 0.84 | 227 | 56.4 | 401 | 193 | 2.2 | 2.4 | 9.1 | 9.4 | 2.3 | 2.5 | 30 | 710 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

4-8 poli - 1.500-750 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

4-8 poles - 1.500 -750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 4p | 8p | 4p | 8p | 4p | | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 80 | 0.56 | 0.12 | 1382 | 684 | 0.00256 | 66.5 | 55.5 | 0.78 | 0.62 | 1.56 | 0.50 | 3.87 | 1.68 | 1.4 | 1.6 | 4.4 | 3.5 | 1.7 | 1.6 | | 9.5 |
| SA 80 | 0.8 | 0.17 | 1380 | 688 | 0.00329 | 67.5 | 62.5 | 0.8 | 0.63 | 2.14 | 0.62 | 5.54 | 2.36 | 1.4 | 1.6 | 4.7 | 3.4 | 1.6 | 1.7 | 14 | 11.1 |
| SA 90S | 1.26 | 0.25 | 1397 | 682 | 0.0022 | 68.5 | 46.5 | 0.7 | 0.45 | 3.80 | 1.73 | 8.61 | 3.50 | 1.6 | 1.8 | 5.2 | 3.0 | 1.9 | 2.0 | 16 | 11.6 |
| SA 90L | 1.7 | 0.29 | 1398 | 680 | 0.0028 | 70.5 | 50.5 | 0.75 | 0.45 | 4.65 | 1.84 | 11.6 | 4.07 | 1.8 | 2.5 | 5.5 | 2.7 | 2.2 | 2.8 | 16 | 13.9 |
| SA 100L | 2.5 | 0.42 | 1398 | 688 | 0.0064 | 76.5 | 54.5 | 0.8 | 0.58 | 5.90 | 1.92 | 17.1 | 5.83 | 1.7 | 1.7 | 6.0 | 3.3 | 2.1 | 1.9 | 20 | 20.7 |
| SA 100L | 3.5 | 0.63 | 1401 | 687 | 0.0086 | 79.5 | 58.5 | 0.79 | 0.55 | 8.05 | 2.83 | 23.9 | 8.76 | 1.9 | 1.7 | 6.5 | 3.2 | 2.1 | 2.0 | 20 | 23 |
| SA 112M | 4.6 | 0.86 | 1420 | 693 | 0.0147 | 82.5 | 65.5 | 0.8 | 0.62 | 10.07 | 3.06 | 30.9 | 11.9 | 2.0 | 1.7 | 6.4 | 3.5 | 2.2 | 2.0 | 20 | 33.2 |
| SA 132S | 6.3 | 1.5 | 1420 | 696 | 0.0244 | 82.5 | 66.5 | 0.81 | 0.65 | 13.6 | 5.01 | 42.4 | 20.6 | 2.0 | 1.9 | 6.9 | 3.4 | 2.3 | 2.1 | 20 | 45.8 |
| SA 132M | 7.5 | 1.7 | 1419 | 699 | 0.028 | 84.5 | 67.5 | 0.81 | 0.63 | 15.8 | 5.78 | 50.5 | 23.2 | 2.1 | 1.9 | 7.4 | 3.7 | 2.3 | 2.2 | 20 | 49.3 |
| SA 132M | 8.5 | 2.1 | 1432 | 698 | 0.034 | 84.5 | 71.5 | 0.81 | 0.6 | 17.9 | 7.07 | 56.7 | 28.7 | 2.1 | 1.7 | 7.5 | 4.2 | 2.6 | 2.0 | 22 | 54.8 |
| SA 160MT | 10 | 2.5 | 1444 | 699 | 0.034 | 85.5 | 72.5 | 0.82 | 0.61 | 20.6 | 8.17 | 66.1 | 34.2 | 2.2 | 1.8 | 7.4 | 4.4 | 2.4 | 2.1 | 22 | 68.5 |
| SA 160M | 12.5 | 3.2 | 1455 | 710 | 0.039 | 85.5 | 72.5 | 0.82 | 0.7 | 25.8 | 9.1 | 82.1 | 43.0 | 2.1 | 1.5 | 6.8 | 4.6 | 2.0 | 1.5 | 22 | 69 |
| SA 160L | 15 | 3.5 | 1454 | 709 | 0.058 | 87.5 | 75.5 | 0.82 | 0.7 | 30.2 | 9.6 | 98.5 | 47.1 | 2.2 | 1.4 | 6.9 | 4.7 | 2.0 | 1.4 | 22 | 87 |
| SA 160L | 17.2 | 4 | 1454 | 716 | 0.058 | 88.5 | 77.5 | 0.86 | 0.71 | 32.7 | 10.5 | 113 | 53.4 | 2.2 | 1.6 | 6.9 | 4.4 | 2.0 | 1.6 | 22 | 108 |
| SA 180MT | 21 | 5.5 | 1455 | 716 | 0.08 | 88.5 | 79.5 | 0.86 | 0.71 | 39.9 | 14.1 | 138 | 73.4 | 2.2 | 1.4 | 6.8 | 4.9 | 2.0 | 1.4 | 22 | 117 |
| SA 180L | 25 | 6 | 1455 | 716 | 0.098 | 88.5 | 79.5 | 0.86 | 0.71 | 47.5 | 15.4 | 164 | 80.0 | 1.8 | 1.6 | 6.8 | 4.4 | 2.1 | 1.6 | 22 | 153 |
| SA 200LT | 34 | 8 | 1460 | 716 | 0.098 | 89.5 | 86.5 | 0.82 | 0.68 | 66.9 | 19.7 | 222 | 107 | 2.2 | 1.9 | 7.7 | 4.3 | 2.4 | 2.0 | 22 | 176 |
| SA 225ST | 42 | 10 | 1460 | 722 | 0.116 | 89.5 | 82.5 | 0.87 | 0.7 | 77.9 | 25.0 | 275 | 132 | 2.2 | 1.8 | 7.7 | 4.7 | 2.5 | 1.8 | 22 | 213 |
| SA 225MT | 52 | 12.5 | 1460 | 722 | 0.161 | 89.5 | 82.5 | 0.87 | 0.7 | 96.5 | 31.3 | 340 | 165 | 2.2 | 1.8 | 7.9 | 4.8 | 2.4 | 1.8 | 22 | 232 |
| SA 250MT | 57 | 13.5 | 1466 | 728 | 0.206 | 90.5 | 82.5 | 0.89 | 0.73 | 102 | 32.4 | 371 | 177 | 2.2 | 1.7 | 8.2 | 5.1 | 2.5 | 1.8 | 22 | 304 |
| SA 250MT | 64 | 16 | 1466 | 727 | 0.345 | 90.5 | 83.5 | 0.89 | 0.8 | 115 | 34.6 | 417 | 210 | 2.1 | 1.7 | 8.2 | 5.2 | 2.4 | 1.7 | 26 | 304 |
| SA 280ST | 69 | 17 | 1477 | 727 | 0.34 | 91.5 | 86.5 | 0.87 | 0.73 | 125 | 38.9 | 446 | 223 | 2.2 | 1.7 | 8.0 | 5.1 | 2.1 | 1.6 | 26 | 324 |
| SA 280MT | 86 | 22 | 1477 | 733 | 0.39 | 92.5 | 87.5 | 0.87 | 0.73 | 154 | 49.8 | 556 | 287 | 2.2 | 1.7 | 8.0 | 5.5 | 2.2 | 1.5 | 26 | 409 |
| SA 315ST | 104 | 25 | 1477 | 733 | 0.58 | 92.5 | 87.5 | 0.86 | 0.73 | 189 | 56.6 | 672 | 326 | 2.2 | 1.8 | 8.2 | 5.4 | 2.2 | 1.7 | 26 | 490 |
| SA 315M | 125 | 32 | 1483 | 739 | 0.58 | 92.5 | 87.5 | 0.87 | 0.73 | 224 | 72.4 | 805 | 414 | 2.3 | 1.8 | 8.4 | 6.8 | 2.6 | 1.8 | 30 | 618 |
| SA 315M | 152 | 38 | 1483 | 738 | 0.58 | 92.5 | 90.5 | 0.86 | 0.72 | 276 | 84.3 | 979 | 491 | 2.2 | 1.7 | 8.6 | 6.3 | 1.7 | 1.7 | 30 | 690 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità – due avvolgimenti separati

4-6 poli - 1.500-1.000 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

4-6 poles - 1.500-1.000 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|-------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | |
| | 4p | 6p | 4p | 6p | 4p | | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 71 | 0.21 | 0.058 | 1395 | 942 | 0.00039 | 50.5 | 35.5 | 0.65 | 0.55 | 0.92 | 0.43 | 1.44 | 0.59 | 1.1 | 1.3 | 2.8 | 2.2 | 1.3 | 1.4 | | 5.8 |
| SA 71 | 0.3 | 0.086 | 1402 | 954 | 0.00129 | 50.5 | 35.5 | 0.7 | 0.6 | 1.23 | 0.58 | 2.04 | 0.86 | 1.1 | 1.3 | 2.8 | 2.2 | 1.3 | 1.4 | | 6.5 |
| SA 80 | 0.45 | 1.14 | 1393 | 430 | 0.00164 | 63.5 | 55.5 | 0.71 | 0.69 | 1.44 | 4.30 | 3.08 | 25.32 | 1.2 | 0.1 | 3.4 | 51.9 | 1.4 | 0.1 | 14 | 7.4 |
| SA 80 | 0.63 | 0.21 | 1408 | 942 | 0.00256 | 63.5 | 57.5 | 0.72 | 0.69 | 1.99 | 0.76 | 4.27 | 2.13 | 1.4 | 1.3 | 3.9 | 3.5 | 1.6 | 1.4 | 16 | 9.5 |
| SA 90S | 0.92 | 0.33 | 1414 | 949 | 0.00354 | 73.5 | 60.5 | 0.74 | 0.7 | 2.44 | 1.13 | 6.21 | 3.32 | 1.5 | 1.2 | 5.1 | 3.6 | 1.7 | 1.3 | 16 | 13.2 |
| SA 90L | 1.3 | 0.44 | 1411 | 948 | 0.00505 | 73.5 | 60.5 | 0.77 | 0.7 | 3.32 | 1.50 | 8.80 | 4.43 | 1.4 | 1.2 | 5.3 | 3.6 | 1.7 | 1.3 | 20 | 15.2 |
| SA 100L | 2 | 0.7 | 1412 | 942 | 0.0087 | 73.5 | 61.5 | 0.85 | 0.77 | 4.63 | 2.14 | 13.5 | 7.10 | 1.2 | 1.1 | 5.2 | 4.0 | 1.6 | 1.5 | 20 | 19.1 |
| SA 100L | 2.4 | 0.86 | 1420 | 948 | 0.012 | 75.5 | 61.5 | 0.84 | 0.77 | 5.47 | 2.62 | 16.1 | 8.66 | 1.3 | 1.1 | 6.1 | 4.0 | 1.7 | 1.6 | 20 | 23 |
| SA 112MT | 3 | 0.92 | 1419 | 948 | 0.014 | 75.5 | 63.5 | 0.85 | 0.77 | 6.76 | 2.72 | 20.2 | 9.26 | 1.4 | 1.2 | 6.4 | 4.2 | 1.7 | 1.6 | 20 | 25.2 |
| SA 112M | 3.5 | 1 | 1436 | 956 | 0.015 | 78.5 | 70.5 | 0.8 | 0.7 | 8.05 | 2.93 | 23.3 | 9.99 | 1.6 | 1.3 | 6.7 | 5.2 | 1.9 | 1.7 | 20 | 36.2 |
| SA 132S | 4.2 | 1.4 | 1442 | 959 | 0.031 | 82.5 | 74.5 | 0.82 | 0.75 | 8.97 | 3.62 | 27.8 | 13.9 | 1.6 | 1.3 | 7.9 | 6.0 | 2.0 | 2.0 | 22 | 44.5 |
| SA 132M | 6.3 | 2 | 1443 | 959 | 0.041 | 83.5 | 74.5 | 0.82 | 0.76 | 13.3 | 5.10 | 41.7 | 19.9 | 1.6 | 1.3 | 8.9 | 6.0 | 2.1 | 2.1 | 22 | 51.5 |
| SA 160MT | 8.3 | 2.9 | 1442 | 959 | 0.054 | 84.5 | 77.5 | 0.83 | 0.76 | 17.1 | 7.12 | 54.9 | 28.9 | 1.6 | 1.3 | 8.1 | 6.3 | 2.3 | 2.1 | 22 | 68 |
| SA 160L | 11.5 | 3.8 | 1443 | 977 | 0.109 | 85.5 | 80.5 | 0.87 | 0.7 | 22.3 | 9.75 | 76.1 | 37.1 | 1.4 | 1.3 | 6.9 | 6.3 | 1.9 | 1.6 | 22 | 80 |
| SA 180MT | 18.4 | 6.3 | 1443 | 979 | 0.129 | 87.5 | 82.5 | 0.88 | 0.72 | 34.5 | 15.3 | 122 | 61.4 | 1.5 | 1.4 | 7.0 | 6.7 | 2.1 | 1.7 | 22 | 112 |
| SA 180LT | 22 | 7.5 | 1442 | 983 | 0.174 | 87.5 | 82.5 | 0.85 | 0.71 | 42.7 | 18.5 | 146 | 72.9 | 1.8 | 1.6 | 8.4 | 7.6 | 2.3 | 2.2 | 22 | 128 |
| SA 200LT | 30 | 11 | 1468 | 983 | 0.193 | 88.5 | 84.5 | 0.85 | 0.78 | 57.6 | 24.1 | 195 | 107 | 1.6 | 1.6 | 8.1 | 6.6 | 2.0 | 1.6 | 22 | 177 |
| SA 225ST | 39 | 13.8 | 1477 | 983 | 0.37 | 89.5 | 85.5 | 0.86 | 0.79 | 73.2 | 29.5 | 252 | 134 | 2.0 | 1.7 | 8.5 | 6.4 | 2.4 | 2.1 | 22 | 232 |
| SA 225MT | 46 | 16.7 | 1477 | 983 | 0.419 | 90.5 | 86.5 | 0.87 | 0.8 | 84.4 | 34.9 | 297 | 162 | 2.1 | 1.7 | 9.1 | 6.9 | 2.5 | 2.2 | 22 | 257 |
| SA 250MT | 60 | 21 | 1477 | 983 | 0.613 | 90.5 | 86.5 | 0.9 | 0.8 | 106 | 43.9 | 388 | 204 | 1.9 | 1.6 | 9.1 | 7.2 | 2.3 | 1.9 | 22 | 356 |
| SA 280ST | 80 | 29 | 1477 | 985 | 1.39 | 91.5 | 89.5 | 0.9 | 0.83 | 140 | 56.4 | 517 | 281 | 2.3 | 2.1 | 8.4 | 7.6 | 2.4 | 2.2 | 26 | 464 |
| SA 280MT | 84 | 34 | 1485 | 985 | 1.55 | 91.5 | 89.5 | 0.9 | 0.84 | 147 | 65.4 | 540 | 330 | 2.6 | 2.1 | 7.7 | 7.4 | 2.8 | 2.2 | 26 | 490 |
| SA 315M | 106 | 35 | 1483 | 988 | 3.09 | 91.5 | 90.5 | 0.85 | 0.74 | 197 | 75.5 | 683 | 338 | 2.1 | 2.0 | 8.1 | 8.6 | 2.3 | 2.1 | 30 | 660 |
| SA 315M | 125 | 38 | 1486 | 992 | 3.91 | 91.5 | 90.5 | 0.85 | 0.74 | 232 | 82.0 | 803 | 366 | 2.4 | 2.2 | 8.5 | 7.8 | 2.5 | 2.3 | 30 | 750 |
| SA 315M | 145 | 42 | 1486 | 992 | 4.32 | 92.5 | 90.5 | 0.86 | 0.74 | 263 | 91 | 932 | 404 | 1.8 | 2.0 | 7.8 | 6.8 | 2.1 | 2.2 | 30 | 820 |

Dati tecnici

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità – due avvolgimenti separati

6-8 poli - 1.000-750 giri/min

Technical data

F 300 - 300°C 60 min

F 300 - 300°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

6-8 poles - 1.000-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|-------|-------------------|-----|---------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 6p | 8p | 6p | 8p | 6p | | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 90S | 0.42 | 0.18 | 921 | 683 | 0.00303 | 63.5 | 52.5 | 0.72 | 0.67 | 1.33 | 0.74 | 4.36 | 2.52 | 1.2 | 1.1 | 3.4 | 2.5 | 1.6 | 1.4 | | 10.5 |
| SA 90L | 0.63 | 0.26 | 920 | 682 | 0.00455 | 64.5 | 54.5 | 0.73 | 0.7 | 1.93 | 0.98 | 6.54 | 3.64 | 1.3 | 1.2 | 3.6 | 2.6 | 1.6 | 1.5 | 14 | 13 |
| SA 90L | 0.86 | 0.37 | 920 | 692 | 0.00606 | 64.5 | 54.5 | 0.73 | 0.7 | 2.64 | 1.40 | 8.93 | 5.10 | 1.3 | 1.2 | 3.8 | 2.9 | 1.6 | 1.5 | 14 | 16 |
| SA 100L | 1 | 0.42 | 926 | 699 | 0.0087 | 66.5 | 59.5 | 0.74 | 0.7 | 2.94 | 1.46 | 10.31 | 5.74 | 1.3 | 1.2 | 4.1 | 3.3 | 1.7 | 1.5 | 16 | 18.8 |
| SA 100L | 1.3 | 0.55 | 929 | 698 | 0.012 | 67.5 | 60.5 | 0.76 | 0.72 | 3.66 | 1.82 | 13.4 | 7.52 | 1.3 | 1.2 | 4.5 | 3.5 | 1.6 | 1.6 | 16 | 22.7 |
| SA 112MT | 1.7 | 0.71 | 932 | 698 | 0.0141 | 70.5 | 62.5 | 0.76 | 0.72 | 4.59 | 2.28 | 17.4 | 9.71 | 1.4 | 1.3 | 4.6 | 3.7 | 1.7 | 1.6 | 20 | 25.2 |
| SA 112M | 2.2 | 0.92 | 936 | 704 | 0.0147 | 78.5 | 66.5 | 0.76 | 0.72 | 5.33 | 2.78 | 22.4 | 12.5 | 1.3 | 1.2 | 4.8 | 3.6 | 1.8 | 1.6 | 20 | 36.2 |
| SA 132S | 2.2 | 0.86 | 934 | 698 | 0.023 | 78.5 | 67.5 | 0.76 | 0.72 | 5.33 | 2.56 | 22.5 | 11.8 | 1.3 | 1.3 | 5.4 | 4.3 | 1.7 | 1.6 | 20 | 38 |
| SA 132S | 2.9 | 1.3 | 942 | 703 | 0.031 | 79.5 | 69.5 | 0.77 | 0.73 | 6.85 | 3.70 | 29.4 | 17.7 | 1.4 | 1.3 | 5.7 | 4.5 | 2.0 | 1.7 | 20 | 44.5 |
| SA 132M | 3.8 | 1.7 | 942 | 710 | 0.046 | 79.5 | 71.5 | 0.77 | 0.73 | 8.97 | 4.71 | 38.5 | 22.9 | 1.4 | 1.3 | 6.3 | 5.0 | 2.0 | 1.9 | 22 | 55 |
| SA 160MT | 5 | 2.2 | 943 | 709 | 0.054 | 79.5 | 72.5 | 0.78 | 0.73 | 11.7 | 6.01 | 50.6 | 29.6 | 1.4 | 1.3 | 6.2 | 5.2 | 2.0 | 1.9 | 22 | 67 |
| SA 160M | 6.3 | 2.7 | 948 | 716 | 0.077 | 82.5 | 78.5 | 0.82 | 0.73 | 13.5 | 6.81 | 63.4 | 36.0 | 1.4 | 1.5 | 6.2 | 6.1 | 2.0 | 2.1 | 22 | 69 |
| SA 160L | 8.6 | 3.8 | 954 | 715 | 0.109 | 83.5 | 80.5 | 0.84 | 0.74 | 17.7 | 9.22 | 86.1 | 50.7 | 1.4 | 1.5 | 6.2 | 6.1 | 2.0 | 2.1 | 22 | 86 |
| SA 180MT | 10 | 4.5 | 955 | 721 | 0.129 | 83.5 | 80.5 | 0.85 | 0.74 | 20.4 | 10.9 | 100 | 59.6 | 1.5 | 1.6 | 6.4 | 6.4 | 2.1 | 2.2 | 22 | 103 |
| SA 180LT | 12.5 | 5.5 | 955 | 721 | 0.154 | 83.5 | 80.5 | 0.85 | 0.75 | 25.5 | 13.2 | 125 | 72.8 | 1.5 | 1.6 | 6.8 | 6.7 | 2.1 | 2.2 | 22 | 115 |
| SA 200LT | 17 | 7.1 | 977 | 727 | 0.22 | 84.5 | 80.5 | 0.84 | 0.75 | 34.6 | 17.0 | 166 | 93.2 | 1.7 | 1.6 | 7.3 | 6.7 | 2.1 | 2.0 | 22 | 172 |
| SA 200LT | 21 | 8.6 | 977 | 733 | 0.3 | 85.5 | 80.5 | 0.84 | 0.75 | 42.3 | 20.6 | 205 | 112 | 1.7 | 1.6 | 7.8 | 6.7 | 2.2 | 2.0 | 22 | 209 |
| SA 225MT | 25 | 11 | 977 | 733 | 0.61 | 87.5 | 83.5 | 0.85 | 0.75 | 48.6 | 25.4 | 244 | 143 | 1.7 | 1.7 | 7.4 | 7.6 | 2.1 | 2.1 | 22 | 257 |
| SA 250MT | 30 | 12.65 | 983 | 733 | 0.9 | 87.5 | 83.5 | 0.84 | 0.73 | 59.0 | 30.0 | 292 | 165 | 1.8 | 2.0 | 7.3 | 6.7 | 2.2 | 2.2 | 22 | 313 |
| SA 250MT | 34.5 | 14.5 | 983 | 733 | 1.02 | 88.5 | 84.5 | 0.85 | 0.74 | 66.3 | 33.5 | 335 | 189 | 1.8 | 2.0 | 7.3 | 7.1 | 2.3 | 2.4 | 26 | 354 |
| SA 280ST | 38 | 16 | 983 | 736 | 1.75 | 89.5 | 86.5 | 0.85 | 0.78 | 72.2 | 34.3 | 369 | 208 | 1.9 | 1.9 | 6.7 | 6.3 | 2.3 | 2.1 | 26 | 424 |
| SA 280MT | 46 | 20 | 983 | 736 | 2 | 89.5 | 86.5 | 0.86 | 0.79 | 86.4 | 42.3 | 447 | 260 | 2.0 | 1.6 | 6.9 | 6.4 | 2.3 | 1.7 | 26 | 450 |
| SA 315ST | 55 | 23 | 983 | 736 | 2.43 | 90.5 | 86.5 | 0.86 | 0.79 | 102 | 48.6 | 534 | 298 | 2.1 | 1.7 | 6.9 | 6.5 | 2.4 | 1.9 | 30 | 518 |
| SA 315M | 63 | 27 | 986 | 739 | 3.23 | 91.5 | 90.5 | 0.86 | 0.78 | 116 | 55.3 | 610 | 349 | 1.9 | 1.8 | 6.9 | 6.7 | 1.7 | 1.6 | 30 | 590 |
| SA 315M | 75 | 32 | 988 | 739 | 3.62 | 92.5 | 91.5 | 0.86 | 0.79 | 136 | 64.0 | 725 | 414 | 1.9 | 1.7 | 6.9 | 6.3 | 1.7 | 1.5 | 30 | 635 |

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.37 | S1A 71-a | 0.44 | 2738 | 0.0004 | 71.5 | 0.78 | 1.14 | 1.53 | 1.7 | 3.1 | 1.7 | 10 | 5.7 |
| 0.55 | S1A 71-b | 0.66 | 2749 | 0.0005 | 71.5 | 0.78 | 1.71 | 2.29 | 1.9 | 3.5 | 2.0 | 10 | 6.7 |
| 0.75 | S1A 80-a | 0.9 | 2762 | 0.0012 | 76.5 | 0.79 | 2.15 | 3.11 | 1.7 | 3.4 | 1.8 | 14 | 8.1 |
| 1.1 | S1A 80-b | 1.3 | 2766 | 0.0017 | 76.7 | 0.79 | 3.10 | 4.49 | 1.8 | 3.7 | 1.8 | 14 | 9.7 |
| 1.5 | S1A 90S | 1.8 | 2789 | 0.0012 | 79 | 0.78 | 4.22 | 6.16 | 1.8 | 3.7 | 1.9 | 16 | 10.7 |
| 2.2 | S1A 90L | 2.6 | 2792 | 0.0019 | 81.5 | 0.76 | 6.07 | 8.89 | 1.8 | 3.8 | 1.9 | 16 | 12.7 |
| 3 | S1A 100L | 3.6 | 2802 | 0.0032 | 83.1 | 0.79 | 7.92 | 12.3 | 2.0 | 4.9 | 2.1 | 20 | 19.5 |
| 4 | S1A 112MT-a | 4.8 | 2815 | 0.0042 | 84.7 | 0.78 | 10.5 | 16.3 | 2.0 | 4.9 | 2.1 | 20 | 22.0 |
| 5.5 | S1A 112MT-b | 6.6 | 2842 | 0.0055 | 84 | 0.81 | 14.0 | 22.2 | 1.9 | 5.2 | 2.1 | 20 | 27.2 |
| 5.5 | S1A 132S-a | 6.6 | 2868 | 0.009 | 86.2 | 0.82 | 13.5 | 22.0 | 1.9 | 5.3 | 2.1 | 21 | 36.4 |
| 7.5 | S1A 132S-b | 9 | 2868 | 0.0113 | 87.5 | 0.82 | 18.1 | 30.0 | 1.9 | 5.3 | 2.1 | 21 | 40.0 |
| 9 | S1A 132M | 10.5 | 2885 | 0.015 | 86.5 | 0.83 | 21.1 | 34.8 | 1.9 | 5.4 | 2.1 | 21 | 45.5 |
| 11 | S1A 160MT-a | 13 | 2883 | 0.017 | 88.9 | 0.81 | 26.1 | 43.1 | 1.9 | 4.9 | 2.1 | 21 | 55 |
| 15 | S1A 160MT-b | 18 | 2908 | 0.023 | 89.9 | 0.82 | 35.3 | 59.1 | 2.0 | 5.0 | 2.1 | 21 | 65 |
| 18.5 | S1A 160L | 22 | 2922 | 0.043 | 90.5 | 0.82 | 42.8 | 71.9 | 2.0 | 5.2 | 2.1 | 21 | 87 |
| 22 | S1A 180MT | 26 | 2935 | 0.051 | 91 | 0.82 | 50.4 | 84.6 | 2.1 | 5.3 | 2.2 | 22 | 106 |
| 25 | S1A 180LT | 30 | 2934 | 0.059 | 90 | 0.83 | 58.0 | 97.6 | 2.0 | 5.3 | 2.2 | 22 | 112 |
| 30 | S1A 200LT-a | 36 | 2934 | 0.089 | 91.9 | 0.83 | 68.2 | 117 | 2.0 | 5.5 | 2.3 | 22 | 136 |
| 37 | S1A 200LT-b | 44 | 2948 | 0.111 | 92.5 | 0.83 | 82.8 | 143 | 2.0 | 5.5 | 2.3 | 22 | 156 |
| 45 | S1A 225MT | 54 | 2947 | 0.18 | 93 | 0.83 | 101 | 175 | 2.0 | 5.6 | 2.3 | 26 | 204 |
| 55 | S1A 250MT | 66 | 2960 | 0.283 | 93.5 | 0.84 | 121 | 213 | 2.1 | 5.7 | 2.3 | 26 | 273 |
| 75 | S1A 280ST | 90 | 2960 | 0.493 | 94.1 | 0.84 | 165 | 290 | 2.0 | 5.4 | 2.2 | 26 | 364 |
| 90 | S1A 280MT | 110 | 2963 | 0.587 | 94.4 | 0.85 | 198 | 354 | 2.2 | 6.1 | 2.5 | 26 | 399 |
| 110 | S1A 315ST | 132 | 2970 | 0.751 | 94 | 0.86 | 236 | 424 | 2.2 | 6.3 | 2.3 | 26 | 487 |
| 132 | S1A 315M | 160 | 2976 | 1.27 | 94 | 0.86 | 286 | 513 | 2.1 | 6.1 | 2.2 | 30 | 610 |
| 160 | S1A 315M | 190 | 2976 | 1.52 | 94 | 0.86 | 340 | 610 | 2.1 | 6.2 | 2.3 | 30 | 658 |
| 200 | S1A 315M | 240 | 2976 | 1.83 | 94.5 | 0.87 | 422 | 770 | 2.1 | 6.2 | 2.3 | 30 | 750 |
| 250 | S1A 355LT | 300 | 2976 | 2.29 | 94.5 | 0.87 | 527 | 963 | 1.8 | 6.3 | 2.0 | 30 | 885 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.25 | S1A 71-a | 0.3 | 1302 | 0.0004 | 68.5 | 0.63 | 1.00 | 2.20 | 1.5 | 2.6 | 1.5 | 10 | 5.4 |
| 0.37 | S1A 71-b | 0.45 | 1299 | 0.0005 | 69.5 | 0.65 | 1.44 | 3.31 | 1.5 | 2.6 | 1.5 | 10 | 6.7 |
| 0.55 | S1A 80-a | 0.66 | 1315 | 0.0012 | 72.5 | 0.68 | 1.93 | 4.79 | 1.7 | 3.3 | 1.7 | 14 | 8.1 |
| 0.75 | S1A 80-b | 0.9 | 1315 | 0.0017 | 73.5 | 0.71 | 2.49 | 6.53 | 1.7 | 3.3 | 1.7 | 14 | 9.5 |
| 1.1 | S1A 90S | 1.3 | 1344 | 0.0022 | 76.7 | 0.76 | 3.22 | 9.24 | 1.8 | 3.5 | 1.9 | 16 | 11.1 |
| 1.5 | S1A 90L | 1.8 | 1342 | 0.0028 | 79 | 0.75 | 4.39 | 12.8 | 1.7 | 3.4 | 1.9 | 16 | 13.4 |
| 2.2 | S1A 100L-a | 2.6 | 1383 | 0.005 | 81.5 | 0.77 | 5.99 | 18.0 | 1.5 | 3.5 | 1.7 | 20 | 17.7 |
| 3 | S1A 100L-b | 3.6 | 1381 | 0.006 | 83.1 | 0.78 | 8.03 | 24.9 | 1.5 | 3.4 | 1.7 | 20 | 20.2 |
| 4 | S1A 112MT | 4.8 | 1394 | 0.009 | 84.7 | 0.79 | 10.4 | 32.9 | 1.8 | 3.8 | 1.9 | 20 | 24.7 |
| 5.5 | S1A 132S | 6.6 | 1408 | 0.021 | 86.2 | 0.78 | 14.2 | 44.8 | 1.6 | 4.5 | 1.9 | 22 | 41 |
| 7.5 | S1A 132M-a | 9 | 1408 | 0.028 | 87.5 | 0.79 | 18.8 | 61.1 | 1.6 | 4.6 | 1.9 | 22 | 48.3 |
| 9 | S1A 132M-b | 11 | 1406 | 0.034 | 87.5 | 0.79 | 23.0 | 74.7 | 1.5 | 4.5 | 1.8 | 22 | 53.8 |
| 11 | S1A 160MT | 13 | 1455 | 0.039 | 88.9 | 0.81 | 26.1 | 85.3 | 2.0 | 4.5 | 2.0 | 22 | 66.5 |
| 15 | S1A 160L | 18 | 1454 | 0.08 | 89.9 | 0.8 | 36.2 | 118 | 2.0 | 4.6 | 2.0 | 22 | 86 |
| 18.5 | S1A 180MT | 22 | 1461 | 0.098 | 90.5 | 0.81 | 43.4 | 144 | 1.9 | 5.0 | 2.1 | 22 | 107 |
| 22 | S1A 180LT | 26 | 1461 | 0.12 | 91 | 0.81 | 51.0 | 170 | 1.9 | 5.0 | 2.1 | 22 | 115 |
| 30 | S1A 200LT | 36 | 1460 | 0.16 | 91.9 | 0.82 | 69.0 | 235 | 1.8 | 4.9 | 2.1 | 22 | 151 |
| 37 | S1A 225ST | 44 | 1474 | 0.31 | 92.5 | 0.81 | 84.9 | 285 | 2.0 | 5.4 | 2.2 | 22 | 198 |
| 45 | S1A 225MT-a | 54 | 1474 | 0.39 | 93 | 0.81 | 104 | 350 | 2.0 | 5.3 | 2.2 | 22 | 229 |
| 55 | S1A 250MT-b | 66 | 1474 | 0.51 | 93.5 | 0.82 | 124 | 428 | 1.9 | 5.5 | 2.0 | 26 | 280 |
| 75 | S1A 280ST | 90 | 1480 | 1.15 | 94.1 | 0.83 | 167 | 581 | 1.9 | 5.5 | 2.0 | 26 | 380 |
| 90 | S1A 280MT | 110 | 1482 | 1.31 | 94.4 | 0.83 | 203 | 709 | 2.1 | 5.5 | 2.2 | 26 | 407 |
| 110 | S1A 315ST | 132 | 1482 | 1.55 | 94.5 | 0.85 | 237 | 851 | 2.2 | 5.6 | 2.3 | 26 | 487 |
| 132 | S1A 315M-a | 160 | 1482 | 2.6 | 94.5 | 0.85 | 288 | 1031 | 1.8 | 5.1 | 2.2 | 30 | 620 |
| 160 | S1A 315M-b | 190 | 1482 | 3.5 | 94.5 | 0.85 | 342 | 1224 | 2.1 | 5.6 | 2.3 | 30 | 730 |
| 200 | S1A 315M-c | 240 | 1482 | 4.16 | 94.7 | 0.86 | 426 | 1546 | 2.2 | 5.7 | 2.3 | 30 | 872 |
| 250 | S1A 355LT | 300 | 1484 | 5 | 94.9 | 0.86 | 531 | 1930 | 2.3 | 5.8 | 1.9 | 30 | 1035 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.18 | S1A 71-a | 0.22 | 852 | 0.0011 | 54.5 | 0.59 | 0.99 | 2.47 | 1.3 | 2.1 | 1.4 | 10 | 5.5 |
| 0.22 | S1A 71-b | 0.26 | 857 | 0.0013 | 55.5 | 0.59 | 1.15 | 2.90 | 1.4 | 2.2 | 1.5 | 10 | 6.2 |
| 0.75 | S1A 90S | 0.45 | 941 | 0.0035 | 72.5 | 0.7 | 1.28 | 4.57 | 2.9 | 2.4 | 1.7 | 12 | 10.3 |
| 1.1 | S1A 90L | 1.3 | 883 | 0.0051 | 73.5 | 0.7 | 3.65 | 14.06 | 1.5 | 2.6 | 1.7 | 12 | 13 |
| 1.5 | S1A 100L | 1.8 | 894 | 0.0087 | 75.5 | 0.71 | 4.85 | 19.22 | 1.6 | 3.6 | 1.7 | 14 | 19.1 |
| 2.2 | S1A 112MT | 1.3 | 961 | 0.014 | 78.5 | 0.73 | 3.28 | 12.92 | 3.4 | 8.5 | 3.8 | 14 | 24.5 |
| 3 | S1A 132S | 3.6 | 934 | 0.023 | 80.5 | 0.76 | 8.50 | 36.8 | 1.5 | 4.2 | 1.7 | 16 | 38.2 |
| 4 | S1A 132M-a | 2.6 | 964 | 0.031 | 82.5 | 0.76 | 5.99 | 25.7 | 3.2 | 8.1 | 3.6 | 16 | 44.7 |
| 5.5 | S1A 132M-b | 6.6 | 934 | 0.041 | 83.5 | 0.76 | 15.03 | 67.5 | 1.7 | 4.5 | 2.0 | 20 | 51.5 |
| 7.5 | S1A 160MT | 9 | 947 | 0.054 | 85.5 | 0.78 | 19.5 | 90.7 | 1.6 | 4.5 | 2.0 | 20 | 68 |
| 11 | S1A 160L | 13 | 948 | 0.109 | 86.5 | 0.79 | 27.5 | 130.9 | 1.8 | 4.9 | 2.2 | 20 | 87 |
| 15 | S1A 180LT | 18 | 960 | 0.141 | 87.5 | 0.8 | 37.2 | 179.0 | 1.8 | 5.5 | 2.3 | 22 | 111 |
| 18.5 | S1A 200LT-a | 13 | 981 | 0.271 | 88.5 | 0.81 | 26.2 | 127 | 2.9 | 8.8 | 3.6 | 22 | 142 |
| 22 | S1A 200LT-b | 26 | 968 | 0.32 | 88.5 | 0.81 | 52.4 | 257 | 1.8 | 5.2 | 2.1 | 22 | 152 |
| 30 | S1A 225MT | 22 | 984 | 0.541 | 90.5 | 0.81 | 43.4 | 214 | 2.9 | 7.5 | 3.2 | 22 | 230 |
| 37 | S1A 250MT | 26 | 985 | 0.32 | 91.5 | 0.81 | 50.7 | 252 | 3.1 | 8.7 | 3.5 | 22 | 291 |
| 45 | S1A 280ST | 54 | 982 | 0.541 | 92.5 | 0.8 | 105.5 | 525 | 1.7 | 4.9 | 1.8 | 28 | 377 |
| 55 | S1A 280MT | 45 | 988 | 0.752 | 92.5 | 0.8 | 87.9 | 435 | 2.8 | 8.0 | 2.9 | 28 | 415 |
| 75 | S1A 315ST | 90 | 982 | 1.37 | 92.5 | 0.81 | 174 | 875 | 1.8 | 5.1 | 1.9 | 26 | 520 |
| 90 | S1A 315M-a | 110 | 985 | 1.68 | 93.5 | 0.81 | 210 | 1066 | 1.9 | 4.8 | 2.1 | 30 | 635 |
| 110 | S1A 315M-b | 132 | 983 | 2.37 | 93.5 | 0.81 | 252 | 1282 | 1.9 | 4.8 | 2.2 | 30 | 664 |
| 132 | S1A 315M-c | 160 | 983 | 2.7 | 93.8 | 0.81 | 304 | 1554 | 1.9 | 4.9 | 2.1 | 30 | 721 |
| 160 | S1A 315M-d | 190 | 985 | 2.7 | 94.5 | 0.81 | 359 | 1843 | 2.0 | 5.0 | 2.2 | 30 | 900 |
| 200 | S1A 355LT | 240 | 984 | 3.15 | 94.5 | 0.81 | 453 | 2328 | 2.0 | 5.0 | 2.2 | 30 | 1134 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE1 (IEC 60034-30-1-2015-04)

Isolamento classe F - Servizio S1 - 400 V - 50 Hz

8 poli - 750 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE1 Efficiency class (IEC 0034-30-1-2015-04)

Insulation class F - S1 Duty - 400 V - 50 Hz

8 poles - 750 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|----------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S1A (carcassa in alluminio) - S1A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.11 | SA 71 | 0.13 | 620 | 0.0011 | 44.5 | 0.54 | 0.78 | 2.00 | 1.1 | 1.5 | 1.2 | 7 | 5.7 |
| 0.15 | SA 71 | 0.18 | 618 | 0.0013 | 45 | 0.55 | 1.05 | 2.78 | 1.2 | 1.5 | 1.2 | 7 | 6.2 |
| 0.18 | S1A 80 | 0.22 | 642 | 0.0016 | 52.5 | 0.58 | 1.04 | 3.27 | 1.3 | 2.2 | 1.5 | 9 | 6.8 |
| 0.25 | S1A 80 | 0.3 | 644 | 0.0026 | 61.5 | 0.58 | 1.22 | 4.45 | 1.4 | 2.3 | 1.5 | 9 | 9.2 |
| 0.37 | S1A 90S | 0.45 | 656 | 0.003 | 64.5 | 0.61 | 1.65 | 6.55 | 1.3 | 2.4 | 1.5 | 10 | 9.8 |
| 0.55 | S1A 90L | 0.7 | 666 | 0.0045 | 67.5 | 0.61 | 2.46 | 10.04 | 1.3 | 2.4 | 1.4 | 10 | 12.5 |
| 0.75 | S1A 100L | 0.9 | 671 | 0.0087 | 68.5 | 0.62 | 3.06 | 12.8 | 1.5 | 2.6 | 1.6 | 12 | 18.3 |
| 1.1 | S1A 100L | 1.3 | 672 | 0.0109 | 70.5 | 0.62 | 4.30 | 18.5 | 1.5 | 2.6 | 1.6 | 12 | 20.5 |
| 1.5 | S1A 112MT | 1.8 | 684 | 0.0141 | 73.5 | 0.63 | 5.62 | 25.1 | 1.4 | 2.6 | 1.8 | 14 | 24 |
| 2.2 | S1A 132S | 2.7 | 689 | 0.0307 | 78.5 | 0.69 | 7.20 | 37.4 | 1.4 | 3.4 | 1.6 | 14 | 42 |
| 3 | S1A 132M | 3.7 | 696 | 0.0409 | 79.5 | 0.7 | 9.61 | 50.8 | 1.4 | 3.7 | 1.7 | 18 | 49 |
| 4 | S1A 160MT | 4.9 | 696 | 0.0537 | 80.5 | 0.71 | 12.4 | 67.2 | 1.5 | 3.7 | 1.5 | 18 | 65.5 |
| 5.5 | S1A 160M | 6.7 | 703 | 0.0772 | 82.5 | 0.71 | 16.5 | 91.0 | 1.5 | 3.9 | 1.6 | 20 | 66 |
| 7.5 | S1A 160L | 9 | 710 | 0.109 | 84.5 | 0.72 | 21.4 | 121 | 1.6 | 4.1 | 1.7 | 20 | 83.5 |
| 11 | S1A 180LT | 13 | 724 | 0.154 | 86.5 | 0.74 | 29.3 | 171 | 1.6 | 3.9 | 1.5 | 20 | 113 |
| 15 | S1A 200LT | 18 | 724 | 0.345 | 87.5 | 0.74 | 40.2 | 238 | 1.6 | 4.1 | 1.7 | 20 | 149 |
| 18.5 | S1A 225ST | 23 | 723 | 0.505 | 88.5 | 0.77 | 48.8 | 304 | 1.7 | 3.9 | 1.7 | 20 | 201 |
| 22 | S1A 225MT | 27 | 723 | 0.577 | 89.5 | 0.77 | 56.6 | 357 | 1.7 | 3.9 | 1.8 | 20 | 236 |
| 30 | S1A 250MT | 36 | 730 | 0.902 | 90.5 | 0.78 | 73.7 | 471 | 1.8 | 4.2 | 2.0 | 21 | 309 |
| 37 | S1A 280ST | 45 | 732 | 1.75 | 91 | 0.78 | 92 | 587 | 1.7 | 4.2 | 1.9 | 21 | 411 |
| 45 | S1A 280MT | 55 | 732 | 2.12 | 91.5 | 0.78 | 111 | 718 | 1.7 | 4.2 | 1.9 | 21 | 451 |
| 55 | S1A 315ST | 66 | 738 | 2.43 | 92.5 | 0.78 | 132 | 854 | 1.9 | 4.6 | 1.8 | 21 | 516 |
| 75 | S1A 315M | 90 | 738 | 3.1 | 93.5 | 0.78 | 178 | 1165 | 1.3 | 4.4 | 1.8 | 28 | 661 |
| 90 | S1A 315M | 110 | 738 | 3.52 | 94 | 0.78 | 217 | 1424 | 1.3 | 4.3 | 1.9 | 28 | 759 |
| 110 | S1A 315M | 132 | 738 | 4.4 | 94.3 | 0.78 | 259 | 1708 | 1.3 | 4.5 | 1.9 | 28 | 880 |
| 132 | S1A 315M | 160 | 738 | 5.1 | 94.5 | 0.78 | 314 | 2071 | 1.3 | 4.4 | 2.0 | 28 | 1035 |
| Serie S1S (carcassa in acciaio) - S1S Series (steel frame) | | | | | | | | | | | | | |
| 200 | S1S 355L-b | 240 | 740 | 10.5 | 95 | 0.79 | 462.1 | 3095 | 1.3 | 4.7 | 2.0 | 28 | 1570 |
| 250 | S1S 355L-c | 300 | 744 | 12.6 | 95 | 0.8 | 570.4 | 3850 | 1.3 | 4.7 | 2.0 | 28 | 1740 |
| 315 | S1S 355Lx-a | 378 | 744 | 28.9 | 95.5 | 0.78 | 733.3 | 4852 | 1.2 | 5.1 | 2.0 | 30 | 2490 |
| 355 | S1S 355Lx-b | 426 | 744 | 34 | 95.5 | 0.79 | 816.0 | 5468 | 1.3 | 5.1 | 2.1 | 30 | 2810 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 80-a | 0.9 | 2844 | 0.0004 | 77.9 | 0.78 | 2.14 | 3.02 | 1.9 | 3.8 | 2.0 | 10 | 9.3 |
| 1.1 | S2A 80-b | 1.32 | 2970 | 0.0005 | 80.1 | 0.78 | 3.05 | 4.24 | 2.2 | 4.6 | 2.3 | 10 | 10.9 |
| 1.5 | S2A 90S | 1.8 | 2796 | 0.0012 | 81.8 | 0.8 | 3.97 | 6.15 | 2.2 | 4.6 | 2.2 | 14 | 13.4 |
| 2.2 | S2A 90L | 1.3 | 2929 | 0.0017 | 83.7 | 0.8 | 2.81 | 4.24 | 4.4 | 9.9 | 4.4 | 14 | 15.4 |
| 3 | S2A 100L | 3.6 | 2856 | 0.0012 | 85.1 | 0.81 | 7.55 | 12.04 | 2.0 | 5.2 | 2.1 | 16 | 23.0 |
| 4 | S2A 112MTa | 4.8 | 2892 | 0.0019 | 86.3 | 0.81 | 9.92 | 15.85 | 1.9 | 5.7 | 2.2 | 16 | 27.2 |
| 5.5 | S2A 132S-a | 6.6 | 2856 | 0.0032 | 87.5 | 0.87 | 12.5 | 22.1 | 1.8 | 5.7 | 2.1 | 20 | 42.3 |
| 7.5 | S2A 132S-b | 9 | 2904 | 0.0042 | 87.5 | 0.87 | 17.1 | 29.6 | 1.9 | 5.8 | 2.2 | 20 | 48.5 |
| 11 | S2A 160M-a | 13 | 2923 | 0.0055 | 89.9 | 0.85 | 24.6 | 42.5 | 1.7 | 5.3 | 2.4 | 20 | 74.0 |
| 15 | S2A 160M-b | 18 | 2923 | 0.009 | 90.8 | 0.86 | 33.3 | 58.8 | 1.9 | 5.6 | 2.3 | 21 | 88.0 |
| 18.5 | S2A 160L | 22 | 2926 | 0.0113 | 91.4 | 0.86 | 40.4 | 71.8 | 2.0 | 6.1 | 2.4 | 21 | 108.0 |
| 22 | S2A 180MT | 26 | 2927 | 0.015 | 91.8 | 0.86 | 47.6 | 84.8 | 2.2 | 6.1 | 2.5 | 21 | 114.0 |
| 30 | S2A 200LT-a | 36 | 2934 | 0.017 | 92.5 | 0.88 | 63.9 | 117.2 | 1.7 | 5.8 | 2.3 | 21 | 159 |
| 37 | S2A 200LT-b | 45 | 2936 | 0.023 | 93 | 0.88 | 79.5 | 146.4 | 1.8 | 5.8 | 2.5 | 21 | 181 |
| 45 | S2A 225MT | 55 | 2951 | 0.043 | 93.4 | 0.87 | 97.8 | 178.0 | 2.1 | 6.1 | 2.5 | 21 | 219 |
| 55 | S2A 250MT | 66 | 2958 | 0.051 | 93.7 | 0.87 | 117 | 213.1 | 2.2 | 6.3 | 2.5 | 22 | 276 |
| 75 | S2A 280ST | 90 | 2958 | 0.059 | 94.3 | 0.87 | 159 | 290.5 | 2.0 | 6.0 | 2.3 | 22 | 402 |
| 90 | S2A 280MT | 110 | 2961 | 0.089 | 94.6 | 0.87 | 193 | 355 | 2.0 | 5.9 | 2.3 | 22 | 489 |
| 110 | S2A 315ST | 132 | 2964 | 0.111 | 94.8 | 0.87 | 231 | 425 | 2.2 | 6.3 | 2.3 | 22 | 547 |
| 132 | S2A 315Ma | 160 | 2848 | 0.18 | 95.1 | 0.87 | 279 | 536 | 1.6 | 5.8 | 1.9 | 26 | 684 |
| 160 | S2A 315Mb | 200 | 2844 | 0.283 | 95.3 | 0.87 | 349 | 672 | 1.5 | 5.6 | 1.8 | 26 | 756 |
| 200 | S2A 315Mc | 240 | 2850 | 0.493 | 95.5 | 0.87 | 417 | 804 | 1.7 | 5.8 | 1.9 | 26 | 852 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L | 300 | 2980 | 0.493 | 95.6 | 0.91 | 498 | 961 | 1.7 | 5.9 | 1.9 | 26 | 1175 |
| 280 | S2S 355L-a | 336 | 2976 | 1.493 | 95.6 | 0.91 | 558 | 1078 | 1.7 | 5.9 | 1.9 | 27 | 1255 |
| 315 | S2S 355L-b | 378 | 2976 | 2.493 | 95.6 | 0.91 | 628 | 1213 | 1.9 | 6.3 | 2.1 | 28 | 1575 |
| 355 | S2S 355Lx-a | 426 | 2976 | 3.493 | 95.6 | 0.9 | 715 | 1367 | 1.8 | 6.3 | 2.0 | 29 | 1840 |
| 400 | S2S 355Lx-b | 480 | 2982 | 4.493 | 95.7 | 0.9 | 805 | 1537 | 1.8 | 6.3 | 2.0 | 30 | 1970 |
| 450 | S2S 355Lx-c | 540 | 2982 | 5.493 | 95.7 | 0.9 | 906 | 1729 | 1.8 | 6.3 | 2.0 | 31 | 2120 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 80-b | 0.9 | 1332 | 0.0004 | 80.1 | 0.71 | 2.29 | 6.45 | 1.9 | 4.4 | 1.9 | 10 | 10.7 |
| 1.1 | S2A 90S | 1.3 | 1376 | 0.0005 | 81.9 | 0.79 | 2.90 | 9.02 | 1.9 | 3.2 | 2.1 | 10 | 13.9 |
| 1.5 | S2A 90L | 1.8 | 1380 | 0.0012 | 83.3 | 0.79 | 3.95 | 12.46 | 2.2 | 3.8 | 2.2 | 14 | 17.3 |
| 2.2 | S2A 100L-a | 2.6 | 1411 | 0.0017 | 84.8 | 0.78 | 5.68 | 17.59 | 1.7 | 4.4 | 1.9 | 14 | 20.7 |
| 3 | S2A 100L-b | 3.6 | 1410 | 0.0022 | 86 | 0.78 | 7.76 | 24.38 | 1.7 | 4.5 | 1.8 | 16 | 25.4 |
| 4 | S2A 112M | 4.8 | 1404 | 0.0028 | 87.1 | 0.78 | 10.21 | 32.6 | 2.0 | 4.4 | 2.1 | 16 | 34.2 |
| 5.5 | S2A 132S | 6.6 | 1442 | 0.005 | 88.2 | 0.78 | 13.86 | 43.7 | 1.5 | 4.8 | 2.1 | 20 | 47 |
| 7.5 | S2A 132M | 9 | 1447 | 0.006 | 89.2 | 0.79 | 18.46 | 59.4 | 1.7 | 5.0 | 2.2 | 20 | 57 |
| 9.2 | S2A 132 Mb | 11 | 1449 | 0.009 | 89.8 | 0.79 | 22.4 | 72.5 | 1.7 | 5.0 | 2.3 | 20 | 64.2 |
| 11 | S2A 160M | 13 | 1456 | 0.021 | 90.3 | 0.81 | 25.7 | 85.2 | 2.0 | 5.0 | 2.1 | 22 | 83.5 |
| 15 | S2A 160L | 18 | 1456 | 0.028 | 91.1 | 0.81 | 35.3 | 118.1 | 2.2 | 5.1 | 2.2 | 22 | 102 |
| 18.5 | S2A 180MT | 22 | 1458 | 0.034 | 91.7 | 0.81 | 42.8 | 144.0 | 2.1 | 5.0 | 2.1 | 22 | 123 |
| 22 | S2A 180L | 26 | 1459 | 0.039 | 92.1 | 0.84 | 48.6 | 170.2 | 1.9 | 5.1 | 2.2 | 22 | 152 |
| 30 | S2A 200LT | 36 | 1458 | 0.08 | 92.8 | 0.84 | 66.7 | 236 | 1.8 | 5.2 | 2.3 | 22 | 183 |
| 37 | S2A 225ST | 45 | 1464 | 0.098 | 93.2 | 0.84 | 83.1 | 294 | 2.1 | 5.8 | 2.4 | 22 | 227 |
| 45 | S2A 225M | 55 | 1468 | 0.12 | 93.6 | 0.85 | 99.9 | 358 | 2.1 | 6.2 | 2.4 | 22 | 259 |
| 55 | S2A 250MT | 66 | 1470 | 0.16 | 94 | 0.85 | 119.4 | 429 | 2.3 | 6.4 | 2.5 | 22 | 311 |
| 75 | S2A 280ST | 90 | 1476 | 0.31 | 94.5 | 0.85 | 161.9 | 582 | 2.2 | 5.8 | 2.2 | 22 | 403 |
| 90 | S2A 280MT | 110 | 1476 | 0.39 | 94.7 | 0.85 | 197 | 712 | 2.1 | 5.7 | 2.1 | 22 | 468 |
| 110 | S2A 315M-a | 132 | 1486 | 0.51 | 95 | 0.83 | 242 | 848 | 2.2 | 5.8 | 2.2 | 26 | 654 |
| 132 | S2A 315M-b | 160 | 1485 | 1.15 | 95.2 | 0.83 | 293 | 1029 | 2.1 | 5.9 | 2.1 | 26 | 726 |
| 160 | S2A 315M-c | 200 | 1485 | 1.31 | 95.4 | 0.85 | 356 | 1286 | 2.2 | 5.8 | 2.2 | 26 | 840 |
| 200 | S2A 315M-d | 240 | 1482 | 1.55 | 95.6 | 0.85 | 427 | 1546 | 2.3 | 6.0 | 2.3 | 26 | 1017 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S2S 355L-a | 300 | 1490 | 2.6 | 95.6 | 0.87 | 521 | 1922 | 1.2 | 5.4 | 2.0 | 30 | 1350 |
| 280 | S2S 355L-b | 330 | 1491 | 3.5 | 95.6 | 0.88 | 567 | 2114 | 1.2 | 5.5 | 2.0 | 30 | 1480 |
| 315 | S2S 355L-c | 380 | 1490 | 4.16 | 95.8 | 0.88 | 651 | 2435 | 1.2 | 5.4 | 2.0 | 30 | 1670 |
| 355 | S2S 355Lx-a | 420 | 1491 | 5 | 95.8 | 0.89 | 712 | 2691 | 1.1 | 5.8 | 2.4 | 30 | 1840 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE2 (IEC 60034-30-1-2015-04)

Alta efficienza

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE2 Efficiency class (IEC 0034-30-1-2015-04)

High Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S2A (carcassa in alluminio) - S2A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S2A 90S | 0.9 | 910 | 0.0004 | 76.4 | 0.64 | 2.66 | 9.44 | 2.1 | 3.8 | 2.4 | 10 | 13.2 |
| 1.1 | S2A 90L | 1.32 | 910 | 1.0004 | 78.6 | 0.68 | 3.57 | 13.85 | 2.3 | 4.4 | 2.5 | 10 | 16.2 |
| 1.5 | S2A 100L | 1.8 | 940 | 2.0004 | 80.3 | 0.69 | 4.69 | 18.29 | 1.8 | 4.0 | 2.1 | 12 | 24.5 |
| 2.2 | S2A 112M | 2.64 | 940 | 3.0004 | 82.3 | 0.69 | 6.72 | 26.82 | 1.8 | 5.2 | 2.2 | 12 | -0.5 |
| 3 | S2A 132S | 3.6 | 946 | 4.0004 | 83.8 | 0.7 | 8.87 | 36.34 | 1.8 | 4.4 | 2.3 | 14 | 45 |
| 4 | S2A 132M-a | 4.8 | 946 | 5.0004 | 85.1 | 0.7 | 11.64 | 48.45 | 1.9 | 5.2 | 2.4 | 14 | 52 |
| 5.5 | S2A 132M-b | 6.6 | 946 | 6.0004 | 86.5 | 0.71 | 15.53 | 66.62 | 2.0 | 5.0 | 2.5 | 16 | 68.2 |
| 7.5 | S2A 160M | 9 | 952 | 7.0004 | 87.7 | 0.76 | 19.51 | 90.27 | 2.2 | 5.7 | 2.5 | 16 | 87.2 |
| 11 | S2A 160L | 13.2 | 958 | 8.0004 | 89.2 | 0.76 | 28.14 | 131.57 | 2.2 | 6.3 | 2.5 | 20 | 113 |
| 15 | S2A 180LT | 18 | 964 | 9.0004 | 90.2 | 0.76 | 37.94 | 178.30 | 2.3 | 6.3 | 2.5 | 20 | 124 |
| 18.5 | S2A 200L-a | 22.2 | 976 | 10.0004 | 90.9 | 0.83 | 42.52 | 217.20 | 2.1 | 5.6 | 2.3 | 20 | 133 |
| 22 | S2A 200L-b | 26.4 | 976 | 11.0004 | 91.4 | 0.83 | 50.29 | 258.29 | 2.3 | 5.8 | 2.4 | 22 | 152 |
| 30 | S2A 225M | 36 | 976 | 12.0004 | 92.2 | 0.8 | 70.53 | 352.22 | 2.2 | 5.9 | 2.4 | 22 | 292 |
| 37 | S2A 250MT | 44.4 | 976 | 13.0004 | 92.7 | 0.8 | 86.52 | 434.40 | 2.2 | 5.9 | 2.4 | 22 | 329 |
| 45 | S2A 280ST | 54 | 982 | 14.0004 | 93.2 | 0.81 | 103.37 | 525.10 | 1.9 | 5.0 | 1.9 | 22 | 417 |
| 55 | S2A 280MT | 66 | 982 | 15.0004 | 93.6 | 0.81 | 125.80 | 641.79 | 2.0 | 5.1 | 1.9 | 22 | 486 |
| 75 | S2A 315ST | 90 | 982 | 16.0004 | 94.2 | 0.81 | 170.45 | 875.16 | 2.0 | 5.1 | 1.9 | 22 | 561 |
| 90 | S2A 315M-a | 108 | 986 | 17.0004 | 94.5 | 0.81 | 203.89 | 1046.36 | 2.0 | 5.5 | 2.3 | 22 | 666 |
| 110 | S2A 315M-b | 132 | 986 | 18.0004 | 94.8 | 0.81 | 248.41 | 1278.88 | 2.0 | 5.4 | 2.3 | 26 | 724 |
| 132 | S2A 315M-c | 158.4 | 986 | 19.0004 | 95.1 | 0.81 | 297.16 | 1534.66 | 2.3 | 5.8 | 2.4 | 26 | 903 |
| 160 | S2A 315M-d | 192 | 986 | 20.0004 | 95.3 | 0.81 | 359.43 | 1860.19 | 2.3 | 5.8 | 2.4 | 26 | 1092 |
| Serie S2S (carcassa in acciaio) - S2S Series (steel frame) | | | | | | | | | | | | | |
| 200 | S2A 355L | 240 | 988 | 20.0004 | 95.5 | 0.86 | 422.28 | 2319.60 | 1.6 | 4.7 | 1.8 | 30 | 1361 |
| 250 | S2A 355L-a | 300 | 988 | 20.0004 | 95.6 | 0.86 | 527.30 | 2899.49 | 1.8 | 4.7 | 1.8 | 30 | 1562 |
| 280 | S2A 355L-b | 336 | 988 | 20.0004 | 95.6 | 0.86 | 590.58 | 3247.43 | 1.8 | 4.9 | 1.9 | 30 | 1650 |
| 315 | S2A 355L-c | 378 | 988 | 20.0004 | 95.5 | 0.86 | 665.10 | 3653.36 | 1.0 | 4.7 | 1.9 | 30 | 1790 |
| 355 | S2A 355Lx-a | 426 | 988 | 20.0004 | 96 | 0.89 | 720.51 | 4117.28 | 1.2 | 5.0 | 2.1 | 30 | 2050 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

2 poli - 3.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

2 poles - 3.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 80-a | 0.9 | 2832 | 0.0004 | 81.2 | 0.84 | 1.91 | 3.03 | 2.2 | 6.3 | 2.3 | 10 | 10.9 |
| 1.1 | S3A 80-b | 1.32 | 2850 | 0.0005 | 83.2 | 0.85 | 2.70 | 4.42 | 2.3 | 4.4 | 2.3 | 10 | 12.9 |
| 1.5 | S3A 90S | 1.8 | 2924 | 0.0012 | 84.7 | 0.74 | 4.15 | 5.88 | 2.5 | 4.5 | 2.7 | 14 | 13.4 |
| 2.2 | S3A 90L | 2.6 | 2811 | 0.0017 | 86.4 | 0.83 | 5.24 | 8.83 | 2.5 | 5.1 | 2.5 | 14 | 15.4 |
| 3 | S3A 100L | 3.6 | 2880 | 0.0012 | 87.6 | 0.83 | 7.16 | 11.94 | 2.0 | 5.6 | 2.5 | 16 | 27.2 |
| 4 | S3A 112M | 4.8 | 2874 | 0.0019 | 88.6 | 0.83 | 9.43 | 15.95 | 1.9 | 5.7 | 2.5 | 16 | 32.2 |
| 5.5 | S3A 132S-b | 6.6 | 2892 | 0.0032 | 89.7 | 0.86 | 12.4 | 21.8 | 1.9 | 5.7 | 2.5 | 20 | 48.5 |
| 7.5 | S3A 132S-b | 9 | 2916 | 0.0055 | 90.6 | 0.86 | 16.7 | 29.5 | 1.8 | 5.9 | 2.5 | 20 | 51.0 |
| 11 | S3A 160M-a | 13.2 | 2936 | 0.009 | 91.7 | 0.87 | 23.9 | 42.9 | 2.3 | 6.9 | 2.8 | 21 | 88.0 |
| 15 | S3A 160M-b | 18 | 2936 | 0.0113 | 92.4 | 0.86 | 32.7 | 58.5 | 2.3 | 6.6 | 2.8 | 21 | 108.0 |
| 18.5 | S3A 160L | 22 | 2938 | 0.015 | 92.9 | 0.85 | 40.3 | 71.5 | 2.4 | 6.3 | 2.5 | 21 | 114.0 |
| 22 | S3A 180L-T | 26 | 2953 | 0.017 | 93.2 | 0.86 | 46.9 | 84.1 | 2.2 | 6.6 | 2.9 | 21 | 157 |
| 30 | S3A 200LT | 36 | 2952 | 0.023 | 93.8 | 0.87 | 63.7 | 116.5 | 2.2 | 6.5 | 2.9 | 21 | 181 |
| 37 | S3A 200L | 44 | 2958 | 0.043 | 94.2 | 0.87 | 77.6 | 142.0 | 2.2 | 6.5 | 2.8 | 21 | 217 |
| 45 | S3A 225MT | 54 | 2958 | 0.051 | 94.5 | 0.87 | 95 | 174.3 | 2.2 | 6.5 | 2.7 | 22 | 216 |
| 55 | S3A 250MT | 66 | 2964 | 0.059 | 94.8 | 0.87 | 116 | 212.6 | 2.3 | 6.3 | 2.5 | 22 | 324 |
| 75 | S3A 280ST | 90 | 2964 | 0.089 | 95.2 | 0.88 | 155 | 290 | 1.9 | 5.9 | 2.3 | 22 | 489 |
| 90 | S3A 280MT | 110 | 2963 | 0.111 | 95.5 | 0.88 | 189 | 354 | 2.1 | 6.1 | 2.5 | 22 | 544 |
| 110 | S3A 315S | 132 | 2968 | 0.18 | 95.7 | 0.88 | 227 | 425 | 1.6 | 5.7 | 2.0 | 26 | 742 |
| 132 | S3A 315Ma | 160 | 2967 | 0.283 | 95.9 | 0.88 | 274 | 515 | 1.7 | 5.8 | 2.0 | 26 | 802 |
| 160 | S3A 315Md | 200 | 2966 | 0.493 | 96.1 | 0.88 | 342 | 644 | 1.7 | 5.5 | 2.0 | 26 | 908 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S3S 355L-a | 300 | 2978 | 0.493 | 96.3 | 0.91 | 495 | 962 | 1.8 | 5.9 | 1.9 | 26 | 1540 |
| 280 | S3S 355L-b | 336 | 2980 | 1.493 | 96.3 | 0.91 | 554 | 1077 | 2.0 | 6.2 | 2.0 | 27 | 1700 |
| 315 | S3S 355Lx-a | 378 | 2982 | 2.493 | 96.3 | 0.91 | 623 | 1210 | 1.3 | 5.4 | 1.9 | 28 | 1770 |
| 355 | S3S 355Lx-b | 426 | 2982 | 3.493 | 96.3 | 0.91 | 702 | 1364 | 1.3 | 5.6 | 2.0 | 29 | 1870 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

4 poli - 1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

4 poles - 1.500 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 80-b | 0.9 | 1332 | 0.0019 | 83 | 0.71 | 2.21 | 6.45 | 1.9 | 4.5 | 1.9 | 10 | 10.7 |
| 1.1 | S3A 90S | 1.32 | 1414 | 0.0034 | 84.6 | 0.72 | 3.13 | 8.92 | 2.3 | 5.6 | 2.6 | 10 | 15.7 |
| 1.5 | S3A 90L | 1.8 | 1416 | 0.004 | 85.8 | 0.73 | 4.15 | 12.1 | 2.5 | 4.3 | 2.7 | 14 | 17.9 |
| 2.2 | S3A 100L-a | 2.6 | 1423 | 0.0083 | 87.2 | 0.73 | 5.90 | 17.4 | 2.3 | 5.4 | 2.9 | 14 | 25.7 |
| 3 | S3A 100L-b | 3.6 | 1410 | 0.0097 | 86 | 0.76 | 7.96 | 24.4 | 2.3 | 5.8 | 2.9 | 16 | 28.2 |
| 4 | S3A 112M | 4.8 | 1422 | 0.0198 | 89.1 | 0.76 | 10.2 | 32.2 | 2.3 | 5.7 | 2.5 | 16 | 47.2 |
| 5.5 | S3A 132sa | 6.6 | 1456 | 0.033 | 90.1 | 0.76 | 13.9 | 43.3 | 1.9 | 5.6 | 2.3 | 20 | 57 |
| 7.5 | S3A 132Ma | 9 | 1456 | 0.037 | 90.9 | 0.76 | 18.8 | 59.0 | 1.8 | 5.5 | 2.3 | 20 | 64 |
| 11 | S3A 160M | 13 | 1465 | 0.092 | 91.9 | 0.79 | 25.9 | 84.8 | 2.4 | 5.4 | 2.3 | 22 | 102 |
| 15 | S3A 160L | 18 | 1464 | 0.108 | 92.6 | 0.81 | 34.7 | 117 | 2.3 | 5.3 | 2.2 | 22 | 123 |
| 18.5 | S3A 180MT | 22 | 1464 | 0.117 | 93.1 | 0.78 | 43.8 | 143 | 2.4 | 5.3 | 2.2 | 22 | 131 |
| 22 | S3A 180L | 26 | 1466 | 0.194 | 93.5 | 0.8 | 50.2 | 169 | 2.4 | 6.3 | 2.7 | 22 | 177 |
| 30 | S3A 200L | 36 | 1465 | 0.373 | 94.1 | 0.83 | 66.6 | 235 | 2.3 | 6.2 | 2.5 | 22 | 227 |
| 37 | S3A 225ST | 45 | 1467 | 0.397 | 94.4 | 0.83 | 83.0 | 293 | 2.3 | 6.4 | 2.6 | 22 | 239 |
| 45 | S3A 225M | 54 | 1471 | 0.549 | 94.7 | 0.85 | 96.9 | 350 | 2.5 | 6.7 | 2.8 | 22 | 306 |
| 55 | S3A 250M | 66 | 1476 | 0.977 | 95.1 | 0.85 | 118 | 427 | 2.2 | 5.3 | 2.2 | 22 | 356 |
| 75 | S3A 280ST | 90 | 1476 | 1.486 | 95.5 | 0.85 | 160 | 582 | 2.3 | 5.4 | 2.2 | 22 | 470 |
| 90 | S3A 280MT | 110 | 1478 | 1.72 | 95.7 | 0.85 | 195 | 711 | 2.3 | 5.6 | 2.2 | 22 | 526 |
| 110 | S3A 315S | 132 | 1481 | 3.31 | 95.9 | 0.85 | 234 | 851 | 2.1 | 5.8 | 2.1 | 26 | 727 |
| 132 | S3A 315M-b | 160 | 1484 | 3.31 | 96 | 0.85 | 283 | 1029 | 2.0 | 5.8 | 2.1 | 26 | 723 |
| 160 | S3A 315M-c | 200 | 1481 | 3.97 | 96.3 | 0.85 | 353 | 1289 | 2.2 | 6.1 | 2.2 | 26 | 838 |
| 200 | S3A 315M-d | 240 | 1483 | 4.8 | 96.5 | 0.85 | 423 | 1545 | 2.3 | 6.8 | 2.4 | 26 | 1016 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 250 | S3A 355L-b | 300 | 1486 | 4.8 | 96.5 | 0.88 | 511 | 1928 | 2.2 | 5.9 | 2.1 | 20 | 1460 |
| 315 | S3A 355L-c | 380 | 1486 | 5.8 | 96.5 | 0.88 | 647 | 2443 | 2.2 | 5.8 | 2.1 | 20 | 1660 |
| 355 | S3A 355Lx-a | 430 | 1490 | 11.7 | 96.5 | 0.89 | 724 | 2755 | 1.7 | 5.1 | 2.0 | 30 | 1940 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Classe di efficienza IE3 (IEC 60034-30-1-2015-04)

Efficienza Premium

Isolamento classe F Sovratemperatura classe B

Servizio S1 - 400 V - 50 Hz

6 poli - 1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

IE3 Efficiency class (IEC 0034-30-1-2015-04)

Premium Efficiency

Insulation class F – Temperature rise class B

S1 Duty - 400 V - 50 Hz

6 poles - 1.000 rpm

| Potenza IEC Power | Tipo Type | Potenza Power | Velocità Speed | J | Rend. Eff. | Fattore di potenza Power factor | Corrente Current In (400 V) | Coppia nom. Nominal torque | Coppia di spunto Starting torque | Corrente di spunto Starting current | Coppia massima Max torque | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|--------------------|---------------|----------------|------------------|------------|---------------------------------|-----------------------------|----------------------------|----------------------------------|-------------------------------------|---------------------------|-----------------------------------|-------------------------------|
| kW | | kW | giri/min rpm | kgm ² | % | cosφ | A | Nm | Ca/Cn Tst/Tn | Ia/In Ist/In | Cmax/Cn Tmax/Tn | m/sec | kg |
| Serie S3A (carcassa in alluminio) - S3A Series (aluminium frame) | | | | | | | | | | | | | |
| 0.75 | S3A 90S | 0.9 | 911 | 0.006 | 79.4 | 0.65 | 2.52 | 9.43 | 2.3 | 3.8 | 2.4 | 10 | 10.7 |
| 1.1 | S3A 90L | 1.3 | 911 | 0.0072 | 81.5 | 0.67 | 3.44 | 13.62 | 2.5 | 4.4 | 2.7 | 10 | 13.3 |
| 1.5 | S3A 100L | 1.8 | 940 | 0.0134 | 83 | 0.67 | 4.68 | 18.29 | 2.0 | 2.4 | 1.7 | 12 | 24.5 |
| 2.2 | S3A 112M | 2.6 | 941 | 0.0242 | 84.8 | 0.7 | 6.33 | 26.39 | 1.9 | 2.6 | 1.7 | 12 | 43.5 |
| 3 | S3A 132S | 3.6 | 945 | 0.0389 | 86.1 | 0.73 | 8.28 | 36.38 | 1.8 | 5.1 | 2.3 | 14 | 52 |
| 4 | S3A 132M-a | 4.8 | 947 | 0.0511 | 87.3 | 0.74 | 10.74 | 48.39 | 1.9 | 5.0 | 2.4 | 14 | 68.5 |
| 5.5 | S3A 132M-b | 6.6 | 948 | 0.0584 | 88.5 | 0.74 | 14.56 | 66.5 | 2.0 | 5.2 | 2.5 | 16 | 76.2 |
| 7.5 | S3A 160M | 9 | 952 | 0.135 | 89.6 | 0.8 | 18.14 | 90.3 | 2.2 | 6.2 | 2.4 | 20 | 103 |
| 11 | S3A 160L | 13 | 959 | 0.159 | 90.8 | 0.78 | 26.5 | 129.5 | 2.3 | 6.8 | 2.5 | 20 | 124 |
| 15 | S3A 180L | 18 | 977 | 0.33 | 91.7 | 0.78 | 36.4 | 175.9 | 2.3 | 5.5 | 2.3 | 20 | 162 |
| 18.5 | S3A 200LT | 22 | 977 | 0.377 | 92.2 | 0.82 | 42.1 | 214.9 | 2.3 | 5.6 | 2.4 | 22 | 177 |
| 22 | S3A 200L-b | 26 | 979 | 0.483 | 92.7 | 0.82 | 49.4 | 254 | 2.4 | 5.9 | 2.5 | 22 | 207 |
| 30 | S3A 225M | 36 | 980 | 0.92 | 93.4 | 0.82 | 67.9 | 351 | 2.3 | 5.9 | 2.4 | 22 | 307 |
| 37 | S3A 250M | 45 | 990 | 1.72 | 93.8 | 0.81 | 85.6 | 434 | 2.3 | 5.8 | 2.0 | 22 | 336 |
| 45 | S3A 280ST | 54 | 992 | 0.32 | 94.2 | 0.81 | 102.3 | 520 | 2.5 | 6.6 | 2.1 | 22 | 431 |
| 55 | S3A 280MT | 66 | 982 | 0.541 | 94.6 | 0.81 | 124.5 | 642 | 2.5 | 6.2 | 2.3 | 22 | 510 |
| 75 | S3A 315S | 90 | 986 | 0.752 | 95.1 | 0.81 | 168.8 | 872 | 2.1 | 5.0 | 1.9 | 22 | 666 |
| 90 | S3A 315M-a | 110 | 987 | 1.37 | 95.4 | 0.81 | 206 | 1065 | 2.0 | 5.7 | 2.2 | 26 | 720 |
| 110 | S3A 315M-b | 132 | 987 | 1.68 | 95.6 | 0.81 | 246 | 1277 | 2.1 | 5.8 | 2.3 | 26 | 909 |
| 132 | S3A 315M-d | 160 | 987 | 2.37 | 95.9 | 0.81 | 298 | 1548 | 2.1 | 5.8 | 2.4 | 26 | 1090 |
| Serie S3S (carcassa in acciaio) - S3S Series (steel frame) | | | | | | | | | | | | | |
| 200 | S3S 355L-b | 240 | 988 | 2.7 | 96.3 | 0.86 | 419 | 2320 | 1.5 | 4.9 | 2.0 | 30 | 1564 |
| 250 | S3S 355L-c | 300 | 988 | 3.15 | 96.3 | 0.86 | 523 | 2899 | 1.6 | 5.0 | 2.1 | 30 | 1724 |
| 280 | S3S 355Lx-a | 330 | 991 | 4.7 | 96.3 | 0.83 | 597 | 3181 | 1.6 | 4.8 | 1.6 | 30 | 1930 |
| 315 | S3S 355Lx-b | 370 | 991 | 5.7 | 96.3 | 0.83 | 669 | 3567 | 1.6 | 4.8 | 1.6 | 30 | 2030 |
| 355 | S3S 355Lx-c | 430 | 990 | 6.7 | 96.3 | 0.83 | 777 | 4146 | 1.7 | 4.6 | 1.7 | 30 | 2170 |

I valori di rendimento sono calcolati in accordo con IEC 60034-2-1; 2007.

Efficiency values are given according to IEC 60034-2-1; 2007.

Dati tecnici

F 400 - 400°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

2-4 poli - 3.000-1.500 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

2-4 poles - 3.000-1.500 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|---|------------------|------|-------------------|------|--------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 2p | 4p | 2p | 4p | 2p | | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | 2p | 4p | | |
| Serie SA (carcassa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 80 | 1.1 | 0.29 | 2727 | 1369 | 0.0017 | 71.5 | 69.5 | 0.81 | 0.78 | 2.74 | 0.77 | 3.85 | 2.02 | 1.8 | 1.6 | 6.0 | 5.1 | 1.8 | 1.7 | 14.0 | 9.7 |
| SA 90S | 1.6 | 0.38 | 2730 | 1370 | 0.0022 | 71.5 | 69.5 | 0.82 | 0.81 | 3.94 | 0.98 | 5.60 | 2.65 | 1.4 | 1.5 | 5.3 | 4.7 | 1.6 | 1.7 | 14.0 | 11.6 |
| SA 90L | 2.1 | 0.42 | 2736 | 1372 | 0.0028 | 71.5 | 72.5 | 0.82 | 0.78 | 5.18 | 1.07 | 7.33 | 2.92 | 1.5 | 1.8 | 5.4 | 5.6 | 1.7 | 1.9 | 14.0 | 13.9 |
| SA 90L | 2.3 | 0.58 | 2739 | 1369 | 0.0032 | 72.5 | 73.5 | 0.81 | 0.8 | 5.66 | 1.43 | 8.02 | 4.05 | 1.6 | 1.7 | 5.5 | 5.4 | 1.8 | 1.9 | 14.0 | 14.5 |
| SA 100L | 1.8 | 0.47 | 2837 | 1407 | 0.0057 | 70.5 | 70.5 | 0.83 | 0.84 | 4.45 | 1.15 | 6.06 | 3.19 | 2.4 | 2.1 | 3.3 | 2.5 | 2.6 | 2.3 | 16.0 | 19.5 |
| SA 100L | 3.6 | 0.92 | 2754 | 1359 | 0.0071 | 73.5 | 70.5 | 0.83 | 0.86 | 8.53 | 2.19 | 12.5 | 6.47 | 1.6 | 1.4 | 6.2 | 5.6 | 1.7 | 1.6 | 16.0 | 21.6 |
| SA 112MT | 5 | 1.25 | 2776 | 1372 | 0.0092 | 79.5 | 71.5 | 0.82 | 0.84 | 11.1 | 3.01 | 17.2 | 8.70 | 1.6 | 1.4 | 6.4 | 5.8 | 1.8 | 1.6 | 20.0 | 26.4 |
| SA 132S | 6.8 | 1.7 | 2784 | 1390 | 0.0207 | 82.5 | 80.5 | 0.81 | 0.82 | 14.7 | 3.72 | 23.3 | 11.7 | 1.6 | 1.4 | 6.5 | 6.5 | 1.8 | 1.6 | 20.0 | 42 |
| SA 132M | 9.2 | 2.3 | 2791 | 1403 | 0.0282 | 84.5 | 82.5 | 0.81 | 0.82 | 19.4 | 4.91 | 31.5 | 15.6 | 1.6 | 1.4 | 7.3 | 7.1 | 1.8 | 1.6 | 20.0 | 49.3 |
| SA 160MT | 13.2 | 3.3 | 2791 | 1404 | 0.0395 | 86.5 | 85.5 | 0.82 | 0.83 | 26.9 | 6.72 | 45.2 | 22.4 | 1.6 | 1.5 | 8.3 | 8.1 | 1.8 | 1.6 | 21 | 68.5 |
| SA 160L | 18 | 4.4 | 2834 | 1420 | 0.08 | 87.5 | 87.5 | 0.84 | 0.87 | 35.4 | 8.35 | 60.7 | 29.6 | 1.8 | 1.8 | 7.8 | 7.2 | 1.9 | 1.9 | 21 | 87 |
| SA 180MT | 21 | 4.5 | 2854 | 1428 | 0.0978 | 87.5 | 88.5 | 0.84 | 0.85 | 41.3 | 8.64 | 70.3 | 30.1 | 2.1 | 2.3 | 8.5 | 9.1 | 2.2 | 2.4 | 22 | 108 |
| SA 180LT | 25 | 5 | 2865 | 1433 | 0.124 | 87.5 | 88.5 | 0.84 | 0.85 | 49.2 | 9.61 | 83.3 | 33.3 | 2.1 | 2.4 | 8.7 | 9.3 | 2.3 | 2.5 | 22 | 126 |
| SA 200LT | 34 | 6.7 | 2865 | 1433 | 0.18 | 88.5 | 88.5 | 0.86 | 0.87 | 64.6 | 12.6 | 113 | 44.6 | 1.8 | 2.1 | 9.2 | 9.8 | 2.0 | 2.1 | 22 | 167 |
| SA 225ST | 42 | 8.5 | 2871 | 1439 | 0.345 | 88.5 | 87.5 | 0.86 | 0.87 | 79.7 | 16.1 | 140 | 56.4 | 1.9 | 2.0 | 9.7 | 9.6 | 2.1 | 2.2 | 22 | 217 |
| SA 225MT | 50 | 10 | 2870 | 1439 | 0.419 | 88.5 | 87.5 | 0.86 | 0.87 | 94.9 | 19.0 | 166 | 66.4 | 1.9 | 2.0 | 9.7 | 9.9 | 2.1 | 2.1 | 26 | 247 |
| SA 250MT | 63 | 12.6 | 2875 | 1443 | 0.541 | 89.5 | 89.5 | 0.87 | 0.86 | 117 | 23.7 | 209 | 83.4 | 1.9 | 2.1 | 9.8 | 10.2 | 2.0 | 2.3 | 26 | 336 |
| SA 280ST | 76 | 17 | 2886 | 1449 | 1.23 | 90.5 | 91.5 | 0.87 | 0.87 | 139 | 30.9 | 251 | 112 | 1.9 | 2.1 | 9.9 | 10.1 | 2.0 | 2.2 | 26 | 409 |
| SA 280MT | 98 | 21 | 2886 | 1449 | 1.39 | 90.5 | 91.5 | 0.87 | 0.87 | 180 | 38.1 | 324 | 138 | 1.8 | 2.0 | 9.7 | 10.0 | 1.9 | 2.1 | 26 | 464 |
| SA 315M | 110 | 25 | 2904 | 1449 | 2.68 | 90.5 | 91.5 | 0.85 | 0.81 | 207 | 48.7 | 362 | 165 | 2.0 | 2.2 | 9.4 | 9.4 | 2.0 | 2.3 | 30 | 580 |
| SA 315M | 126 | 30 | 2906 | 1450 | 2.58 | 90.5 | 91.5 | 0.85 | 0.81 | 237 | 58.5 | 414 | 198 | 2.0 | 2.3 | 9.4 | 9.6 | 2.1 | 2.4 | 30 | 710 |

Dati tecnici

F 400 - 400°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità - avvolgimento unico

4-8 poli - 1.500-750 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - single winding

4-8 poles - 1.500-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|--|------------------|------|-------------------|-----|--------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 4p | 8p | 4p | 8p | 4p | | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | 4p | 8p | | |
| Serie SA (carcasa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 90S | 1.3 | 0.26 | 1361 | 663 | 0.0022 | 68.5 | 46.5 | 0.68 | 0.44 | 4.03 | 1.84 | 9.12 | 3.75 | 1.4 | 1.6 | 5.5 | 3.2 | 1.7 | 1.8 | 35 | 11.6 |
| SA 90L | 1.7 | 0.28 | 1366 | 667 | 0.0028 | 70.5 | 50.5 | 0.73 | 0.44 | 4.77 | 1.82 | 11.9 | 4.01 | 1.6 | 2.4 | 5.6 | 2.7 | 2.1 | 2.8 | 36 | 13.9 |
| SA 100L | 2.5 | 0.42 | 1366 | 672 | 0.0064 | 76.5 | 54.5 | 0.78 | 0.56 | 6.05 | 1.99 | 17.5 | 5.98 | 1.6 | 1.6 | 6.1 | 3.4 | 2.0 | 1.8 | 37 | 20.7 |
| SA 100L | 3.5 | 0.65 | 1368 | 668 | 0.0086 | 79.5 | 58.5 | 0.77 | 0.53 | 8.26 | 3.03 | 24.4 | 9.29 | 1.7 | 1.5 | 6.7 | 3.4 | 2.0 | 1.8 | 38 | 23 |
| SA 112M | 4.6 | 0.86 | 1386 | 677 | 0.0147 | 82.5 | 65.5 | 0.78 | 0.6 | 10.33 | 3.16 | 31.7 | 12.1 | 1.9 | 1.6 | 6.5 | 3.6 | 2.0 | 1.8 | 39 | 33.2 |
| SA 132S | 6.3 | 1.6 | 1387 | 677 | 0.0244 | 82.5 | 66.5 | 0.79 | 0.63 | 14.0 | 5.52 | 43.4 | 22.6 | 1.9 | 1.6 | 7.1 | 3.8 | 2.1 | 1.9 | 40 | 45.8 |
| SA 132M | 7.5 | 1.7 | 1386 | 683 | 0.028 | 84.5 | 67.5 | 0.79 | 0.61 | 16.2 | 5.97 | 51.7 | 23.8 | 1.9 | 1.7 | 7.6 | 3.8 | 2.2 | 2.1 | 41 | 49.3 |
| SA 132M | 8.6 | 2.1 | 1398 | 681 | 0.034 | 84.5 | 71.5 | 0.79 | 0.58 | 18.6 | 7.32 | 58.7 | 29.4 | 1.9 | 1.6 | 7.8 | 4.3 | 2.5 | 1.9 | 42 | 54.8 |
| SA 160MT | 10.5 | 2.6 | 1408 | 680 | 0.034 | 85.5 | 72.5 | 0.8 | 0.59 | 22.2 | 8.78 | 71.2 | 36.5 | 1.9 | 1.6 | 7.9 | 4.7 | 2.2 | 1.9 | 43 | 68.5 |
| SA 160M | 12.5 | 3.2 | 1422 | 694 | 0.039 | 85.5 | 72.5 | 0.8 | 0.68 | 26.4 | 9.38 | 84.0 | 44.0 | 2.0 | 1.4 | 7.0 | 4.7 | 1.9 | 1.4 | 44 | 69 |
| SA 160L | 15 | 3.5 | 1420 | 693 | 0.058 | 87.5 | 75.5 | 0.8 | 0.68 | 31.0 | 9.85 | 101 | 48.2 | 2.0 | 1.3 | 7.1 | 4.8 | 1.9 | 1.3 | 45 | 87 |
| SA 160L | 17 | 4 | 1422 | 700 | 0.058 | 88.5 | 77.5 | 0.83 | 0.69 | 33.4 | 10.8 | 114 | 54.6 | 2.1 | 1.5 | 7.0 | 4.5 | 1.9 | 1.5 | 46 | 108 |
| SA 180MT | 21 | 5.5 | 1422 | 700 | 0.08 | 88.5 | 79.5 | 0.83 | 0.69 | 41.3 | 14.5 | 141 | 75.1 | 2.1 | 1.3 | 7.0 | 5.0 | 1.9 | 1.3 | 47 | 117 |
| SA 180L | 25 | 6 | 1422 | 700 | 0.098 | 88.5 | 79.5 | 0.83 | 0.69 | 49.2 | 15.8 | 168 | 81.8 | 1.6 | 1.4 | 7.0 | 4.5 | 2.0 | 1.5 | 48 | 153 |
| SA 200LT | 35 | 8.2 | 1425 | 698 | 0.098 | 89.5 | 86.5 | 0.8 | 0.66 | 70.6 | 20.8 | 234 | 112 | 2.0 | 1.7 | 8.1 | 4.5 | 2.2 | 1.8 | 49 | 176 |
| SA 225ST | 42 | 10 | 1427 | 707 | 0.116 | 89.5 | 82.5 | 0.84 | 0.68 | 80.7 | 25.8 | 281 | 135 | 2.1 | 1.7 | 7.9 | 4.8 | 2.3 | 1.7 | 50 | 213 |
| SA 225MT | 52 | 13 | 1426 | 704 | 0.161 | 89.5 | 82.5 | 0.84 | 0.68 | 100 | 33.5 | 348 | 176 | 2.0 | 1.6 | 8.1 | 5.1 | 2.3 | 1.6 | 51 | 232 |
| SA 250MT | 57 | 14 | 1433 | 709 | 0.206 | 90.5 | 82.5 | 0.86 | 0.71 | 106 | 34.5 | 380 | 189 | 2.1 | 1.5 | 8.4 | 5.4 | 2.3 | 1.6 | 52 | 304 |
| SA 250MT | 65 | 16 | 1432 | 710 | 0.345 | 90.5 | 83.5 | 0.86 | 0.78 | 121 | 35.5 | 434 | 215 | 1.9 | 1.5 | 8.6 | 5.3 | 2.3 | 1.6 | 53 | 304 |
| SA 280ST | 69 | 17 | 1443 | 710 | 0.34 | 91.5 | 86.5 | 0.84 | 0.71 | 130 | 40.0 | 457 | 229 | 2.0 | 1.5 | 8.2 | 5.2 | 2.0 | 1.5 | 54 | 324 |
| SA 280MT | 86 | 22 | 1443 | 715 | 0.39 | 92.5 | 87.5 | 0.84 | 0.71 | 160 | 51.2 | 569 | 294 | 2.0 | 1.6 | 8.2 | 5.6 | 2.0 | 1.4 | 55 | 409 |
| SA 315ST | 104 | 25 | 1442 | 716 | 0.58 | 92.5 | 87.5 | 0.83 | 0.71 | 196 | 58.2 | 688. | 333. | 2.0 | 1.6 | 8.4 | 5.5 | 2.1 | 1.5 | 56 | 490 |
| SA 315M | 126 | 32 | 1448 | 721 | 0.58 | 92.5 | 87.5 | 0.84 | 0.71 | 234 | 74.4 | 830. | 423. | 2.1 | 1.7 | 8.7 | 7.0 | 2.5 | 1.6 | 57 | 618 |
| SA 315M | 150 | 37 | 1449 | 722 | 0.58 | 92.5 | 90.5 | 0.83 | 0.7 | 282 | 84.4 | 988. | 489. | 2.1 | 1.7 | 8.7 | 6.3 | 1.6 | 1.6 | 58 | 690 |

Dati tecnici

F 400 - 400°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità – due avvolgimenti separati

4-6 poli - 1.500-1.000 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

4-6 poles - 1.500-1.000 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|--|------------------|------|-------------------|-----|--------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | |
| | 4p | 6p | 4p | 6p | 4p | | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | 4p | 6p | | |
| Serie SA (carcasa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 100L | 2 | 0.6 | 1379 | 931 | 0.0087 | 73.5 | 61.5 | 0.82 | 0.75 | 4.80 | 1.88 | 13.9 | 6.15 | 1.1 | 1.2 | 5.3 | 3.5 | 1.5 | 1.7 | 62 | 19.1 |
| SA 100L | 2.4 | 0.8 | 1387 | 932 | 0.012 | 75.5 | 61.5 | 0.81 | 0.75 | 5.67 | 2.51 | 16.5 | 8.20 | 1.2 | 1.1 | 6.3 | 3.8 | 1.6 | 1.6 | 63 | 22.7 |
| SA 112MT | 3 | 0.85 | 1386 | 932 | 0.014 | 75.5 | 63.5 | 0.82 | 0.75 | 7.00 | 2.58 | 20.7 | 8.71 | 1.3 | 1.2 | 6.5 | 3.9 | 1.6 | 1.6 | 64 | 25.2 |
| SA 112M | 3.5 | 1 | 1402 | 934 | 0.015 | 78.5 | 70.5 | 0.78 | 0.68 | 8.26 | 3.01 | 23.8 | 10.2 | 1.5 | 1.2 | 6.9 | 5.4 | 1.7 | 1.6 | 65 | 36 |
| SA 132S | 4.1 | 1.4 | 1410 | 937 | 0.031 | 82.5 | 74.5 | 0.8 | 0.73 | 8.98 | 3.72 | 27.8 | 14.3 | 1.5 | 1.2 | 7.8 | 6.1 | 2.0 | 1.8 | 66 | 44.5 |
| SA 132M | 6.3 | 2 | 1410 | 936 | 0.041 | 83.5 | 74.5 | 0.8 | 0.74 | 13.6 | 5.24 | 42.7 | 20.4 | 1.5 | 1.2 | 9.1 | 6.2 | 2.0 | 2.0 | 67 | 51.5 |
| SA 160MT | 8.3 | 2.9 | 1409 | 937 | 0.054 | 84.5 | 77.5 | 0.81 | 0.74 | 17.5 | 7.31 | 56.3 | 29.5 | 1.5 | 1.2 | 8.3 | 6.5 | 2.2 | 2.0 | 68 | 67 |
| SA 160L | 11.5 | 3.7 | 1409 | 955 | 0.109 | 85.5 | 80.5 | 0.84 | 0.68 | 23.1 | 9.8 | 77.9 | 37.0 | 1.3 | 1.2 | 7.1 | 6.3 | 1.8 | 1.6 | 69 | 80 |
| SA 180MT | 18.5 | 6.4 | 1409 | 956 | 0.129 | 87.5 | 82.5 | 0.85 | 0.7 | 35.9 | 16.0 | 125 | 63.9 | 1.3 | 1.3 | 7.2 | 6.9 | 1.9 | 1.6 | 70 | 112 |
| SA 180LT | 22 | 7.5 | 1409 | 960 | 0.174 | 87.5 | 82.5 | 0.82 | 0.69 | 44.3 | 19.0 | 149 | 74.6 | 1.7 | 1.5 | 8.6 | 7.8 | 2.2 | 2.0 | 71 | 127 |
| SA 200LT | 30 | 10 | 1434 | 963 | 0.193 | 88.5 | 84.5 | 0.82 | 0.76 | 59.7 | 22.5 | 200 | 99 | 1.5 | 1.6 | 8.3 | 6.1 | 1.9 | 1.7 | 72 | 177 |
| SA 225ST | 39 | 13.8 | 1443 | 960 | 0.37 | 89.5 | 85.5 | 0.83 | 0.77 | 75.9 | 30.3 | 258 | 137 | 1.9 | 1.6 | 8.7 | 6.5 | 2.3 | 1.9 | 73 | 232 |
| SA 225MT | 46 | 16.7 | 1443 | 960 | 0.419 | 90.5 | 86.5 | 0.84 | 0.78 | 87.4 | 35.8 | 305 | 166 | 1.9 | 1.6 | 9.3 | 7.1 | 2.4 | 2.0 | 74 | 256 |
| SA 250MT | 60 | 20.8 | 1442 | 960 | 0.613 | 90.5 | 86.5 | 0.87 | 0.78 | 110 | 44.5 | 397 | 207 | 1.8 | 1.5 | 9.3 | 7.3 | 2.2 | 1.8 | 75 | 354 |
| SA 280ST | 80 | 28 | 1443 | 963 | 1.39 | 91.5 | 89.5 | 0.87 | 0.81 | 145 | 55.8 | 529 | 278 | 2.1 | 2.0 | 8.6 | 7.5 | 2.3 | 2.1 | 76 | 464 |
| SA 280MT | 95 | 34 | 1448 | 960 | 1.55 | 91.5 | 89.5 | 0.87 | 0.81 | 172 | 67.8 | 627 | 338 | 2.2 | 2.0 | 8.9 | 7.6 | 2.4 | 2.1 | 77 | 486 |
| SA 315M | 106 | 34 | 1448 | 965 | 3.09 | 91.5 | 90.5 | 0.82 | 0.72 | 204 | 75.4 | 699 | 337 | 1.9 | 1.9 | 8.3 | 8.6 | 2.1 | 2.0 | 78 | 660 |
| SA 315M | 126 | 38 | 1452 | 969 | 3.91 | 91.5 | 90.5 | 0.82 | 0.72 | 243 | 84.3 | 829 | 375 | 2.2 | 2.0 | 8.8 | 8.0 | 2.4 | 2.1 | 79 | 750 |
| SA 315M | 144 | 43 | 1452 | 969 | 4.32 | 92.5 | 90.5 | 0.83 | 0.72 | 271 | 95.4 | 947 | 424 | 1.7 | 1.8 | 7.9 | 7.1 | 1.9 | 2.0 | 80 | 820 |

Dati tecnici

F 400 - 400°C 120 min

IC 418

Servizio S1 - 400 V - 50 Hz

A due polarità – due avvolgimenti separati

6-8 poli - 1.000-750 giri/min

Technical data

F 400 - 400°C 120 min

IC 418

S1 Duty - 400 V - 50 Hz

Double polarity - two separate windings

6-8 poles - 1.000-750 rpm

| Tipo Type | Potenza Power | | Velocità Speed | | J | Rendimento Efficiency | | Fattore di potenza Power factor | | Corrente Current In (400 V) | | Coppia nom. Nom. torque | | Coppia di spunto Starting torque | | Corrente di spunto Starting current | | Coppia massima Max torque | | Velocità min. aria Min. air speed | Forma B3 Mount B3 Peso Weight |
|--|------------------|------|-------------------|-----|--------|--------------------------|------|---------------------------------------|------|--------------------------------------|------|----------------------------|------|---|-----------------|--|-----------------|------------------------------------|--------------------|--|--|
| | kW | | giri/min rpm | | | kgm ² | % | | cosφ | | A | | Nm | | Ca/Cn Tst/Tn | | Ia/In Ist/In | | Cmax/Cn Tmax/Tn | | m/sec |
| | 6p | 8p | 6p | 8p | 6p | | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | 6p | 8p | | |
| Serie SA (carcasa in alluminio) - SA Series (aluminium frame) | | | | | | | | | | | | | | | | | | | | | |
| SA 100L | 0.95 | 0.36 | 909 | 693 | 0.0087 | 66.5 | 59.5 | 0.72 | 0.68 | 2.87 | 1.29 | 9.98 | 4.96 | 1.3 | 1.3 | 4.0 | 2.9 | 1.6 | 1.6 | 85 | 18.8 |
| SA 100L | 1.2 | 0.5 | 914 | 689 | 0.012 | 67.5 | 60.5 | 0.74 | 0.7 | 3.47 | 1.71 | 12.5 | 6.93 | 1.3 | 1.2 | 4.3 | 3.2 | 1.6 | 1.6 | 86 | 22.7 |
| SA 112MT | 1.7 | 0.65 | 910 | 688 | 0.0141 | 70.5 | 62.5 | 0.74 | 0.7 | 4.71 | 2.15 | 17.8 | 9.02 | 1.3 | 1.3 | 4.7 | 3.4 | 1.6 | 1.7 | 87 | 25.2 |
| SA 112M | 2.2 | 0.9 | 914 | 689 | 0.0147 | 78.5 | 66.5 | 0.74 | 0.7 | 5.47 | 2.79 | 23.0 | 12.5 | 1.2 | 1.1 | 4.9 | 3.6 | 1.7 | 1.6 | 88 | 36.2 |
| SA 132S | 2.2 | 0.9 | 912 | 679 | 0.023 | 78.5 | 67.5 | 0.74 | 0.7 | 5.47 | 2.75 | 23.0 | 12.7 | 1.2 | 1.1 | 5.6 | 4.6 | 1.6 | 1.5 | 89 | 38 |
| SA 132S | 2.9 | 1.3 | 920 | 686 | 0.031 | 79.5 | 69.5 | 0.75 | 0.71 | 7.03 | 3.81 | 30.1 | 18.1 | 1.3 | 1.1 | 5.9 | 4.6 | 1.8 | 1.6 | 90 | 44.5 |
| SA 132M | 3.8 | 1.7 | 921 | 694 | 0.046 | 79.5 | 71.5 | 0.75 | 0.71 | 9.21 | 4.84 | 39.4 | 23.4 | 1.3 | 1.2 | 6.4 | 5.1 | 1.9 | 1.8 | 91 | 55 |
| SA 160MT | 5 | 2.2 | 922 | 693 | 0.054 | 79.5 | 72.5 | 0.76 | 0.71 | 12.0 | 6.18 | 51.8 | 30.3 | 1.3 | 1.2 | 6.3 | 5.4 | 1.9 | 1.8 | 92 | 67 |
| SA 160M | 6.3 | 2.7 | 927 | 699 | 0.077 | 82.5 | 78.5 | 0.8 | 0.71 | 13.8 | 7.00 | 64.9 | 36.9 | 1.3 | 1.4 | 6.4 | 6.3 | 1.9 | 1.9 | 93 | 69 |
| SA 160L | 8.6 | 3.8 | 932 | 699 | 0.109 | 83.5 | 80.5 | 0.81 | 0.72 | 18.4 | 9.47 | 88.1 | 51.9 | 1.3 | 1.4 | 6.4 | 6.3 | 1.9 | 1.9 | 94 | 86 |
| SA 180MT | 10 | 4.4 | 933 | 706 | 0.129 | 83.5 | 80.5 | 0.82 | 0.72 | 21.1 | 11.0 | 102 | 59.5 | 1.4 | 1.5 | 6.5 | 6.4 | 2.0 | 2.1 | 95 | 103 |
| SA 180LT | 10.5 | 4.6 | 944 | 713 | 0.154 | 83.5 | 80.5 | 0.82 | 0.73 | 22.2 | 11.3 | 106 | 61.6 | 1.6 | 1.7 | 5.8 | 5.7 | 2.4 | 2.5 | 96 | 115 |
| SA 200LT | 17 | 7 | 955 | 710 | 0.22 | 84.5 | 80.5 | 0.81 | 0.73 | 35.9 | 17.2 | 170 | 94.1 | 1.5 | 1.5 | 7.5 | 6.7 | 2.0 | 1.9 | 97 | 172 |
| SA 200LT | 21 | 8.6 | 954 | 716 | 0.3 | 85.5 | 80.5 | 0.81 | 0.73 | 43.8 | 21.1 | 210 | 115 | 1.5 | 1.4 | 8.0 | 6.8 | 2.0 | 1.9 | 98 | 209 |
| SA 225MT | 25 | 10.8 | 955 | 716 | 0.61 | 87.5 | 83.5 | 0.82 | 0.73 | 50.4 | 25.6 | 250 | 144 | 1.5 | 1.6 | 7.6 | 7.6 | 2.0 | 2.1 | 99 | 257 |
| SA 250MT | 30 | 13 | 960 | 715 | 0.9 | 87.5 | 83.5 | 0.81 | 0.71 | 61.2 | 31.7 | 299 | 174 | 1.7 | 1.8 | 7.5 | 7.0 | 2.0 | 2.0 | 100 | 313 |
| SA 250MT | 34.5 | 14.5 | 960 | 715 | 1.02 | 88.5 | 84.5 | 0.82 | 0.72 | 68.7 | 34.4 | 343 | 194 | 1.7 | 1.8 | 7.4 | 7.3 | 2.2 | 2.3 | 101 | 354 |
| SA 280ST | 38 | 16 | 960 | 719 | 1.75 | 89.5 | 86.5 | 0.82 | 0.76 | 74.8 | 35.2 | 378 | 212 | 1.8 | 1.8 | 6.9 | 6.5 | 2.1 | 2.0 | 102 | 424 |
| SA 280MT | 46 | 20 | 960 | 718 | 2 | 89.5 | 86.5 | 0.83 | 0.77 | 89.5 | 43.4 | 458 | 266 | 1.9 | 1.5 | 7.1 | 6.5 | 2.2 | 1.6 | 103 | 450 |
| SA 315ST | 55 | 23 | 960 | 719 | 2.43 | 90.5 | 86.5 | 0.83 | 0.77 | 106 | 49.9 | 547 | 305 | 2.0 | 1.6 | 7.1 | 6.6 | 2.3 | 1.8 | 104 | 518 |
| SA 315M | 62 | 25 | 964 | 723 | 3.23 | 91.5 | 90.5 | 0.83 | 0.76 | 118 | 52.5 | 614 | 330 | 1.8 | 1.8 | 6.9 | 6.3 | 1.6 | 1.6 | 105 | 590 |
| SA 315M | 73 | 28 | 966 | 725 | 3.62 | 92.5 | 91.5 | 0.83 | 0.77 | 137 | 57.4 | 721 | 369 | 1.8 | 1.9 | 6.9 | 5.6 | 1.7 | 1.6 | 106 | 635 |

Dimensioni d'ingombro

Overall dimensions

Le dimensioni d'ingombro sono in accordo con le Norme IEC 60072.
L'uscita d'albero e le dimensioni delle flange di accoppiamento sono realizzate con le seguenti tolleranze:

Overall dimensions are in accordance with the IEC 60072 Standards.
The shaft extensions and coupling flange dimensions are designed with the following fits:

| Simbolo Symbol | Dimensione Dimension | Tolleranza Tolerance |
|-------------------|-------------------------|-------------------------|
| D - DA | <30 | j6 |
| | >30 a 50 | k6 |
| | >50 | m6 |
| N | <250 | j6 |
| | >250 | h6 |
| F - FA | - | h9 |

Le flange di accoppiamento e i fori delle pulegge per le cinghie devono avere il foro con tolleranza H7.

Coupling flanges and holes for belt pulleys should have an ISO fit of at least H7.

Nella tabella sono indicate le tolleranze ammesse per le diverse altezze d'asse.

The deviations specified below are permitted for the dimensions shown in table.

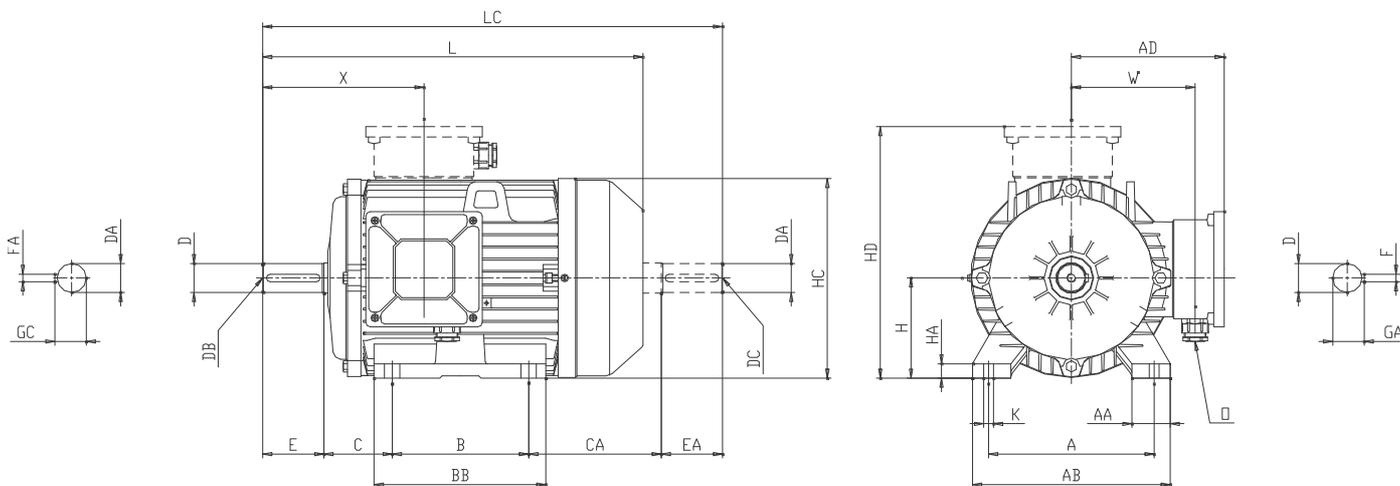
| Simbolo Symbol | Dimensione Dimension | Scostamento ammissibile Permitted deviation |
|-------------------|-------------------------|--|
| H | <250 | -0.5 |
| | >280 | -1 |

Dimensioni d'ingombro

Forma B3 - Grandezza 63-160T
Motori autoventilati (IC 411)

Overall dimensions

Mounting B3 - Frame size 63-160T
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|------|-----|----|-----|-----|----|-----|-------|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 63 | 2-4-6-8 | 100 | 28 | 128 | 95 | 80 | 103 | 40 | 73 | 63 | 7 | 125 | 158 | 6 | 212 | 239 | 86 | 68 | M16x1.5 |
| 71 | | 112 | 24 | 137 | 115 | 90 | 101 | 45 | 85.5 | 71 | 10 | 144 | 186 | 7 | 238 | 280.5 | 111 | 88 | M20x1.5 |
| 80 | | 125 | 30 | 155 | 126 | 100 | 122 | 50 | 93.5 | 80 | 10 | 164 | 206 | 9 | 274 | 323.5 | 113 | 96 | M20x1.5 |
| 90S | | 140 | 34 | 175 | 142 | 100 | 125 | 56 | 118 | 90 | 12 | 180 | 232 | 10 | 297 | 374 | 134 | 115 | M20x1.5 |
| 90L | | 140 | 34 | 175 | 142 | 125 | 150 | 56 | 118 | 90 | 12 | 180 | 232 | 10 | 322 | 399 | 134 | 115 | M20x1.5 |
| 100L | | 160 | 37 | 198 | 155 | 140 | 173 | 63 | 107 | 100 | 14 | 205 | 255 | 12 | 361 | 430 | 160 | 123 | M25x1.5 |
| 112MT | | 190 | 38 | 224 | 155 | 140 | 178 | 70 | 100 | 112 | 15 | 217 | 267 | 12 | 361 | 430 | 160 | 123 | M25x1.5 |
| 112M | | 190 | 38 | 228 | 170 | 140 | 172 | 70 | 114 | 112 | 17 | 222 | 282 | 13 | 380 | 444 | 157 | 140 | M25x1.5 |
| 132S | | 216 | 50 | 258 | 200 | 140 | 225 | 89 | 167 | 132 | 19 | 264 | 332 | 13 | 470 | 556 | 198 | 162 | M25x1.5 |
| 132M | | 216 | 50 | 258 | 200 | 178 | 225 | 89 | 173 | 132 | 19 | 264 | 332 | 13 | 496 | 600 | 198 | 162 | M25x1.5 |
| 160MT | | 254 | 60 | 292 | 215 | 210 | 250 | 108 | 165 | 160 | 18 | 290 | 375 | 14 | 570 | 673 | 275 | 170 | M32x1.5 |

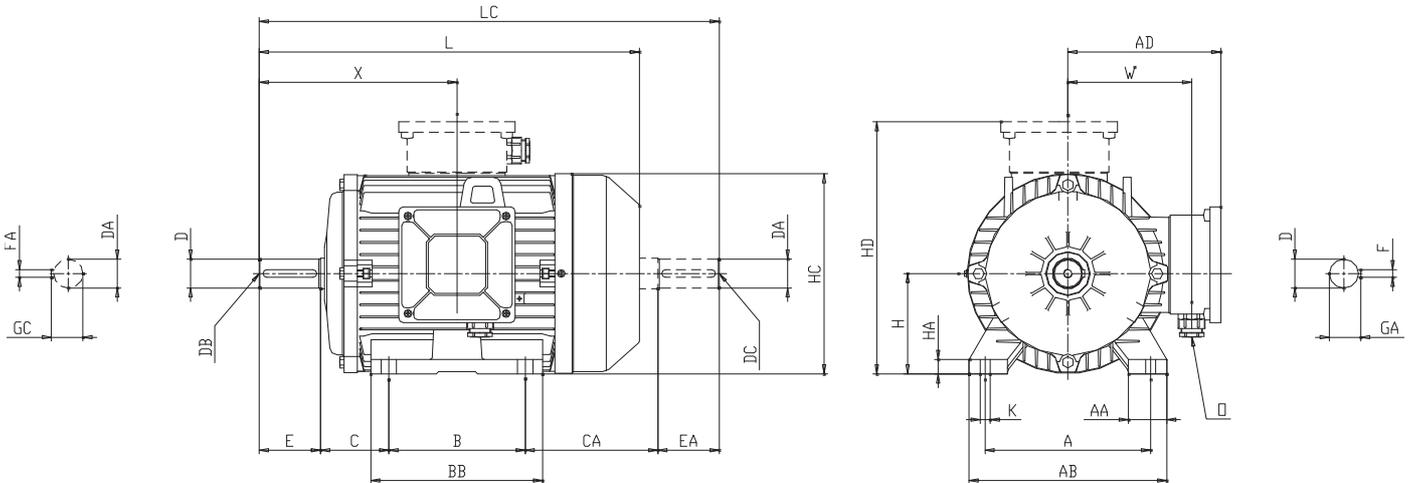
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|----------|---------------------------|----|----|------|----------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 63 | 2-4-6-8 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 14 j6 | 30 | 5 | 16 | M5x0.8 | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 19 j6 | 40 | 6 | 21.5 | M6x1 | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112MT | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 42 k6 | 110 | 12 | 45 | M16x2 | 38 k6 | 80 | 10 | 41 | M12x1.75 |

Dimensioni d'ingombro

Overall dimensions

Forma B3 - Grandezza 160÷200
Motori autoventilati (IC 411)

Mounting B3 - Frame size 160÷200
Self-ventilated motors (IC 411)

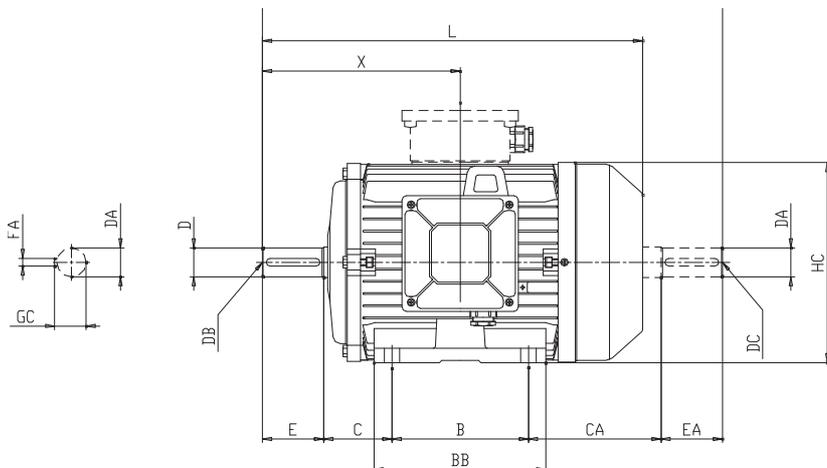


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 160M | 2-4-6-8 | 254 | 67 | 315 | 245 | 210 | 332 | 108 | 227 | 160 | 20 | 325 | 405 | 14 | 650 | 765 | 345 | 195 | M40x1.5 |
| 160L | | 254 | 67 | 315 | 245 | 254 | 332 | 108 | 183 | 160 | 20 | 325 | 405 | 14 | 650 | 765 | 345 | 195 | M40x1.5 |
| 180MT | | 279 | 80 | 350 | 245 | 241 | 320 | 121 | 242 | 180 | 22 | 340 | 425 | 14 | 690 | 824 | 370 | 195 | M40x1.5 |
| 180LT | | 279 | 80 | 350 | 245 | 279 | 320 | 121 | 204 | 180 | 22 | 340 | 425 | 14 | 690 | 824 | 370 | 195 | M40x1.5 |
| 180L | | 279 | 80 | 350 | 275 | 279 | 320 | 121 | 226 | 180 | 22 | 360 | 450 | 14 | 725 | 846 | 370 | 221 | M40x1.5 |
| 200LT | | 318 | 90 | 395 | 275 | 305 | 365 | 133 | 247 | 200 | 24 | 380 | 475 | 18 | 750 | 905 | 400 | 215 | M40x1.5 |
| 200L | | 318 | 90 | 395 | 315 | 305 | 365 | 133 | 247 | 200 | 24 | 405 | 505 | 18 | 780 | 905 | 400 | 255 | M50x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 160M | 2-4-6-8 | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 160L | | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 180MT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180LT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180L | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 200LT | | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| 200L | | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 M6 | 110 | 16 | 59 | M20x2.5 |

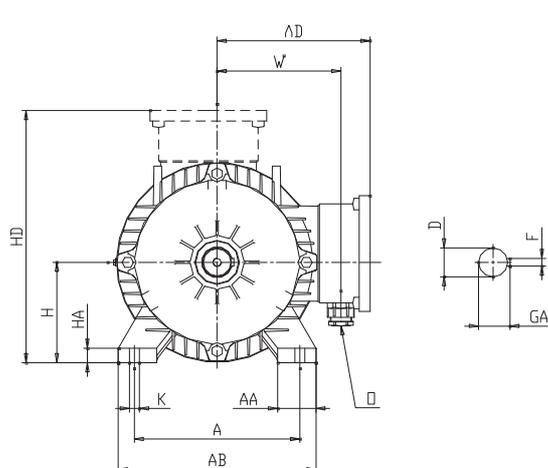
Dimensioni d'ingombro

Forma B3 - Grandezza 225T÷280T
Motori autoventilati (IC 411)



Overall dimensions

Mounting B3 - Frame size 225T÷280T
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|------|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 225ST | 4-6-8 | 356 | 80 | 436 | 315 | 286 | 370 | 149 | 270 | 225 | 30 | 420 | 515 | 18 | 830 | 985 | 445 | 245 | M50x1.5 |
| 225MT | 2 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 245 | 225 | 30 | 420 | 515 | 18 | 800 | 925 | 415 | 245 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 245 | 225 | 30 | 420 | 515 | 18 | 830 | 985 | 445 | 245 | M50x1.5 |
| 225M | 2 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 285 | 225 | 30 | 450 | 560 | 18 | 840 | 965 | 415 | 280 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 285 | 225 | 30 | 450 | 560 | 18 | 870 | 1025 | 445 | 280 | M50x1.5 |
| 250MT | 2 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 264 | 250 | 32 | 480 | 580 | 22 | 905 | 1061 | 485 | 270 | M50x1.5 |
| | 4-6-8 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 264 | 250 | 32 | 480 | 580 | 22 | 905 | 1061 | 485 | 270 | M50x1.5 |
| 280ST | 2 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 332 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 332 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |
| 280MT | 2 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 281 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 281 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |

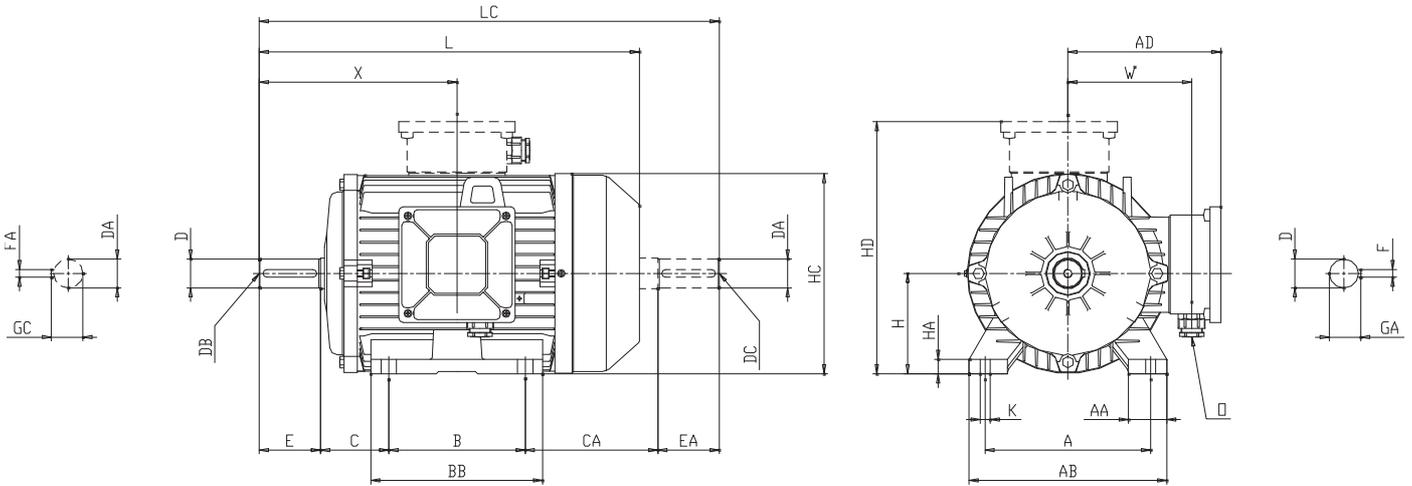
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 225ST | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225MT | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225M | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 250MT | 2 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| | 4-6-8 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| 280ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| 280MT | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |

Dimensioni d'ingombro

Overall dimensions

Forma B3 - Grandezza 315T÷355T
Motori autoventilati (IC 411)

Mounting B3 - Frame size 315T÷355T
Self-ventilated motors (IC 411)

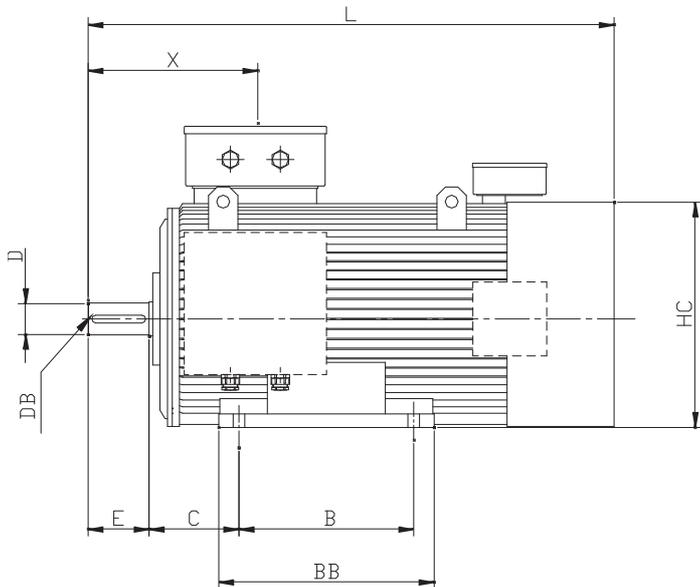


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|-----------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|------|-----|----|-----|-----|----|------|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 315ST | 2 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 293 | 315 | 38 | 575 | 715 | 27 | 1050 | 1195 | 560 | 320 | M63x1.5 |
| | 4-6-8 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 293 | 315 | 38 | 575 | 715 | 27 | 1080 | 1255 | 590 | 320 | M63x1.5 |
| 315M a-b-c-d | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 352 | 315 | 42 | 620 | 785 | 27 | 1150 | 1305 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | 1180 | | | | | | 1365 | 612 | | | |
| 315M e-f-g | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 352 | 315 | 42 | 620 | 785 | 27 | 1150 | 1305 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | 457 | | | | | | 1280 | 1470 | 612 | | |
| 355LT | 2 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 390 | 355 | 50 | 660 | 825 | 27 | 1375 | 1554 | 710 | 390 | N.2 M63x1.5 |
| | 4-6-8 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 390 | 355 | 50 | 660 | 825 | 27 | 1445 | 1654 | 780 | 390 | N.2 M63x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|-----------------------|---------------|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 315ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 315M a-b-c-d-e-f-g | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 355LT | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 | 90 m6 | 170 | 25 | 95 | M24x3 |

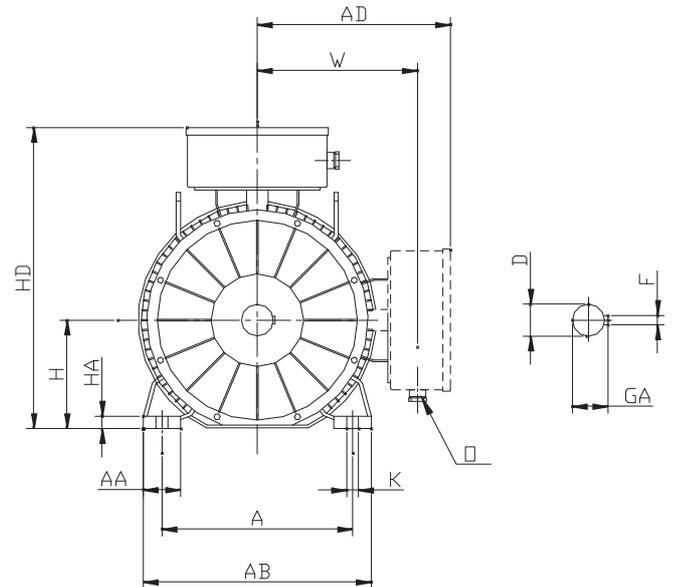
Dimensioni d'ingombro

Forma B3 - Grandezza 355L÷355Lx
Motori autoventilati (IC 411)



Overall dimensions

Mounting B3 - Frame size 355L÷355Lx
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|------------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 355L a-b-c | 2 | 610 | 120 | 730 | 545 | 630 | 700 | 254 | 355 | 35 | 690 | 900 | 27 | 1470 | 495 | 450 | N.2 M63x1.5 |
| | 1540 | | | | | | | | | | | | | 565 | | | |
| 355Lx a-b-c-d | 4-6-8 | 610 | 120 | 730 | 615 | 630 | 700 | 254 | 355 | 35 | 750 | 970 | 27 | 1770 | 570 | 515 | N.2 M63x1.5 |

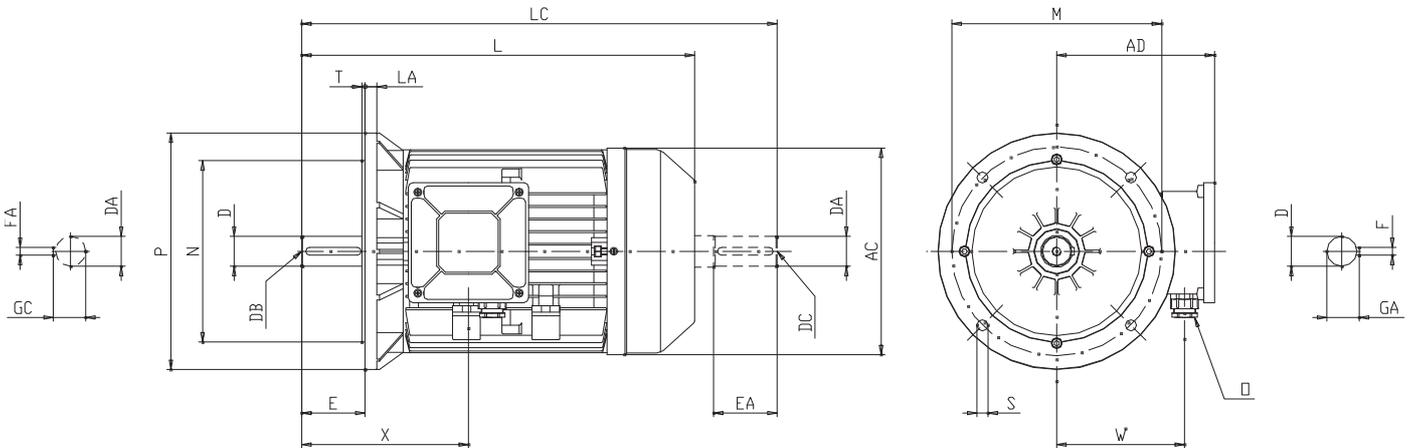
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|------------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 355L a-b-c | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |
| 355Lx a-b-c-d | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |

Dimensioni d'ingombro

Overall dimensions

Forma B5 - Grandezza 63÷160T
 Forma V1 - Grandezza 63÷160T
 Motori autoventilati (IC 411)

Mounting B5 - Frame size 63÷160T
 Mounting V1 - Frame size 63÷160T
 Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|----|-------|-----|--------|-----|------------|-----|-----|-----|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 63 | 2-4-6-8 | 125 | 95 | 212 | 10 | 239 | 115 | 95 j6 | 140 | N.4 x 9.5 | 3 | 86 | 68 | M16x1.5 |
| 71 | | 148 | 115 | 238 | 10 | 280.5 | 130 | 110 j6 | 160 | N.4 x 9.5 | 3.5 | 111 | 88 | M20x1.5 |
| 80 | | 170 | 126 | 274 | 12 | 323.5 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 113 | 96 | M20x1.5 |
| 90S | | 185 | 142 | 297 | 12 | 374 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 134 | 115 | M20x1.5 |
| 90L | | 185 | 142 | 322 | 12 | 399 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 134 | 115 | M20x1.5 |
| 100L | | 210 | 155 | 361 | 14 | 430 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 160 | 123 | M25x1.5 |
| 112MT | | 210 | 155 | 361 | 14 | 430 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 160 | 123 | M25x1.5 |
| 112M | | 225 | 166 | 380 | 14 | 444 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 157 | 140 | M25x1.5 |
| 132S | | 260 | 200 | 470 | 14 | 556 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 198 | 162 | M25x1.5 |
| 132M | | 260 | 200 | 496 | 14 | 600 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 198 | 162 | M25x1.5 |
| 160MT | | 260 | 215 | 570 | 15 | 673 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 275 | 170 | M32x1.5 |

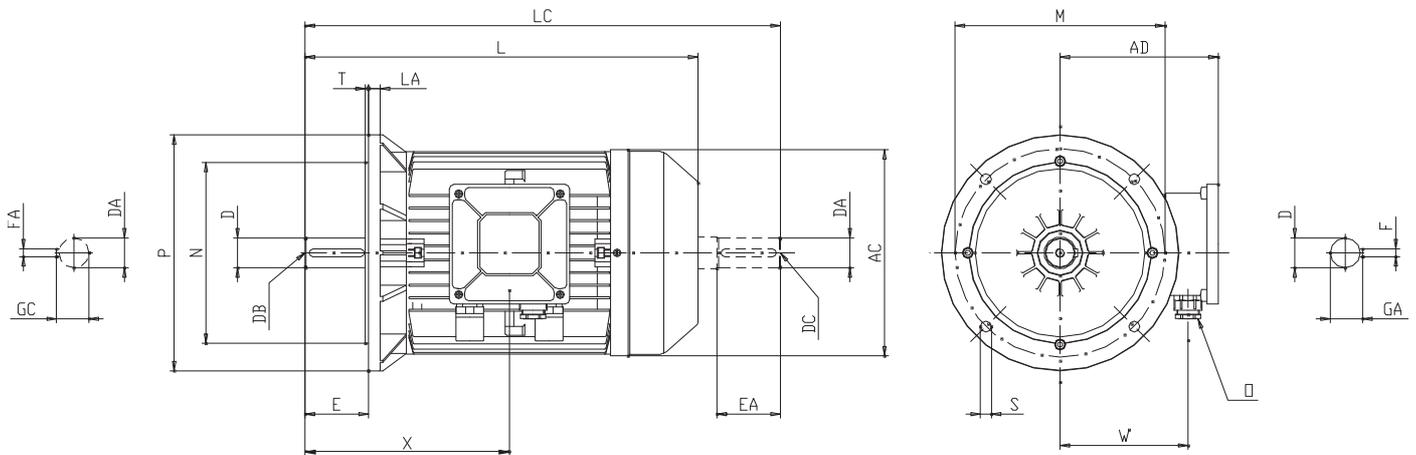
| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | |
|--------------|---------------|-------------------------|-----|----|------|----------|-------|----|----|------|----------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 63 | 2-4-6-8 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 14 j6 | 30 | 5 | 16 | M5x0.8 | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 19 j6 | 40 | 6 | 21.5 | M6x1 | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112MT | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 42 k6 | 110 | 12 | 45 | M16x2 | 38 k6 | 80 | 10 | 41 | M12x1.75 |

Dimensioni d'ingombro

Forma B5 - Grandezza 160÷200
 Forma V1 - Grandezza 160÷200
 Motori autoventilati (IC 411)

Overall dimensions

Mounting B5 - Frame size 160÷200
 Mounting V1 - Frame size 160÷200
 Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|----|-----|-----|--------|-----|----------|---|-----|-----|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 160M | 2-4-6-8 | 320 | 245 | 650 | 15 | 765 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 345 | 195 | M40x1.5 |
| 160L | | 320 | 245 | 650 | 15 | 765 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 345 | 195 | M40x1.5 |
| 180MT | | 320 | 245 | 690 | 15 | 824 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 370 | 195 | M40x1.5 |
| 180LT | | 320 | 245 | 690 | 15 | 824 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 370 | 195 | M40x1.5 |
| 180L | | 360 | 275 | 725 | 15 | 846 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 370 | 221 | M40x1.5 |
| 200LT | | 360 | 275 | 750 | 15 | 905 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 400 | 215 | M40x1.5 |
| 200L | | 395 | 315 | 780 | 15 | 905 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 400 | 255 | M40x1.5 |

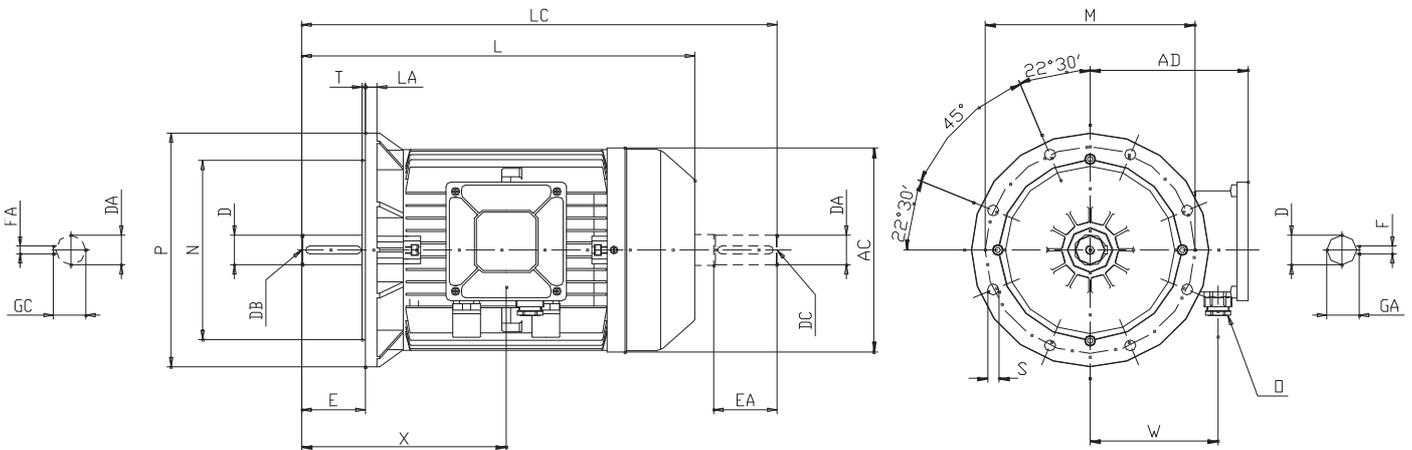
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 160M | 2-4-6-8 | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 160L | | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 180MT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180LT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180L | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 200LT | | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| 200L | | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |

Dimensioni d'ingombro

Overall dimensions

Forma B5 - Grandezza 225T÷280T
Forma V1 - Grandezza 225T÷280T
Motori autoventilati (IC 411)

Mounting B5 - Frame size 225T÷280T
Mounting V1 - Frame size 225T÷280T
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|-----------|------------|-------------------------|-----|------|----|------|-----|--------|-----|----------|---|-----|-----|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 225ST | 4-6-8 | 400 | 315 | 830 | 16 | 985 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 445 | 245 | M50x1.5 |
| 225MT | 2 | 400 | 315 | 800 | 16 | 925 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 415 | 245 | M50x1.5 |
| | 4-6-8 | 400 | 315 | 830 | 16 | 985 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 445 | 245 | M50x1.5 |
| 225M | 2 | 450 | 335 | 840 | 16 | 965 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 415 | 280 | M50x1.5 |
| | 4-6-8 | 450 | 335 | 870 | 16 | 1025 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 445 | 280 | M50x1.5 |
| 250MT | 2 | 450 | 330 | 905 | 18 | 1061 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 485 | 270 | M50x1.5 |
| | 4-6-8 | 450 | 330 | 905 | 18 | 1061 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 485 | 270 | M50x1.5 |
| 280ST | 2 | 510 | 400 | 1030 | 18 | 1170 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 510 | 400 | 1030 | 18 | 1170 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |
| 280MT | 2 | 510 | 400 | 1030 | 18 | 1170 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 510 | 400 | 1030 | 18 | 1170 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |

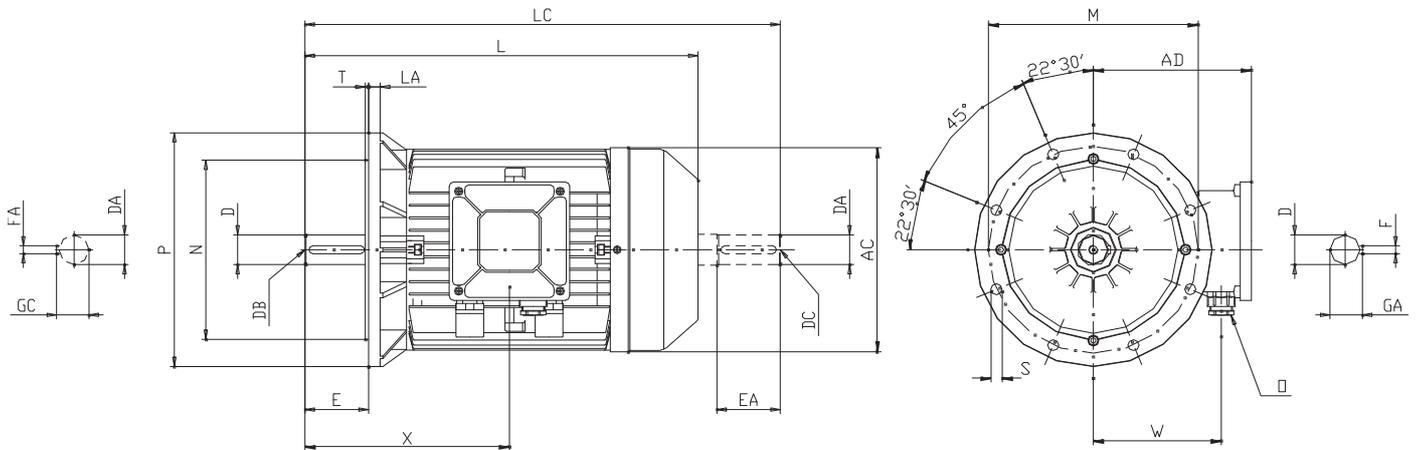
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|-----------|------------|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 225ST | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225MT | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225M | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 250MT | 2 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| | 4-6-8 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| 280ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| 280MT | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |

Dimensioni d'ingombro

Forma B5 - Grandezza 315T÷355T
 Forma V1 - Grandezza 315T÷355T
 Motori autoventilati (IC 411)

Overall dimensions

Mounting B5 - Frame size 315T÷355T
 Mounting V1 - Frame size 315T÷355T
 Self-ventilated motors (IC 411)

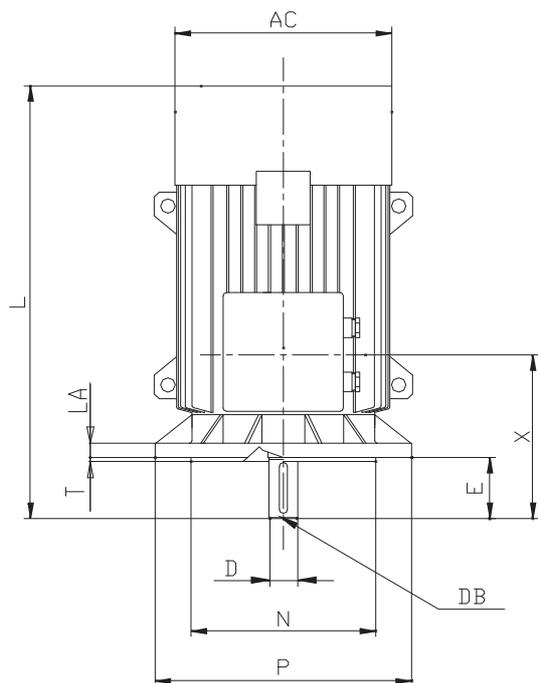


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|-----------------|---------------|-------------------------|-----|------|----|------|-----|--------|-----|----------|---|-----|-----|-------------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 315ST | 2 | 520 | 400 | 1050 | 22 | 1195 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 560 | 320 | M63x1.5 |
| | 4-6-8 | 520 | 400 | 1080 | 22 | 1255 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 590 | 320 | M63x1.5 |
| 315M a-b-c-d | 2 | 610 | 470 | 1150 | 22 | 1305 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | 1180 | | 1365 | | | | | | 612 | | |
| 315Mb e-f-g | 2 | 610 | 470 | 1150 | 22 | 1305 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | 1280 | | 1470 | | | | | | 612 | | |
| 355LT | 2 | 610 | 470 | 1375 | 25 | 1554 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 710 | 390 | N.2 M63x1.5 |
| | 4-6-8 | 610 | 470 | 1445 | 25 | 1654 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 780 | 390 | N.2 M63x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|-----------------------|---------------|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 315ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 315M a-b-c-d-e-f-g | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 355LT | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 | 90 m6 | 170 | 25 | 95 | M24x3 |

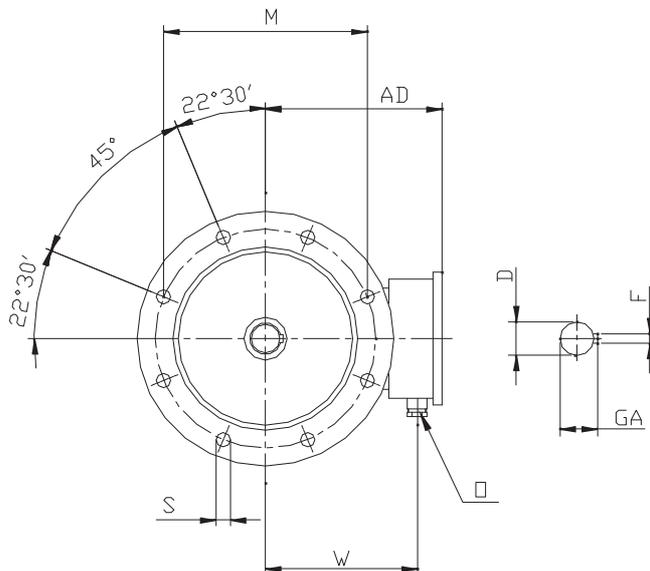
Dimensioni d'ingombro

Forma V1 - Grandezza 355L÷355Lx
Motori autoventilati (IC 411)



Overall dimensions

Mounting V1 - Frame size 355L÷355Lx
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|------------------|---------------|-------------------------|-----|------|----|-----|--------|-----|----------|---|-----|-----|-------------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 355L a-b-c | 2 | 710 | 545 | 1470 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 495 | 450 | N.2 M63x1.5 |
| | 1540 | | | 565 | | | | | | | | | |
| 355Lx a-b-c-d | 4-6-8 | 796 | 615 | 1770 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 570 | 515 | N.2 M63x1.5 |

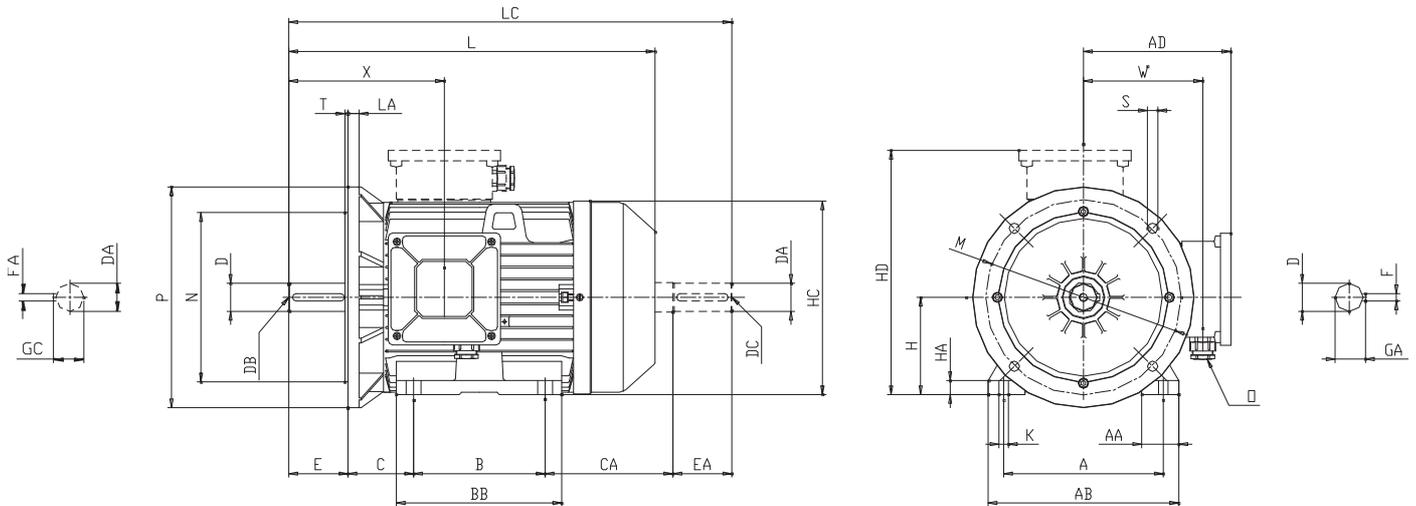
| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | |
|------------------|---------------|-------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 355L a-b-c | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |
| 355Lx a-b-c-d | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |

Dimensioni d'ingombro

Overall dimensions

Forma B3/B5 - Grandezza 63÷160T
Motori autoventilati (IC 411)

Mounting B3/B5 - Frame size 63÷160T
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|------|-----|----|-----|-----|----|-----|-------|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 63 | 2-4-6-8 | 100 | 28 | 128 | 95 | 80 | 103 | 40 | 73 | 63 | 7 | 125 | 158 | 6 | 212 | 239 | 86 | 68 | M16x1.5 |
| 71 | | 112 | 24 | 137 | 115 | 90 | 101 | 45 | 85.5 | 71 | 10 | 144 | 186 | 7 | 238 | 280.5 | 111 | 88 | M20x1.5 |
| 80 | | 125 | 30 | 155 | 126 | 100 | 122 | 50 | 93.5 | 80 | 10 | 164 | 206 | 9 | 274 | 323.5 | 113 | 96 | M20x1.5 |
| 90S | | 140 | 34 | 175 | 142 | 100 | 125 | 56 | 118 | 90 | 12 | 180 | 232 | 10 | 297 | 374 | 134 | 115 | M20x1.5 |
| 90L | | 140 | 34 | 175 | 142 | 125 | 150 | 56 | 118 | 90 | 12 | 180 | 232 | 10 | 322 | 399 | 134 | 115 | M20x1.5 |
| 100L | | 160 | 37 | 198 | 155 | 140 | 173 | 63 | 107 | 100 | 14 | 205 | 255 | 12 | 361 | 430 | 160 | 123 | M25x1.5 |
| 112MT | | 190 | 38 | 224 | 155 | 140 | 178 | 70 | 100 | 112 | 15 | 217 | 267 | 12 | 361 | 430 | 160 | 123 | M25x1.5 |
| 112M | | 190 | 38 | 228 | 170 | 140 | 172 | 70 | 114 | 112 | 17 | 222 | 282 | 13 | 380 | 444 | 157 | 140 | M25x1.5 |
| 132S | | 216 | 50 | 258 | 200 | 140 | 225 | 89 | 167 | 132 | 19 | 264 | 332 | 13 | 470 | 556 | 198 | 162 | M25x1.5 |
| 132M | | 216 | 50 | 258 | 200 | 178 | 225 | 89 | 173 | 132 | 19 | 264 | 332 | 13 | 496 | 600 | 198 | 162 | M25x1.5 |
| 160MT | | 254 | 60 | 292 | 215 | 210 | 250 | 108 | 165 | 160 | 18 | 290 | 375 | 14 | 570 | 673 | 275 | 170 | M32x1.5 |

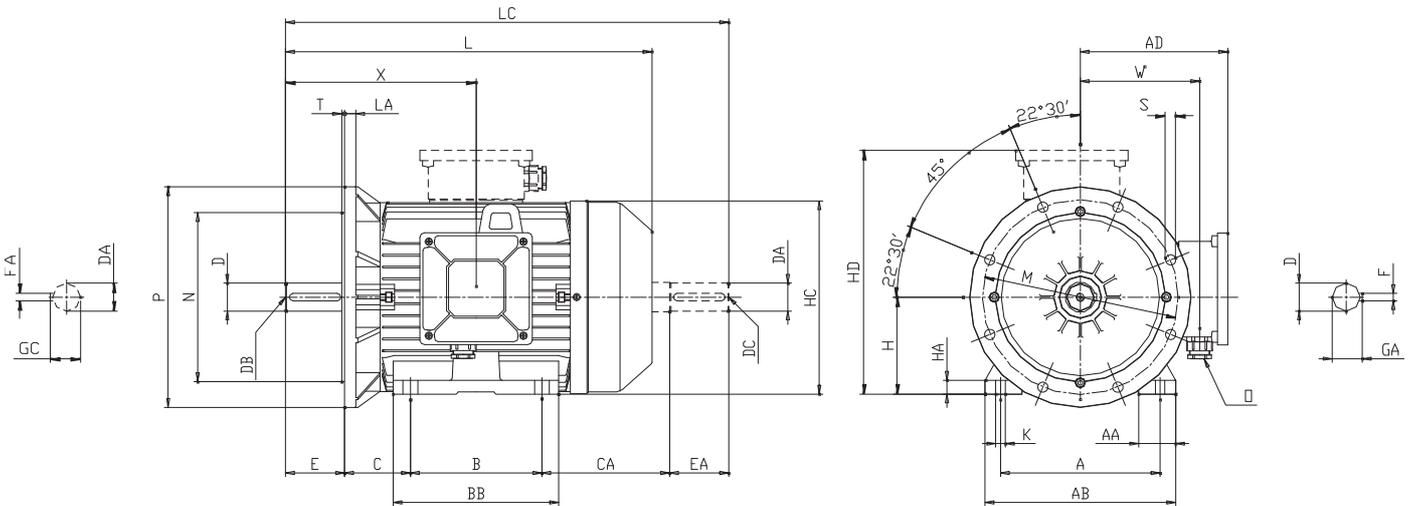
| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|--------------|---------------|------------------------|-----|--------|-----|------------|-----|------------------------|-----|----|------|----------|---------------------------|----|----|------|----------|
| | | LA | M | N | P | S | T | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 63 | 2-4-6-8 | 10 | 115 | 95 j6 | 140 | N.4 x 9.5 | 3 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 10 | 130 | 110 j6 | 160 | N.4 x 9.5 | 3.5 | 14 j6 | 30 | 5 | 16 | M5x0.8 | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 19 j6 | 40 | 6 | 21.5 | M6x1 | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112MT | | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 14 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 14 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 42 k6 | 110 | 12 | 45 | M16x2 | 38 k6 | 80 | 10 | 41 | M12x1.75 |

Dimensioni d'ingombro

Overall dimensions

Forma B3/B5 - Grandezza 160÷200
Motori autoventilati (IC 411)

Mounting B3/B5 - Frame size 160÷200
Self-ventilated motors (IC 411)

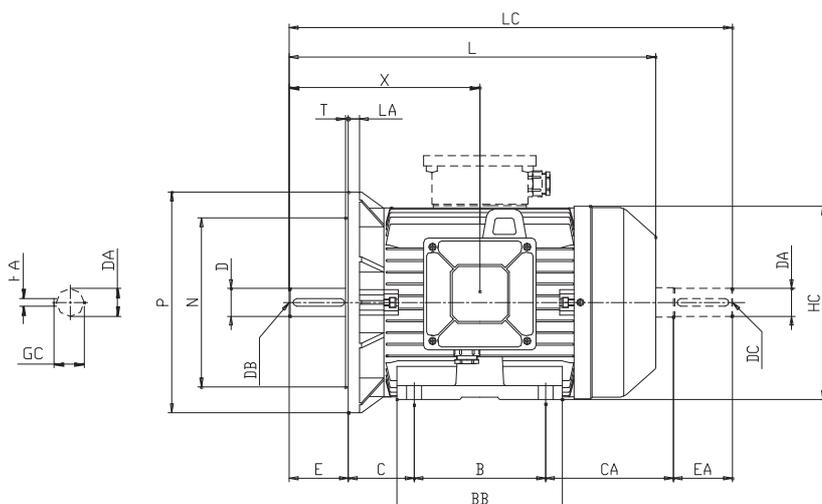


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 160M | 2-4-6-8 | 254 | 67 | 315 | 245 | 210 | 332 | 108 | 227 | 160 | 20 | 325 | 405 | 14 | 650 | 765 | 345 | 195 | M40x1.5 |
| 160L | | 254 | 67 | 315 | 245 | 254 | 332 | 108 | 183 | 160 | 20 | 325 | 405 | 14 | 650 | 765 | 345 | 195 | M40x1.5 |
| 180MT | | 279 | 80 | 350 | 245 | 241 | 320 | 121 | 242 | 180 | 22 | 340 | 425 | 14 | 690 | 824 | 370 | 195 | M40x1.5 |
| 180LT | | 279 | 80 | 350 | 245 | 279 | 320 | 121 | 204 | 180 | 22 | 340 | 425 | 14 | 690 | 824 | 370 | 195 | M40x1.5 |
| 180L | | 279 | 80 | 350 | 275 | 279 | 320 | 121 | 226 | 180 | 22 | 360 | 450 | 14 | 725 | 846 | 370 | 221 | M40x1.5 |
| 200LT | | 318 | 90 | 395 | 275 | 305 | 365 | 133 | 247 | 200 | 24 | 380 | 475 | 18 | 750 | 905 | 400 | 215 | M40x1.5 |
| 200L | | 318 | 90 | 395 | 315 | 305 | 365 | 133 | 247 | 200 | 24 | 405 | 505 | 18 | 780 | 905 | 400 | 255 | M50x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | | |
|--------------|---------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|--|
| | | LA | M | N | P | S | T | D | E | F | GA | DB | DA | EA | FA | GC | DC | |
| 160M | 2-4-6-8 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 | |
| 160L | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 | |
| 180MT | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 | |
| 180LT | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 | |
| 180L | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 | |
| 200LT | | 15 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | |
| 200L | | 15 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | |

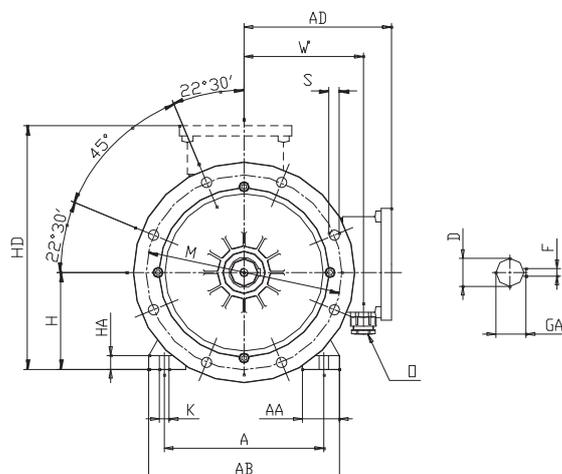
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 225T÷280T
Motori autoventilati (IC 411)



Overall dimensions

Mounting B3/B5 - Frame size 225T÷280T
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|------|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 225ST | 4-6-8 | 356 | 80 | 436 | 315 | 286 | 370 | 149 | 270 | 225 | 30 | 420 | 515 | 18 | 830 | 985 | 445 | 245 | M50x1.5 |
| 225MT | 2 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 245 | 225 | 30 | 420 | 515 | 18 | 800 | 925 | 415 | 245 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 245 | 225 | 30 | 420 | 515 | 18 | 830 | 985 | 445 | 245 | M50x1.5 |
| 225M | 2 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 285 | 225 | 30 | 450 | 560 | 18 | 840 | 965 | 415 | 280 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 285 | 225 | 30 | 450 | 560 | 18 | 870 | 1025 | 445 | 280 | M50x1.5 |
| 250MT | 2 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 264 | 250 | 32 | 480 | 580 | 22 | 905 | 1061 | 485 | 270 | M50x1.5 |
| | 4-6-8 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 264 | 250 | 32 | 480 | 580 | 22 | 905 | 1061 | 485 | 270 | M50x1.5 |
| 280ST | 2 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 332 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 332 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |
| 280MT | 2 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 281 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 281 | 280 | 35 | 535 | 680 | 22 | 1030 | 1170 | 540 | 320 | M50x1.5 |

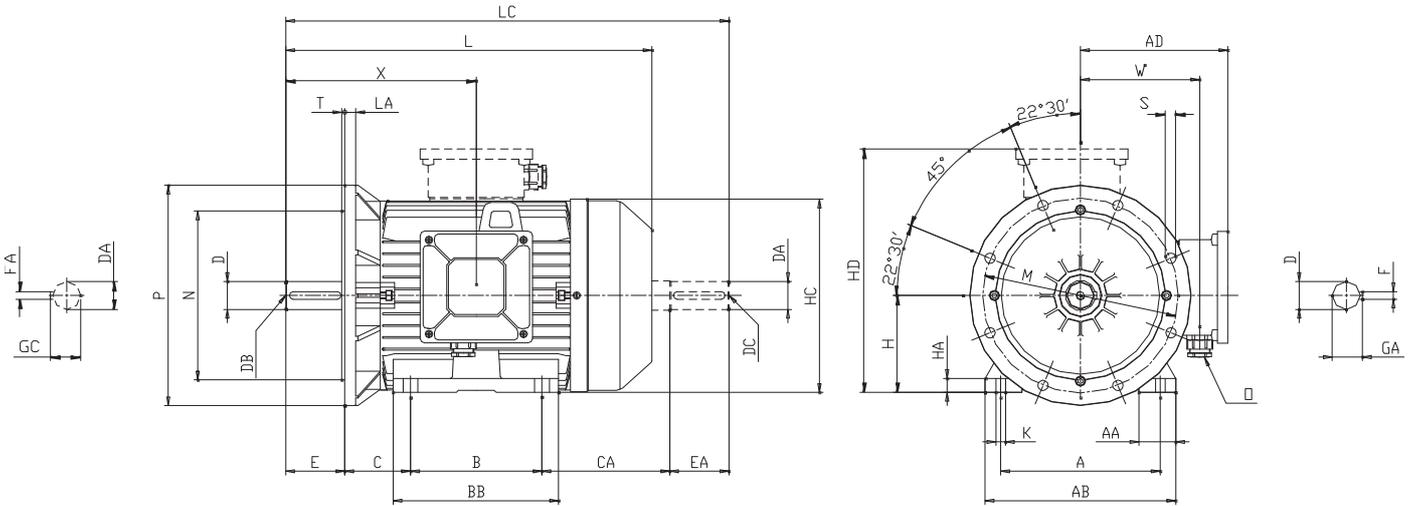
| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | | Albero L.O.A. / NDE shaft | | | | |
|--------------|---------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|----|------|---------|---------------------------|-----|----|------|---------|
| | | LA | M | N | P | S | T | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 225ST | 4-6-8 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225MT | 2 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225M | 2 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 250MT | 2 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| | 4-6-8 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| 280ST | 2 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| 280MT | 2 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |

Dimensioni d'ingombro

Overall dimensions

Forma B3/B5 - Grandezza 315T÷355T
Motori autoventilati (IC 411)

Mounting B3/B5 - Frame size 315T÷355T
Self-ventilated motors (IC 411)

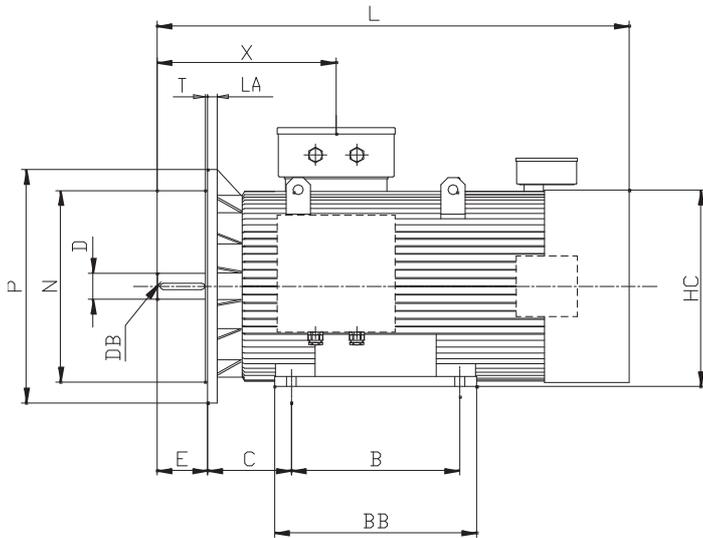


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | |
|-----------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|------|-----|----|-----|-----|----|------|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | CA | H | HA | HC | HD | K | L | LC | X | W | O |
| 315ST | 2 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 293 | 315 | 38 | 570 | 715 | 27 | 1050 | 1195 | 560 | 320 | M63x1.5 |
| | 4-6-8 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 293 | 315 | 38 | 570 | 715 | 27 | 1080 | 1255 | 590 | 320 | M63x1.5 |
| 315M a-b-c-d | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 352 | 315 | 42 | 620 | 785 | 27 | 1150 | 1305 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | 1180 | | | | | | 1365 | 612 | | | |
| 315M e-f-g | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 352 | 315 | 42 | 620 | 785 | 27 | 1150 | 1305 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | 457 | | | | | | 1280 | 1470 | 612 | | |
| 355LT | 2 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 390 | 355 | 50 | 660 | 825 | 27 | 1375 | 1554 | 710 | 390 | N.2 M63x1.5 |
| | 4-6-8 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 390 | 355 | 50 | 660 | 825 | 27 | 1445 | 1654 | 780 | 390 | N.2 M63x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | | | Albero L.O.A. / NDE shaft | | | | | |
|-----------------------|---------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|----|------|---------|-------|---------------------------|----|------|---------|--|--|
| | | LA | M | N | P | S | T | D | E | F | GA | DB | DA | EA | FA | GC | DC | | |
| 315ST | 2 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 | | |
| | 4-6-8 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 80 m6 | 170 | 22 | 85 | M20x2.5 | 80 m6 | 170 | 22 | 85 | M20x2.5 | | |
| 315M a-b-c-d-e-f-g | 2 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 65 m6 | 140 | 18 | 69 | M20x2.5 | 65 m6 | 140 | 18 | 69 | M20x2.5 | | |
| | 4-6-8 | | | | | | | 80 m6 | 170 | 22 | 85 | M20x2.5 | 80 m6 | 170 | 22 | 85 | M20x2.5 | | |
| 355LT | 2 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 | | |
| | 4-6-8 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 100 m6 | 210 | 28 | 106 | M24x3 | 90 m6 | 170 | 25 | 95 | M24x3 | | |

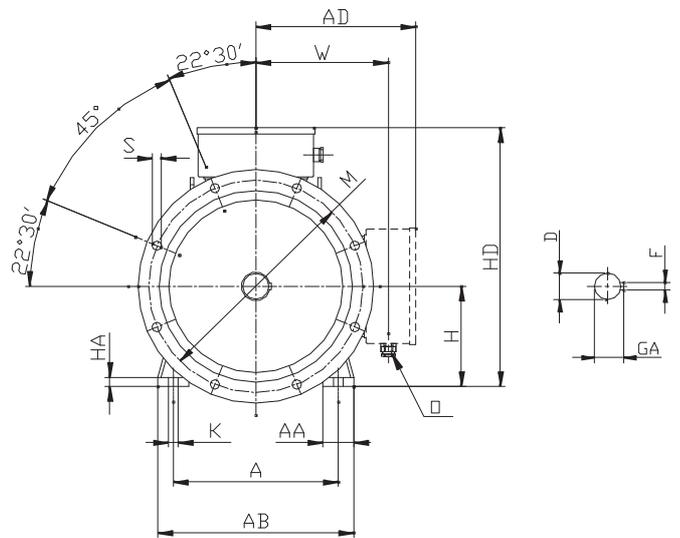
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 355L÷355Lx
Motori autoventilati (IC 411)



Overall dimensions

Mounting B3/B5 - Frame size 355L÷355Lx
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|------------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 355L a-b-c | 2 | 610 | 120 | 730 | 545 | 630 | 700 | 254 | 355 | 35 | 690 | 900 | 27 | 1470 | 495 | 450 | N.2 M63x1.5 |
| | 1540 | | | | | | | | | | | | | 565 | | | |
| 355Lx a-b-c-d | 4-6-8 | 610 | 120 | 730 | 615 | 630 | 700 | 254 | 355 | 35 | 750 | 970 | 27 | 1770 | 570 | 515 | N.2 M63x1.5 |

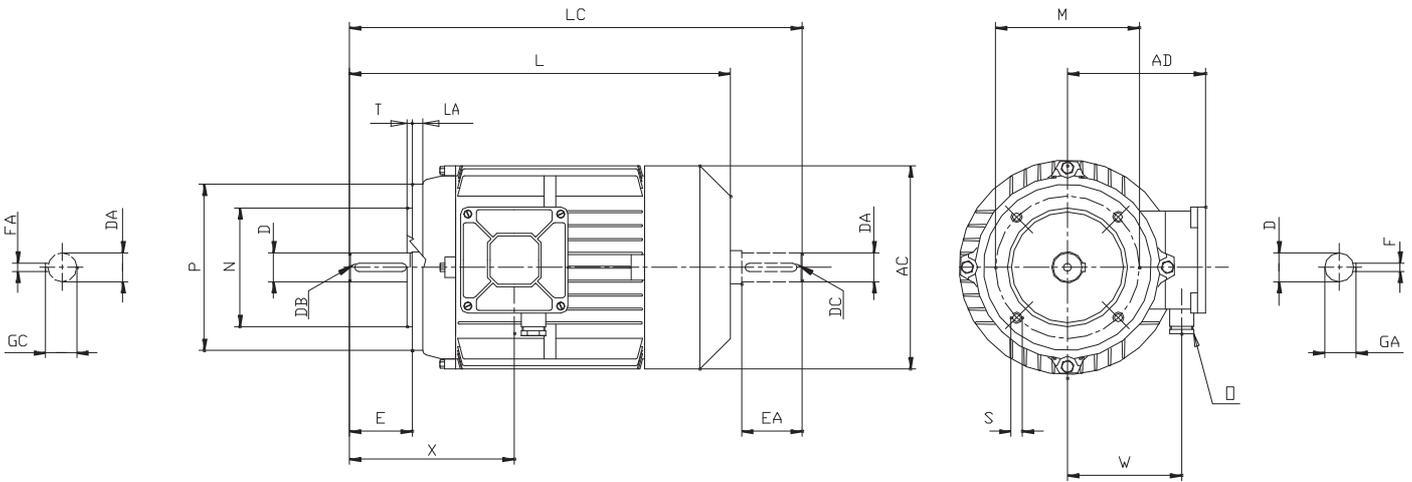
| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | |
|------------------|---------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|-----|-------|---------|
| | | LA | M | N | P | S | T | D | E | F | GA | DB |
| 355L a-b-c | 2 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 100 m6 | | | | | | | 210 | 28 | 106 | M24x3 | |
| 355Lx a-b-c-d | 4-6-8 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 100 m6 | 210 | 28 | 106 | M24x3 |

Dimensioni d'ingombro

Overall dimensions

Forma B14 - Grandezza 63÷100
Motori autoventilati (IC 411)

Mounting B14 - Frame size 63÷100
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|--------|-----|--------|--------|---------|--------|-----|-----|---------|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 63 | 2-4-6-8 | 125 | 95 | 212 | 8 | 239 | 75 | 60 j6 | 90 | N.4xM5 | 2.5 | 86 | 68 | M16x1.5 |
| | | | | | | | 85 | 70 j6 | 105 | N.4xM6 | 2.5 | | | |
| | | | | | | | 100 | 80 j6 | 120 | N.4xM6 | 3 | | | |
| 71 | | 148 | 115 | 238 | 8 | 280 | 85 | 70 j6 | 105 | N.4xM6 | 2.5 | 111 | 88 | M20x1.5 |
| | | | | | 10 | | 100 | 80 j6 | 120 | N.4xM6 | 3 | | | |
| | | | | | 115 | | 95 j6 | 140 | N.4xM8 | 3 | | | | |
| 80 | | 170 | 126 | 274 | 8 | 325 | 85 | 70 j6 | 105 | N.4xM6 | 2.5 | 113 | 96 | M20x1.5 |
| | | | | | 10 | | 100 | 80 j6 | 120 | N.4xM6 | 3 | | | |
| | | | | | 115 | | 95 j6 | 140 | N.4xM8 | 3 | | | | |
| | | | | | 130 | | 110 j6 | 160 | N.4xM8 | 3.5 | | | | |
| 90S | | 185 | 142 | 297 | 10 | 374 | 115 | 95 j6 | 140 | N.4xM8 | 3 | 134 | 115 | M20x1.5 |
| | | | | | 130 | | 110 j6 | 160 | N.4xM8 | 3.5 | | | | |
| 90L | | 185 | 142 | 322 | 10 | 399 | 115 | 95 j6 | 140 | N.4xM8 | 3 | 134 | 115 | M20x1.5 |
| | 130 | | | | 110 j6 | | 160 | N.4xM8 | 3.5 | | | | | |
| 100L | 210 | 155 | 361 | 10 | 430 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 160 | 123 | M25x1.5 | |
| | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | | |

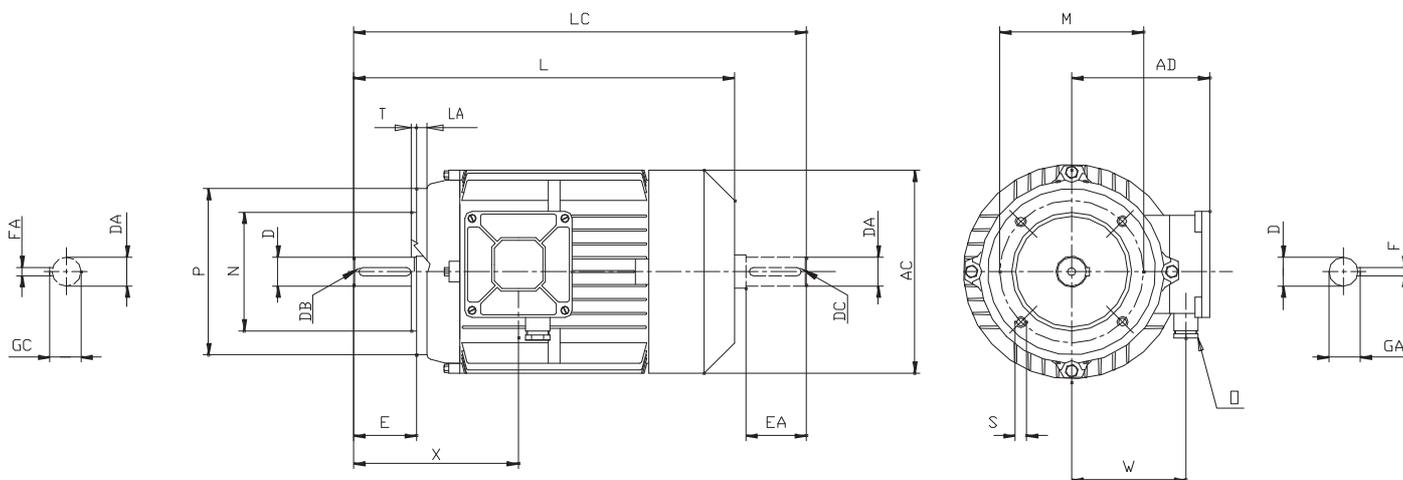
| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|----|---|------|---------|------------------------|----|----|------|---------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 63 | 2-4-6-8 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 14 j6 | 30 | 5 | 16 | M5x0.8 | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 19 j6 | 40 | 6 | 21.5 | M6x1 | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 24 j6 | 50 | 8 | 27 | M8x1.25 | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |

Dimensioni d'ingombro

Overall dimensions

Forma B14 - Grandezza 112T÷160T
Motori autoventilati (IC 411)

Mounting B14 - Frames size 112T÷160T
Self-ventilated motors (IC 411)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|-----------|------------|-------------------------|-----|-----|----|-----|-----|--------|-----|---------|-----|-----|-----|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 112MT | 2÷8 | 210 | 155 | 361 | 10 | 430 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 160 | 123 | M25x1.5 |
| | | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| 112M | | 225 | 166 | 380 | 10 | 444 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 157 | 140 | M25x1.5 |
| | | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| 132S | | 260 | 200 | 470 | 15 | 556 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 198 | 162 | M25x1.5 |
| | | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| | | | | | | | 215 | 180 j6 | 250 | N.4xM12 | 4 | | | |
| 132M | | 260 | 200 | 496 | 15 | 600 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 198 | 162 | M25x1.5 |
| | | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| | | | | | | | 215 | 180 j6 | 250 | N.4xM12 | 4 | | | |
| 160MT | | 260 | 215 | 570 | 18 | 673 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 275 | 170 | M32x1.5 |

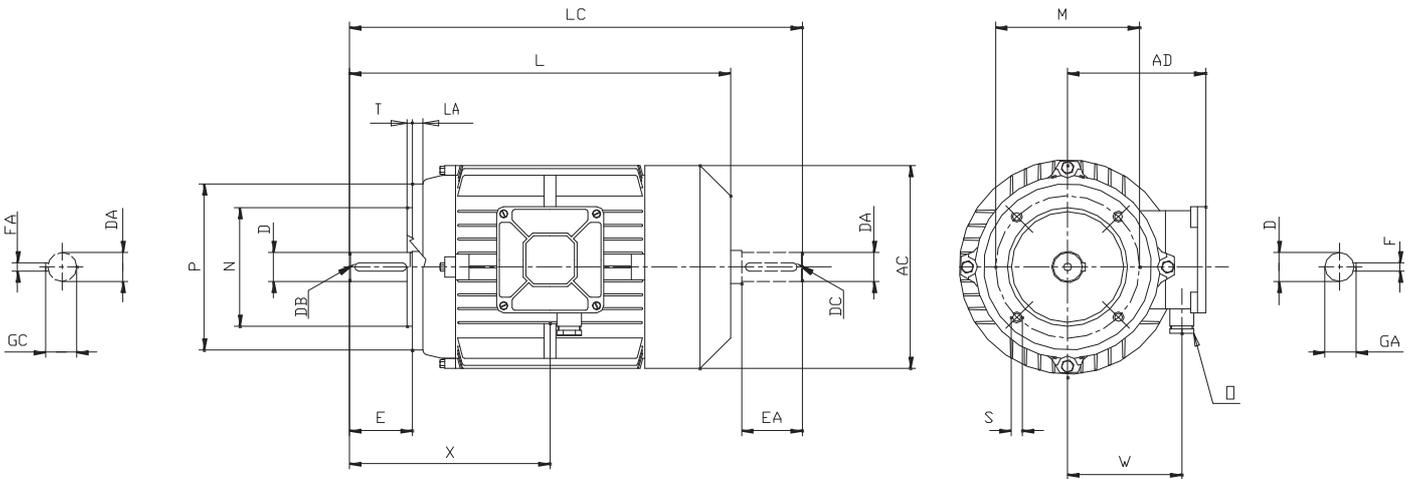
| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | Albero L.A. / DE shaft | | | | |
|-----------|------------|------------------------|-----|----|----|----------|------------------------|----|----|----|----------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 112MT | 2÷8 | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 28 j6 | 60 | 8 | 31 | M10x1.5 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 38 k6 | 80 | 10 | 41 | M12x1.75 | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 42 k6 | 110 | 12 | 45 | M16x2 | 38 k6 | 80 | 10 | 41 | M12x1.75 |

Dimensioni d'ingombro

Overall dimensions

Forma B14 - Grandezza 160÷180T
Motori autoventilati (IC 411)

Mounting B14 - Frame size 160÷180T
Self-ventilated motors (IC 411)

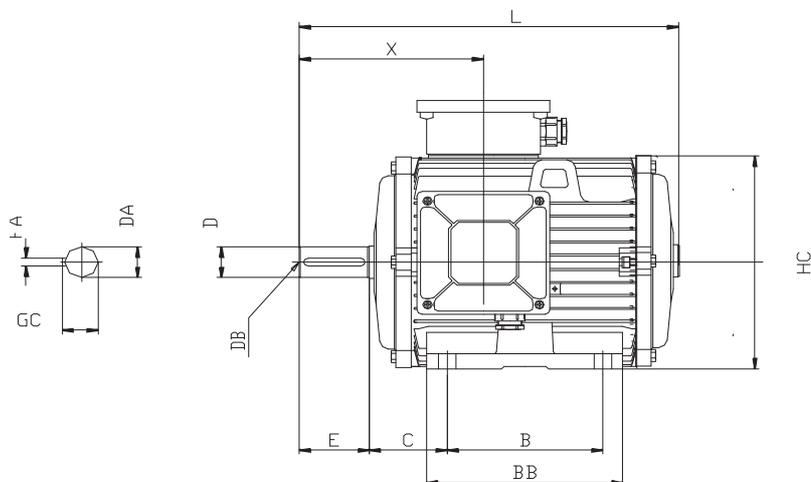


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|----|-----|-----|--------|-----|---------|---|-----|-----|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 160M | 2-4-6-8 | 320 | 245 | 650 | 18 | 765 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 345 | 195 | M40x1.5 |
| 160L | | 320 | 245 | 650 | 18 | 765 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 345 | 195 | M40x1.5 |
| 180MT | | 320 | 245 | 690 | 18 | 824 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 370 | 195 | M40x1.5 |
| 180LT | | 320 | 245 | 690 | 18 | 824 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 370 | 195 | M40x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|-------|------------------------|-----|----|------|-------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 160M | 2-4-6-8 | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 160L | | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 180MT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180LT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |

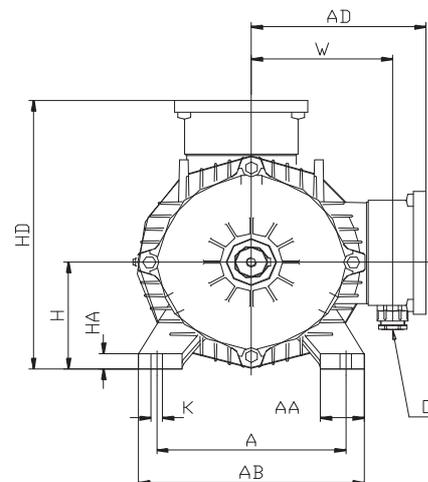
Dimensioni d'ingombro

Forma B3 - Grandezza 63÷160T
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B3 - Frame size 63÷160T
External ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 63 | 2-4-6-8 | 100 | 28 | 128 | 95 | 80 | 103 | 40 | 63 | 7 | 125 | 158 | 6 | 183 | 86 | 68 | M16x1.5 |
| 71 | | 112 | 24 | 137 | 115 | 90 | 101 | 45 | 71 | 10 | 144 | 186 | 7 | 210 | 111 | 88 | M20x1.5 |
| 80 | | 125 | 30 | 155 | 126 | 100 | 122 | 50 | 80 | 10 | 164 | 206 | 9 | 240 | 113 | 96 | M20x1.5 |
| 90S | | 140 | 34 | 175 | 142 | 100 | 125 | 56 | 90 | 12 | 180 | 232 | 10 | 262 | 134 | 115 | M20x1.5 |
| 90L | | 140 | 34 | 175 | 142 | 125 | 150 | 56 | 90 | 12 | 180 | 232 | 10 | 287 | 134 | 115 | M20x1.5 |
| 100L | | 160 | 37 | 198 | 155 | 140 | 173 | 63 | 100 | 14 | 205 | 255 | 12 | 326 | 160 | 123 | M25x1.5 |
| 112MT | | 190 | 38 | 224 | 155 | 140 | 178 | 70 | 112 | 15 | 217 | 267 | 12 | 340 | 160 | 123 | M25x1.5 |
| 112M | | 190 | 38 | 228 | 170 | 140 | 172 | 70 | 112 | 17 | 222 | 282 | 13 | 340 | 157 | 140 | M25x1.5 |
| 132S | | 216 | 50 | 258 | 200 | 140 | 225 | 89 | 132 | 19 | 264 | 332 | 13 | 398 | 198 | 162 | M25x1.5 |
| 132M | | 216 | 50 | 258 | 200 | 178 | 225 | 89 | 132 | 19 | 264 | 332 | 13 | 436 | 198 | 162 | M25x1.5 |
| 160MT | | 254 | 60 | 292 | 215 | 210 | 250 | 108 | 160 | 18 | 290 | 375 | 14 | 536 | 275 | 170 | M32x1.5 |

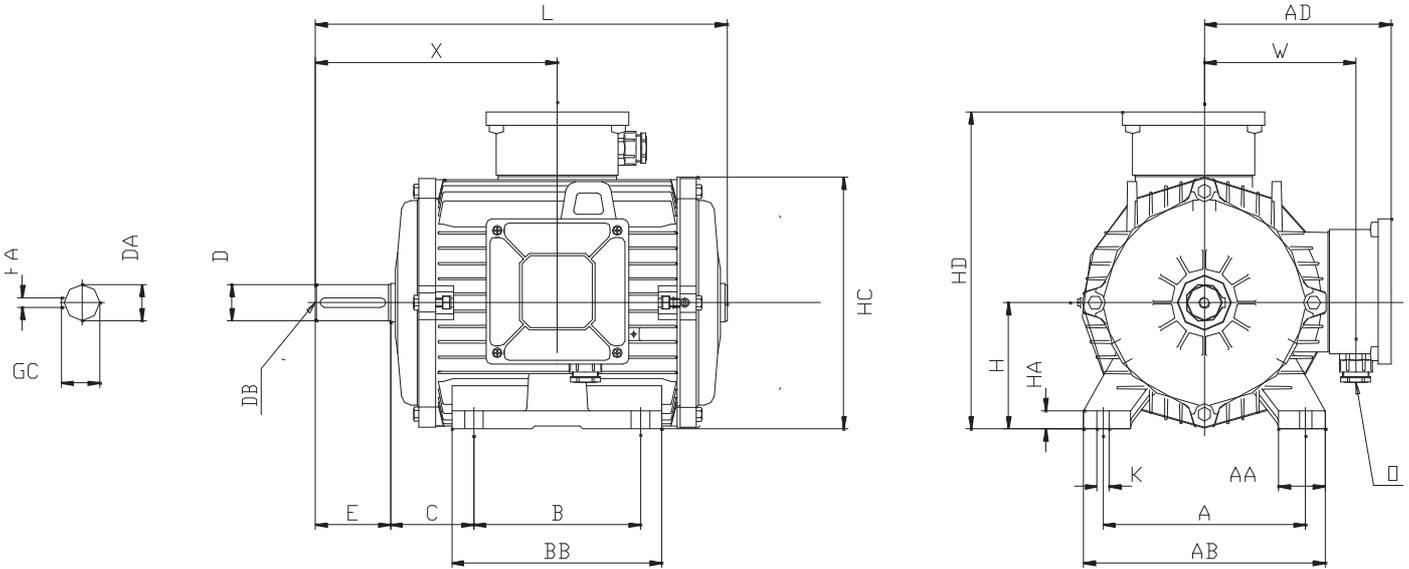
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|----------|
| | | D | E | F | GA | DB |
| 63 | 2-4-6-8 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112MT | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 42 k6 | 110 | 12 | 45 | M16x2 |

Dimensioni d'ingombro

Overall dimensions

Forma B3 - Grandezza 160÷200
Motori con ventilazione esterna (IC 418)

Mounting B3 - Frame size 160÷200
External ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 160M | 2-4-6-8 | 254 | 67 | 315 | 245 | 210 | 332 | 108 | 160 | 20 | 325 | 405 | 14 | 765 | 345 | 195 | M40x1.5 |
| 160L | | 254 | 67 | 315 | 245 | 254 | 332 | 108 | 160 | 20 | 325 | 405 | 14 | 765 | 345 | 195 | M40x1.5 |
| 180MT | | 279 | 80 | 350 | 245 | 241 | 320 | 121 | 180 | 22 | 340 | 425 | 14 | 810 | 370 | 195 | M40x1.5 |
| 180LT | | 279 | 80 | 350 | 245 | 279 | 320 | 121 | 180 | 22 | 340 | 425 | 14 | 810 | 370 | 195 | M40x1.5 |
| 180L | | 279 | 80 | 350 | 275 | 279 | 320 | 121 | 180 | 22 | 360 | 450 | 14 | 850 | 370 | 221 | M40x1.5 |
| 200LT | | 318 | 90 | 395 | 275 | 305 | 365 | 133 | 200 | 24 | 380 | 475 | 18 | 875 | 400 | 215 | M40x1.5 |
| 200L | | 318 | 90 | 395 | 315 | 305 | 365 | 133 | 200 | 24 | 405 | 505 | 18 | 890 | 400 | 255 | M50x1.5 |

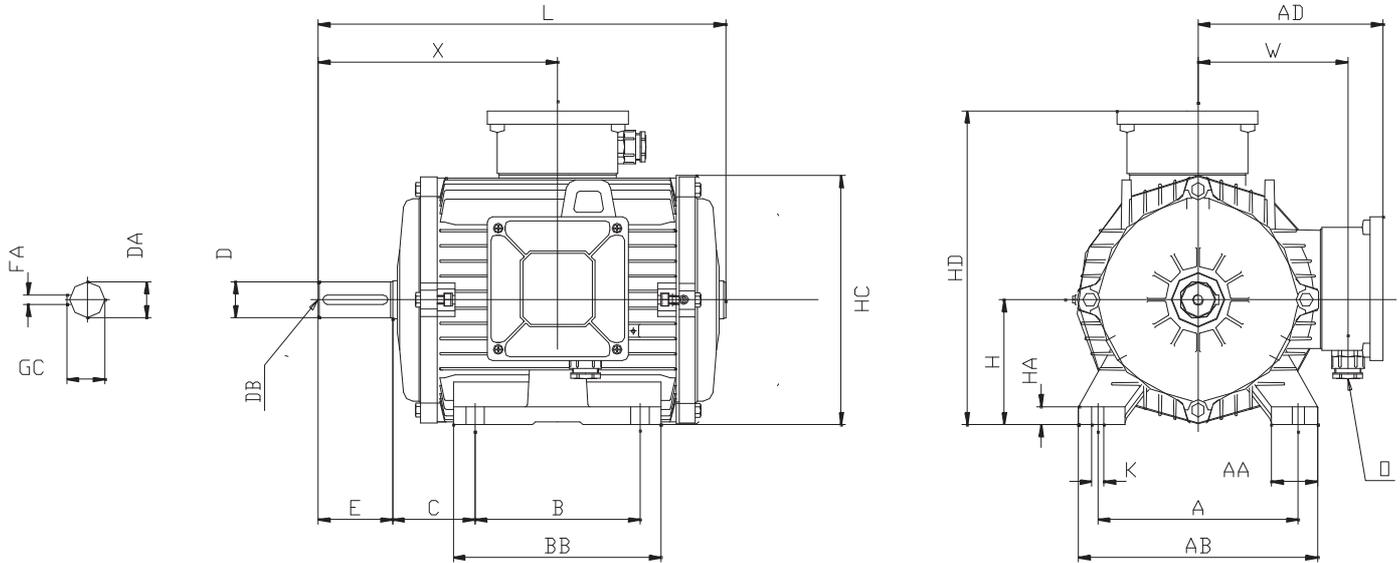
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 160M | 2-4-6-8 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 160L | | 42 k6 | 110 | 12 | 45 | M16x2 |
| 180MT | | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180LT | | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180L | | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 200LT | | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| 200L | | 55 m6 | 110 | 16 | 59 | M20x2.5 |

Dimensioni d'ingombro

Overall dimensions

Forma B3 - Grandezza 225T÷280T
Motori con ventilazione esterna (IC 418)

Mounting B3 - Frame size 225T÷280T
External ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 225ST | 4-6-8 | 356 | 80 | 436 | 315 | 286 | 370 | 149 | 225 | 30 | 420 | 515 | 18 | 995 | 445 | 245 | M50x1.5 |
| 225MT | 2 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 225 | 30 | 420 | 515 | 18 | 965 | 415 | 245 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 225 | 30 | 420 | 515 | 18 | 995 | 445 | 245 | M50x1.5 |
| 225M | 2 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 225 | 30 | 450 | 560 | 18 | 1040 | 415 | 280 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 225 | 30 | 450 | 560 | 18 | 1070 | 445 | 280 | M50x1.5 |
| 250MT | 2 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 250 | 32 | 480 | 580 | 22 | 1105 | 485 | 270 | M50x1.5 |
| | 4-6-8 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 250 | 32 | 480 | 580 | 22 | 1105 | 485 | 270 | M50x1.5 |
| 280ST | 2 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 888 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 888 | 540 | 320 | M50x1.5 |
| 280MT | 2 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 939 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 939 | 540 | 320 | M50x1.5 |

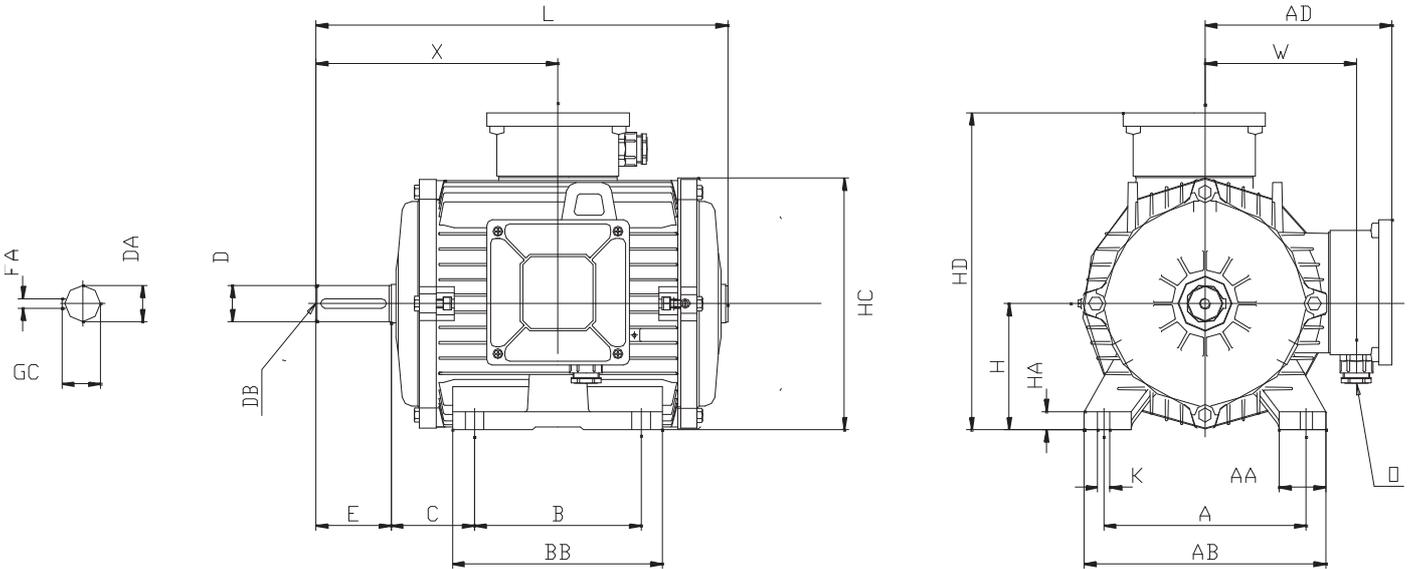
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 225ST | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225MT | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225M | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 250MT | 2 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| | 4-6-8 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| 280ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| 280MT | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |

Dimensioni d'ingombro

Overall dimensions

Forma B3 - Grandezza 315T÷355T
Motori con ventilazione esterna (IC 418)

Mounting B3 - Frame size 315T÷355T
External ventilated motors (IC 418)

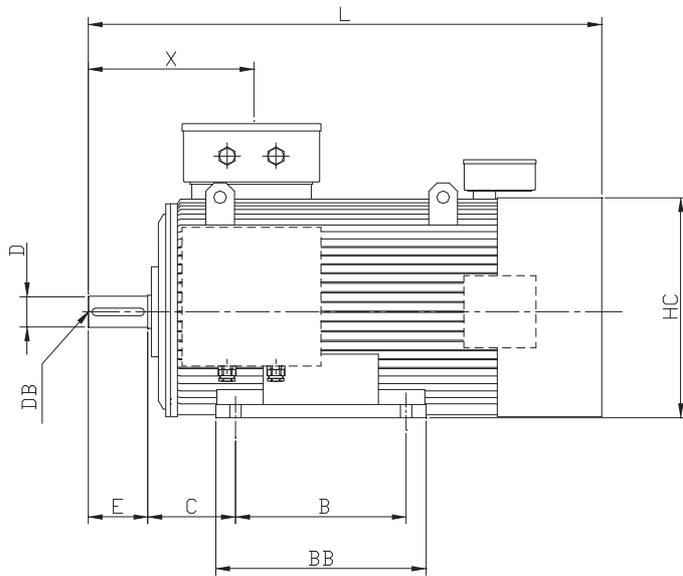


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|-----------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 315ST | 2 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 315 | 38 | 575 | 715 | 27 | 978 | 560 | 320 | M63x1.5 |
| | 4-6-8 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 315 | 38 | 575 | 715 | 27 | 1008 | 590 | 320 | M63x1.5 |
| 315M a-b-c-d | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 315 | 42 | 620 | 785 | 27 | 1029 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | | | | | | 1029 | 612 | | |
| 315M e-f-g | 2 | | | | | | | | | | | | | 1029 | 582 | | |
| | 4-6-8 | | | | | | | | | | | | | 1029 | 612 | | |
| 355LT | 2 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 355 | 50 | 660 | 825 | 27 | 1278 | 710 | 390 | N.2 M63x1.5 |
| | 4-6-8 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 355 | 50 | 660 | 825 | 27 | 1348 | 780 | 390 | N.2 M63x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|-----------------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 315ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 315M a-b-c-d-e-f-g | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 355LT | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |

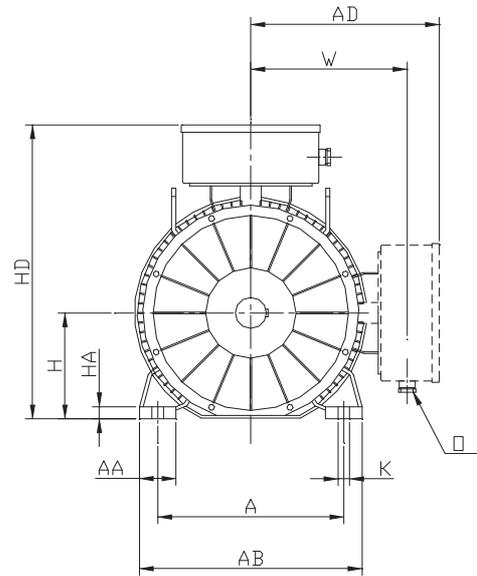
Dimensioni d'ingombro

Forma B3 - Grandezza 355L÷355Lx
Motori servoventilati (IC 418)



Overall dimensions

Mounting B3 - Frame size 355L÷355Lx
Forced-ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|------------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 355L a-b-c | 2 | 610 | 120 | 730 | 545 | 630 | 700 | 254 | 355 | 35 | 690 | 900 | 27 | 1840 | 495 | 450 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | | | | | | 1910 | 565 | | |
| 355Lx a-b-c-d | 4-6-8 | 610 | 120 | 730 | 615 | 630 | 700 | 254 | 355 | 35 | 750 | 970 | 27 | 2150 | 570 | 515 | N.2 M63x1.5 |

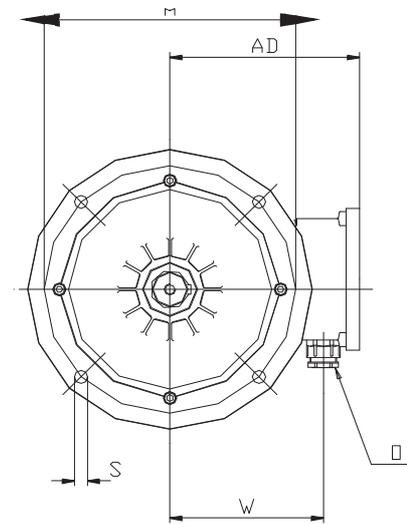
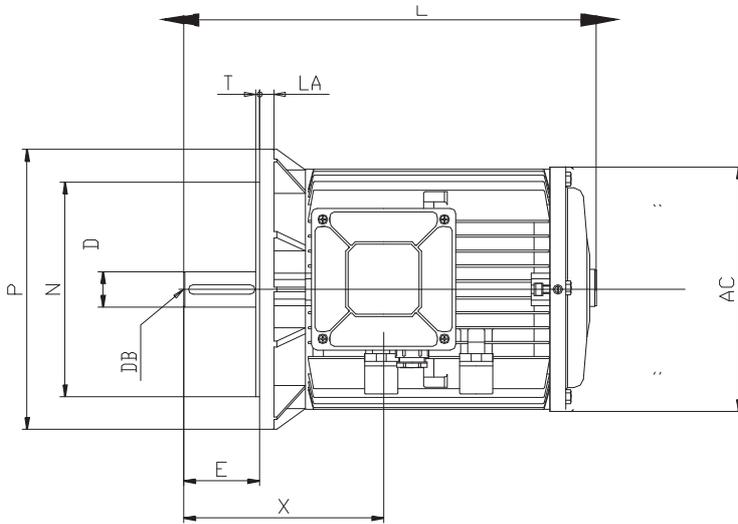
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|------------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 355L a-b-c | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |
| 355Lx a-b-c-d | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |

Dimensioni d'ingombro

Forma B5 - Grandezza 63÷160T
 Forma V1 - Grandezza 63÷160T
 Motori con ventilazione esterna (IC 418)

Overall dimensions

Mounting B5 - Frame size 63÷160T
 Mounting V1 - Frame size 63÷160T
 External ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|----|-----|--------|-----|------------|-----|-----|-----|---------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 63 | 2-4-6-8 | 125 | 95 | 183 | 10 | 115 | 95 j6 | 140 | N.4 x 9.5 | 3 | 86 | 68 | M16x1.5 |
| 71 | | 148 | 115 | 210 | 10 | 130 | 110 j6 | 160 | N.4 x 9.5 | 3.5 | 111 | 88 | M20x1.5 |
| 80 | | 170 | 126 | 240 | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 113 | 96 | M20x1.5 |
| 90S | | 185 | 142 | 262 | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 134 | 115 | M20x1.5 |
| 90L | | 185 | 142 | 287 | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 134 | 115 | M20x1.5 |
| 100L | | 210 | 155 | 326 | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 160 | 123 | M25x1.5 |
| 112MT | | 210 | 155 | 340 | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 160 | 123 | M25x1.5 |
| 112M | | 225 | 166 | 340 | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 157 | 140 | M25x1.5 |
| 132S | | 260 | 200 | 398 | 14 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 198 | 162 | M25x1.5 |
| 132M | | 260 | 200 | 436 | 14 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 198 | 162 | M25x1.5 |
| 160MT | | 260 | 215 | 536 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 275 | 170 | M32x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|----------|
| | | D | E | F | GA | DB |
| 63 | 2-4-6-8 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112MT | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 42 k6 | 110 | 12 | 45 | M16x2 |

Dimensioni d'ingombro

Forma B5 - Grandezza 160÷200

Forma V1 - Grandezza 160÷200

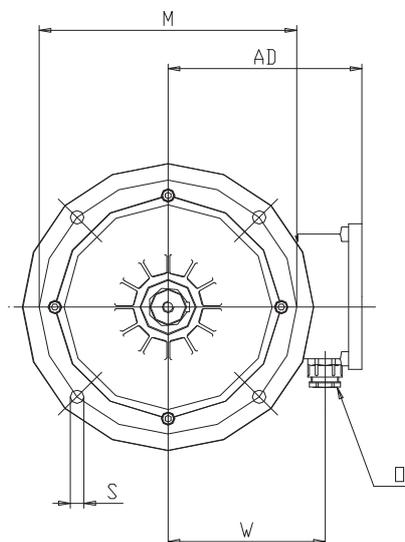
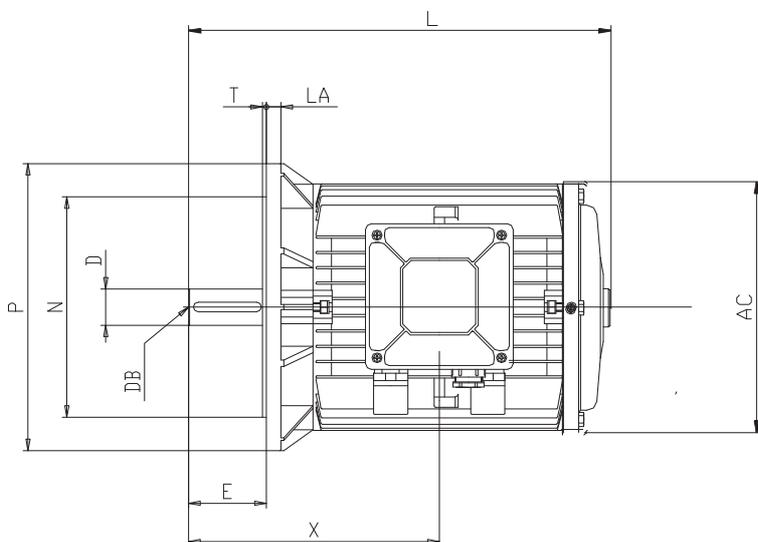
Motori con ventilazione esterna (IC 418)

Overall dimensions

Mounting B5 - Frame size 160÷200

Mounting V1 - Frame size 160÷200

External ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|-----------|------------|-------------------------|-----|-----|----|-----|--------|-----|----------|---|-----|-----|---------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 160M | 2-4-6-8 | 320 | 245 | 765 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 345 | 195 | M40x1.5 |
| 160L | | 320 | 245 | 765 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 345 | 195 | M40x1.5 |
| 180MT | | 320 | 245 | 810 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 370 | 195 | M40x1.5 |
| 180LT | | 320 | 245 | 810 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 370 | 195 | M40x1.5 |
| 180L | | 360 | 270 | 850 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 370 | 221 | M40x1.5 |
| 200LT | | 360 | 275 | 875 | 15 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 400 | 215 | M40x1.5 |
| 200L | | 395 | 315 | 890 | 15 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 400 | 255 | M40x1.5 |

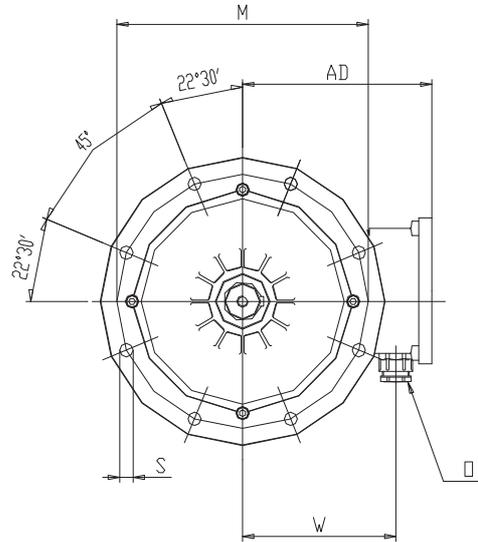
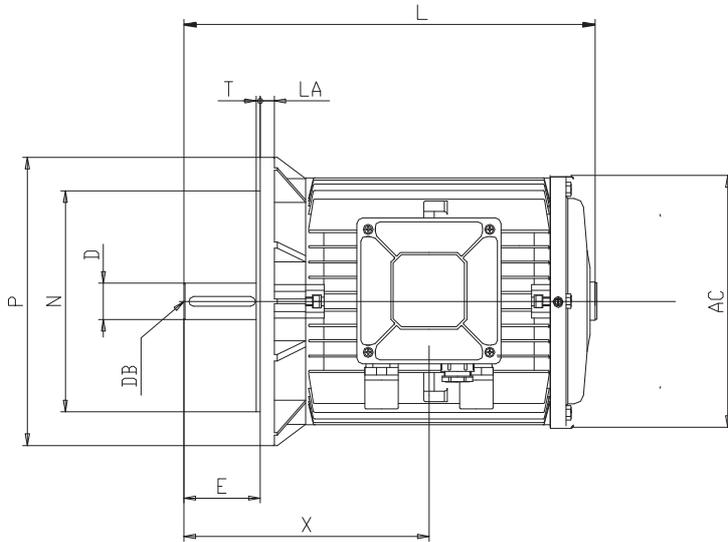
| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|-----------|------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 160M | 2-4-6-8 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 160L | | 42 k6 | 110 | 12 | 45 | M16x2 |
| 180MT | | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180LT | | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180L | | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 200LT | | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| 200L | | 55 m6 | 110 | 16 | 59 | M20x2.5 |

Dimensioni d'ingombro

Forma B5 - Grandezza 225T÷280T
 Forma V1 - Grandezza 225T÷280T
 Motori con ventilazione esterna (IC 418)

Overall dimensions

Mounting B5 - Frame size 225T÷280T
 Mounting V1 - Frame size 225T÷280T
 External ventilated motors (IC 418)

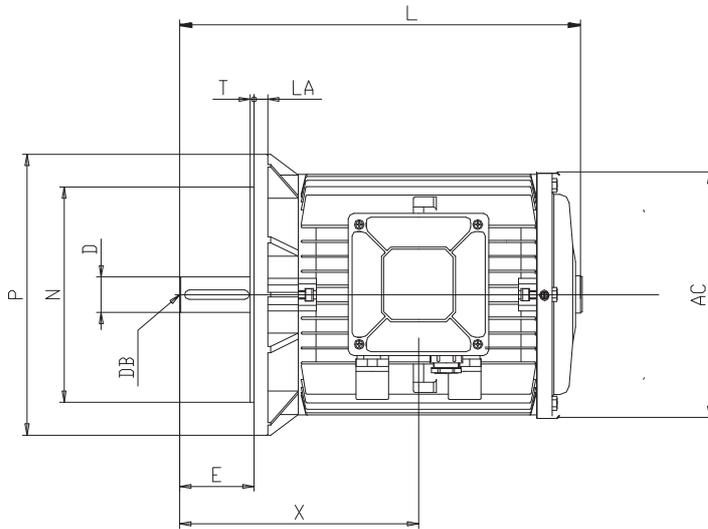


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|------|----|-----|--------|-----|----------|---|-----|-----|---------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 225ST | 4-6-8 | 400 | 315 | 995 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 445 | 245 | M50x1.5 |
| 225MT | 2 | 400 | 315 | 965 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 415 | 245 | M50x1.5 |
| | 4-6-8 | 400 | 315 | 995 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 445 | 245 | M50x1.5 |
| 225M | 2 | 450 | 335 | 1040 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 415 | 280 | M50x1.5 |
| | 4-6-8 | 450 | 335 | 1070 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 445 | 280 | M50x1.5 |
| 250MT | 2 | 450 | 330 | 1105 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 485 | 270 | M50x1.5 |
| | 4-6-8 | 450 | 330 | 1105 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 485 | 270 | M50x1.5 |
| 280ST | 2 | 510 | 400 | 888 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 510 | 400 | 888 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |
| 280MT | 2 | 510 | 400 | 939 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 510 | 400 | 939 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 540 | 320 | M50x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 225ST | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225MT | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225M | 2 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 250MT | 2 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| | 4-6-8 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| 280ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| 280MT | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |

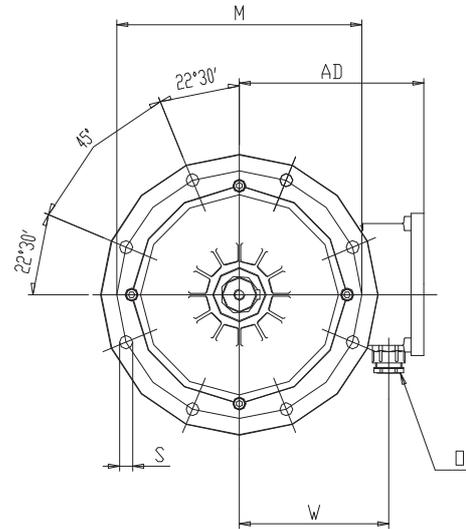
Dimensioni d'ingombro

Forma B5 - Grandezza 315T÷355T
 Forma V1 - Grandezza 315T÷355T
 Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B5 - Frame size 315T÷355T
 Mounting V1 - Frame size 315T÷355T
 External ventilated motors (IC 418)

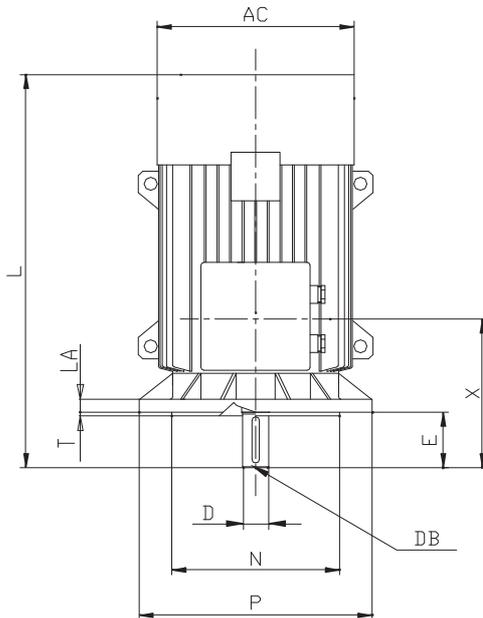


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|-----------------|---------------|-------------------------|-----|------|----|-----|--------|-----|----------|---|-----|-----|-------------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 315ST | 2 | 520 | 400 | 1370 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 560 | 320 | M63x1.5 |
| | 4-6-8 | 520 | 400 | 1400 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 590 | 320 | M63x1.5 |
| 315M a-b-c-d | 2 | 610 | 470 | 1495 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 582 | 390 | N.2 M63x1.5 |
| | 4-6-8 | | | 1525 | | | | | | | 612 | | |
| 315M e-f-g | 2 | | | 1495 | | | | | | | 582 | | |
| | 4-6-8 | | | 1740 | | | | | | | 612 | | |
| 355LT | 2 | 610 | 470 | 1825 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 710 | 390 | N.2 M63x1.5 |
| | 4-6-8 | 610 | 470 | 1895 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 780 | 390 | N.2 M63x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|-----------------------|---------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 315ST | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 315M a-b-c-d-e-f-g | 2 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 355LT | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |

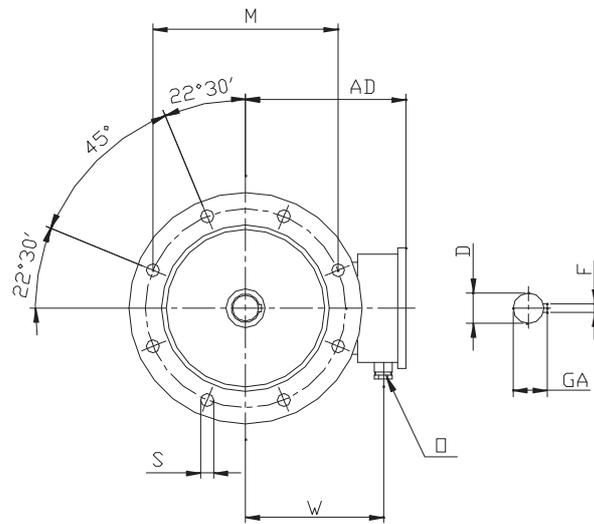
Dimensioni d'ingombro

Forma V1 - Grandezza 355L÷355Lx
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting V1 - Frame size 355L÷355Lx
External ventilated motors (IC 418)

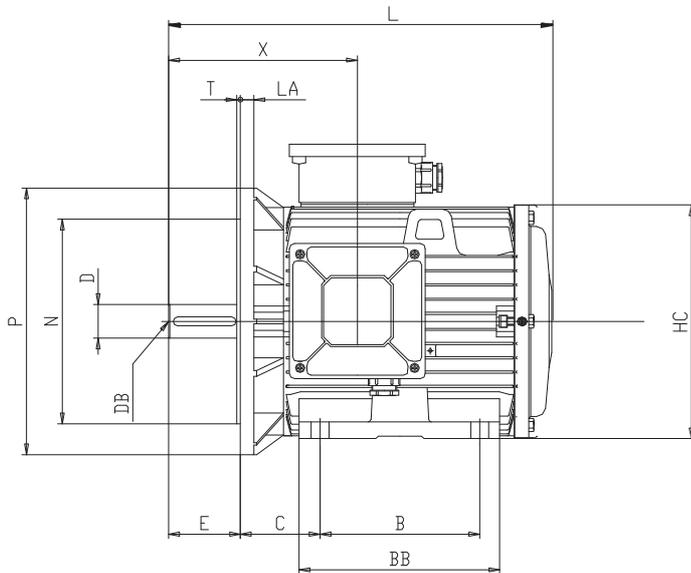


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|------------------|------------|-------------------------|-----|------|----|-----|--------|-----|----------|---|-----|-----|-------------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 355L a-b-c | 2 | 710 | 545 | 1300 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 495 | 450 | N.2 M63x1.5 |
| | 4-6-8 | | | 1400 | | | | | | | 565 | | |
| 355Lx a-b-c-d | 2 | 796 | 615 | 1590 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 570 | 515 | N.2 M63x1.5 |
| | 4-6-8 | | | | | | | | | | | | |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|------------------|------------|------------------------|-----|----|------|---------|
| | | D | E | F | GA | DB |
| 355L a-b-c | 2 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 100 m6 | 210 | 28 | 106 | M24x3 |
| 355Lx a-b-c-d | 2 | 100 m6 | 210 | 28 | 106 | M24x3 |
| | 4-6-8 | | | | | |

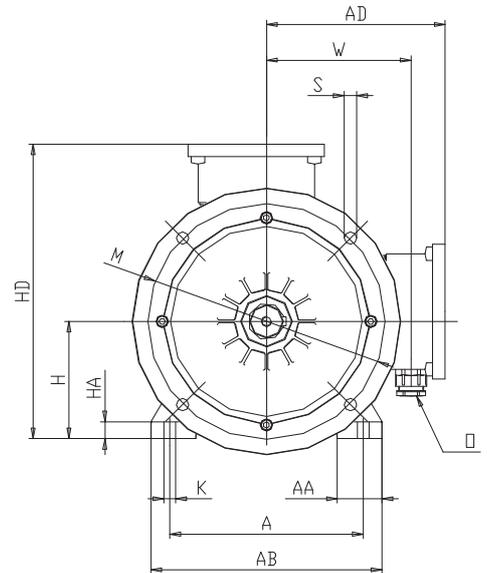
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 63÷160T
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B3/B5 - Frame size 63÷160T
External ventilated motors (IC 418)

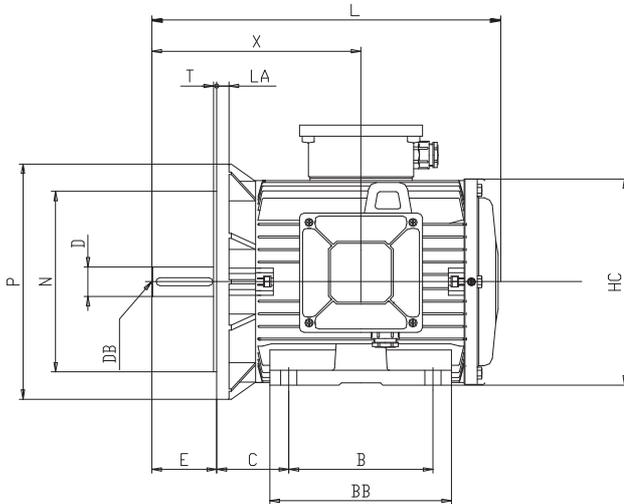


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 63 | 2-4-6-8 | 100 | 28 | 128 | 95 | 80 | 103 | 40 | 63 | 7 | 125 | 158 | 6 | 183 | 86 | 68 | M16x1.5 |
| 71 | | 112 | 24 | 137 | 115 | 90 | 101 | 45 | 71 | 10 | 144 | 186 | 7 | 210 | 111 | 88 | M20x1.5 |
| 80 | | 125 | 30 | 155 | 126 | 100 | 122 | 50 | 80 | 10 | 164 | 206 | 9 | 240 | 113 | 96 | M20x1.5 |
| 90S | | 140 | 34 | 175 | 142 | 100 | 125 | 56 | 90 | 12 | 180 | 232 | 10 | 262 | 134 | 115 | M20x1.5 |
| 90L | | 140 | 34 | 175 | 142 | 125 | 150 | 56 | 90 | 12 | 180 | 232 | 10 | 287 | 134 | 115 | M20x1.5 |
| 100L | | 160 | 37 | 198 | 155 | 140 | 173 | 63 | 100 | 14 | 205 | 255 | 12 | 326 | 160 | 123 | M25x1.5 |
| 112MT | | 190 | 38 | 224 | 155 | 140 | 178 | 70 | 112 | 15 | 217 | 267 | 12 | 340 | 160 | 123 | M25x1.5 |
| 112M | | 190 | 38 | 228 | 170 | 140 | 172 | 70 | 112 | 17 | 222 | 282 | 13 | 340 | 157 | 140 | M25x1.5 |
| 132S | | 216 | 50 | 258 | 200 | 140 | 225 | 89 | 132 | 19 | 264 | 332 | 13 | 398 | 198 | 162 | M25x1.5 |
| 132M | | 216 | 50 | 258 | 200 | 178 | 225 | 89 | 132 | 19 | 264 | 332 | 13 | 436 | 198 | 162 | M25x1.5 |
| 160MT | | 254 | 60 | 292 | 215 | 210 | 250 | 108 | 160 | 18 | 290 | 375 | 14 | 536 | 275 | 170 | M32x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | | |
|--------------|---------------|------------------------|-----|--------|-----|------------|-----|------------------------|-----|----|------|----------|--|
| | | LA | M | N | P | S | T | D | E | F | GA | DB | |
| 63 | 2-4-6-8 | 10 | 115 | 95 j6 | 140 | N.4 x 9.5 | 3 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 | |
| 71 | | 10 | 130 | 110 j6 | 160 | N.4 x 9.5 | 3.5 | 14 j6 | 30 | 5 | 16 | M5x0.8 | |
| 80 | | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 19 j6 | 40 | 6 | 21.5 | M6x1 | |
| 90S | | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 24 j6 | 50 | 8 | 27 | M8x1.25 | |
| 90L | | 12 | 165 | 130 j6 | 200 | N.4 x 11.5 | 3.5 | 24 j6 | 50 | 8 | 27 | M8x1.25 | |
| 100L | | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 28 j6 | 60 | 8 | 31 | M10x1.5 | |
| 112MT | | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 28 j6 | 60 | 8 | 31 | M10x1.5 | |
| 112M | | 14 | 215 | 180 j6 | 250 | N.4 x 14 | 4 | 28 j6 | 60 | 8 | 31 | M10x1.5 | |
| 132S | | 14 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 38 k6 | 80 | 10 | 41 | M12x1.75 | |
| 132M | | 14 | 265 | 230 j6 | 300 | N.4 x 14 | 4 | 38 k6 | 80 | 10 | 41 | M12x1.75 | |
| 160MT | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 42 k6 | 110 | 12 | 45 | M16x2 | |

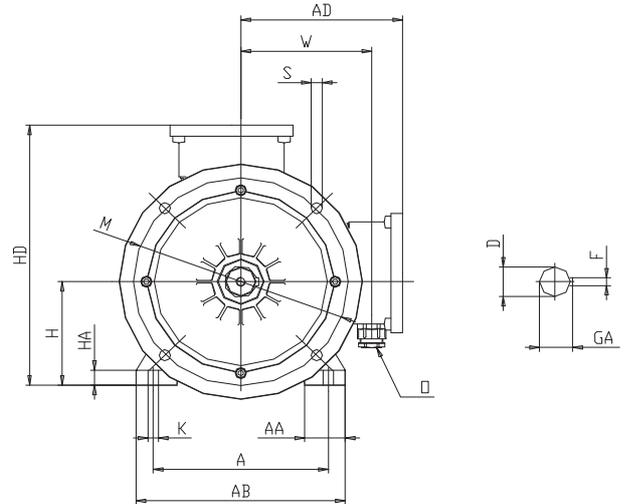
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 160÷200
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B3/B5 - Frame size 160÷200
External ventilated motors (IC 418)

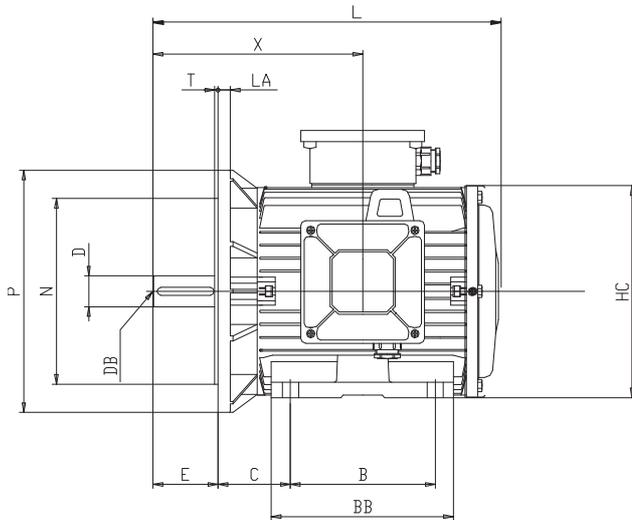


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | O |
|-----------|------------|-------------------------|----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | SA | H | HA | HC | HD | K | L | LC | X | W | |
| 160M | 2-4-6-8 | 254 | 67 | 315 | 245 | 210 | 332 | 108 | 227 | 160 | 20 | 325 | 405 | 14 | 765 | 765 | 345 | 195 | M40x1.5 |
| 160L | | 254 | 67 | 315 | 245 | 254 | 332 | 108 | 183 | 160 | 20 | 325 | 405 | 14 | 765 | 765 | 345 | 195 | M40x1.5 |
| 180MT | | 279 | 80 | 350 | 245 | 241 | 320 | 121 | 242 | 180 | 22 | 340 | 425 | 14 | 810 | 824 | 370 | 195 | M40x1.5 |
| 180LT | | 279 | 80 | 350 | 245 | 279 | 320 | 121 | 204 | 180 | 22 | 340 | 425 | 14 | 810 | 824 | 370 | 195 | M40x1.5 |
| 180L | | 279 | 80 | 350 | 275 | 279 | 320 | 121 | 226 | 180 | 22 | 360 | 450 | 14 | 850 | 846 | 370 | 221 | M40x1.5 |
| 200LT | | 318 | 90 | 395 | 275 | 305 | 365 | 133 | 247 | 200 | 24 | 380 | 475 | 18 | 875 | 905 | 400 | 215 | M40x1.5 |
| 200L | | 318 | 90 | 395 | 315 | 305 | 365 | 133 | 247 | 200 | 24 | 405 | 505 | 18 | 890 | 905 | 400 | 255 | M50x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | | |
|-----------|------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|----|------|---------|--|
| | | LA | M | N | P | S | T | D | E | F | GA | DB | |
| 160M | 2-4-6-8 | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 42 k6 | 110 | 12 | 45 | M16x2 | |
| 160L | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 42 k6 | 110 | 12 | 45 | M16x2 | |
| 180MT | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 48 k6 | 110 | 14 | 51.5 | M16x2 | |
| 180LT | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 48 k6 | 110 | 14 | 51.5 | M16x2 | |
| 180L | | 15 | 300 | 250 h6 | 350 | N.4 x 18 | 5 | 48 k6 | 110 | 14 | 51.5 | M16x2 | |
| 200LT | | 15 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | |
| 200L | | 15 | 350 | 300 h6 | 400 | N.4 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 | |

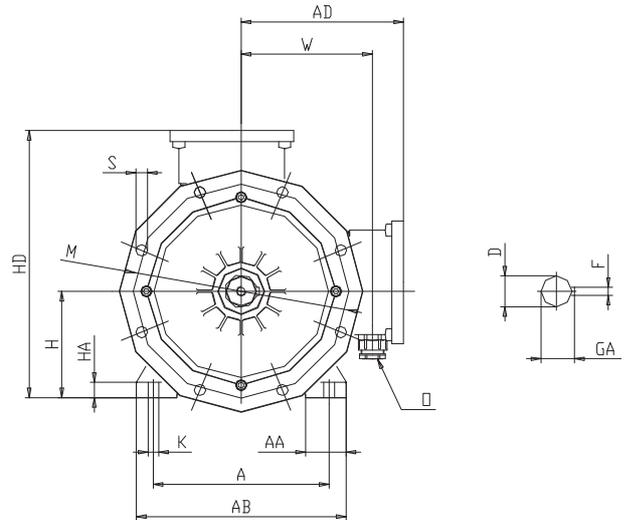
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 225T÷280T
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B3/B5 - Frame size 225T÷280T
External ventilated motors (IC 418)

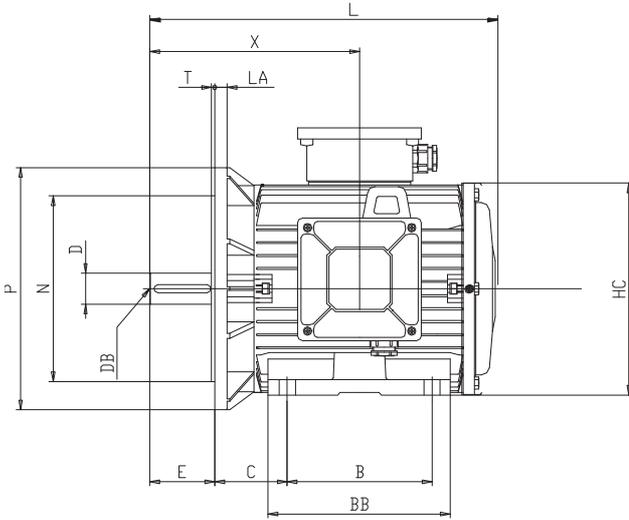


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|---------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 225ST | 4-6-8 | 356 | 80 | 436 | 315 | 286 | 370 | 149 | 225 | 30 | 420 | 515 | 18 | 995 | 445 | 245 | M50x1.5 |
| 225MT | 2 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 225 | 30 | 420 | 515 | 18 | 965 | 415 | 245 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 315 | 311 | 370 | 149 | 225 | 30 | 420 | 515 | 18 | 995 | 445 | 245 | M50x1.5 |
| 225M | 2 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 225 | 30 | 450 | 560 | 18 | 1040 | 415 | 280 | M50x1.5 |
| | 4-6-8 | 356 | 80 | 436 | 335 | 311 | 370 | 149 | 225 | 30 | 450 | 560 | 18 | 1070 | 445 | 280 | M50x1.5 |
| 250MT | 2 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 250 | 32 | 480 | 580 | 22 | 1105 | 485 | 270 | M50x1.5 |
| | 4-6-8 | 406 | 95 | 476 | 330 | 349 | 410 | 168 | 250 | 32 | 480 | 580 | 22 | 1105 | 485 | 270 | M50x1.5 |
| 280ST | 2 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 888 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 368 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 888 | 540 | 320 | M50x1.5 |
| 280MT | 2 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 939 | 540 | 320 | M50x1.5 |
| | 4-6-8 | 457 | 115 | 534 | 400 | 419 | 480 | 190 | 280 | 35 | 535 | 680 | 22 | 939 | 540 | 320 | M50x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|----|------|---------|
| | | LA | M | N | P | S | T | D | E | F | GA | DB |
| 225ST | 4-6-8 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225MT | 2 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 225M | 2 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 55 m6 | 110 | 16 | 59 | M20x2.5 |
| | 4-6-8 | 16 | 400 | 350 h6 | 450 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| 250MT | 2 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 60 m6 | 140 | 18 | 64 | M20x2.5 |
| | 4-6-8 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| 280ST | 2 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| 280MT | 2 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 18 | 500 | 450 h6 | 550 | N.8 x 18 | 5 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |

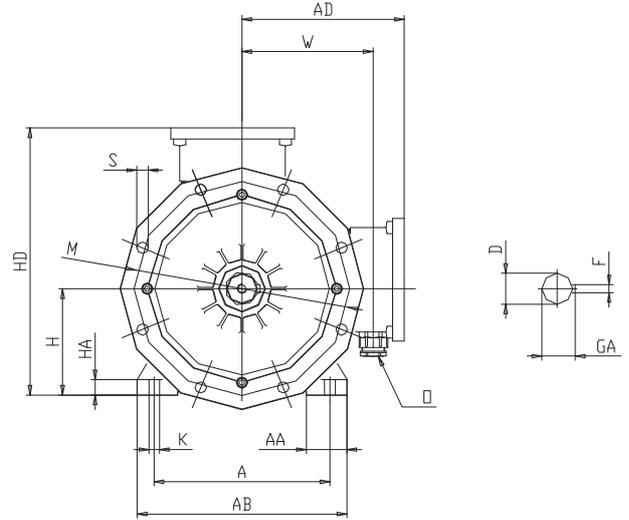
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 315T÷355T
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B3/B5 - Frame size 315T÷355T
External ventilated motors (IC 418)

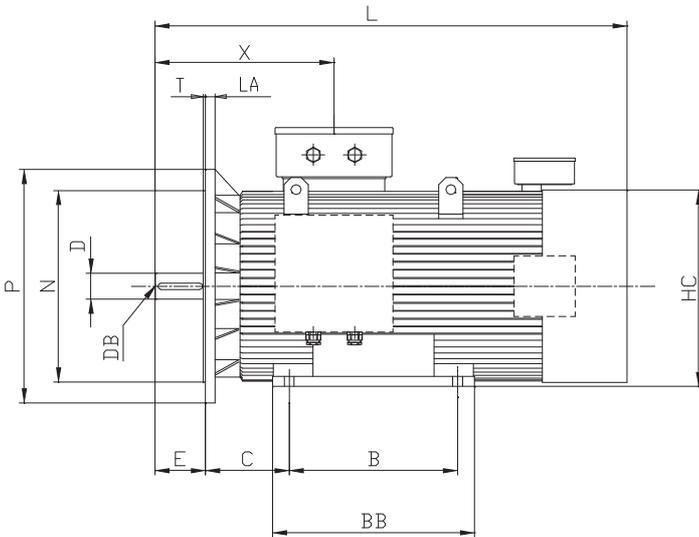


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | | | | |
|-----------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|------|-----|----|-----|-----|----|------|------|-----|-----|-------------|--|
| | | A | AA | AB | AD | B | BB | C | SA | H | HA | HC | HD | K | L | LC | X | W | O | |
| 315ST | 2 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 293 | 315 | 38 | 570 | 715 | 27 | 978 | 1195 | 560 | 320 | M63x1.5 | |
| | 4-6-8 | 508 | 130 | 576 | 400 | 406 | 480 | 216 | 293 | 315 | 38 | 570 | 715 | 27 | 1008 | 1255 | 590 | 320 | M63x1.5 | |
| 315M a-b-c-d | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 352 | 315 | 42 | 620 | 785 | 27 | 1029 | 1305 | 582 | 390 | N.2 M63x1.5 | |
| | 352 | | | | | | | | 1029 | | | | | | 1365 | 612 | | | | |
| 315M e-f-g | 2 | 508 | 135 | 600 | 470 | 457 | 545 | 216 | 352 | 315 | 42 | 620 | 785 | 27 | 1029 | 1305 | 582 | 390 | N.2 M63x1.5 | |
| | 457 | | | | | | | | 1029 | | | | | | 1470 | 612 | | | | |
| 355LT | 2 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 390 | 355 | 50 | 660 | 825 | 27 | 1278 | 1554 | 710 | 390 | N.2 M63x1.5 | |
| | 4-6-8 | 610 | 165 | 710 | 470 | 630 | 715 | 254 | 390 | 355 | 50 | 660 | 825 | 27 | 1348 | 1654 | 780 | 390 | N.2 M63x1.5 | |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | | Albero L.A. / DE shaft | | | | |
|-----------------------|---------------|------------------------|-----|--------|-----|----------|---|------------------------|-----|----|---------|---------|
| | | LA | M | N | P | S | T | D | E | F | GA | DB |
| 315ST | 2 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 4-6-8 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 80 m6 | 170 | 22 | 85 | M20x2.5 |
| 315M a-b-c-d-e-f-g | 2 | 22 | 600 | 550 h6 | 660 | N.8 x 22 | 6 | 65 m6 | 140 | 18 | 69 | M20x2.5 |
| | 80 m6 | | | | | | | 170 | 22 | 85 | M20x2.5 | |
| 355LT | 2 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 75 m6 | 140 | 20 | 79.5 | M20x2.5 |
| | 4-6-8 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 | 100 m6 | 210 | 28 | 106 | M24x3 |

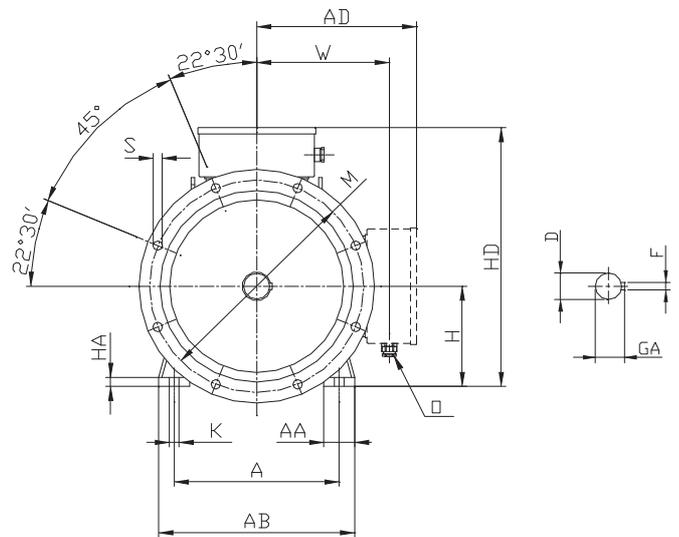
Dimensioni d'ingombro

Forma B3/B5 - Grandezza 355L÷355Lx
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B3/B5 - Frame size 355L÷355Lx
External ventilated motors (IC 418)

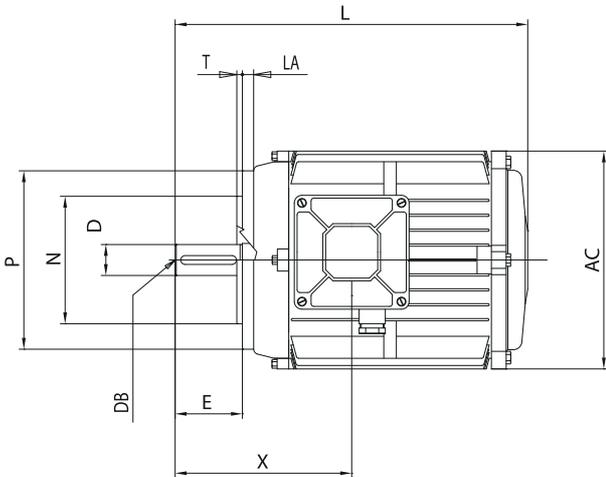


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | | | | |
|------------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|------|-----|-----|-------------|
| | | A | AA | AB | AD | B | BB | C | H | HA | HC | HD | K | L | X | W | O |
| 355L a-b-c | 2 | 610 | 120 | 730 | 545 | 630 | 700 | 254 | 355 | 35 | 690 | 900 | 27 | 1330 | 495 | 450 | N.2 M63x1.5 |
| | 1400 | | | | | | | | | | | | | 565 | | | |
| 355Lx a-b-c-d | 4-6-8 | 610 | 120 | 730 | 615 | 630 | 700 | 254 | 355 | 35 | 750 | 970 | 27 | 1590 | 570 | 515 | N.2 M63x1.5 |

| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | |
|------------------|---------------|------------------------|-----|--------|-----|----------|---|
| | | LA | M | N | P | S | T |
| 355L a-b-c | 2 | 25 | 740 | 680 h6 | 800 | N.8 x 22 | 6 |
| | 4-6-8 | | | | | | |
| 355Lx a-b-c-d | 4-6-8 | 28 | 740 | 680 h6 | 800 | N.8 x 22 | 6 |

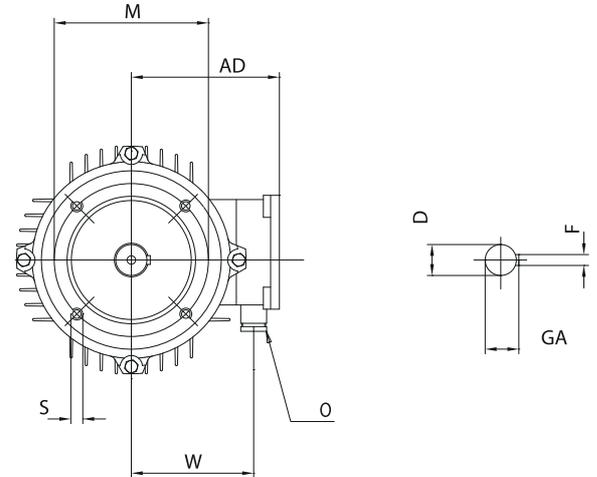
Dimensioni d'ingombro

Forma B14 - Grandezza 63÷100
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B14 - Frame size 63÷100
External ventilated motors (IC 418)

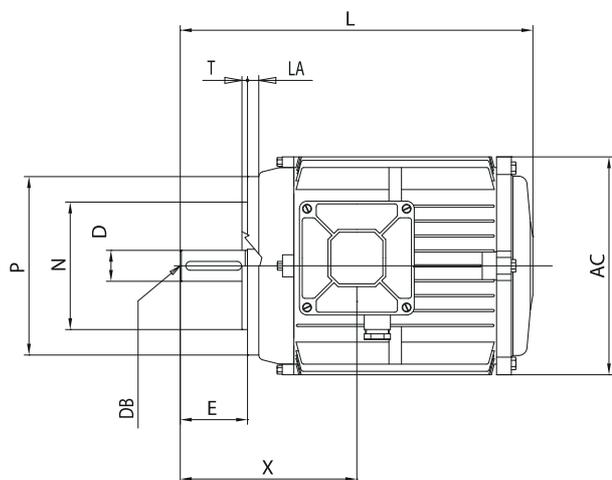


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|-----|--------|-------|---------|--------|--------|-----|---------|---------|-----|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O | |
| 63 | 2-4-6-8 | 125 | 95 | 212 | 8 | 75 | 60 j6 | 90 | N.4xM5 | 2.5 | 86 | 68 | M16x1.5 | |
| | | | | | | 85 | 70 j6 | 105 | N.4xM6 | 2.5 | | | | |
| | | | | | | 100 | 80 j6 | 120 | N.4xM6 | 3 | | | | |
| 71 | | 148 | 115 | 238 | 8 | 85 | 70 j6 | 105 | N.4xM6 | 2.5 | 111 | 88 | M20x1.5 | |
| | | | | | | 100 | 80 j6 | 120 | N.4xM6 | 3 | | | | |
| | | | | | | 115 | 95 j6 | 140 | N.4xM8 | 3 | | | | |
| 80 | | 170 | 126 | 274 | 8 | 85 | 70 j6 | 105 | N.4xM6 | 2.5 | 113 | 96 | M20x1.5 | |
| | | | | | | 100 | 80 j6 | 120 | N.4xM6 | 3 | | | | |
| | | | | | | 10 | 115 | 95 j6 | 140 | N.4xM8 | | | | 3 |
| | | | | | | | 130 | 110 j6 | 160 | N.4xM8 | | | | 3.5 |
| 90S | 185 | 142 | 297 | 10 | 115 | 95 j6 | 140 | N.4xM8 | 3 | 134 | 115 | M20x1.5 | | |
| | | | | | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | | | | | |
| 90L | 185 | 142 | 322 | 10 | 115 | 95 j6 | 140 | N.4xM8 | 3 | 134 | 115 | M20x1.5 | | |
| | | | | | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | | | | | |
| 100L | 210 | 155 | 361 | 10 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 160 | 123 | M25x1.5 | | |
| | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | | | |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|----|---|------|---------|
| | | D | E | F | GA | Db |
| 63 | 2-4-6-8 | 11 j6 | 23 | 4 | 12.5 | M4x0.7 |
| 71 | | 14 j6 | 30 | 5 | 16 | M5x0.8 |
| 80 | | 19 j6 | 40 | 6 | 21.5 | M6x1 |
| 90S | | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 90L | | 24 j6 | 50 | 8 | 27 | M8x1.25 |
| 100L | | 28 j6 | 60 | 8 | 31 | M10x1.5 |

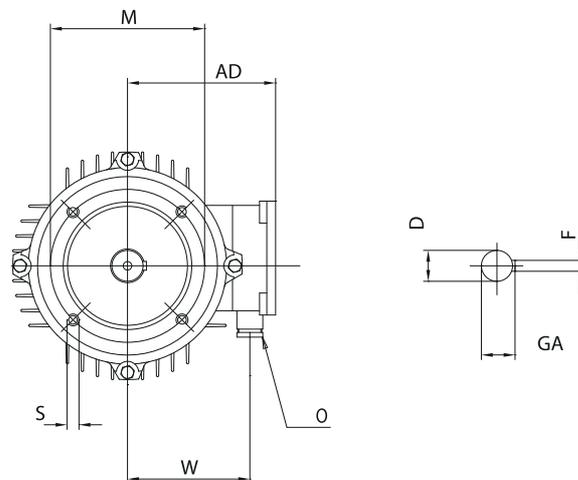
Dimensioni d'ingombro

Forma B14 - Grandezza 112T÷160T
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B14 - Frames size 112T÷160T
External ventilated motors (IC 418)

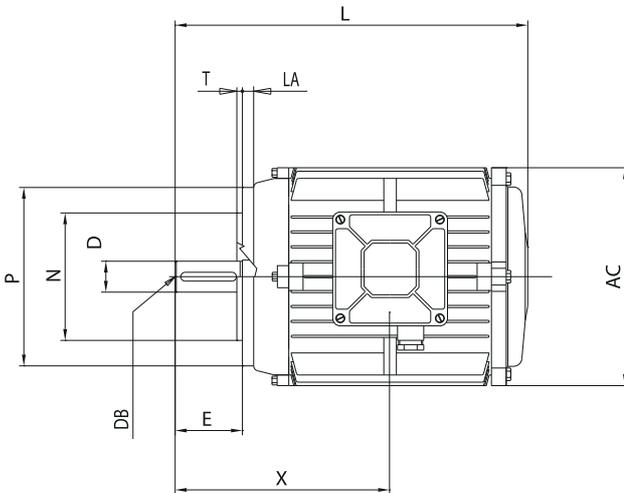


| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | |
|-----------|------------|-------------------------|-----|-----|----|-----|--------|-----|---------|-----|-----|-----|---------|
| | | AC | AD | L | LA | M | N | P | S | T | X | W | O |
| 112MT | 2÷8 | 210 | 155 | 361 | 10 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 160 | 123 | M25x1.5 |
| | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| 112M | | 225 | 166 | 380 | 10 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 157 | 140 | M25x1.5 |
| | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| 132S | | 260 | 200 | 470 | 15 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 198 | 162 | M25x1.5 |
| | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| | | | | | | 215 | 180 j6 | 250 | N.4xM12 | 4 | | | |
| 132M | | 260 | 200 | 496 | 15 | 130 | 110 j6 | 160 | N.4xM8 | 3.5 | 198 | 162 | M25x1.5 |
| | | | | | | 165 | 130 j6 | 200 | N.4xM10 | 3.5 | | | |
| | | | | | | 215 | 180 j6 | 250 | N.4xM12 | 4 | | | |
| 160MT | | 260 | 215 | 570 | 18 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 275 | 170 | M32x1.5 |

| Tipo Type | Poli Poles | Albero L.A. / DE shaft | | | | |
|-----------|------------|------------------------|-----|----|----|----------|
| | | D | E | F | GA | DB |
| 112MT | 2÷8 | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 112M | | 28 j6 | 60 | 8 | 31 | M10x1.5 |
| 132S | | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 132M | | 38 k6 | 80 | 10 | 41 | M12x1.75 |
| 160MT | | 42 k6 | 110 | 12 | 45 | M16x2 |

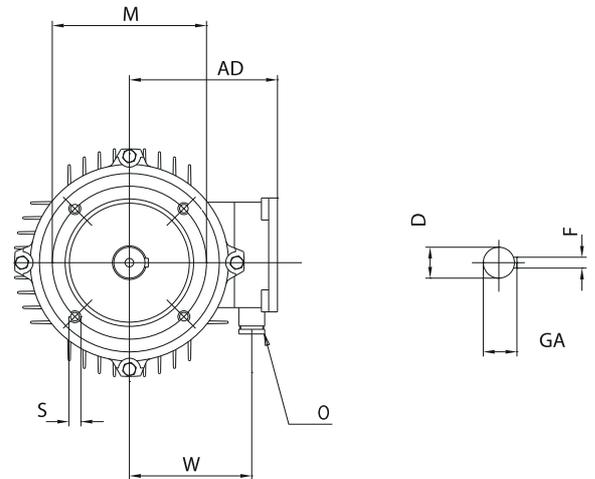
Dimensioni d'ingombro

Forma B14 - Grandezza 160÷180T
Motori con ventilazione esterna (IC 418)



Overall dimensions

Mounting B14 - Frame size 160÷180T
External ventilated motors (IC 418)



| Tipo Type | Poli Poles | Dimensioni / Dimensions | | | | | | | | | | | | |
|--------------|---------------|-------------------------|-----|-----|----|-----|-----|--------|-----|---------|---|-----|-----|---------|
| | | AC | AD | L | LA | LC | M | N | P | S | T | X | W | O |
| 160M | 2-4-6-8 | 320 | 245 | 650 | 18 | 765 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 345 | 195 | M40x1.5 |
| 160L | | 320 | 245 | 650 | 18 | 765 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 345 | 195 | M40x1.5 |
| 180MT | | 320 | 245 | 690 | 18 | 824 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 370 | 195 | M40x1.5 |
| 180LT | | 320 | 245 | 690 | 18 | 824 | 215 | 180 j6 | 250 | N.4xM12 | 4 | 370 | 195 | M40x1.5 |

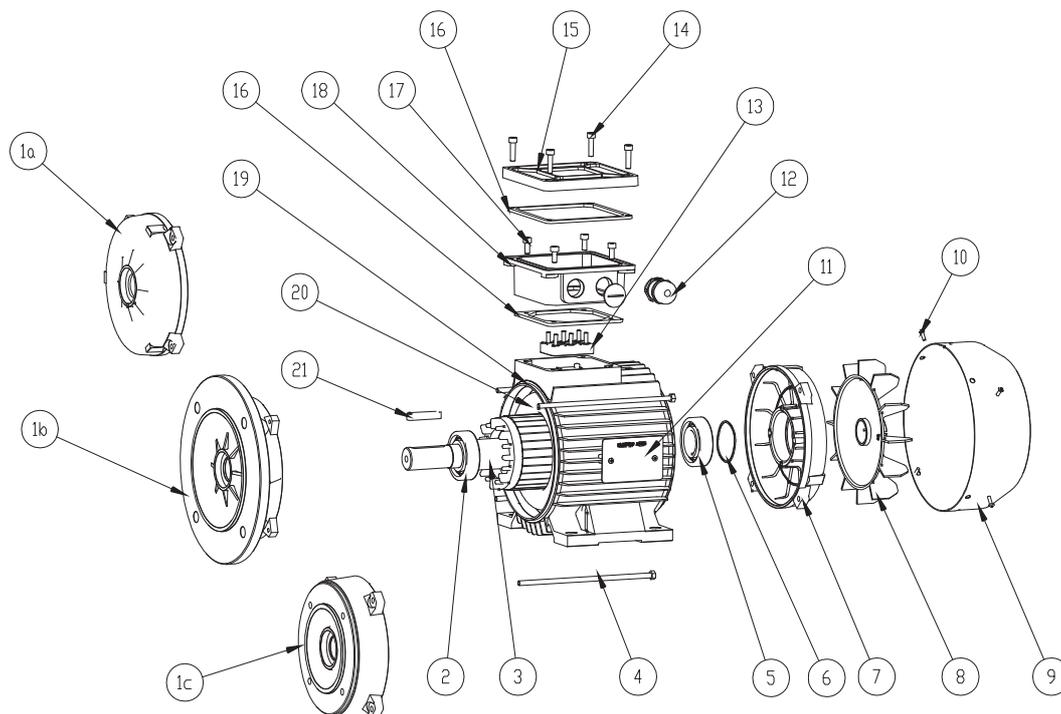
| Tipo Type | Poli Poles | Flangia B5 / Flange B5 | | | | | Albero L.A. / DE shaft | | | | |
|--------------|---------------|------------------------|-----|----|------|-------|------------------------|-----|----|------|-------|
| | | D | E | F | GA | DB | DA | EA | FA | GC | DC |
| 160M | 2-4-6-8 | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 160L | | 42 k6 | 110 | 12 | 45 | M16x2 | 42 k6 | 110 | 12 | 45 | M16x2 |
| 180MT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |
| 180LT | | 48 k6 | 110 | 14 | 51.5 | M16x2 | 48 k6 | 110 | 14 | 51.5 | M16x2 |

Denominazione componenti

Name of components

Serie SA
Grandezza 63÷112

SA Series
Frame 63÷112



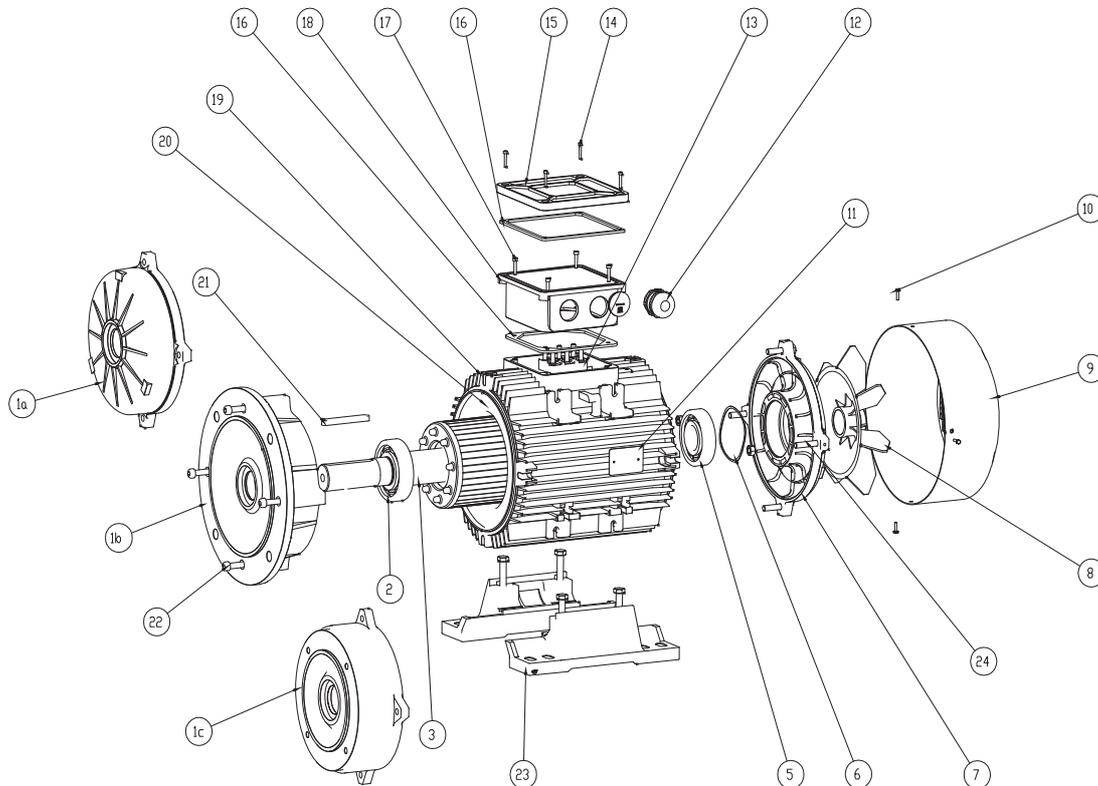
| | | | |
|-----------|---|-----------|-------------------------------------|
| 1a | Scudo anteriore | 1a | Front shield |
| 1b | Flangia B5 | 1b | Front shield with flange B5 |
| 1c | Flangia B14 | 1c | Front shield with flange B14 |
| 2 | Cuscinetto anteriore | 2 | Front bearing |
| 3 | Albero con rotore | 3 | Shaft with rotor |
| 4 | Tirante | 4 | Tie-bolt |
| 5 | Cuscinetto posteriore | 5 | Rear bearing |
| 6 | Molla di compensazione | 6 | Compensating spring |
| 7 | Scudo posteriore | 7 | Rear shield |
| 8 | Ventola di raffreddamento | 8 | Cooling fan |
| 9 | Copriventola | 9 | Fan cover |
| 10 | Vite fissaggio copriventola | 10 | Fixing screw for fan cover |
| 11 | Targa dati motore | 11 | Rating plate |
| 12 | Pressacavo | 12 | Cable gland |
| 13 | Morsettiera | 13 | Terminal board |
| 14 | Vite fissaggio coperchio coprimorsettiera | 14 | Fixing screw for terminal box cover |
| 15 | Coperchio coprimorsettiera | 15 | Terminal box cover |
| 16 | Guarnizione coprimorsettiera | 16 | Gasket |
| 17 | Vite fissaggio coprimorsettiera | 17 | Fixing screw for terminal box |
| 18 | Coprimorsettiera | 18 | Terminal-box |
| 19 | Carcassa con statore | 19 | Frame with stator package |
| 20 | Avvolgimento | 20 | Winding |
| 21 | Chiavetta lato accoppiamento | 21 | Coupling side key |

Denominazione componenti

Name of components

Serie SA Grandezza 132÷200

SA Series Frame 132÷200



| | | | |
|-----------|---|-----------|-------------------------------------|
| 1a | Scudo anteriore | 1a | Front shield |
| 1b | Flangia B5 | 1b | Front shield with flange B5 |
| 1c | Flangia B14 | 1c | Front shield with flange B14 |
| 2 | Cuscinetto anteriore | 2 | Front bearing |
| 3 | Albero con rotore | 3 | Shaft with rotor |
| 5 | Cuscinetto posteriore | 5 | Rear bearing |
| 6 | Molla di compensazione | 6 | Compensating spring |
| 7 | Scudo posteriore | 7 | Rear shield |
| 8 | Ventola di raffreddamento | 8 | Cooling fan |
| 9 | Copriventola | 9 | Fan cover |
| 10 | Vite fissaggio copriventola | 10 | Fixing screw for fan cover |
| 11 | Targa dati motore | 11 | Rating plate |
| 12 | Pressacavo | 12 | Cable gland |
| 13 | Morsettiera | 13 | Terminal board |
| 14 | Vite fissaggio coperchio coprimorsettiera | 14 | Fixing screw for terminal box cover |
| 15 | Coperchio coprimorsettiera | 15 | Terminal box cover |
| 16 | Guarnizione coprimorsettiera | 16 | Gasket |
| 17 | Vite fissaggio coprimorsettiera | 17 | Fixing screw for terminal box |
| 18 | Coprimorsettiera | 18 | Terminal-box |
| 19 | Carcassa con statore | 19 | Frame with stator package |
| 20 | Avvolgimento | 20 | Winding |
| 21 | Chiavetta lato accoppiamento | 21 | Coupling side key |
| 22 | Vite fissaggio flangia/scudo - carcassa | 22 | Fixing screw for shield/flange |
| 23 | Piedi | 23 | Removable foot |
| 24 | Vite fissaggio scudo - carcassa | 24 | Fixing screw for shield |

Per altezza d'asse 132 i piedi sono di fusione con la carcassa.
Versione B14 solo fino all'altezza d'asse 180T.

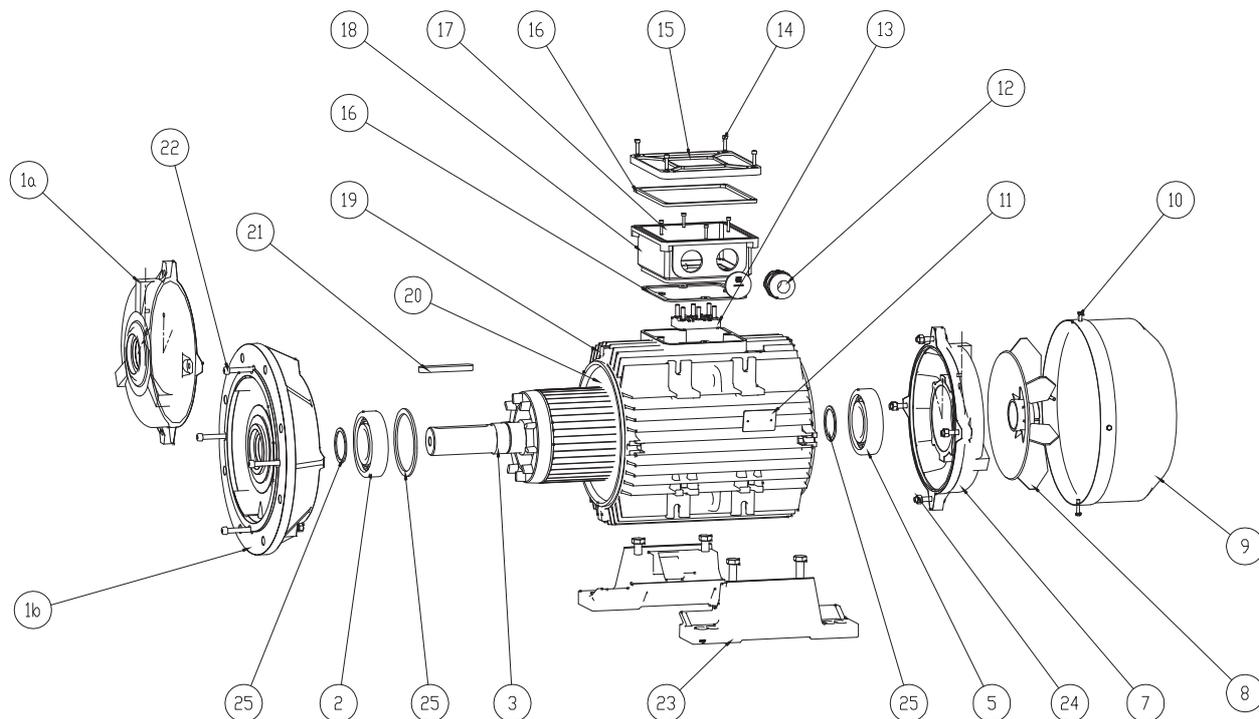
For 132 frame size, feet are casted with frame.
Monting B14 till 180T frame only.

Denominazione componenti

Name of components

Serie SA Grandezza 225÷250

SA Series Frame 225÷250



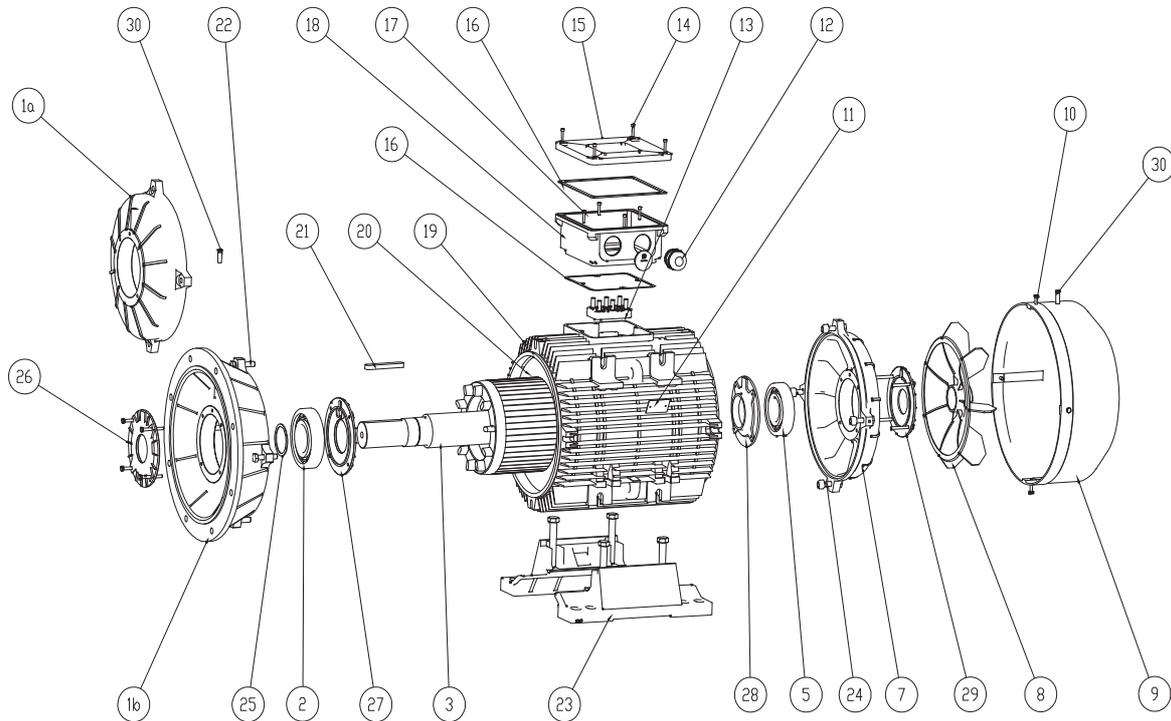
| | | | |
|-----------|---|-----------|-------------------------------------|
| 1a | Scudo anteriore | 1a | Front shield |
| 1b | Flangia B5 | 1b | Front shield with flange B5 |
| 2 | Cuscinetto anteriore | 2 | Front bearing |
| 3 | Albero con rotore | 3 | Shaft with rotor |
| 5 | Cuscinetto posteriore | 5 | Rear bearing |
| 7 | Scudo posteriore | 7 | Rear shield |
| 8 | Ventola di raffreddamento | 8 | Cooling fan |
| 9 | Copriventola | 9 | Fan cover |
| 10 | Vite fissaggio copriventola | 10 | Fixing screw for fan cover |
| 11 | Targa dati motore | 11 | Rating plate |
| 12 | Pressacavo | 12 | Cable gland |
| 13 | Morsettiera | 13 | Terminal board |
| 14 | Vite fissaggio coperchio coprimorsettiera | 14 | Fixing screw for terminal box cover |
| 15 | Coperchio coprimorsettiera | 15 | Terminal box cover |
| 16 | Guarnizione coprimorsettiera | 16 | Gasket |
| 17 | Vite fissaggio coprimorsettiera | 17 | Fixing screw for terminal box |
| 18 | Coprimorsettiera | 18 | Terminal-box |
| 19 | Carcassa con statore | 19 | Frame with stator package |
| 20 | Avvolgimento | 20 | Winding |
| 21 | Chiavetta lato accoppiamento | 21 | Coupling side key |
| 22 | Vite fissaggio flangia/scudo - carcassa | 22 | Fixing screw for shield/flange |
| 23 | Piedi | 23 | Removable foot |
| 24 | Vite fissaggio scudo - carcassa | 24 | Fixing screw for shield |
| 25 | Anello elastico seeger | 25 | Seeger elastic ring |
| 24 | Vite fissaggio scudo - carcassa | 24 | Fixing screw for shield |

Denominazione componenti

Name of components

Serie SA Grandezza 280÷315

SA Series Frame 280÷315



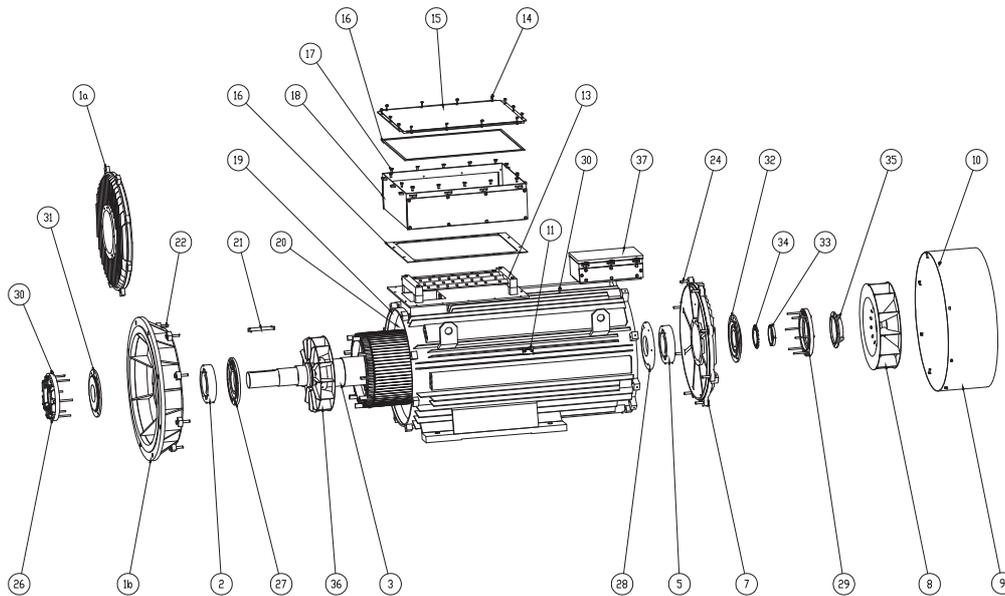
| | | | |
|-----------|--|-----------|-------------------------------------|
| 1a | Scudo anteriore | 1a | Front shield |
| 1b | Flangia B5 | 1b | Front shield with flange B5 |
| 2 | Cuscinetto anteriore | 2 | Front bearing |
| 3 | Albero con rotore | 3 | Shaft with rotor |
| 5 | Cuscinetto posteriore | 5 | Rear bearing |
| 7 | Scudo posteriore | 7 | Rear shield |
| 8 | Ventola di raffreddamento | 8 | Cooling fan |
| 9 | Copriventola | 9 | Fan cover |
| 10 | Vite fissaggio copriventola | 10 | Fixing screw for fan cover |
| 11 | Targa dati motore | 11 | Rating plate |
| 12 | Pressacavo | 12 | Cable gland |
| 13 | Morsettiera | 13 | Terminal board |
| 14 | Vite fissaggio coperchio coprimorsettiera | 14 | Fixing screw for terminal box cover |
| 15 | Coperchio coprimorsettiera | 15 | Terminal box cover |
| 16 | Guarnizione coprimorsettiera | 16 | Gasket |
| 17 | Vite fissaggio coprimorsettiera | 17 | Fixing screw for terminal box |
| 18 | Coprimorsettiera | 18 | Terminal-box |
| 19 | Carcassa con statore | 19 | Frame with stator package |
| 20 | Avvolgimento | 20 | Winding |
| 21 | Chiavetta lato accoppiamento | 21 | Coupling side key |
| 22 | Vite fissaggio flangia/scudo - carcassa | 22 | Fixing screw for shield/flange |
| 23 | Piedi | 23 | Removable foot |
| 24 | Vite fissaggio scudo - carcassa | 24 | Fixing screw for shield |
| 25 | Anello elastico seeger | 25 | Seeger elastic ring |
| 26 | Coperchietto paragrasso anteriore esterno | 26 | Inner front side grease-guard cover |
| 27 | Coperchietto paragrasso anteriore interno | 27 | Outer front side grease-guard cover |
| 28 | Coperchietto paragrasso posteriore interno | 28 | Inner rear side grease-guard cover |
| 29 | Coperchietto paragrasso posteriore esterno | 29 | Outer rear side grease-guard cover |
| 30 | Ingrassatore "Tecalamit" | 30 | "Tecalamit" lubricator |

Denominazione componenti

Name of components

Serie SS - Forma B3 - B3/B5
Grandezza 355÷500

SS Series - Mounting B3 - B3/B5
Frame 355÷500



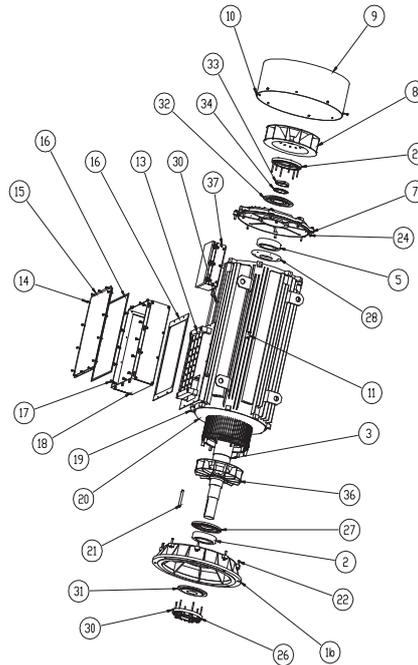
| | | | |
|-----------|--|-----------|-------------------------------------|
| 1a | Scudo anteriore | 1a | Front shield |
| 1b | Flangia B5 | 1b | Front shield with flange B5 |
| 2 | Cuscinetto anteriore | 2 | Front bearing |
| 3 | Albero con rotore | 3 | Shaft with rotor |
| 5 | Cuscinetto posteriore | 5 | Rear bearing |
| 7 | Scudo posteriore | 7 | Rear shield |
| 8 | Ventola di raffreddamento | 8 | Cooling fan |
| 9 | Copriventola | 9 | Fan cover |
| 10 | Vite fissaggio copriventola | 10 | Fixing screw for fan cover |
| 11 | Targa dati motore | 11 | Rating plate |
| 13 | Morsettiera | 13 | Terminal board |
| 14 | Vite fissaggio coperchio coprिमorsettiera | 14 | Fixing screw for terminal box cover |
| 15 | Coperchio coprिमorsettiera | 15 | Terminal box cover |
| 16 | Guarnizione coprिमorsettiera | 16 | Gasket |
| 17 | Vite fissaggio coprिमorsettiera | 17 | Fixing screw for terminal box |
| 18 | Coprिमorsettiera | 18 | Terminal-box |
| 19 | Carcassa con statore | 19 | Frame with stator package |
| 20 | Avvolgimento | 20 | Winding |
| 21 | Chiavetta lato accoppiamento | 21 | Coupling side key |
| 22 | Vite fissaggio flangia/scudo - carcassa | 22 | Fixing screw for shield/flange |
| 24 | Vite fissaggio scudo - carcassa | 24 | Fixing screw for shield |
| 26 | Coperchietto paragrasso anteriore esterno | 26 | Inner front side grease-guard cover |
| 27 | Coperchietto paragrasso anteriore interno | 27 | Outer front side grease-guard cover |
| 28 | Coperchietto paragrasso posteriore interno | 28 | Inner rear side grease-guard cover |
| 29 | Coperchietto paragrasso posteriore esterno | 29 | Outer rear side grease-guard cover |
| 30 | Ingrassatore "Tecalamit" | 30 | "Tecalamit" lubricator |
| 31 | Valvola rotante anteriore | 31 | Front side grease slinger |
| 32 | Valvola rotante posteriore | 32 | Rear side grease slinger |
| 33 | Ghiera di bloccaggio | 33 | Ring nut |
| 34 | Rosetta di sicurezza | 34 | Locking washers |
| 35 | Coperchietto valvola a grasso | 35 | Grease slinger cover |
| 36 | Ventola di raffreddamento interna | 36 | Inner cooling fan |
| 37 | Coprिमorsettiera ausiliari | 37 | Auxiliary terminal box |

Denominazione componenti

Name of components

Serie SS - Forma V1
Grandezza 355÷500

SS Series - Mounting V1
Frame 355÷500



| | | | |
|-----------|--|-----------|-------------------------------------|
| 1b | Flangia B5 | 1b | Front shield with flange B5 |
| 2 | Cuscinetto anteriore | 2 | Front bearing |
| 3 | Albero con rotore | 3 | Shaft with rotor |
| 5 | Cuscinetto posteriore | 5 | Rear bearing |
| 7 | Scudo posteriore | 7 | Rear shield |
| 8 | Ventola di raffreddamento | 8 | Cooling fan |
| 9 | Copriventola | 9 | Fan cover |
| 10 | Vite fissaggio copriventola | 10 | Fixing screw for fan cover |
| 11 | Targa dati motore | 11 | Rating plate |
| 13 | Morsettiera | 13 | Terminal board |
| 14 | Vite fissaggio coperchio coprimorsettiera | 14 | Fixing screw for terminal box cover |
| 15 | Coperchio coprimorsettiera | 15 | Terminal box cover |
| 16 | Guarnizione coprimorsettiera | 16 | Gasket |
| 17 | Vite fissaggio coprimorsettiera | 17 | Fixing screw for terminal box |
| 18 | Coprimorsettiera | 18 | Terminal-box |
| 19 | Carcassa con statore | 19 | Frame with stator package |
| 20 | Avvolgimento | 20 | Winding |
| 21 | Chiavetta lato accoppiamento | 21 | Coupling side key |
| 22 | Vite fissaggio flangia/scudo - carcassa | 22 | Fixing screw for shield/flange |
| 24 | Vite fissaggio scudo - carcassa | 24 | Fixing screw for shield |
| 26 | Coperchietto paragrasso anteriore esterno | 26 | Inner front side grease-guard cover |
| 27 | Coperchietto paragrasso anteriore interno | 27 | Outer front side grease-guard cover |
| 28 | Coperchietto paragrasso posteriore interno | 28 | Inner rear side grease-guard cover |
| 29 | Coperchietto paragrasso posteriore esterno | 29 | Outer rear side grease-guard cover |
| 30 | Ingrassatore "Tecalamit" | 30 | "Tecalamit" lubricator |
| 31 | Valvola rotante anteriore | 31 | Front side grease slinger |
| 32 | Valvola rotante posteriore | 32 | Rear side grease slinger |
| 33 | Ghiera di bloccaggio | 33 | Ring nut |
| 34 | Rosetta di sicurezza | 34 | Locking washers |
| 36 | Ventola interna | 36 | Inner cooling fan |
| 37 | Coprimorsettiera ausiliari | 37 | Auxiliary terminal box |



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service@electroadda.com

After sales service

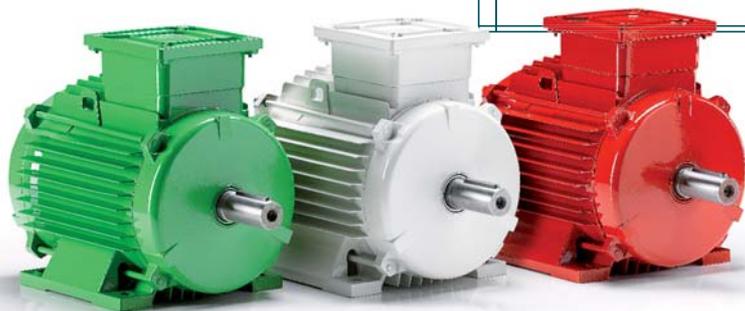
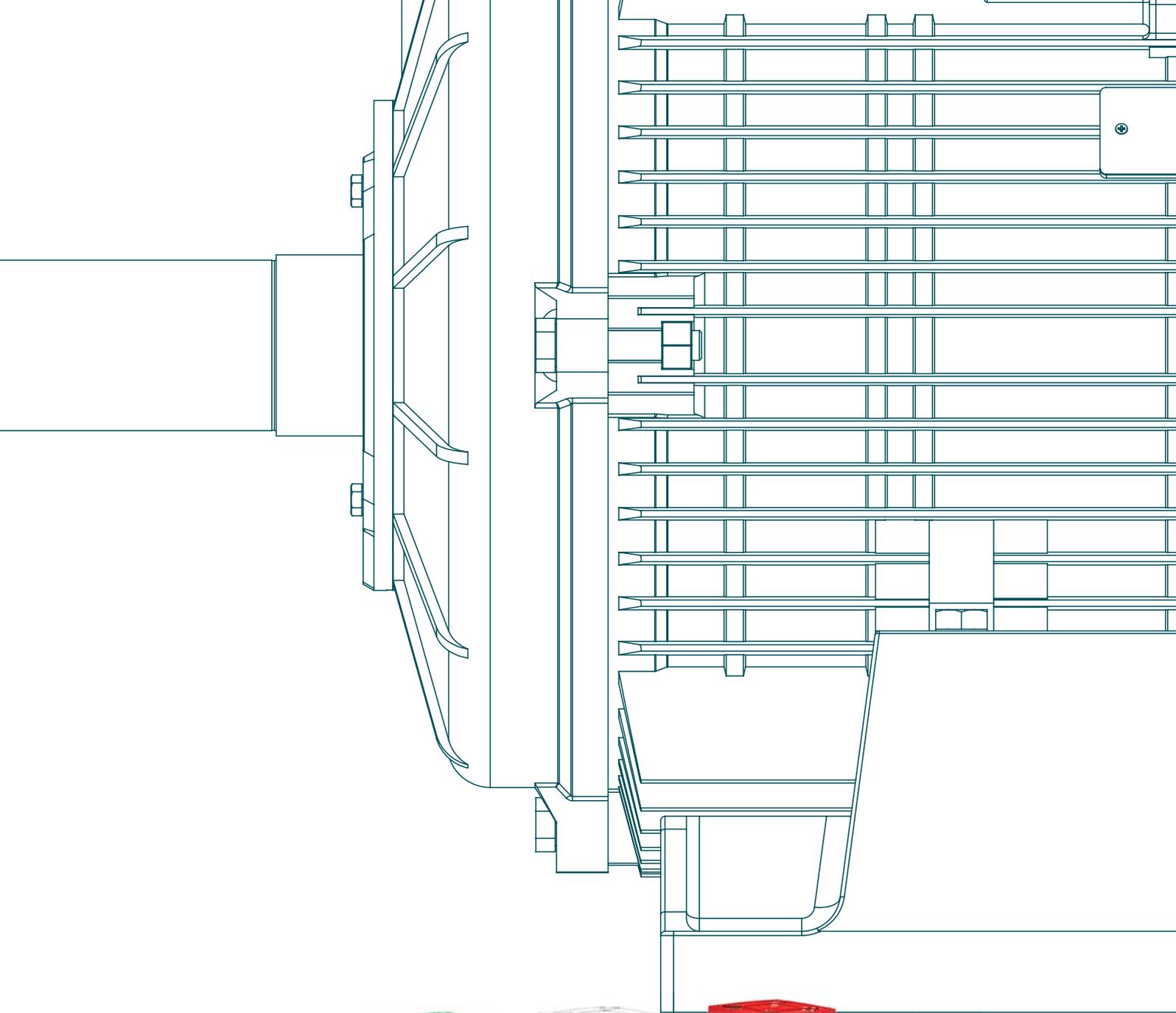
For after sales assistance refer to the site

www.electroadda.com

or contact the email address

service@electroadda.com





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