

The motor, in the heart.

Founded in 1948, today Electro Adda is an historical acknowledged Italian Company committed to innovation and research, technological partner of leading companies in Europe and worldwide.

Specialized in the production of standard and tailored electric motors for all industrial uses and for the most demanding applications, Electro Adda is a recognised example of the Made in Italy quality: from design to testing, every stage of the production steps takes place at the company sites.

Thanks to manufacturing capabilities and organizing flex-

ibility, Electro Adda is able to develop targeted engineering projects and deliver custom-made orders. Electro Adda customer will be supported with essential contribution to innovation particularly in the most highly competitive sectors.

With its latest-generation, low-consumption, high-efficiency motors and its new complete range of IE3 and IE4 motors, Electro Adda offers reliable quality solutions, able to meet new challenges, in step with the most advanced technology and cutting-edge in terms of energy saving and environmental compatibility.



Electro Adda HQ and main production facility in Beverate, LC - Italy

Certified quality, guaranteed excellence.

Electro Adda vision of quality is a transversal principle which marks its entire production cycle and involves every aspect of the company life, from design to control and organization.

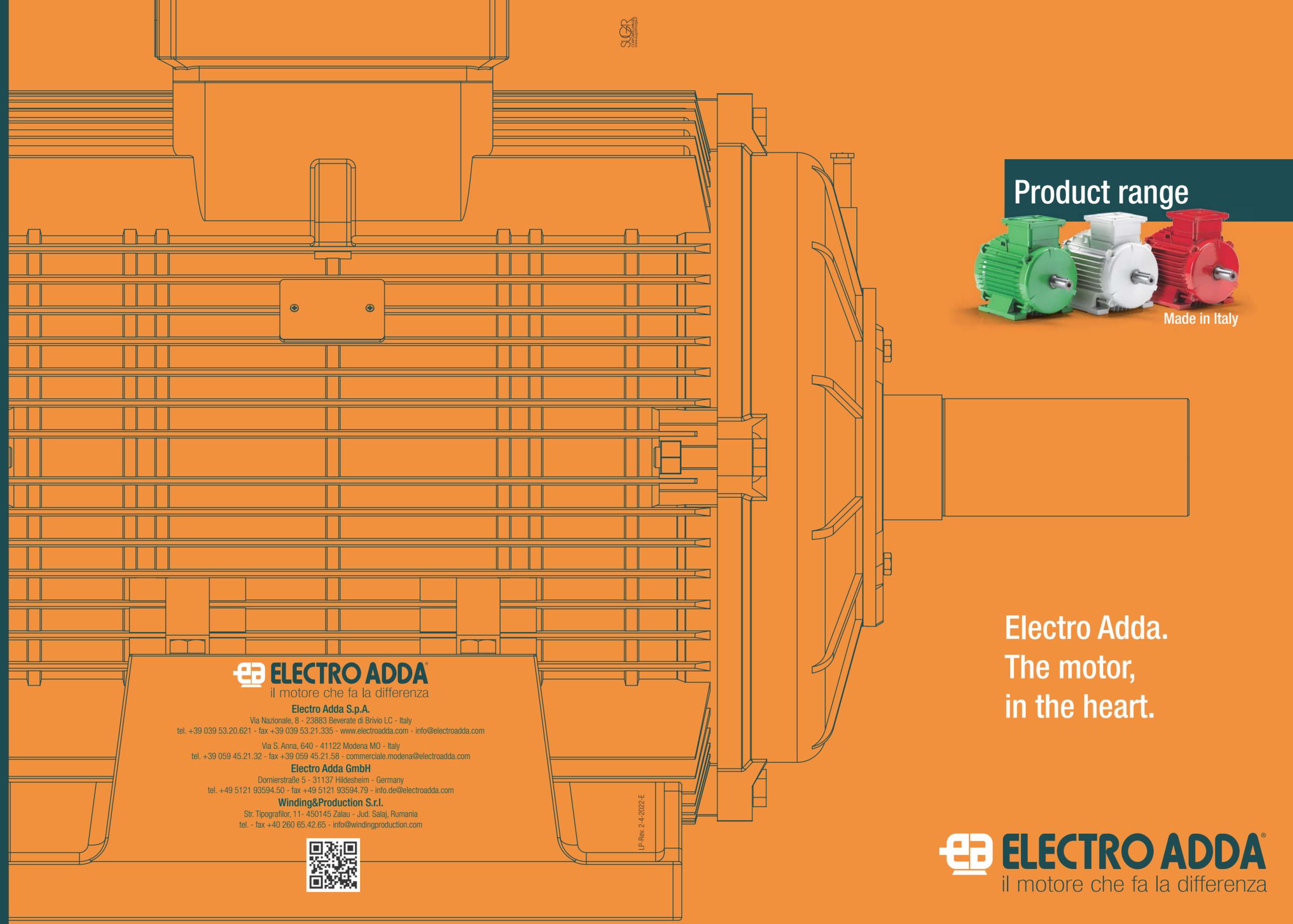
The company is ISO9001-2015 certified and authoritative national and international certifications - CESI, ATEX, CSQ, CSA, UL, EAC, LLOYD'S REGISTER - certify the conformity of the products with the highest requirements of

quality and safety.

The excellence of performances in terms of efficiency, productivity and reliability is endorsed by the research bodies and by the universities which for many years have been cooperating in the realization of the customized engineering projects. Electro Adda motors undergo to checks and verification tests, substantiating their results by means of certified official data.



Test bench industry 4.0: load test on marine motor



Product range



Made in Italy

Electro Adda.
The motor,
in the heart.

ea ELECTRO ADDA
il motore che fa la differenza

Electro Adda S.p.A.

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ea ELECTRO ADDA
il motore che fa la differenza



C SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS

Industrial applications, heavy duty, wood and stone machinery

CA SERIES

Aluminium frame
Power 0,05÷250 kW
Frame sizes 63÷355LT

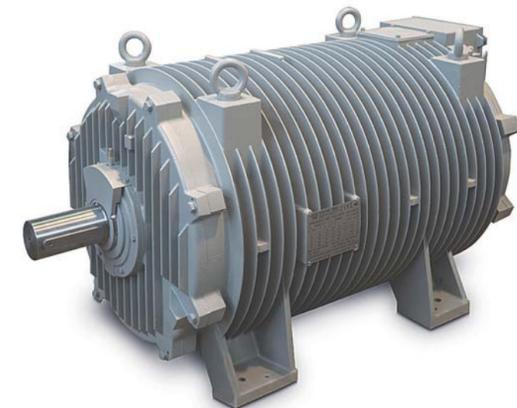
Protection degree - cooling:
• IP 55 - IC 411 self-ventilated
• IP 55 - IC 416 forced ventilation
Suitable for inverter supply (up to 690 V)

CS SERIES

Steel frame
Power 250÷1600 kW
Frame sizes 355L÷560

Vacuum pressure impregnation (VPI) with ELECTRO ADDA HVP system (High Voltage Performance)
IEC 60034-1 Standards
UL/CSA Certification (on request)
EAC Certification (on request)
CA motors are available also in the ATEX ZONE 22 version

Insulation Class F
Efficiency class up to IE4
2, 4, 6, 8 poles motors and multi speed motors



PE SERIES

EXPLOSION-PROOF SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS ATEX DIRECTIVE Oil&gas

PE - Ex-d SERIES

Zone 1; Group II (IIA-IIB);
Category 2G, T3, T4, T5
Zone 2; Group II;
Category 3G, T3, T4
Power 0,25÷22 kW
Frame sizes 71÷180
Insulation Class F
Protection degree IP 55
Cooling type IC 411 self-ventilated
Suitable for inverter supply (upon request)

PE - Ex-d Ex-de SERIES

Zone 1; Group II (IIA-IIIC);
Category 2G, T3, T4
Zone 2; Group II (IIA-IIIC);
Category 3G, T3, T4
Power 0,09÷400 kW
Frame sizes 63÷355X
Insulation Class F
Protection degree IP 55
Cooling type IC 411 self-ventilated
Suitable for inverter supply (upon request)

MR SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS Roller table

Very sturdy construction for heavy duty in the steel industry (up to 5000 Nm)
Rated torque 30÷5000 Nm
Frame sizes 132÷450
Insulation Class H
Temperature rise Class F
Protection degree IP 55 (IP 65 on request)

Cooling type IC 410 (natural cooling)
Suitable for inverter supply (up to 690 V)
Vacuum pressure impregnation (VPI) with ELECTRO ADDA HVP system (High Voltage Performance)
IEC 60034-1 Standards
EAC and UL Certification (on request)



W SERIES

WATER COOLED SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS Marine and steel plants applications

Steel frame
Power 11÷2500 kW
Frame sizes 132÷560
Insulation Class F
Water cooling (IC7 A1W7)
Protection degree IP 55 (IP 56 on request)
Suitable for inverter supply (up to 690 V)
Vacuum pressure impregnation (VPI) with ELECTRO ADDA HVP system (High Voltage Performance)
IEC 60034-1 Standards
EAC (on request)

Advantages:

- Smaller overall dimensions and lighter motors
- Lower heat release into the working environment
- Lower noise
- No power reduction even at high ambient temperatures
- They can be used at a wide speed range at constant torque without derating
- Suitable for installation in harsh environments
- High power density



FE SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS BRAKE MOTORS Handling and lifting

With AC electromagnetic disc brake
Power 0.25÷90 kW
Frame sizes 71÷280

Insulation Class F
Protection degree IP 55
Cooling type IC 411 self-ventilated or IC 416 with forced ventilation
Suitable for inverter supply
IEC 60034-1 Standards
EAC Certification (on request)
UL/CSA certification for USA and Canada markets
Marine construction LR approved
IE3 efficiency class

FECC SERIES

With DC electromagnetic disc brake
Power 0.13÷280 kW
Frame sizes 63÷355

FECCL SERIES

With DC electromagnetic disc brake
Power 0.13÷22 kW
Frame sizes 63÷180

TH SERIES (for thrusters and propulsion systems) MAR SERIES (for on-board applications)

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS Marine and Naval

TH SERIES

Power 160÷1500 kW (and higher for intermittent duty e.g. S 30 mins)
Frame sizes 280÷560
Protection degree - cooling:
• IP 23S - IC01 self-ventilated (TH-A type)
• IP 54/55 - IC 411 self-ventilated (TH-C type)
• IP 55 - IC7 A1W7 water cooled (TH-W type)

Protection degree - cooling:
• IP 55 - IC 411 self-ventilated
• IP 55 - IC 416 forced ventilation
Higher protection degrees available on request

Insulation Class F
Suitable for inverter supply (up to 690 V)
Vacuum pressure impregnation (VPI) with ELECTRO ADDA HVP system (High Voltage Performance)
IEC 60034-1 Standards
In compliance with the requirements of the following Classification Bodies: RINA, LRS, BV, ABS, DNV-GL, KR, IRS, NK

MAR SERIES

Power 11÷1500 kW
Frame sizes 160÷500



CR SERIES

WOUND ROTOR (SLIP RING) THREE-PHASE ASYNCHRONOUS MOTORS Cranes and mills

Aluminium and steel frame
Wound rotor (Slip ring)
Power 0,75÷850 kW
Frame sizes 100÷560
Insulation Class F
Protection degree IP 54

Cooling IC 411 self-ventilated
Vacuum pressure impregnation (VPI) with ELECTRO ADDA HVP system (High Voltage Performance)
Parking brake on request
IE C60034-1 Standards

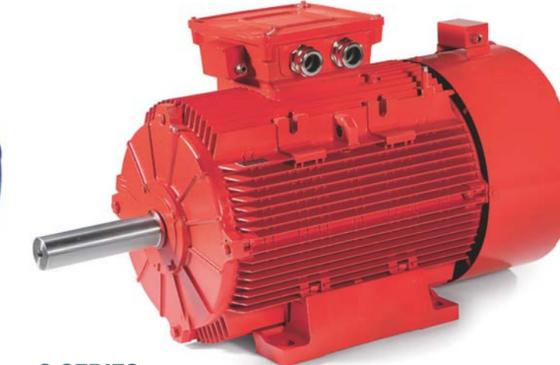


S SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS Smoke extraction systems

Power 0,09÷500 kW
Frame sizes 63÷355
Insulation Class H
Efficiency classes IE1/IE2/IE3
2, 4, 6, 8 poles motors and multi speed motors
Suitable for inverter supply
IEC 60034-1, IEC 60034-30 Standards (on request)

Protection degree - cooling
• IP 55 - IC 411 self-ventilated
• IP 55 - IC 418 external ventilation
Special construction for high temperature operation:
Classes F200 (200°C for 120')
F300 (300°C for 60/120')
F400 (400°C for 120')



G SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS GENERATORS Renewable energies

Power 11÷1500 kW
Frame sizes 160÷500
Insulation Class F
Protection degree - cooling:
IP 23S - IC01 self-ventilated (G-A type)
IP 54 - IC 416 forced ventilation (G-C type)
IP 55 - IC7 A1W7 water cooled (G-W type)

Suitable for inverter supply (up to 690 V)
Vacuum pressure impregnation (VPI) with ELECTRO ADDA HVP system (High Voltage Performance)
IEC 60034-1 Standards
EAC Certification (on request)



VE-A SERIES

ASYNCHRONOUS MOTORS Electric and hybrid vehicles

VE-A, the Automotive motor series, is a special series with high performances in terms of efficiency. These motors work in low voltage (on customer's request, motors with different voltages can be designed), from 24 V to 144 V battery, AC, for a total safety; they are capable of interfacing with hybrid systems. The VE-A line - manufactured with recyclable materials - has an extremely high power and torque density, which makes the motor significantly light.

Power	1 kW - 100 kW
Torque	10 Nm - 280 Nm
Voltage	24 V - 144 V
Max speed	14.000 RPM
Max efficiency	96,5%

