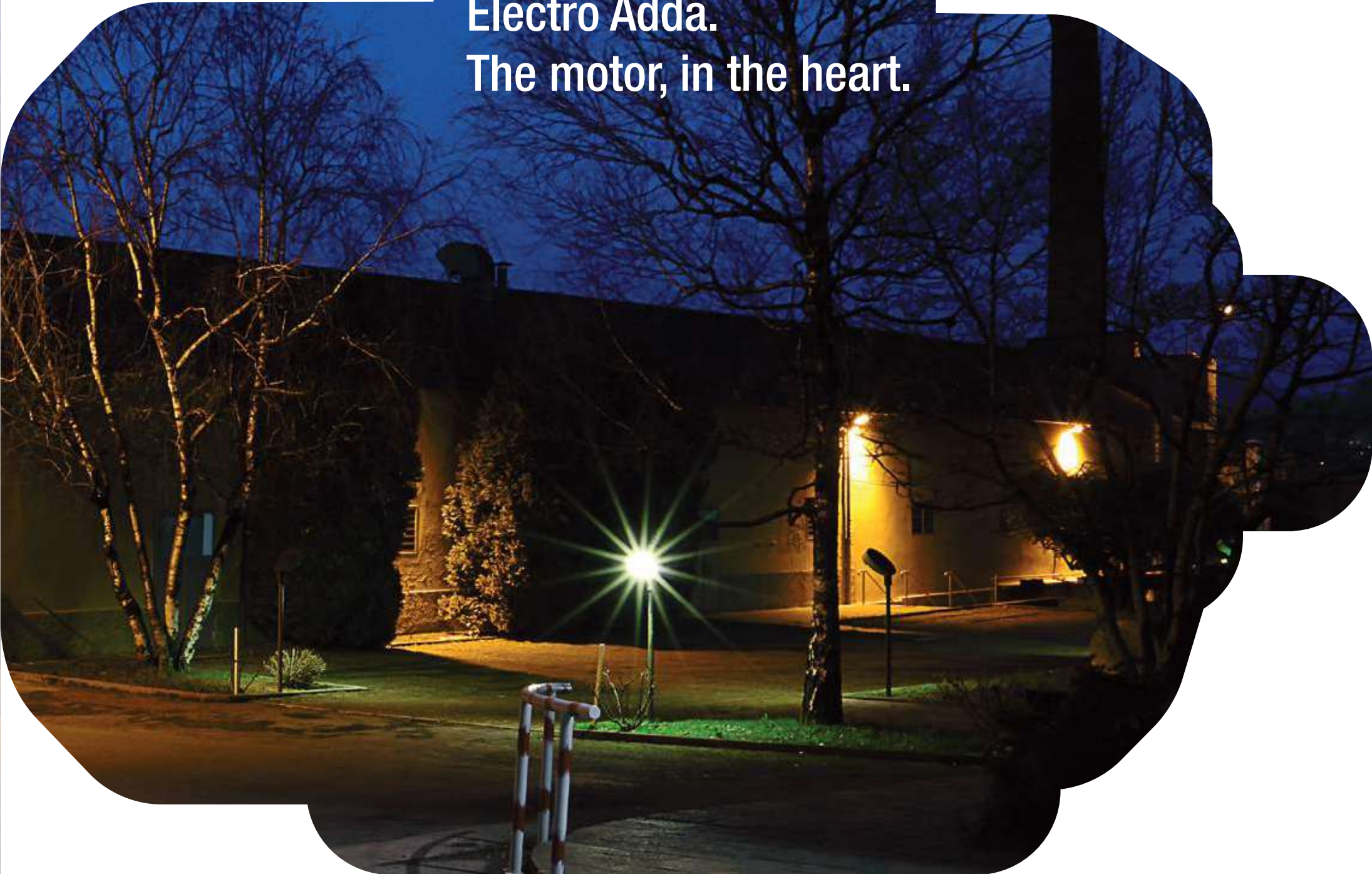


 **ELECTRO ADDA[®]**
il motore che fa la differenza



Electro Adda.
The motor, in the heart.



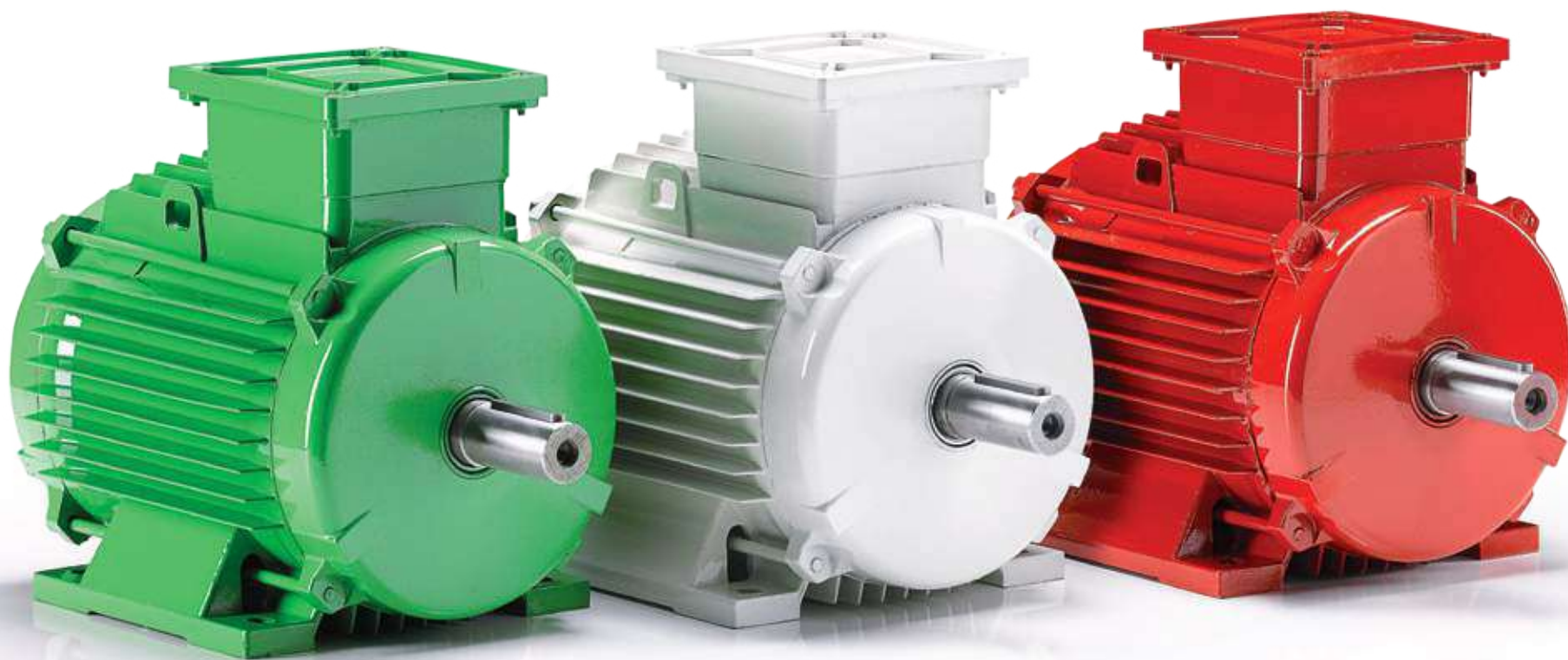


A deep passion moves us

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.

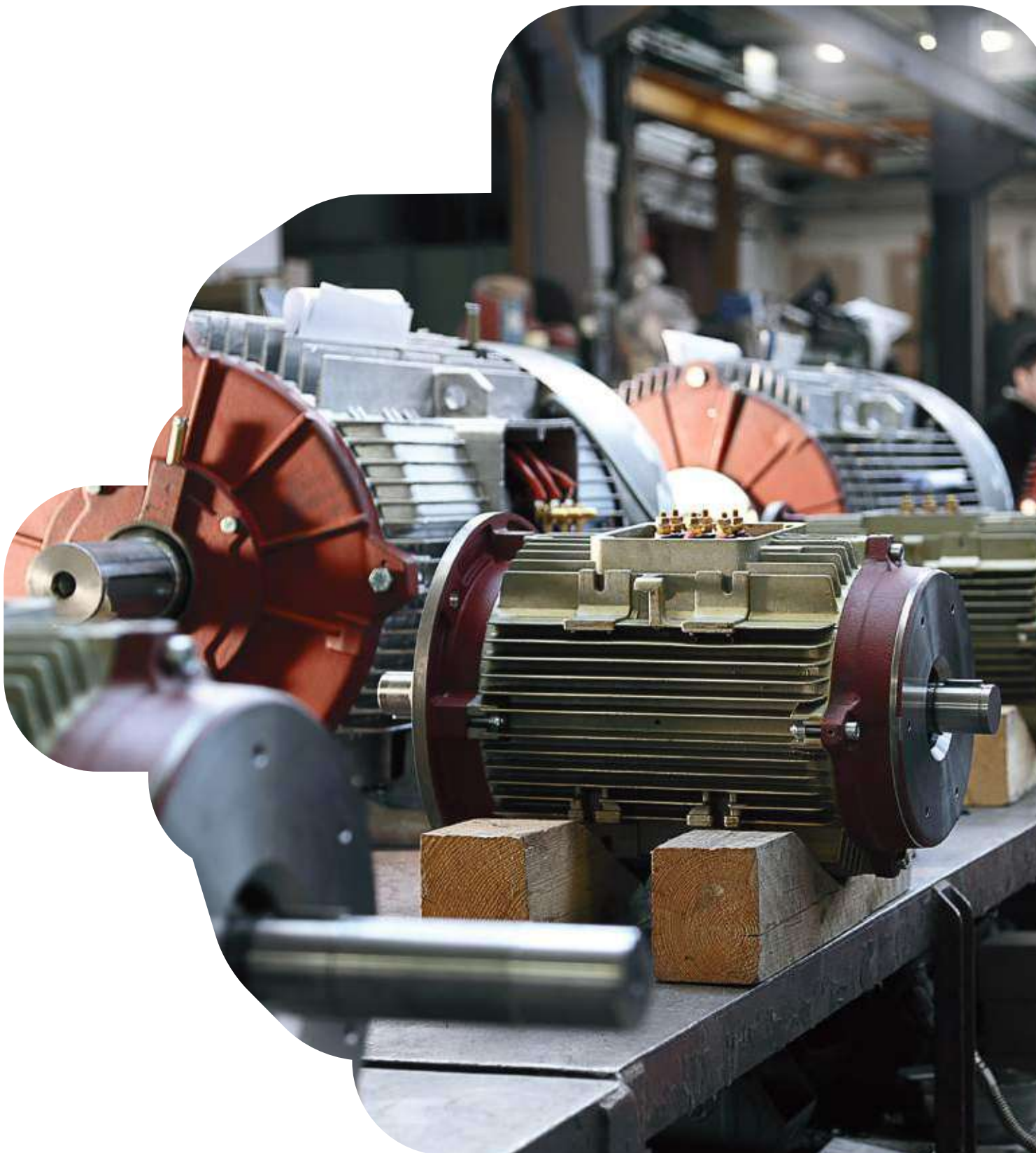
Luigi and Antonio Riva, founders



A solid experience marks us out

In over sixty 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.

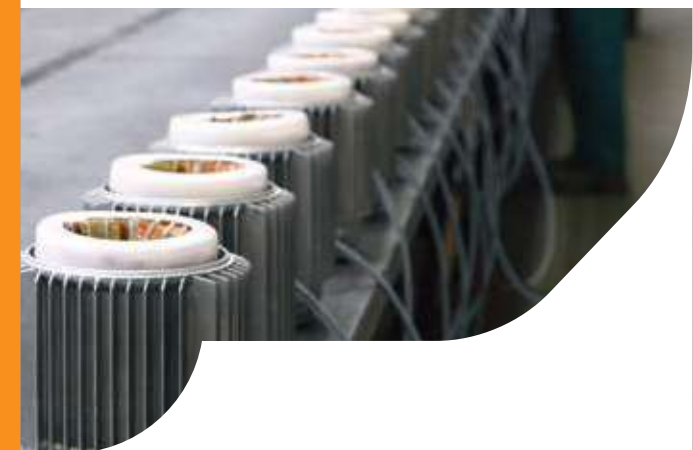


Ensuring **excellence** in every product

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.



Customer satisfaction is our goal

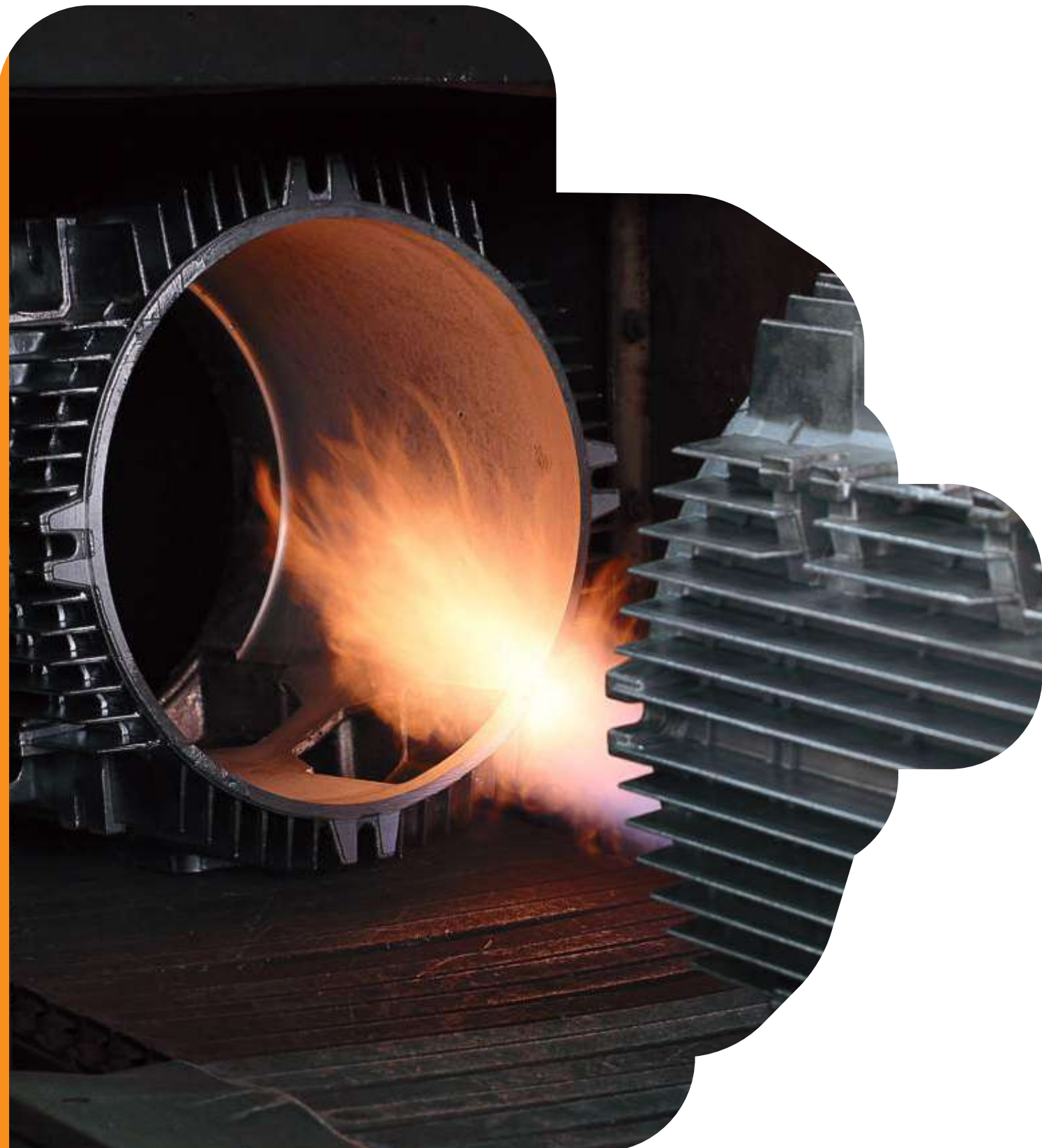
Willingness to listen and capacity to interpret any request so as to translate it into timely and personalized replies: these are the principles of a company philosophy strongly oriented towards customer satisfaction.

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.

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.

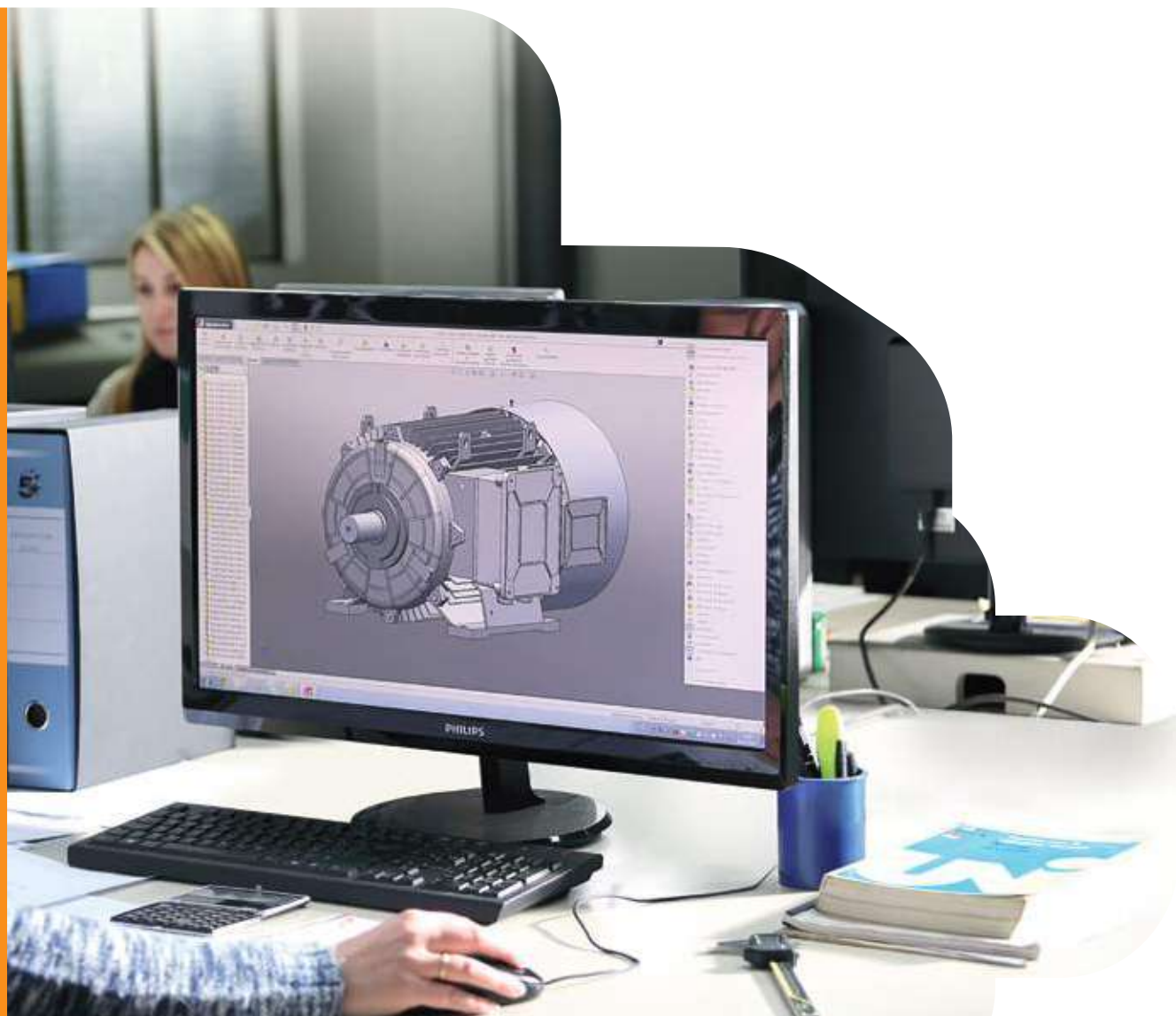
Thanks to an ever greater manufacturing and organizing flexibility, Electro Adda offers the possibility of quickly realizing, at competitive prices, even motors designed and manufactured according to customized specifications, based on tailor-made technical-application characteristics.





Quality is our guideline

The company is ISO9001-2000 certified and authoritative national and international certifications - CESI, ATEX, CSQ, CSA, UL, GOST TR CU, LLOYD'S REGISTER - certify the conformity of the products with the highest requirements of quality and safety.



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.

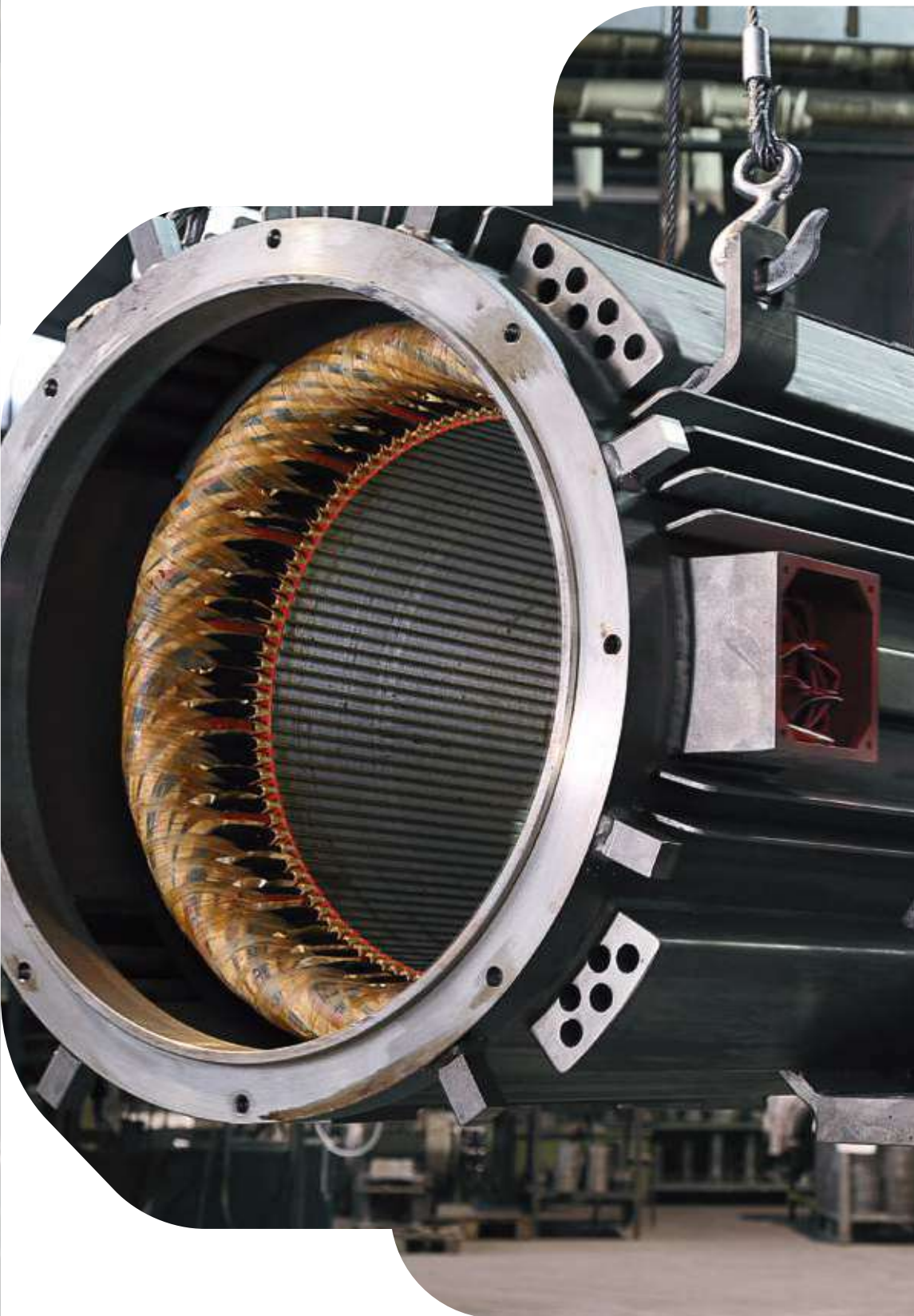
The search for production excellence and the capacity of personalizing projects enable Electro Adda to carry out a dialogue with important international realities, offering effective solutions, innovative and able to create value for customers and end users.



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, 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 2000 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.

MANUFACTURING
INDUSTRY

WHEN STURDINESS AND LIFE COUNT THE MOST

Electro Adda boasts a long experience in this sector, as attested by more than one million supplies: motors working non-stop for years on any kind of machines and systems, where there is the strongest need to complement the requirements of the machine tools in the best manner.





C SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS

CA SERIES

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

2, 4, 6, 8 pole motors and multi speed motors

Protection degree - cooling:

- IP 55 - IC 411 self-ventilated
- IP 55 - IC 416 with forced ventilation

Suitable for inverter supply (up to 690 V)

Vacuum impregnation (VPI) with ELECTRO ADDA

HVP (High Voltage Performance) system

IEC60034-1 Standards

UL/CSA Certification (on request)

GOST TR CU Certification (on request)

CA motors are available also in the **ATEX ZONE 22** version

CS SERIES

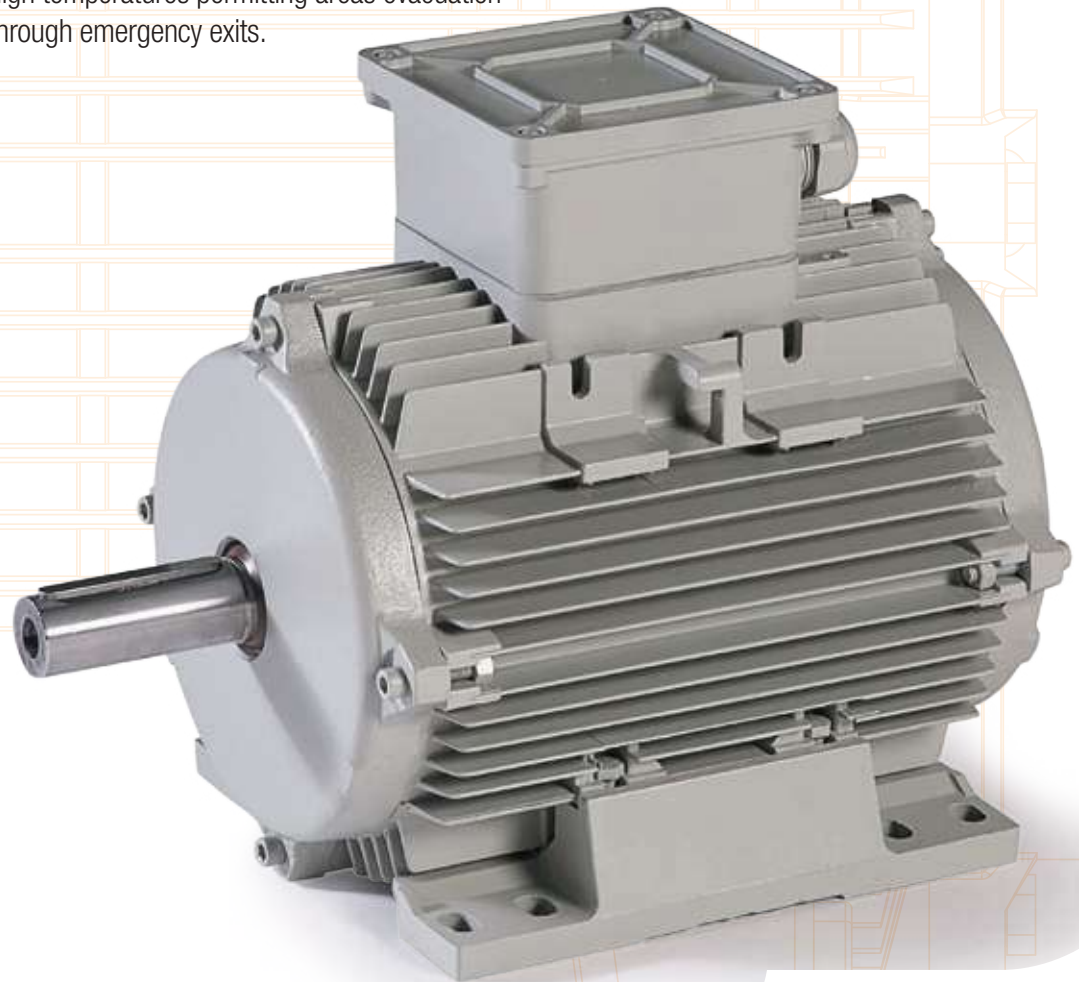
Steel frame
Power 250÷1200 kW
Frame sizes 355L÷500
Insulation Class F
Efficiency class IE2/IE3



SMOKE EXTRACTION SYSTEMS MOTORS

GUARANTEED OPERATION IN CRITICAL CONDITIONS

Essential safety requirement is to guarantee proper ventilation in high population density zones such as tunnels, manufacturing plants, warehouses, parking spaces, on board ventilation systems and shopping malls. Our smoke motors provide secure power to exhaust fumes and heat, mitigate fire propagation at high and extremely high temperatures permitting areas evacuation through emergency exits.





S SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS FOR 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

IEC60034-1, IEC60034-30 Standards

Protection degree - cooling

- IP 55 - IC 411 self-ventilated
- IP 55 - IC 418 external ventilation

Special construction for high temperature operation:

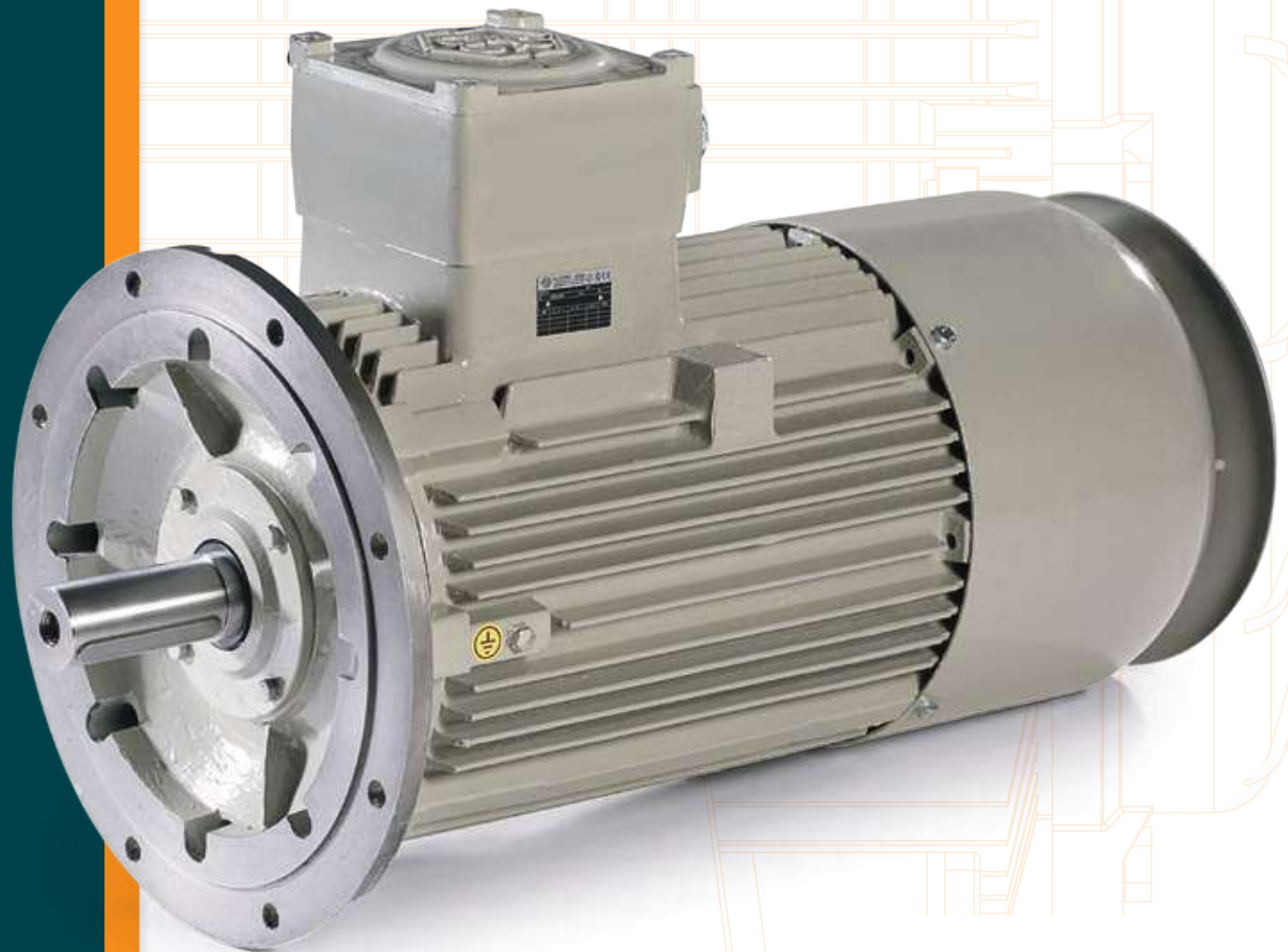
- Classes: F200 (200°C for 120')
- F300 (300°C for 60/120')
- F400 (400°C for 120')



EXPLOSION-PROOF MOTORS

CERTIFIED SAFETY

Certified according to the strictest international standards, and specifically designed for environments at risk of explosion, Electro Adda explosion-proof motors are the result of a special commitment in designing and acceptance tests, carried out under heavily demanding conditions.





PE SERIES

EXPLOSION-PROOF SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS ATEX DIRECTIVE

PE - Ex-d SERIES

Zone 1; Group II (IIA-IIB); Category 2G, T3, T4, T5
Zone 2; Group II; Category 3G, T3
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

PE - Ex-d Ex-de SERIES

Zone 1; Group II (IIA-IIB-IIC); Category 2G, T3, T4
Zone 2; Group II (IIA-IIB-IIC); 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



WATER-COOLED MOTORS

DEVELOPING POWER, LIMITING NOISE

Suitable for use under extremely harsh working conditions in reduced spaces, they have an accurately tested water cooling system which enables an effective and safe reduction of heat and noise.





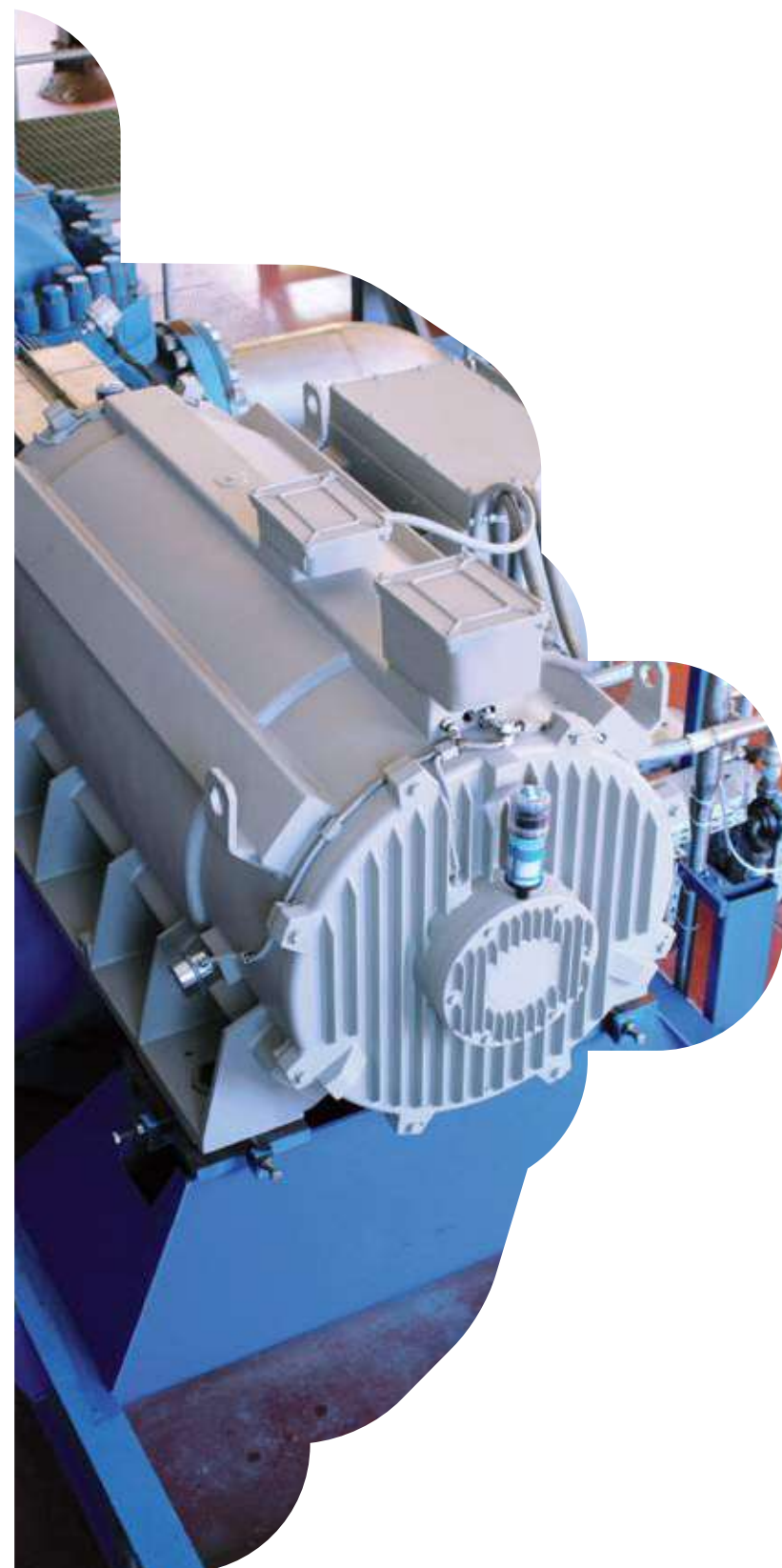
W SERIES

WATER COOLED SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS

Steel frame
Power 11÷3000 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 impregnation (VPI) with ELECTRO ADDA
HVP (High Voltage Performance) system
IEC60034-1 Standards
GOST TR CU Certification (on request)

Advantages:

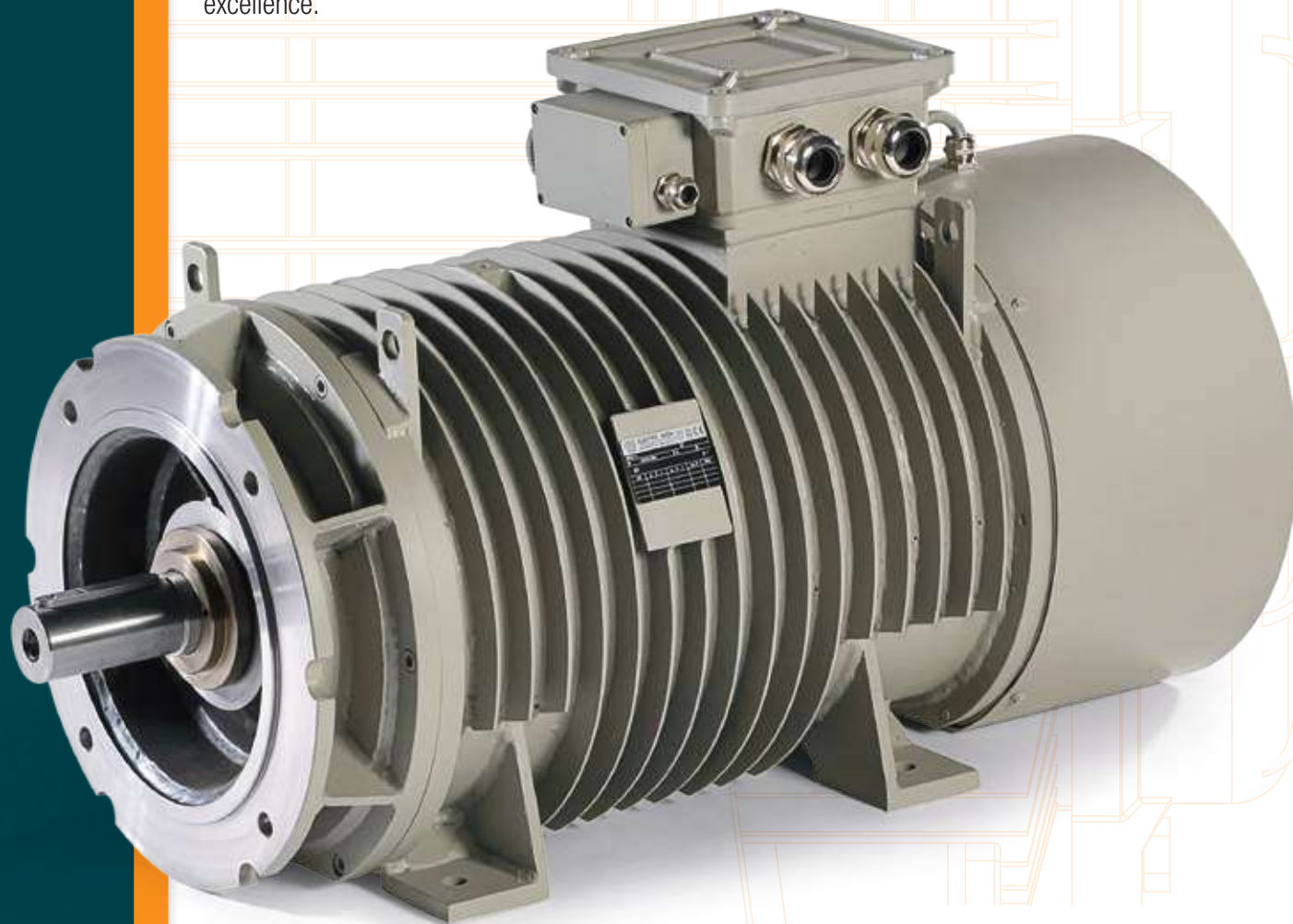
- Smaller overall dimensions and lighter motors
- Lower heat release into the working environment
- Lower noise
- No power reduction even at high ambient temperatures
- They can be used at a wide speed range at constant torque without derating
- Suitable for installation in harsh environments
- High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



IRON & STEEL INDUSTRY

FOR THE MOST DEMANDING WORKING CONDITIONS

Electro Adda offers, to the complex reality of the iron and steel industry, where every application calls for specific solutions suited to difficult environments and very high temperatures, a highly qualified cooperation by realizing particularly sturdy tailor-made motors and roller-table motors pursuant to a standard of excellence.





MR SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS FOR ROLLER TABLES

Rated torque $30 \div 4500$ Nm
Frame sizes $132 \div 400$
Insulation Class H
Temperature rise Class F
Protection degree IP 55 (IP 65 on request)

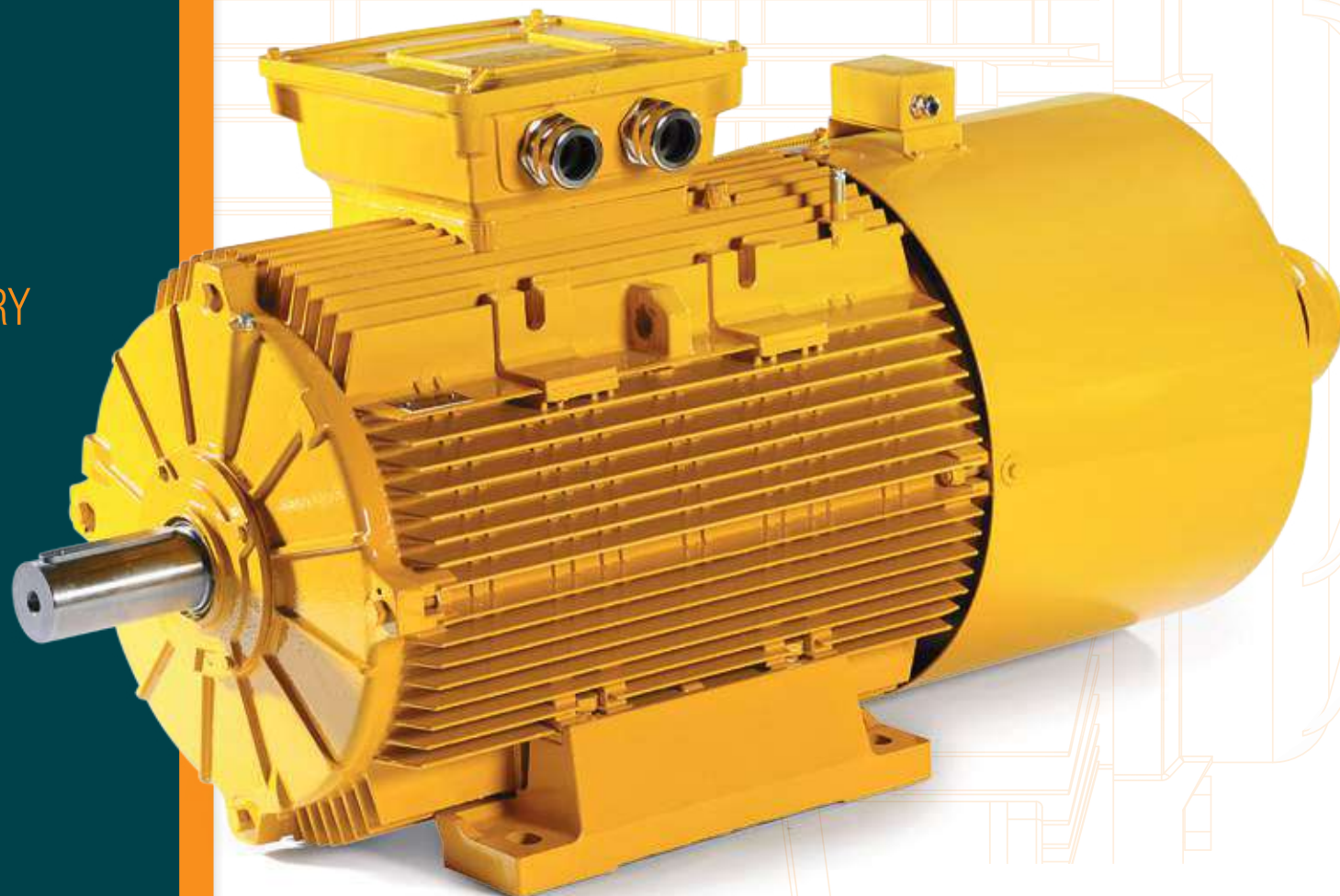
Cooling type IC 410 (natural cooling)
Suitable for inverter supply (up to 690 V)
Vacuum impregnation (VPI) with ELECTRO ADDA
HVP (High Voltage Performance) system
IEC60034-1 Standards
GOST TR CU Certification (on request)



CIVIL AND MILITARY
SHIPBUILDING INDUSTRY

QUALITY TAILOR-MADE FOR SHIPYARDS

Through the supply of tailor-made motors, exceptionally resistant to shocks and stresses, Electro Adda has earned the confidence of the most important shipyard realities, both civil and military. Since the 70's, it has been a partner of the Italian Navy, and its motors equip cruise ships, yachts, merchant ships and oil platforms throughout the world.





TH - MAR SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS MOTORS FOR MARINE APPLICATIONS

TH SERIES FOR BOW THRUSTERS

Power 160÷1500 kW

Frame sizes 280÷500

Protection degree - cooling:

- IP 23S - IC01 self-ventilated (TH-A type)
- IP 54/55 - IC411 self-ventilated (TH-C type)
- IP 55 - IC7 A1W7 water cooled (TH-W type)

MAR SERIES FOR ON-BOARD APPLICATIONS

Power 11÷1500 kW

Frame sizes 160÷500

Protection degree - cooling:

- IP 55 - IC 411 self-ventilated
- IP 55 - IC 416 with forced ventilation

Higher protection degrees available on request
Insulation Class F

Suitable for inverter supply (up to 690 V)

Vacuum impregnation (VPI) with ELECTRO ADDA

HVP (High Voltage Performance) system

IEC60034-1 Standards

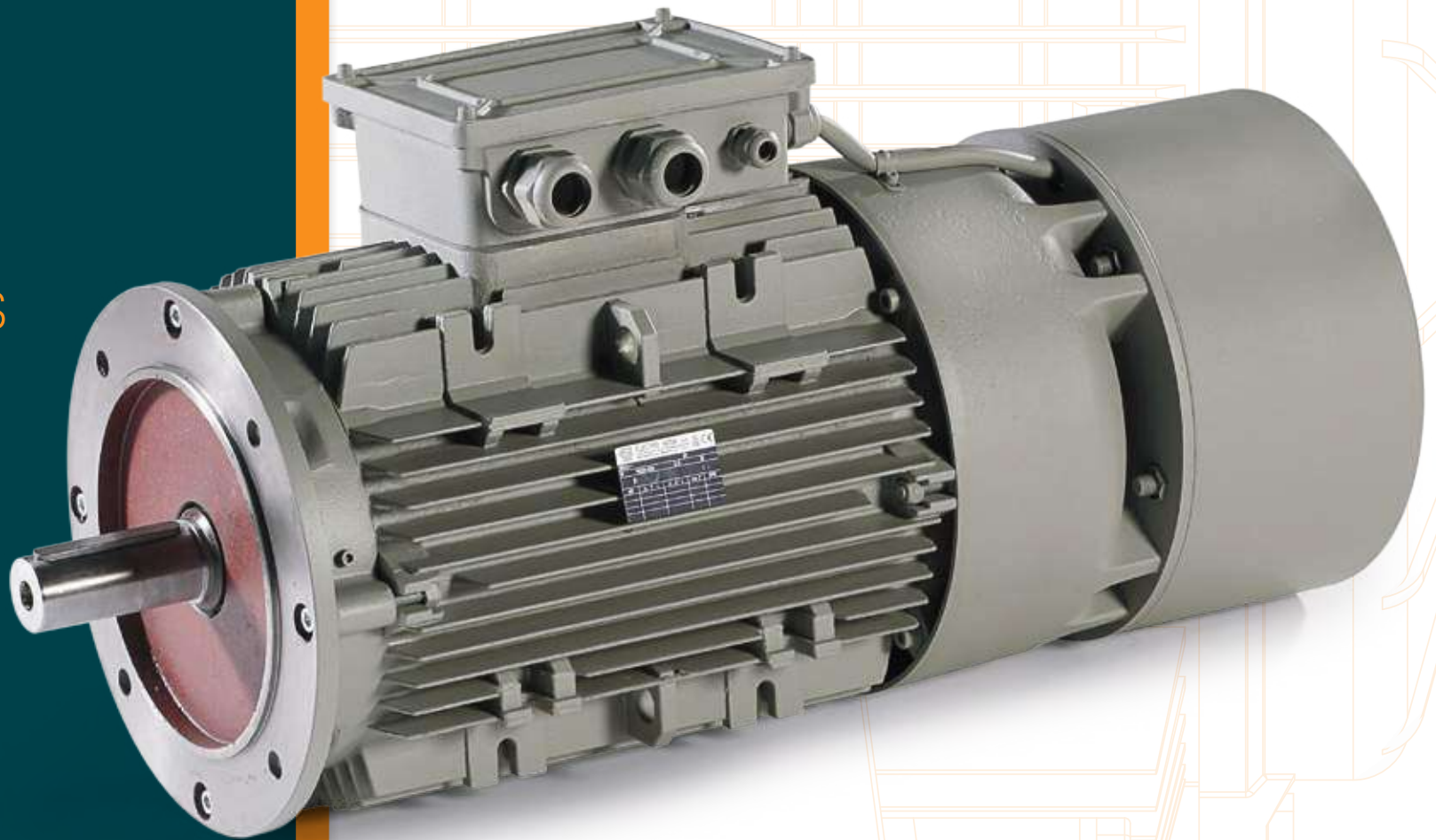
In compliance with the requirements of the following
Classification Bodies: RINA, LRS, BV, ABS, DNV, GL



BRAKE MOTORS

RELIABILITY, PRECISION AND QUICK STOP

Electro Adda is specialized in manufacturing brake motors suitable for multiple applications and for any situation where the production process requires fast and safe braking solutions, as in the case of hoisting and packaging systems.





FE SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS BRAKE MOTORS

FE SERIES

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

FECC SERIES

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

FECCL SERIES

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

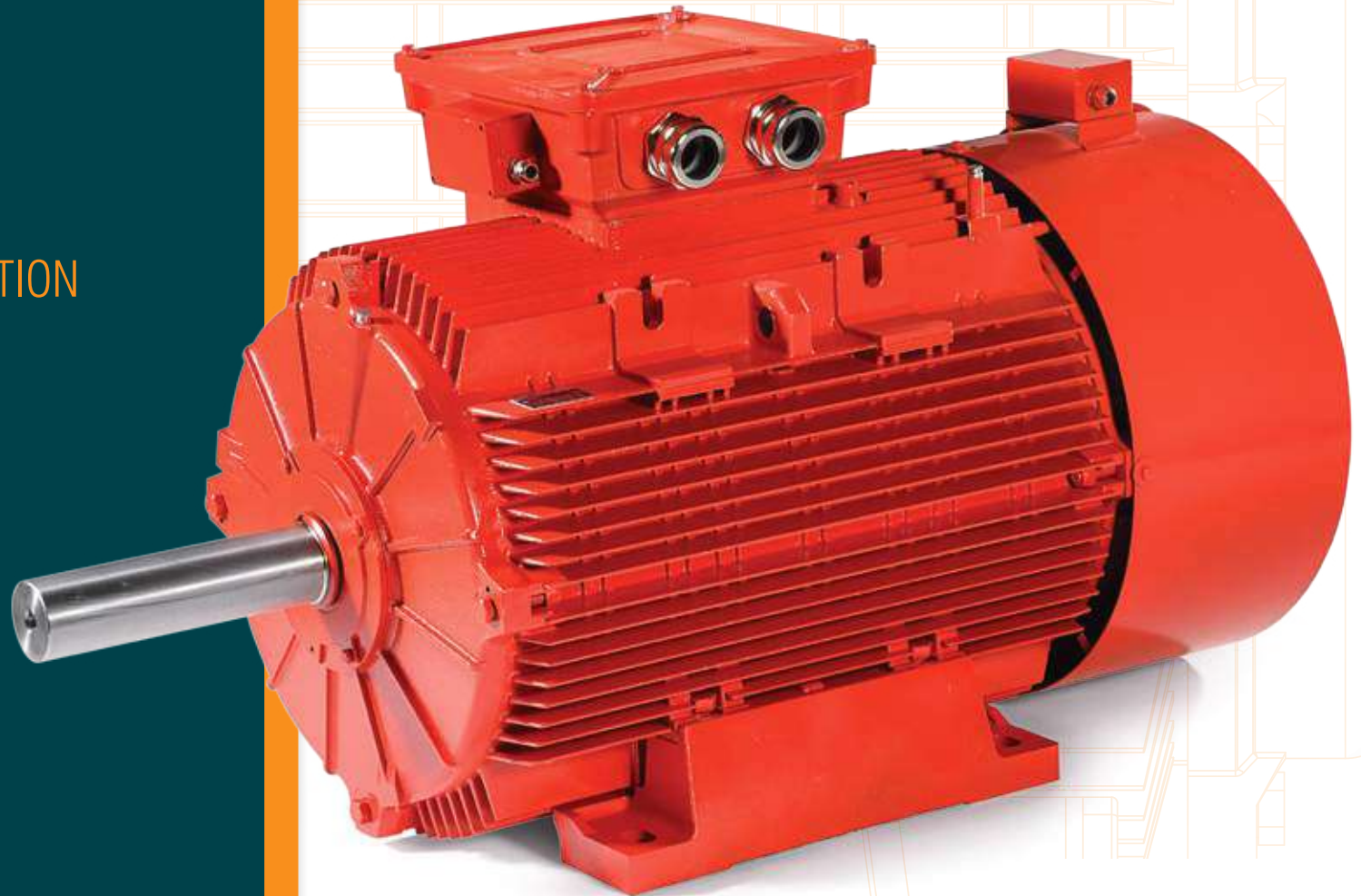
Insulation Class F
Protection degree IP 55
Cooling type IC 411 self-ventilated or IC 416 with forced ventilation
Suitable for inverter supply
IEC60034-1 Standards
GOST TR CU Certification (on request)
UL/CSA Certification for USA and Canada markets



ENERGY PRODUCTION

TECHNOLOGICAL INNOVATION AND APPLICATION EXPERIENCE

Operating for over twenty years, with an increasingly stronger commitment to develop technologies using hydraulic and wind energy, Electro Adda has accumulated an in-depth knowledge of the application aspects of these systems and it offers itself as sector partner, capable of developing ad hoc projects and supplying motors suited to every expectation.





G SERIES

SQUIRREL CAGE THREE-PHASE ASYNCHRONOUS GENERATORS FOR HYDROPOWER PLANTS AND WINDMILLS

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 with forced ventilation (G-C type)

IP 55 - IC7 A1W7 water cooled (G-W type)

Suitable for inverter supply (up to 690 V)

Vacuum impregnation (VPI) with ELECTRO ADDA

HVP (High Voltage Performance) system

IEC60034-1 Standards

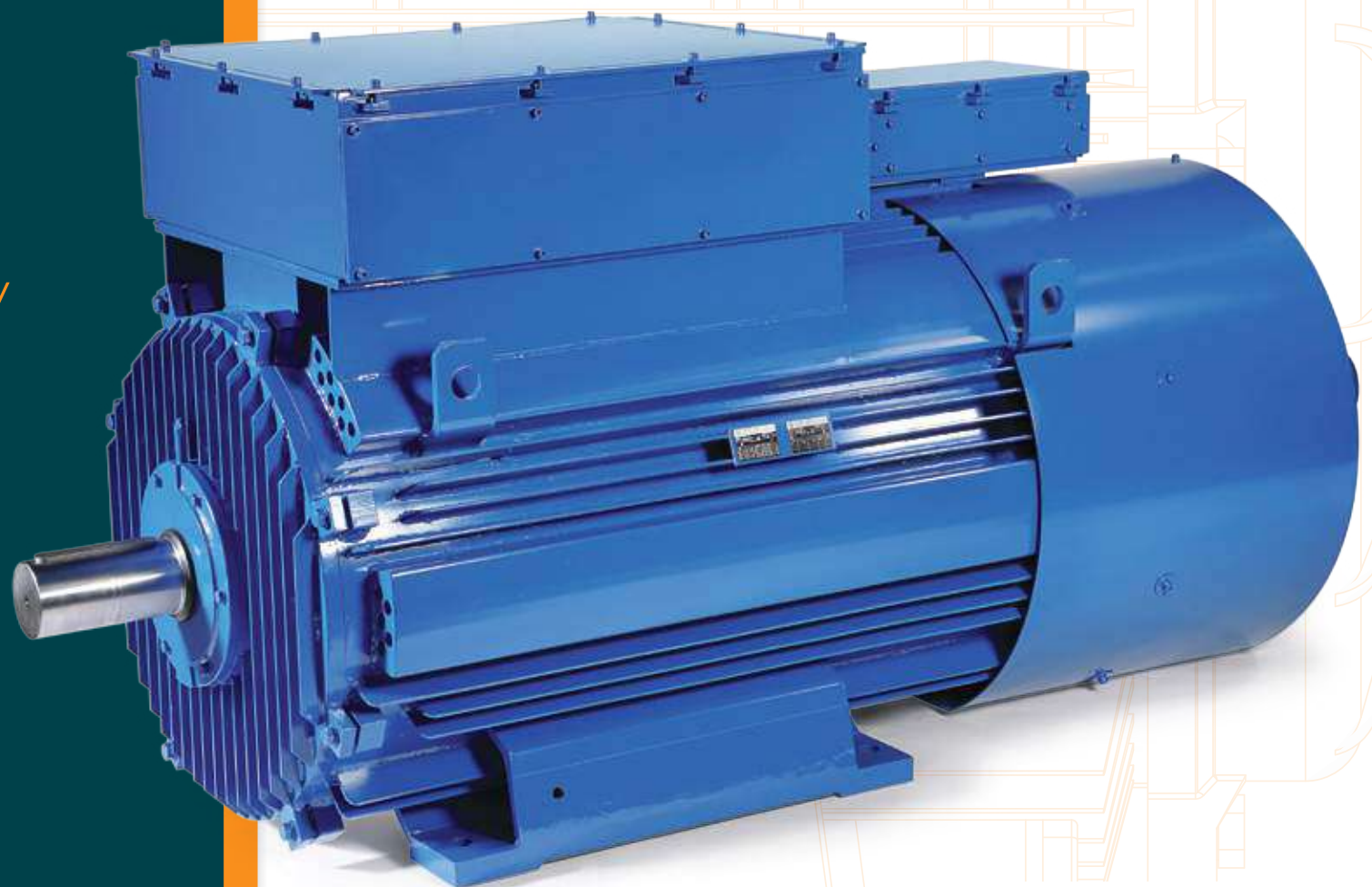
GOST TR CU Certification (on request)



HOISTING INDUSTRY

BRAKE MOTORS WITH EXCEPTIONAL PERFORMANCE

Electro Adda's great skill in the hoisting sector is highlighted in the several motors which equip tower cranes, bridge cranes and gantry cranes as well as other systems of all sizes, subjected to demanding workloads under hard conditions such as, for instance, in the marble industry and in the large ports.





CR SERIES

WOUND ROTOR (SLIP RING) THREE-PHASE ASYNCHRONOUS MOTORS

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 impregnation (VPI) with ELECTRO ADDA
HVP (High Voltage Performance) system
Parking brake on request
IEC60034-1 Standards



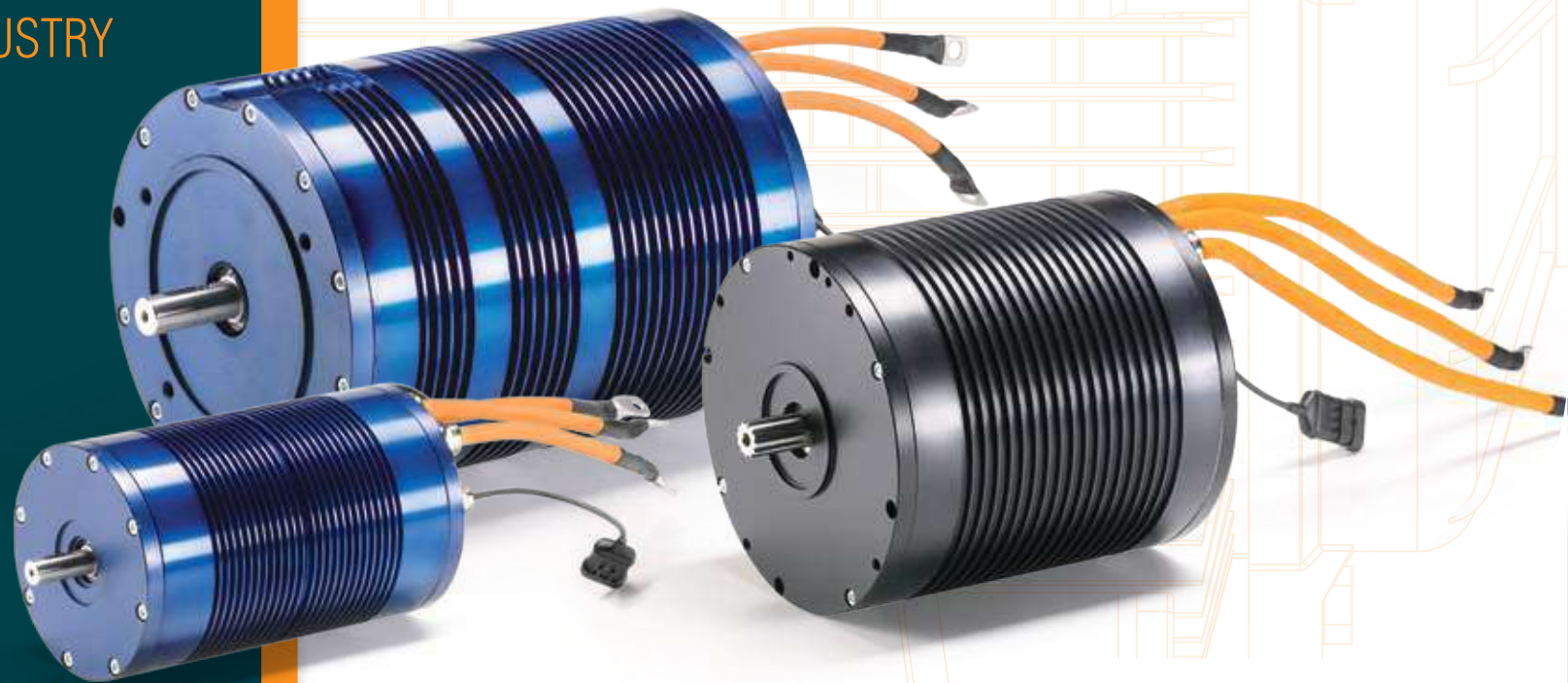
AUTOMOTIVE INDUSTRY

INNOVATIVE PROJECTS AT THE SERVICE OF THE ELECTRIC AND HYBRID MOBILITY

In a sector where innovation truly makes the difference, Electro Adda sets itself apart through highly efficient personalized motor projects for applications where the battery size and the autonomy of the vehicle are crucial.

Examples of this consist in the ultra-light equipment, with reduced sizes, tailor-made for last generation scooters or for paragliders, based on solutions where the high efficiency, as attested by university bodies, engenders excellent performances precisely in terms of autonomy of movement.

Electro Adda cooperates with Italian and international engineering teams by placing itself at the forefront even within the field of the automotive industry and in constantly expanding segments, such as electric vehicles for agricultural purposes and tractors used in closed environments like greenhouses.





VE-A SERIES

ASYNCHRONOUS MOTORS FOR 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%

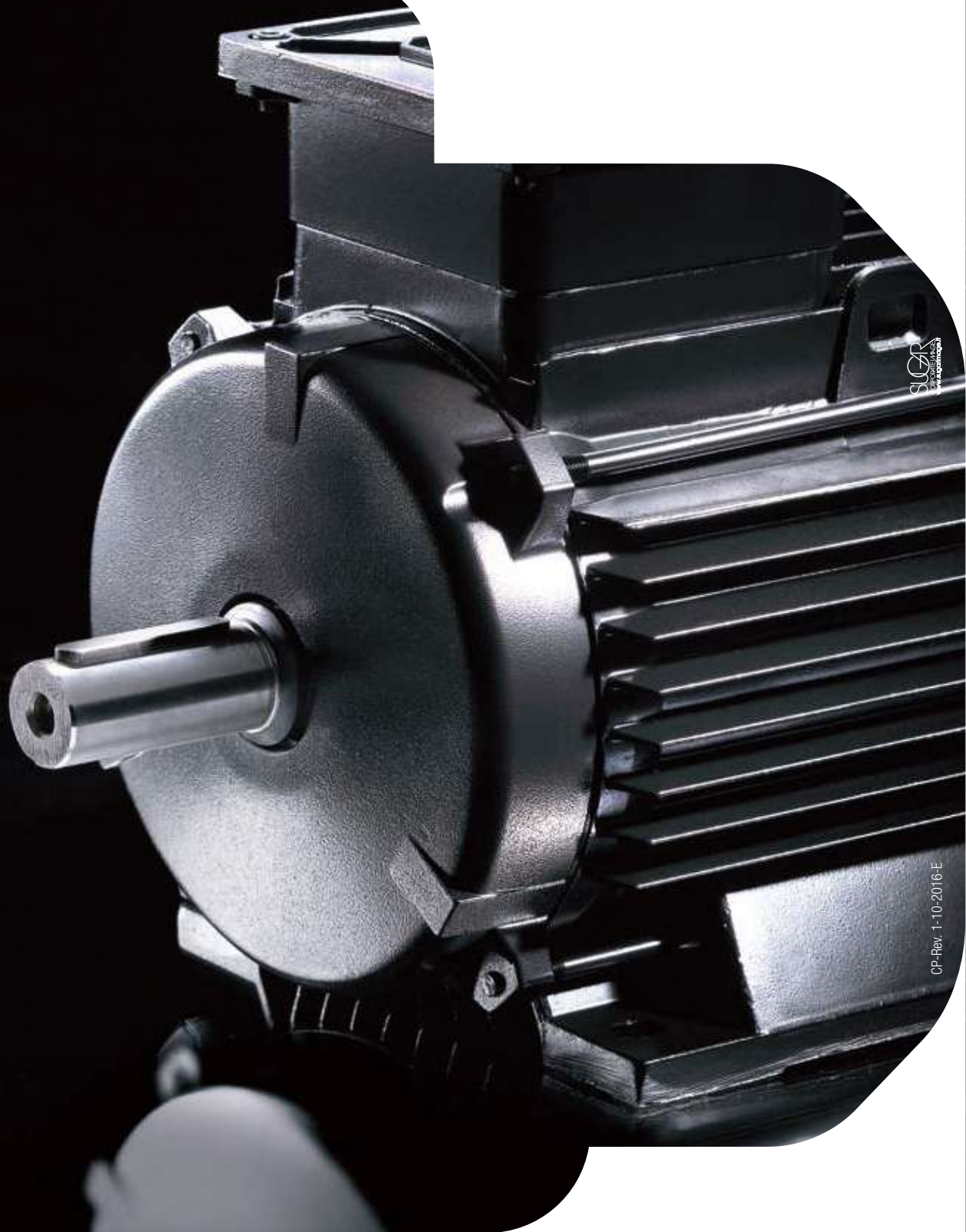


ea ELECTRO ADDA
il motore che fa la differenza

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