

EXPLOSION PROTECTED 3-PHASE INDUCTION MOTORS



ATEX – FLAMEPROOF MOTORS



POWER OF EXPERIENCE
 PROFESSIONAL APPROACH
DRIVING PROFESSIONAL
 INTO **YOUR** ENERGY
 ENERGY **BUSINESS**
 CHALLENGING PROJECTS
 MORE ENERGY
 SOLID PARTNER
 EXPERIENCE TOP QUALITY

INDIVIDUAL PROFESSIONAL
 ENERGY TOP QUALITY
 AREA TURNED INTO
 EFFICIENCY CONTINUOUS
 SOLID PARTNER
 MOST DEMANDING APPLICATIONS
 EFFICIENT
 POWER OF

CANTONI
MOTOR



Product Catalogue

Product range

LOW VOLTAGE GENERAL PURPOSE 3-PHASE INDUCTION MOTORS	Three-phase motors with squirrel-cage rotor series (2)Sg(m), Sh. High efficiency motors series 2SIE, 3SIE and 4SIE (efficiency classes IE2, IE3, IE4)	from 0,04kW up to 2200kW	for general purpose applications like pumps, fans, compressors; complying with the newest efficiency requirements
GENERAL PURPOSE 1-PHASE INDUCTION MOTORS	Single-phase motors with squirrel-cage rotor series SEh(R), SEMh(R). – motors with standard starting torque – motors with increased starting torque – motors with high starting torque.	from 0,04kW up to 2,2kW	for general purpose applications like pumps, fans, compressors, woodworking machines, devices for food processing, concrete mixers etc.
HIGH VOLTAGE INDUCTION MOTORS UP TO 11kV	Three-phase squirrel-cage high voltage and high efficiency motors series Sh with cast-iron housing. High voltage motors with module construction (steel/welded housing) series Sf (-E), Sfw, Sfr.	from 160kW up to 6000kW	for general industrial use, drives used for own needs of power plants (pumps, fans, coal mills, conveyors)
BRAKE MOTORS	Three-phase and single-phase brake motors with AC and DC brakes	from 0,04kW up to 160kW	for applications with high safety requirements or where immediate stopping of the drive is required e.g.: theatres, concert, halls, lifts, platforms, etc.
MOTORS WITH FORCED VENTILATION	Three-phase induction motors with forced ventilation.	from 0,06kW up to 2500kW	for variable frequency drives with very wide speed regulation
EXPLOSION-PROOF MOTORS	Increased safety motors	from 0,06kW up to 22kW	adapted for operation in areas endangered by explosion (without methane)
	Flameproof motors	from 0,55kW up to 3200kW	for applications in chemical and mining industry where explosive atmosphere of gases, vapours or dust can occur
NEMA MOTORS	Low voltage NEMA motors SIE series (in compliance with the NEMA PREMIUM requirements).	from 1HP up to 250HP	for general industrial applications like pumps (including JM and JP), fans, compressors also for Hazardous Locations (Class I Div 2, Class II Div 2) with CSA certificate
TRACTION MOTORS	Traction motors and traction generators.	from 50kW up to 1500kW	various traction vehicles: trams (including low-deck trams), trolleybusses, subway and locomotives

Order form

Company name Contact person

Country City

Address

Phone E-mail

Subject

Message

Frame size Poles kW Voltage Hz

Number of pieces

Duty Mounting IP Insulation class

Number of terminals

Efficiency RAL Zone Ambient temperature

PTC Yes No Group Terminal box design (Ex db or Ex eb)

PT100 Yes No Temperature class Starting and supply method (DOL, Y/Δ, VSD, Soft-Start)

Additional information

Cantoni Motor Team

EXPLOSION PROTECTED 3-PHASE INDUCTION MOTORS

Certifications

Cantoni Group's factory, Celma Indukta was one of the first companies obtaining ISO 9001 certificate in Poland

All Cantoni Group manufacturing plants comply with the most important standards.

ISO 9001 is based on a number of quality management principles including a strong customer focus, the motivation and involvement of top management, the process approach and continuous improvement. Using ISO 9001 helps to ensure that customers get consistent, good quality products and services.

Our aim is to produce high quality products certified according to the most important standards. We always focus our work to provide a product that meets the customer requirements, define the approach to continuous improvement and monitor

customer satisfaction. All employees in our Group are fully engaged and motivated to provide the top quality products. We achieve this thanks to skilled technicians, trained workers and customer oriented attitude.

As a demonstration of our aim to meet all high level international standard requirements, we are also certified ISO 14001 and OHSAS 18001 to prove our internal processes and behaviour.

ISO 14001 certification confirms that the organization manages their environmental responsibilities in an effective and internationally accepted way.

In Cantoni Group we know that taking care of the environment means taking care of our present and future.



With **OHSAS 18001** certificate, Cantoni Group confirms the necessity of controlling and improving health and safety aspects within the organization.

Employees are Cantoni Group's main asset, thus, their well-being and safety are our priority.

Our laboratory Celma Indukta is also **ISO 17025** certified by Canadian Standard Association (CSA) for two aspects: safety and energy efficiency verification requirements as independent unit.

The safety part – Supervised Manufacturers Testing Certification (SMTC) confirms that our laboratory is allowed for supervised manufactured safety certification program.

The energy efficiency part confirms that energy verification program for motors operating as SMTC can be performed according to CSA 390 standard at our facilities.

All our prototype motors are tested and approved before series production and samples of our final products are tested periodically to check compliance with all parameters defined. Our production range has also different types of products certifications based on specific technical requirements, like UL-CSA, GOST, EAC, ATEX, IEC Ex, CCC, Bureau Veritas, DNV-GL, etc.

Our technicians are constantly updated, informed and trained about every new regulation in order to provide all possible solutions to meet final customer requirements and also study and engineer ad-hoc products with customers developers.



Top quality electric motors

Cantoni Group's electric motors are manufactured in such a way as to provide a durable product that our customers can rely on:

- motors manufactured using high quality raw materials and components
- long-life bearings
- robust and tough construction
- raw materials only from European qualified suppliers
- production process from the beginning to the end at our facilities
- proven electrical performance

Our motors for many applications

Our motors are produced with the aim to be flexible and adaptable to many different applications. The long tradition and experience of our technical departments, supported by a flexible and strong organization, can assure an engineering of the motor series that meet the most common requirements and the more and more specific requests from the manufacturers of cutting-edge machines.

Our long collaboration with some of the most important players in the global industrial market has built a strong and stable organization that is able to support the customer in the development of the best solutions for its applications.

Cantoni Group continuous investments

The strategy of Cantoni Group is to realize a strong and continuous plan of investments with the aim to constantly increase the range of products, quality level and high productivity. Cantoni Group international market leadership has been created thanks to such open and future oriented attitude. Investments into the new professional machinery, equipment and infrastructure increase the quality control, capacity and save the environment.

The use of world class CNC, automatic and semi-automatic machinery guarantees precision, repeatability and accuracy. Such considerable development plan of Cantoni Group enhances the already wide range of production, maximizes the quality of offered products and has led to a growing number of innovations (new series for specific applications, new design and solutions) and international approvals.



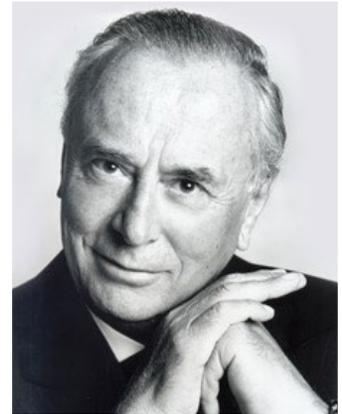
Cantoni Group



Giampiero Cantoni, Founder of Cantoni Group

Since almost a century, the Cantoni Group has been known worldwide as a leader in manufacturing and supplying electric motors, components and tools.

Thanks to the entrepreneurial commitment and great talent, the founder of the Group, **Prof. Giampiero Cantoni**, created diversified Group Enterprise that has gained outstanding success on the Domestic and International markets, placing us among the most important European manufacturers.



Cantoni Motor



Cantoni Motor, the International Sales Office and Headquarters, coordinates the sales and purchasing for the whole Cantoni Group.

The history of Cantoni Motor goes back to 1945 when Elektrim Export Office in Poland was created. Through the next years, many internal changes had occurred, the Office changed its name to Elektrim Motor, to become finally in the year 2000 – Cantoni Motor S.A. – a company with Italian ownership.

Cantoni Motor provides complete customer service, from offer submission until shipment, after-sales and full technical support. Thanks to the flexible organization, our technical and sales team

is able to face all requirements of modern market and realize the most challenging projects.

As the Headquarters, the company not only coordinates the sales and purchasing of key materials for the production of electric motors in the Group, but also is responsible for marketing and promotion actions as well as for certification processes, trademarks and patents.

Cantoni Group produces and exports high quality industrial electric motors – from 0,04 kW up to 6000 kW, in standard and special executions. Our motors are tough and reliable and operate in almost all industrial segments from pumps, fans, compressors, conveyors, mining, processing to power plants, etc.



since 1920

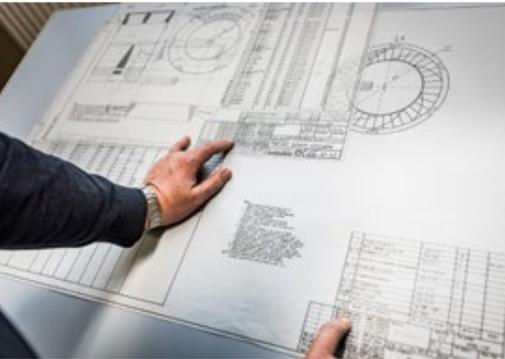


since 1878



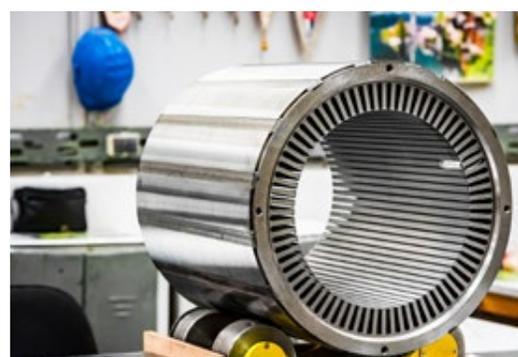
EXPLOSION PROTECTED 3-PHASE INDUCTION MOTORS

From the project to the application



Driving Your Business

DRIVING YOUR BUSINESS





CANTONI MOTOR S.A.

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