

GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains definitions of certain terms used in this document in connection with our Group and our business. Some of these may not correspond to standard industry definitions or usage of these terms.

“AC motor”	a type of motor that converts electrical energy into mechanical motion, featuring a stator, and rotor, and has versatile applications due to its simplicity, reliability, and efficiency.
“BLDC motor” or “brushless DC motor”	a permanent magnet motor that can use semiconductor switching devices instead of brushes to achieve electronic communication
“controller”	component responsible for controlling the motor and its electronic circuits to achieve functions such as starting, braking, speed regulation and protection of the motor. It is usually composed of power semiconductor devices
“CRM”	Customer Relationship Management, an integrated software platform designed to manage a company’s interactions with its current and potential customers
“dB”	decibel, a logarithmic unit used to measure the ratio of two physical quantities, most commonly associated with sound intensity, electrical power, or signal strength
“EC fan”	a fan module driven by EC motor an all-in-one digital electronic drive system with integrated BLDC motors or PMSMs
“EC motor” or “ECM”	an all-in-one digital electric drive solution with integrated BLDC motors or PMSMs with drivers
“electric aviation”	electricity-powered aircrafts including but not limited to large unmanned aerial vehicles, eVTOLs and multi-electric fixed-wing aircrafts
“electric motor” or “motor”	the core unit of the electric drive solution. It uses the principle of electromagnetic induction to generate rotational torque through the interaction between the stator and the rotor
“electric drive solution”	the combination of motor, driver, controller, software and related services
“embodied intelligence”	intelligent robotic systems equipped with physical bodies that interact with the real world through sensing, movement, and decision-making
“ERP”	Enterprise Resource Planning, an integrated software platform used to manage and automate core business processes across an organization. ERP systems consolidate data from various departments, such as finance and supply chain to enhance efficiency and provide a unified view of business operations
“eVTOL”	Electric Vertical Take-off and Landing, a new type of aircraft that is powered by electricity and can take off and land vertically

GLOSSARY OF TECHNICAL TERMS

“Ex d explosion-proof motor”	a type of motor engineered to contain any internal explosion without allowing flame or hot gases to escape and ignite the surrounding atmosphere. It is widely used in explosive atmospheres
“GFA”	gross floor area
“HVAC”	Heating, Ventilation and Air Conditioning (HVAC) system, integrated components used to regulate indoor environment. They are designed to provide thermal comfort and acceptable indoor air quality by controlling temperature, humidity and air flow
“IEC”	an international standard developed by the International Electrotechnical Commission to ensure safety, efficiency, and interoperability in electrical and electronic technologies
“IoT”	Internet of Things, the network of physical objects embedded with sensors, software and other technologies to connect and exchange data with other devices and systems over the internet. These objects range from everyday household items to sophisticated industrial tools. The primary aim of IoT is to enable seamless communication and interaction between devices, enhancing efficiency, automation and data-driven decision-making
“industrial IoT” or “IIOT”	practical application of IoT in industrial and manufacturing environments
“MES”	Manufacturing Execution System, a specialist class of production-oriented software that manages, monitors and synchronizes the execution of real-time physical processes involved in transforming raw materials into intermediate and/or finished goods
“NEMA”	a standard developed by the National Electrical Manufacturers Association for various grades of electrical enclosures typically used in industrial applications
“N·m”	Newton-meter, the unit of torque
“OEM”	Original Equipment Manufacturer, the company that produces components, parts, or complete products based on the specific designs, specifications, or brand requirements of another company
“PLM”	Product Lifecycle Management, an integrated software platform used by companies to manage product-related data. It covers all stages of a product’s development, from initial concept through design, manufacturing, maintenance, and disposal
“PMSMs” or “permanent magnet synchronous motors”	permanent magnet synchronous motors, a type of motor that uses permanent magnets in the rotor to create a steady magnetic field. It is widely used in applications such as electric vehicles and industrial machinery
“rotor”	the rotating part inside the stator that converts electrical energy into mechanical energy

GLOSSARY OF TECHNICAL TERMS

“SOP”	Standard Operating Procedure, a set of step-by-step instructions for performing a routine activity
“SRM”	Supplier Relationship Management, an integrated software platform that ensures partnership between buyer and supplier to sustain and enhance supplier value
“stator”	stationary and generates a rotating magnetic field when electric current is applied
“TMS”	Transportation Management System, a software that helps companies manage logistics of moving physical goods by land, air, or sea/
“VFDs” or “variable frequency drivers”	a type of motor drive used in electromechanical drive systems to adjust AC motor speed and torque by varying motor input frequency. It is used in many different manufacturing and industrial settings, but particularly valuable for controlling pumps