
GLOSSARY OF TECHNICAL TERMS

In this document, unless the context otherwise requires, explanations and definitions of certain terms used in this document in connection with our Group and our business shall have the meanings set out below. The terms and their meanings may not correspond to standard industry meaning or usage of these terms, and may not be comparable to similar terms adopted by other companies.

“AI”	artificial intelligence, an area of computer science that focuses on mimicking human intelligence by machines
“alternator”	a device that converts mechanical energy from a power generator engine into electrical energy
“auxiliary engine”	an engine installed on a vessel, vehicle, platform, or equipment that is not used as the primary propulsion or prime mover, but instead provides secondary or supportive power for onboard or ancillary systems, such as electrical generation, pumps, compressors, hydraulics, heating and cooling or other auxiliary loads.
“bar”	a unit of pressure
“BMEP”	brake mean effective pressure, a measure of an engine’s power output relative to its displacement; a higher BMEP indicates greater power density
“CAGR”	compound annual growth rate
“CCS”	the China Classification Society
“EPC”	engineering, procurement and construction
“EUP”	electronic unit pump, a fuel injection system in which each cylinder is equipped with an independent high-pressure pump, and injection timing and fuel quantity are regulated through electronic control
“heavy-duty engine”	a power generator engine with rated power between 500kW and 1,500kW (both inclusive)
“HPCR”	high-pressure common rail, a fuel injection system in which fuel is maintained at high pressure in a shared rail connected to all injectors, with injection pressure not limited by engine speed
“G3-class requirements”	G3-class requirements under the ISO 8528 standard applicable to the telecommunications industry
“GB/T 19001-2016”	the PRC equivalent standard of ISO 9001:2015
“GB/T 24001-2016”	the PRC equivalent standard of ISO 14001:2015
“GB/T 45001-2020”	the PRC equivalent standard of ISO 45001:2018
“high-speed”	in respect of marine engines, marine engines with a rated speed exceeding 1,000 r/min

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“Hz”	hertz, a measurement of frequency
“IMO”	the International Maritime Organization
“ISO”	the International Organization for Standardization, a non-governmental organization based in Geneva, Switzerland, for assessing the quality systems of business organizations
“ISO 14001:2015”	a standard published by ISO, prescribing specific requirements for an environmental management system in an organization
“ISO 45001:2018”	a standard published by ISO, prescribing specific requirements for an occupational health and safety management system in an organization
“ISO 8528”	a standard published by ISO, prescribing specific requirements for reciprocating internal combustion engine driven alternating current generating sets
“ISO 9001”	a standard published by ISO, prescribing specific requirements for a quality management system in an organization
“ISO 9001:2015”	the 2015 version of the ISO 9001 standard
“kW”	a unit of power, 1kW equals 1,000 watts
“kWh”	kilowatt hour, the standard unit of energy used in the electric power industry. One kilowatt hour is the amount of energy that would be produced by a generator producing one thousand watts for one hour
“large engine”	a power generator engine with rated power of more than 1,500kW
“LNG”	liquefied natural gas
“marine engine”	marine propulsion and auxiliary engine
“marine propulsion engine”	an internal combustion engine designed and built to convert the chemical energy of fuel into mechanical power for the primary purpose of propelling a vessel through water, typically by driving a propeller, waterjet, or other marine propulsion device, and including associated systems necessary for marine operation, such as cooling, lubrication, and control systems
“medium-speed”	in respect of marine engines, marine engines with a rated speed ranging from 300 r/min to 1,000 r/min
“medium- to light-duty engine”	a power generator engine with rated power of less than 500 kW
“MPa”	megapascal, a unit of pressure
“MW”	a unit of power, 1MW equals 1,000 kW

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“Non-Road Stage III”	the stage III standard of Limits and Measurement Methods for Exhaust Pollutants from Diesel Engines of Non-Road Mobile Machinery (CHINA III, IV) (《非道路移動機械用柴油機排氣污染物排放限值及測量方法(中國第三、四階段)》) (GB20891-2014)
“Non-Road Stage IV”	the stage IV standard of Limits and Measurement Methods for Exhaust Pollutants from Diesel Engines of Non-Road Mobile Machinery (CHINA III, IV) (《非道路移動機械用柴油機排氣污染物排放限值及測量方法(中國第三、四階段)》) (GB20891-2014)
“OEM”	an original equipment manufacturer
“power generator engine”	an internal combustion engine designed for power-generation applications that converts the chemical energy of fuel into mechanical energy, which is then used to drive an alternator
“power generator set”	an integrated power generation system consisting of a power generator engine, an alternator and a full suite of engine accessories (including for example the cooling, control and intake and exhaust systems)
“r/min”	revolutions per minute
“sq.m.”	square meters
“Stage V”	EU’s current standards for engines installed in non-road mobile machinery and certain other application (including inland waterway vessels), established under Regulation (EU) 2016/1628 and its implementing measures
“Teamcenter”	a product lifecycle management system
“Tier II”	the nitrogen oxides (NO _x) emission limits established by the IMO under the International Convention for the Prevention of Pollution from Ships (MARPOL) Annex VI, Regulation 13, for marine diesel engines with a rated power of 130 kW or above installed on ships constructed on or after 1 January 2011 (or undergoing a major conversion on or after that date)
“transient load acceptance”	the maximum load capacity that a power generator set can accept instantaneously while the output voltage remains within a specified range
“V-model”	a V-shape product development framework characterized by the parallel execution of design and development on one side and testing and validation on the other side