

ENGINEERED FOR TOUGH CONDITIONS

SEALING

- IP56 dust and liquid protection
- Reinforced long lasting seal
- Liquid sealant between housing and end-shields ensures high level of IP levels

STRONG BEARING CONFIGURATION

- Increased load carrying capacity and life with 63..series big bearings
- High temperature resistant bearing grease
- External lubrication option

ROBUST MECHANICAL DESIGN

- Reinforced structure ensuring high strength and low vibration
- Two additional grounding points on housing
- 90° rotatable cast iron terminal box for easy connection

EFFECTIVE COOLING SYSTEM

- Aerodynamic design enables better air flow and low noise
- Lower winding and bearing temperature

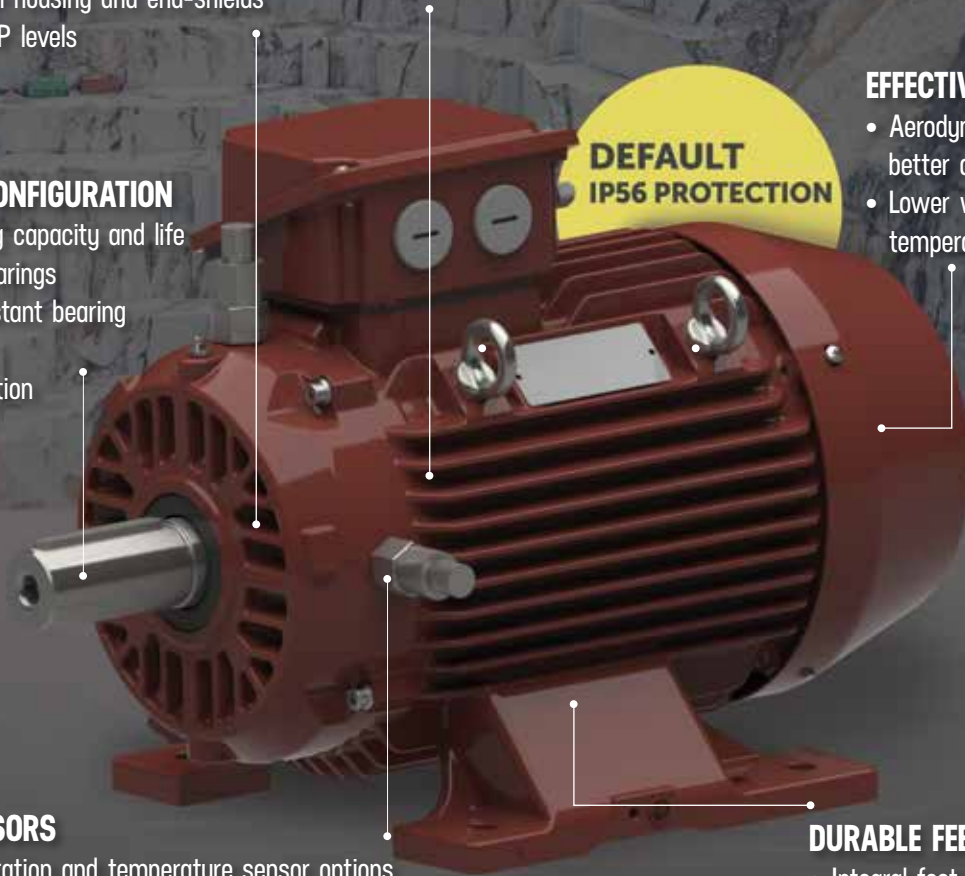
**DEFAULT
IP56 PROTECTION**

SENSORS

- Vibration and temperature sensor options
- Designed for easy sensor mounting

DURABLE FEET

- Integral feet design for high impact damping and low vibration



Default IP56 ingress and IK08 mechanical protection ensures a robust & reliable design for tough applications



Technical Specification	Cast-Iron Motor Range
Power Range	0,75 ... 315 kW
Number of Poles	2, 4, 6
Frame	80 ... 315
Efficiency Class	IE2 - IE3 - IE4
Insulation Class	F [Other] ¹⁾
Temperature Rise	B
Housing Material	Cast Iron
End-Shield / Flange	Cast Iron
Feet	Cast Iron [Integrated design for high durability]
Terminal Box	Cast Iron [90° rotatable]
Shaft Material	1.0511 [Stainless Steel, 4140 for roller bearing models] ¹⁾
Bearing	Ball Bearing [Roller Bearing 132 - 315] ¹⁾
Lubrication	ZZ [DE / NDE Regreasable Z 132 - 280] ¹⁾ Lubrication is standart application for 315 frame size
Sealing	80 ... 280 frame: Radial shaft seal with garter spring. 315 frame: V-ring seal
Cooling Method	IC 411 [Other] ¹⁾
Enclosure Protection	Default IP56 [IP66] ¹⁾
Mechanical Protection	IK 08
Corrosion Protection	C2-M [C3/C5-I] ¹⁾
Identification Plate	Aluminium [Stainless Steel] ¹⁾
Fan / Fan Cover	Plastic / Steel [Galvanized]
Brake	Optional
Thermal Protection	132 ... 315 built-in PTC, 80 ... 315 frame optional thermal protectors available
Monitoring	112 ... 315 optional [Thermal sensor for bearings and two vibration sensor for X-Y axis]
Other Options	Tropical Protection, Heating Strip, Canopy, Special Balancing, Vibration Class, Color, Insulated Bearing, Drain Holes

1) Upon Request

2) Please contact sales office for availability.

Specifications are subject to change without notice. It is the responsibility of the product user to determine the suitability of this product for a specific application.

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