

Motors in brief

IE2/IE3 aluminum motors, sizes 160 - 280

Size	M3AA	160	180	200	225	250	280
Stator	Material	Die-cast aluminum alloy		Extruded aluminum alloy			
	Paint color shade	Munsell blue 8B 4.5/3.25					
	Corrosion class	C3 medium according to ISO/EN 12944-5					
Feet	Material	Separate aluminum feet		Separate cast iron feet			
End shields	Material	Cast iron					
	Paint color shade	Munsell blue 8B 4.5/3.25					
	Corrosion class	C3 medium according to ISO/EN 12944-5					
Bearings	D-end	6309-2Z/C3	6310-2Z/C3	6312-2Z/C3	6313-2Z/C3	6315-2Z/C3	6316/C3 ¹⁾
	N-end	6209-2Z/C3	6209-2Z/C3	6210-2Z/C3	6212-2Z/C3	6213-2Z/C3	6213/C3
Axially locked bearings		Locked at D-end					
Bearing seals		Axial seal at both ends					
Lubrication		Permanently lubricated shielded bearings					
		Grease temperature range -40 °C to +160 °C					
Measuring nipples		Not included					
Rating plate	Material	Aluminum					
Terminal box	Material	Die-cast aluminum alloy, integrated in stator		Deep-drawn steel sheet, bolted to stator			
	Corrosion class	C3 medium according to ISO/EN 12944-					
	Cover screws	Zinc-electroplated steel					
Connections	Openings	(2xM40 + M16) + (2xM40)		2xFL13, 2xM40 + 1xM16			2xFL21
		Type: knock-outs		Voltage code S; 2xFL21, 2xM63 + 1xM16			2xM63, 1xM16
	Screws	M6		M10			
	Terminal box	6 terminals for connection with cable lugs (not included)					
Fan	Material	Glass-fiber reinforced polypropylene					
Fan cover	Material	Steel					
	Paint color shade	Munsell blue 8B 4.5/3.25					
	Corrosion class	C3 medium according to ISO/EN 12944-5					
Stator winding	Material	Copper					
	Insulation	Insulation class F					
	Winding protection	3 PTC thermistors, 150 °C					
Rotor winding	Material	Die-cast aluminum					
Balancing method		Half-key balancing					
Keyway		Closed keyway					
Drain holes		Drain holes with closable plastic plugs, open on delivery					
Enclosure		IP 55					
Cooling method		IC 411					

¹⁾ 6315/C3 for 2-pole motors