

Motors in brief

Aluminum motors, sizes 56 - 132



Motor size	M3AA	56-63	71	80	90	100	112	132
Stator and end shields	Material	Die-cast aluminum alloy						
	Paint colour shade	Munsell blue 8B 4.5/3.25						
	Corrosion class	C3 medium according IEO/EN 12944-5						
Feet	Integrated aluminum feet							
Bearings	D-end	6201-2Z/C3	6203-2Z/C3	6204-2Z/C3	6205-2Z/C3	6306-2Z/C3	6306-2Z/C3	6208-2Z/C3 6308-2Z/C3 (SM)
	N-end	6201-2Z/C3	6202-2Z/C3	6203-2Z/C3	6204-2Z/C3	6205-2Z/C3	6205-2Z/C3	6206-2Z/C3
Axially-locked bearings	Inner bearing cover	ND-end retaining ring	Locked at D-end					
Bearing seal	D-end	V-ring						
	N-end	Labyrinth seal						
Lubrication	Permanent grease lubrication. Grease temperature range -40°C to +160°C							
Measuring nipples for condition monitoring of the bearings	Not included							
Rating plate	Material	Aluminum						
Terminal box	Material	Die-cast aluminum alloy, integrated to stator						
	Cover screws material	Zinc-electroplated steel						
Connections	Openings	2x(M16+M16)	2x(M20 + M20)		2x(M20+M25)		2x(M20+M25) ¹⁾ 2x(M40+M32+M12) ²⁾	
	Terminals	6 terminals for connection with cable lugs (not included)						
	Cable glands	Optional						
Fan	Material	Glass-fiber reinforced polypropylene						
Fan cover	Material	Polypropylene						
	Paint colour shade	Munsell blue 8B 4.5/3.25						
	Corrosion class	C3 medium according IEO/EN 12944-5						
Stator winding	Material	Copper						
	Insulation	Insulation class F						
	Winding protection	Optional						
Rotor winding	Material	Die-cast aluminum						
Balancing	Half key balancing							
Key ways	Closed key way							
Drain holes	Without drain holes	Drain holes with closable plastic plugs, open on delivery						
External earthing bolt	As option							
Enclosure	IP 55							
Cooling method	IC 411							

¹⁾ S, SB, M, MA

²⁾ SC, MC, SMA-SME

Motors in brief

Aluminum motors, sizes 160 - 280



Motor size	M3AA	160	180	200	225	250	280
Stator and end shields	Material	Die-cast aluminum alloy	Extruded aluminum alloy				
	Paint colour shade	Munsell blue 8B 4.5/3.25					
	Corrosion class	C3 medium according IEO/EN 12944-5					
Feet		Separate aluminum feet	Separate cast iron feet				
Bearings	D-end	6309-2Z/C3	6310-2Z/C3	6312-2Z/C3	6313-2Z/C3	6315-2Z/C3	6316/C3
	N-end	6209-2Z/C3	6209-2Z/C3	6210-2Z/C3	6212-2Z/C3	6213-2Z/C3	6213/C3
Axially-locked bearings	Inner bearing cover	Locked at D-end					
Bearing seal	D-end	Axial seal					
	N-end	Axial seal					
Lubrication		Permanently lubricated shielded bearings					Regreasable
Measuring nipples for condition monitoring of the bearings		Not included					
Rating plate	Material	Aluminum					
Terminal box	Material	Die-cast aluminum alloy, integrated	Deep-drawn steel sheet, bolted to stator to stator				
	Cover screws material	Zinc-electroplated steel					
Connections	Openings	(2xM40+M16+(2xM40)	2xFL13, 2xM40 + 1xM16			2xFL21	
		Knock-out					
	Terminals	6 terminals for connection with cable lugs (not included)					
	Cable glands	Optional					
Fan	Material	Glass-fiber reinforced polypropylene					
Fan cover	Material	Steel					
	Paint colour shade	Munsell blue 8B 4.5/3.25					
	Corrosion class	C3 medium according IEO/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		Half key balancing					
Key ways		Closed key way					
Drain holes		Drain holes with closable plastic plugs, open on delivery					
External earthing bolt		As option					
Enclosure		IP 55					
Cooling method		IC411					