

# Motors in brief

## IE2/IE3/IE4 cast iron motors, sizes 280 - 450

Motor size	280		315	355	400	450	
Stator and end shields	Material	Cast iron					
	Paint color shade	Munsell blue 8B 4.5/3.25					
	Corrosion class	C3 (medium)					
Feet	Material	Integrated cast iron feet					
Bearings	D-end	2-pole	6316/C3	6316/C3	6316M/C3	6317M/C3	6317M/C3
		4-12-pole	6316/C3	6319/C3	6322/C3	6324/C3	6326M/C3
	N-end	2-pole	6316/C3	6316/C3	6316M/C3	6317M/C3	6317M/C3
		4-12-pole	6316/C3	6316/C3	6316/C3	6319/C3	6322/C3
Axially locked bearings		Locked at D-end					
Bearing seals	D-end	V-ring or labyrinth seal					
	N-end	V-ring or labyrinth seal					
Lubrication		Regreasable bearings, regreasing nipples M10x1					
Measuring nipples for condition monitoring of the bearings		Included					
Rating plate	Material	Stainless steel					
Terminal box	Frame and cover	Cast iron					Cover steel
	Corrosion class	C3 (medium)					Steel
	Cover screws	Zinc-electroplated steel					
Connections	Cable-entries	2-4-pole	2xM63	2xM63, 2xØ48-60	2xØ48-60, 60-80	2xØ60-80 (2-6-pole)	2xØ60-80
		6-8-pole			2xØ32-49, 48-60	2xØ48-60 (8-pole)	
		See section Standard terminal box for detailed information.					
	Terminals	6 terminals for connection with cable lugs (not included)					
	Cable glands	Cable flange and glands 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)					
Stator winding	Material	Copper					
	Insulation	Insulation class F. Temperature rise class B unless otherwise stated.					
	Winding protection	3 PTC thermistors, 155 °C					
Rotor winding	Material	Pressure die-cast aluminum					
Balancing method		Half-key balancing					
Keyway		Open keyway					
Drain holes		Drain holes with closable plastic plugs, open on delivery					
Enclosure		IP 55					
Cooling method		IC 411					