

Frame (IEC)	63	71	80	90	100	112	132	160	180	200	225	250	280	315	355	
Motor series	14AA	14AA	18AA	18AA	18AA	18AA	18AA	18AA	18AA	18AA	14AA	14AA	14AA			
Frame material	ALU	ALU	ALU	ALU	ALU	ALU	ALU	ALU	ALU	ALU	ALU	Cast Iron	Cast Iron			
Degree of protection	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+	IP55+			
Grounding																
Cooling method	Totally enclosed and fan cooled IC411															
Fan material	Plastic															
Fan cover material	Steel sheet metal										Plastic		Steel sheet metal			
End shield material	B3 DE-NDE	Aluminium										Cast Iron				
	B5 DE-NDE	Aluminium					Cast Iron									
	B14 DE-NDE	Aluminium					Cast Iron		na	na	na	na	na	na	na	na
Drain hole	1pc on DE-flange (closed as standard)															
Bearings	DE 2-pole	6201 ZZ C3	6202 ZZ C3	6204 ZZ C3	6305 ZZ C3	6306 ZZ C3	6306 ZZC3	6208 ZZ C3	6309 ZZ C3	6310 ZZ C3	6312 ZZ C3	6313 ZZ C3	6316 C3	6316 C3		
	DE 4-8 pole	6201 ZZ C3	6202 ZZ C3	6204 ZZ C3	6305 ZZ C3	6306 ZZ C3	6306 ZZC3	6208 ZZ C3	6309 ZZ C3	6310 ZZ C3	6312 ZZ C3	6313 ZZ C3	6316 C3	6316 C3		
	NDE 2-pole	6201 ZZ C3	6202 ZZ C3	6204 ZZ C3	6204/5 ZZ C3	6205 ZZ C3	6205 ZZ C3	6205 ZZ C3	6208/9 ZZ C3	6209 ZZ C3	6310 ZZ C3	6313 ZZ C3	6316 C3	6316 C3		
	NDE 4-8P	6201 ZZ C3	6202 ZZ C3	6204 ZZ C3	6204/5 ZZ C3	6205 ZZ C3	6205 ZZ C3	6208 ZZ C3	6208/9 ZZ C3	6209/10 ZZ C3	6310 ZZ C3	6313 ZZ C3	6316 C3	6316 C3		
	Locking	No locking with spring washer on NDE-side							Locked from NDE side							
Shaft Seal	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring	NBR oil ring		
Lubrication	Grease type	Shell Gadus S2 V100	Shell Gadus S2 V100	Shell Gadus S2 V100	Shell Gadus S2 V100	Shell Gadus S2 V100	Shell Gadus S2 V100	Shell Gadus S5 V220*	Shell Gadus S5 V220	Shell Gadus S5 V220	Shell Gadus S5 V220	Shell Gadus S5 V220	Shell Gadus S5 T460	Shell Gadus S5 T460		
Lubrication		without grease nipples (optional from IEC132)										with grease nipples				
Terminal board		M4 (1...2 Nm)	M4 (1...2 Nm)	M4 (1...2 Nm)	M5 (1.5...2.5 Nm)	M5 (1.5...2.5 Nm)	M5 (1.5...2.5 Nm)	M6 (3...4 Nm)	M6 (3...4 Nm)	M8 (5...7 Nm)	M8 (5...7 Nm)	M10 (7...9 Nm)	M10 (7...9 Nm)	M10 (7...9 Nm)		
Terminal box material		Aluminium										Cast Iron				
Cable glands	Main	1 x M20x1.5			1 x M25x1.5		2 x M25x1.5	2 x M32x1.5		2 x M40x1.5	2 x M50x1.5		2 x M63x1.5			
	Aux.	-			-		-	1 x M20x1.5		1 x M20x1.5	1 x M20x1.5		1 x M20x1.5			
Shaft	Material															
Shaft	DE threaded hole	M4 X 14mm	M5 x 17mm	M6 x 21mm	M8 x 25mm	M10 x 30 mm	M10 x 30 mm	M12 x 37 mm	M16 x 45 mm	M16 x 45 mm	M20 x 53mm	M20 x 53mm	M20 x 53mm	M20 x 53mm		
Vibration level		Vibration level A														
Nameplate material		Aluminium														
Painting	Paint type	Primer + top layer two component polyurethane-based topcoat														
Painting	layers std.	total 55 - 65 µm														
Painting	Colour	RAL 7031														
Standard voltage / frequency		230/400V, 50Hz / Y460V, 60Hz						400/690V, 50Hz / D460V, 60Hz								
Winding	Insulation class	F														
Winding	Inverter duty	Standard winding inverter duty up to 480V and included (w/o filters)														
Service factor		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
Thermal protection		-	-	-	-	-	-	-	PTC	PTC	PTC	PTC	PTC	PTC		
Flange and joint sealing		Blue Hylomar														