



technical data - EF Premium Range

Terminal Box

Constructed with 200MPa cast iron.

Table 1.1

Frame Size	Number of Entries	Entry / Pitch
80~100	1	M20X1.5
112~132	2	M25X1.5
160	2	M32X1.5+M25X1.5
180	2	M40X1.5+M25X1.5
200~280	2	M50X1.5+M25X1.5
315	2	M64X2+M25X1.5
355	2	M72X2+M25X1.5

Earthing

All terminal boxes include an internal earth stud. See Table 1.2 below for additional external earthing pads.

Table 1.2

Frame Size	Number of Bolts	Thread Size
80~132	1	M5
160~180	1	M6
200~280	1	M8
315~355	1	M10

Cooling

Cooling fan construction is polypropylene.

When installing the motor, it is important to ensure airflow into the motor cowl is not restricted.

Table 1.3 below provides dimensions that should be used as a guide for minimum distance requirements from restricted services.

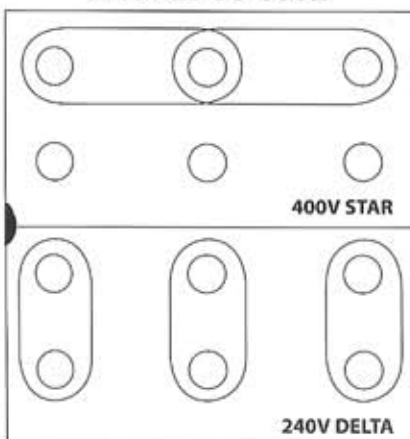
Table 1.3

Frame Size	Dimension
80-100	60
112-132	80
160-180	100
200-250	120
280-355	150

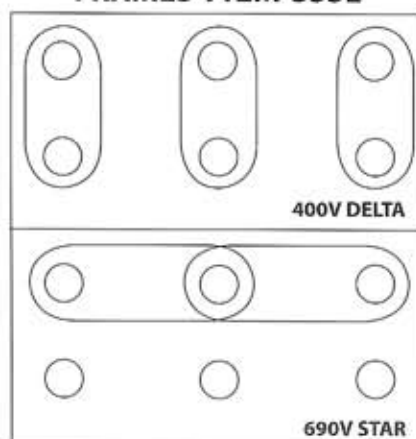
Connections

Table 1.4

FRAMES 80-100L



FRAMES 112M-355L



technical data - EF Premium Range**Bearings****Table 1.5**

Motor Frame	Drive End (DE)	Non Drive End (NDE)
80 M	6205-ZZ	6205-ZZ
90 S/L	6206-ZZ	6206-ZZ
100L	6206-ZZ	6206-ZZ
112M	6207-ZZ	6207-ZZ
132 S/M	6208-ZZ	6208-ZZ
160 M/L - 2	6209	6209
160 M/L - 4/6/8	6309	6209
180 M/L - 2	6211	6211
180 M/L - 4/6/8	6311	6211
200 L - 2	6212	6212
200 L - 4/6/8	6312	6212
225 S/M - 2	6312	6312
225 S/M - 4/6/8	6313	6312
250 S/M - 2	6313	6313
250 S/M - 4/6/8	6315	6313
280 S/M - 2	6314	6314
280 S/M - 4/6/8	6317	6314
315 S/M/L - 2	6317	6317
315 S/M/L - 4/6/8	NU319	6319
355 M/L - 2	6319	6319
355 M/L - 4/6/8	NU322	6322

Maximum Permissible Radial Force**Table 1.6**

Frame	Permissible Radial Force			
	3000r/min	1500r/min	1000r/min	750r/min
80 M	400	515	605	675
90 S/L	605	775	910	1030
100L	840	1030	1250	1400
112M	940	1150	1400	1560
132 S/M	1180	1530	1780	1980
160 M/L	1210	1590	1820	2080
180 M/L	1550	1950	2250	2500
200 L	2100	2750	3200	3450
225 S/M	2550	2950	3600	3900
250 S/M	2950	3600	4350	4700
280 S/M	2800	7200	8900	9850