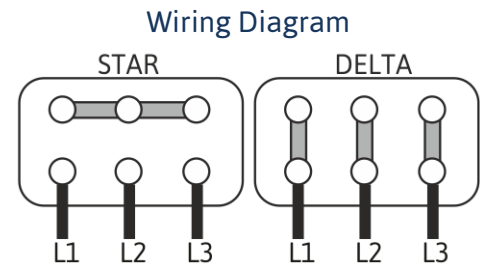


Three-phase Motor Type*	1TZ9503-2BB23-4_A4	4pole			
Area	Safe Area				
Environmental Conditions	-20°C to +40°C, up to 1000 metres above sea level				
Rated Voltage	400/690V 50Hz, 460VD 60Hz				
Output at 50Hz	45. kW				
Output at 60Hz	52. kW				
Frame Size	225M cast iron				
Speed at 50Hz	1478 rpm				
Speed at 60Hz	1778 rpm				
Current at 380V 50Hz	84.A				
Current at 400V 50Hz	80.A				
Current at 415V 50Hz	77.A				
Current at 460V 60Hz	81.A				
Efficiency Class (at 50Hz)	IE3				
Percentage Load	125%	100%	75%	50%	25%
Efficiency at 50Hz	93.2%	94.2%	94.9%	95.1%	93.2%
Efficiency at 60Hz	93.3%	94.1%	94.6%	94.6%	92.5%
Power factor (cos fi) at 50Hz	0.87	0.86	0.83	0.74	0.54
Power factor (cos fi) at 60Hz	0.87	0.86	0.83	0.76	0.55
Rated Torque at 50Hz	291. Nm				
Rated Torque at 60Hz	274. Nm				
Duty Cycle	S1				
Starting Current Ratio	6.4 (50Hz)				
Starting Torque Ratio	2.6 (50Hz)				
Breakdown Torque Ratio	2.7 (50Hz)				
Internal Protection / Cooling	IP55 / IC411 (TEFC)				
Insulation Class	F (155°C), temperature rise B (80k)				
Acoustic Pressure	57 dB(A) at 50Hz speed / 60 dB(A) at 60Hz speed				
Standard Mountings	B3, B5, B3/B5				
Weight	320. kg				
Moment of Inertia	0.47 kgm ²				
Bearing DE/NDE	6313 Z C3 / 6313 Z C3 (Bearing located at NDE)				
Bearing Lubrication	Esso Unirex N3				



*The 16th digit of the Type Number denominates the motor mounting.