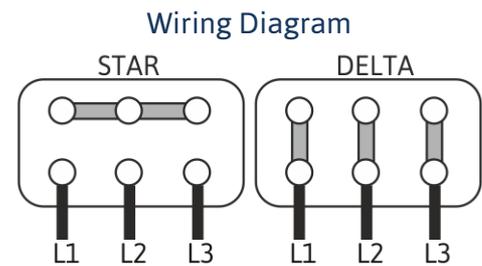


<b>Three-phase Motor Type*</b>	1TZ9003-1DB23-4_A4	4pole			
<b>Area</b>	Safe Area				
<b>Environmental Conditions</b>	-20°C to +40°C, up to 1000 metres above sea level				
<b>Rated Voltage</b>	400/690V 50Hz, 460VD 60Hz				
<b>Output at 50Hz</b>	11. kW				
<b>Output at 60Hz</b>	12.6 kW				
<b>Frame Size</b>	160M Aluminium frame, cast iron endshields/flanges				
<b>Speed at 50Hz</b>	1475 rpm				
<b>Speed at 60Hz</b>	1775 rpm				
<b>Current at 380V 50Hz</b>	21.8A				
<b>Current at 400V 50Hz</b>	20.5A				
<b>Current at 415V 50Hz</b>	20.A				
<b>Current at 460V 60Hz</b>	20.A				
<b>Efficiency Class (at 50Hz)</b>	IE3				
<b>Percentage Load</b>	<b>125%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>	<b>25%</b>
<b>Efficiency at 50Hz</b>	90.5%	<b>91.4%</b>	91.9%	91.4%	87.5%
<b>Efficiency at 60Hz</b>	91.6%	<b>92.4%</b>	92.7%	92.1%	88.2%
<b>Power factor (cos fi) at 50Hz</b>	0.86	<b>0.84</b>	0.80	0.70	0.48
<b>Power factor (cos fi) at 60Hz</b>	0.87	<b>0.85</b>	0.81	0.73	0.51
<b>Rated Torque at 50Hz</b>	71. Nm				
<b>Rated Torque at 60Hz</b>	68. Nm				
<b>Duty Cycle</b>	S1				
<b>Starting Current Ratio</b>	6.8 (50Hz)				
<b>Starting Torque Ratio</b>	2.2 (50Hz)				
<b>Breakdown Torque Ratio</b>	3.2 (50Hz)				
<b>Internal Protection / Cooling</b>	IP55 / IC411 (TEFC)				
<b>Insulation Class</b>	F (155°C), temperature rise B (80k)				
<b>Acoustic Pressure</b>	65 dB(A) at 50Hz speed / 69 dB(A) at 60Hz speed				
<b>Standard Mountings</b>	B3, B5, B3/B5, B14A, B3/B14A				
<b>Weight</b>	83. kg				
<b>Moment of Inertia</b>	0.083 kgm <sup>2</sup>				
<b>Bearing DE/NDE</b>	6309 2Z C3 / 6309 2Z C3 (Bearing located at NDE)				
<b>Bearing Lubrication</b>	Esso Unirex N3				



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