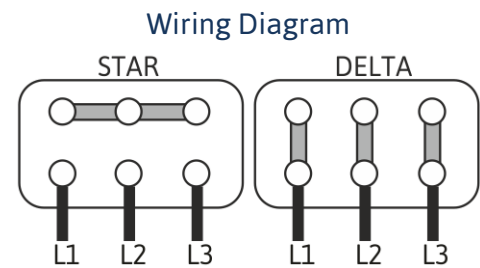


<b>Three-phase Motor Type*</b>	1TZ9003-1DC23-4_A4	6pole			
<b>Area</b>	Safe Area				
<b>Environmental Conditions</b>	-20°C to +40°C, up to 1000 metres above sea level				
<b>Rated Voltage</b>	400/690V 50Hz, 460VD 60Hz				
<b>Output at 50Hz</b>	7.5 kW				
<b>Output at 60Hz</b>	8.6 kW				
<b>Frame Size</b>	160M Aluminium frame, cast iron endshields/flanges				
<b>Speed at 50Hz</b>	985 rpm				
<b>Speed at 60Hz</b>	1185 rpm				
<b>Current at 380V 50Hz</b>	16.8A				
<b>Current at 400V 50Hz</b>	15.A				
<b>Current at 415V 50Hz</b>	15.4A				
<b>Current at 460V 60Hz</b>	14.5A				
<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>	88.0%	<b>89.1%</b>	89.5%	88.6%	83.8%
<b>Efficiency at 60Hz</b>	90.4%	<b>91.0%</b>	91.3%	90.2%	85.3%
<b>Power factor (cos fi) at 50Hz</b>	0.83	<b>0.81</b>	0.76	0.65	0.44
<b>Power factor (cos fi) at 60Hz</b>	0.84	<b>0.82</b>	0.77	0.67	0.46
<b>Rated Torque at 50Hz</b>	73. Nm				
<b>Rated Torque at 60Hz</b>	70. Nm				
<b>Duty Cycle</b>	S1				
<b>Starting Current Ratio</b>	7.9 (50Hz)				
<b>Starting Torque Ratio</b>	2.3 (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>	71 dB(A) at 50Hz speed / 75 dB(A) at 60Hz speed				
<b>Standard Mountings</b>	B3, B5, B3/B5, B14A, B3/B14A				
<b>Weight</b>	93. kg				
<b>Moment of Inertia</b>	0.098 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.