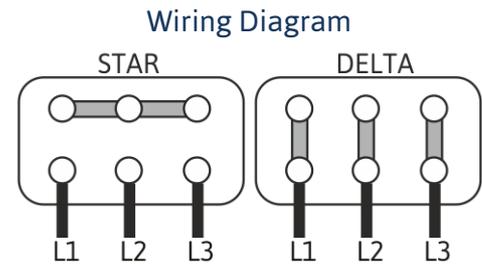


<b>Three-phase Motor Type*</b>	1TZ9003-0EB42-2_A4	4pole			
<b>Area</b>	Safe Area				
<b>Environmental Conditions</b>	-20°C to +40°C, up to 1000 metres above sea level				
<b>Rated Voltage</b>	230/400V 50Hz, 460VY 60Hz				
<b>Output at 50Hz</b>	1.5 kW				
<b>Output at 60Hz</b>	1.75 kW				
<b>Frame Size</b>	90L Aluminium frame, cast iron endshields/flanges				
<b>Speed at 50Hz</b>	1445 rpm				
<b>Speed at 60Hz</b>	1740 rpm				
<b>Current at 380V 50Hz</b>	3.3A				
<b>Current at 400V 50Hz</b>	3.15A				
<b>Current at 415V 50Hz</b>	3.1A				
<b>Current at 460V 60Hz</b>	3.15A				
<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>	83.4%	<b>85.3%</b>	86.0%	85.2%	78.8%
<b>Efficiency at 60Hz</b>	85.1%	<b>86.5%</b>	87.0%	85.7%	79.5%
<b>Power factor (cos fi) at 50Hz</b>	0.84	<b>0.80</b>	0.73	0.60	0.39
<b>Power factor (cos fi) at 60Hz</b>	0.84	<b>0.80</b>	0.74	0.62	0.41
<b>Rated Torque at 50Hz</b>	9.9 Nm				
<b>Rated Torque at 60Hz</b>	9.6 Nm				
<b>Duty Cycle</b>	S1				
<b>Starting Current Ratio</b>	7.3 (50Hz)				
<b>Starting Torque Ratio</b>	2.9 (50Hz)				
<b>Breakdown Torque Ratio</b>	3.5 (50Hz)				
<b>Internal Protection / Cooling</b>	IP55 / IC411 (TEFC)				
<b>Insulation Class</b>	F (155°C), temperature rise B (80k)				
<b>Acoustic Pressure</b>	60 dB(A) at 50Hz speed / 58 dB(A) at 60Hz speed				
<b>Standard Mountings</b>	B3, B5, B3/B5, B14A, B3/B14A, B14B, B3/B14B				
<b>Weight</b>	19. kg				
<b>Moment of Inertia</b>	0.0036 kgm <sup>2</sup>				
<b>Bearing DE/NDE</b>	6205 2Z C3 / 6004 2Z C3 (Bearing located at NDE)				
<b>Bearing Lubrication</b>	Esso Unirex N3				



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