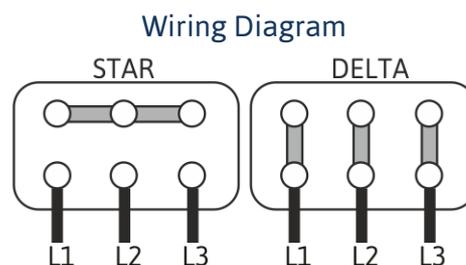


<b>Three-phase Motor Type*</b>	1TZ9503-1EB23-4_A4	4pole			
<b>Area</b>	Safe Area				
<b>Environmental Conditions</b>	-20°C to +40°C, up to 1000 metres above sea level				
<b>Rated Voltage</b>	400/690V 50Hz, 460VD 60Hz				
<b>Output at 50Hz</b>	18.5 kW				
<b>Output at 60Hz</b>	21.3 kW				
<b>Frame Size</b>	180M cast iron				
<b>Speed at 50Hz</b>	1470 rpm				
<b>Speed at 60Hz</b>	1770 rpm				
<b>Current at 380V 50Hz</b>	37.1A				
<b>Current at 400V 50Hz</b>	35.A				
<b>Current at 415V 50Hz</b>	33.9A				
<b>Current at 460V 60Hz</b>	34.5A				
<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>	91.7%	<b>92.6%</b>	93.1%	92.9%	89.9%
<b>Efficiency at 60Hz</b>	92.8%	<b>93.6%</b>	94.0%	93.6%	90.5%
<b>Power factor (cos fi) at 50Hz</b>	0.84	<b>0.82</b>	0.77	0.68	0.46
<b>Power factor (cos fi) at 60Hz</b>	0.85	<b>0.83</b>	0.79	0.70	0.49
<b>Rated Torque at 50Hz</b>	120. Nm				
<b>Rated Torque at 60Hz</b>	115. Nm				
<b>Duty Cycle</b>	S1				
<b>Starting Current Ratio</b>	7.2 (50Hz)				
<b>Starting Torque Ratio</b>	2.5 (50Hz)				
<b>Breakdown Torque Ratio</b>	3.3 (50Hz)				
<b>Internal Protection / Cooling</b>	IP55 / IC411 (TEFC)				
<b>Insulation Class</b>	F (155°C), temperature rise B (80k)				
<b>Acoustic Pressure</b>	66 dB(A) at 50Hz speed / 70 dB(A) at 60Hz speed				
<b>Standard Mountings</b>	B3, B5, B3/B5				
<b>Weight</b>	165. kg				
<b>Moment of Inertia</b>	0.13 kgm <sup>2</sup>				
<b>Bearing DE/NDE</b>	6310 Z C3 / 6310 Z C3 (Bearing located at NDE)				
<b>Bearing Lubrication</b>	Esso Unirex N3				



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