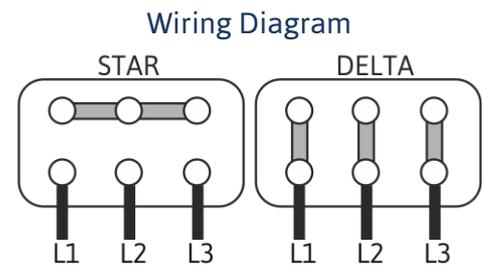


<b>Three-phase Motor Type*</b>	1TZ9503-2BA23-4_A4	2pole			
<b>Area</b>	Safe Area				
<b>Environmental Conditions</b>	-20°C to +40°C, up to 1000 metres above sea level				
<b>Rated Voltage</b>	400/690V 50Hz, 460VD 60Hz				
<b>Output at 50Hz</b>	45. kW				
<b>Output at 60Hz</b>	51. kW				
<b>Frame Size</b>	225M cast iron				
<b>Speed at 50Hz</b>	2960 rpm				
<b>Speed at 60Hz</b>	3560 rpm				
<b>Current at 380V 50Hz</b>	82.A				
<b>Current at 400V 50Hz</b>	78.A				
<b>Current at 415V 50Hz</b>	75.A				
<b>Current at 460V 60Hz</b>	77.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>	93.3%	<b>94.0%</b>	94.5%	94.4%	92.2%
<b>Efficiency at 60Hz</b>	93.0%	<b>93.6%</b>	93.9%	93.6%	91.0%
<b>Power factor (cos fi) at 50Hz</b>	0.90	<b>0.89</b>	0.87	0.80	0.62
<b>Power factor (cos fi) at 60Hz</b>	0.89	<b>0.89</b>	0.87	0.81	0.63
<b>Rated Torque at 50Hz</b>	145. Nm				
<b>Rated Torque at 60Hz</b>	137. Nm				
<b>Duty Cycle</b>	S1				
<b>Starting Current Ratio</b>	6.9 (50Hz)				
<b>Starting Torque Ratio</b>	2.4 (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>	67 dB(A) at 50Hz speed / 72 dB(A) at 60Hz speed				
<b>Standard Mountings</b>	B3, B5, B3/B5				
<b>Weight</b>	315. kg				
<b>Moment of Inertia</b>	0.26 kgm <sup>2</sup>				
<b>Bearing DE/NDE</b>	6313 Z C3 / 6313 Z C3 (Bearing located at NDE)				
<b>Bearing Lubrication</b>	Esso Unirex N3				



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