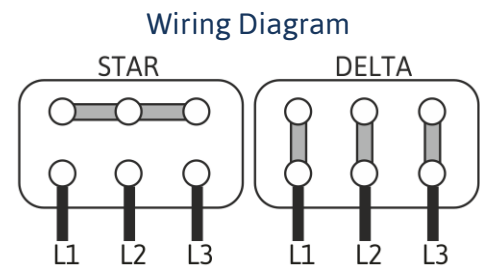


| | | | | | |
|--------------------------------------|----------------------------------------------------|--------------|------------|------------|------------|
| Three-phase Motor Type* | 1TZ9003-1BB23-4_A4 | 4pole | | | |
| Area | Safe Area | | | | |
| Environmental Conditions | -20°C to +40°C, up to 1000 metres above sea level | | | | |
| Rated Voltage | 400/690V 50Hz, 460VD 60Hz | | | | |
| Output at 50Hz | 4. kW | | | | |
| Output at 60Hz | 4.55 kW | | | | |
| Frame Size | 112M Aluminium frame, cast iron endshields/flanges | | | | |
| Speed at 50Hz | 1460 rpm | | | | |
| Speed at 60Hz | 1760 rpm | | | | |
| Current at 380V 50Hz | 8.4A | | | | |
| Current at 400V 50Hz | 7.9A | | | | |
| Current at 415V 50Hz | 7.7A | | | | |
| Current at 460V 60Hz | 7.7A | | | | |
| Efficiency Class (at 50Hz) | IE3 | | | | |
| Percentage Load | 125% | 100% | 75% | 50% | 25% |
| Efficiency at 50Hz | 87.4% | 88.6% | 89.2% | 88.6% | 83.6% |
| Efficiency at 60Hz | 88.4% | 89.5% | 90.0% | 89.3% | 84.3% |
| Power factor (cos fi) at 50Hz | 0.85 | 0.82 | 0.76 | 0.65 | 0.43 |
| Power factor (cos fi) at 60Hz | 0.86 | 0.83 | 0.78 | 0.67 | 0.46 |
| Rated Torque at 50Hz | 26. Nm | | | | |
| Rated Torque at 60Hz | 25. Nm | | | | |
| Duty Cycle | S1 | | | | |
| Starting Current Ratio | 7.1 (50Hz) | | | | |
| Starting Torque Ratio | 2.4 (50Hz) | | | | |
| Breakdown Torque Ratio | 3.7 (50Hz) | | | | |
| Internal Protection / Cooling | IP55 / IC411 (TEFC) | | | | |
| Insulation Class | F (155°C), temperature rise B (80k) | | | | |
| Acoustic Pressure | 58 dB(A) at 50Hz speed / 62 dB(A) at 60Hz speed | | | | |
| Standard Mountings | B3, B5, B3/B5, B14A, B3/B14A, B14B, B3/B14B | | | | |
| Weight | 34. kg | | | | |
| Moment of Inertia | 0.017 kgm ² | | | | |
| Bearing DE/NDE | 6306 2Z C3 / 6306 2Z C3 (Bearing located at NDE) | | | | |
| Bearing Lubrication | Esso Unirex N3 | | | | |



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