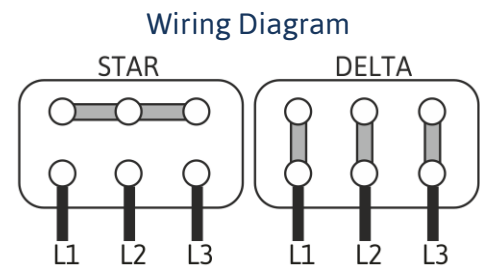


|                                      |  |              |            |            |            |
|--------------------------------------|--|--------------|------------|------------|------------|
| <b>Three-phase Motor Type*</b>       | 1TZ9003-1CD23-4_A4                                 | 8pole        |            |            |            |
| <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>                | 3. kW  |              |            |            |            |
| <b>Output at 60Hz</b>                | 3.45 kW  |              |            |            |            |
| <b>Frame Size</b>                    | 132M Aluminium frame, cast iron endshields/flanges |              |            |            |            |
| <b>Speed at 50Hz</b>                 | 725 rpm  |              |            |            |            |
| <b>Speed at 60Hz</b>                 | 875 rpm  |              |            |            |            |
| <b>Current at 380V 50Hz</b>          | 9.A  |              |            |            |            |
| <b>Current at 400V 50Hz</b>          | 8.5A   |              |            |            |            |
| <b>Current at 415V 50Hz</b>          | 8.2A   |              |            |            |            |
| <b>Current at 460V 60Hz</b>          | 8.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>            | 82.5%  | <b>83.5%</b> | 84.2%      | 82.7%      | 75.0%      |
| <b>Efficiency at 60Hz</b>            | 85.4%  | <b>86.5%</b> | 87.4%      | 86.4%      | 79.9%      |
| <b>Power factor (cos fi) at 50Hz</b> | 0.64   | <b>0.61</b>  | 0.54       | 0.42       | 0.26       |
| <b>Power factor (cos fi) at 60Hz</b> | 0.65   | <b>0.63</b>  | 0.57       | 0.46       | 0.29       |
| <b>Rated Torque at 50Hz</b>          | 40. Nm   |              |            |            |            |
| <b>Rated Torque at 60Hz</b>          | 38. Nm   |              |            |            |            |
| <b>Duty Cycle</b>                    | S1   |              |            |            |            |
| <b>Starting Current Ratio</b>        | 3.8 (50Hz)   |              |            |            |            |
| <b>Starting Torque Ratio</b>         | 1.5 (50Hz)   |              |            |            |            |
| <b>Breakdown Torque Ratio</b>        | 2.0 (50Hz)   |              |            |            |            |
| <b>Internal Protection / Cooling</b> | IP55 / IC411 (TEFC)                                |              |            |            |            |
| <b>Insulation Class</b>              | F (155°C), temperature rise B (80k)                |              |            |            |            |
| <b>Acoustic Pressure</b>             | 64 dB(A) at 50Hz speed / 67 dB(A) at 60Hz speed    |              |            |            |            |
| <b>Standard Mountings</b>            | B3, B5, B3/B5, B14A, B3/B14A                       |              |            |            |            |
| <b>Weight</b>                        | 65. kg   |              |            |            |            |
| <b>Moment of Inertia</b>             | 0.048 kgm <sup>2</sup>                             |              |            |            |            |
| <b>Bearing DE/NDE</b>                | 6308 2Z C3 / 6308 2Z C3 (Bearing located at NDE)   |              |            |            |            |
| <b>Bearing Lubrication</b>           | Esso Unirex N3                                     |              |            |            |            |



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