

IEC LV MOTORS

Motor data sheet

M2BAX 71MB 4

For ordering purposes within selected meps, please add , +002 Restamping voltage, frequency and output, continuous duty

| Definition | Data | Unit | Remarks |
|-----------------------------------------------------------|-------------------------------|-----------------------|-------------------------------------------|
| Product code | 3GBA072320-**D | | CalcId: 3GZC021007-39 |
| Voltage code | S | | |
| Type/Frame | M2BAX 71MB 4 | | |
| Design | CENELEC | | |
| Efficiency class | IE3 | | IEC 60034-2-1:2014 |
| Rated output P_N | 0.25 | kW | |
| Rated voltage U_N | 415 | V | ± 5 % (IEC 60034-1) |
| Rated frequency f_N | 50 | Hz | ± 2 % (IEC 60034-1) |
| Rated speed n_N | 1443 | r/min | |
| Rated current I_N | 0.78 | A | |
| Starting current I_S/I_N | 5.5 | | |
| Nominal torque T_N | 1.67 | Nm | |
| Locked rotor torque T_l/T_N | 3 | | |
| Maximum torque T_b/T_N | 3.8 | | |
| Efficiency - full load 100% | 73.5 | % | IEC 60034-2-1:2014 |
| Efficiency - 75% | 70.4 | % | |
| Efficiency - 50% | 63.9 | % | |
| Power factor - full load 100% | 0.61 | | |
| Bearing DE/NDE | 6203-2Z/C3 6202-2Z/C3 | | |
| Sound pressure level L_{pA} dB | 41.7 | dB(A) | +3dB(A) |
| Moment of inertia $J = \frac{1}{4} GD^2$ kgm ² | 0.00075 | kg-m ² | |
| Weight | 10 | kg | |
| Ambient temperature | 40 | °C | |
| Motor losses at VSD operating points | losses in efficiency % | losses in Watt | losses in relative to nom. power % |
| VSD Speed 90% Torque 100% | 71.2 | 91 | 36.4 |
| VSD Speed 50% Torque 100% | 60.8 | 81 | 32.2 |
| VSD Speed 25% Torque 100% | 41.6 | 88 | 35.1 |
| VSD Speed 90% Torque 50% | 60.7 | 73 | 29.1 |
| VSD Speed 50% Torque 50% | 52.7 | 56 | 22.4 |
| VSD Speed 50% Torque 25% | 36.6 | 54 | 21.7 |
| VSD Speed 25% Torque 25% | 29.0 | 38 | 15.3 |