

Motor data sheet

M2AA 90LD 6

| Definition | Data | Unit | Remarks |
|---|-----------------------|-------------------|-----------------------|
| Product code | 3GAA 093 214-**E | | |
| Voltage code | S | | |
| Type/Frame | M2AA 90LD 6 | | |
| Design | CENELEC | | |
| Efficiency class | IE2 | | |
| Rated output P_N | 1.1 | kW | |
| Rated voltage U_N | 230 | V X | ± 5 % (IEC 60034-1) |
| Rated frequency f_N | 50 | Hz | ± 2 % (IEC 60034-1) |
| Rated speed n_N | 935 | r/min | |
| Rated current I_N | 5.22 | A | |
| Starting current I_S/I_N | 4.2 | | |
| Nominal torque T_N | 11.2 | Nm | |
| Locked rotor torque T_l/T_N | 2.2 | | |
| Maximum torque T_b/T_N | 2.6 | | |
| Efficiency - full load 100% | 78.2 | % | Acc. to IEC 60034-2-1 |
| Efficiency - 75% | 79.1 | % | |
| Efficiency - 50% | 76.5 | % | |
| Power factor - full load 100% | 0.66 | | |
| Bearing DE/NDE | 6205-2Z/C3 6204-2Z/C3 | | |
| Sound pressure level L_{pA} dB | 44 | dB(A) | +3dB(A) |
| Moment of inertia $J = \frac{1}{4} GD^2$ kgm ² | 0.01 | kg-m ² | |
| Weight | 20 | kg | |