

# Motor data sheet

## M3GP 80MC 2

| Definition                                                | Data                  | Unit              | Remarks               |
|-----------------------------------------------------------|-----------------------|-------------------|-----------------------|
| Product code                                              | 3GGP081323-**B        |                   |                       |
| Voltage code                                              | D                     |                   |                       |
| Type/Frame                                                | M3GP 80MC 2           |                   |                       |
| Design                                                    | CENELEC               |                   |                       |
| Efficiency class                                          | IE2                   |                   |                       |
| Rated output $P_N$                                        | 1.1                   | kW                |                       |
| Rated voltage $U_N$                                       | 400                   | V                 | ± 5 % (IEC 60034-1)   |
| Rated frequency $f_N$                                     | 50                    | Hz                | ± 2 % (IEC 60034-1)   |
| Rated speed $n_N$                                         | 2870                  | r/min             |                       |
| Rated current $I_N$                                       | 2.44                  | A                 |                       |
| Starting current $I_S/I_N$                                | 7.5                   |                   |                       |
| Nominal torque $T_N$                                      | 3.63                  | Nm                |                       |
| Locked rotor torque $T_l/T_N$                             | 3.7                   |                   |                       |
| Maximum torque $T_b/T_N$                                  | 4.6                   |                   |                       |
| Efficiency - full load 100%                               | 81.8                  | %                 | Acc. to IEC 60034-2-1 |
| Efficiency - 75%                                          | 81.7                  | %                 |                       |
| Efficiency - 50%                                          | 78.9                  | %                 |                       |
| Power factor - full load 100%                             | 0.8                   |                   |                       |
| Bearing DE/NDE                                            | 6204-2Z/C3 6203-2Z/C3 |                   |                       |
| Sound pressure level $L_{pA}$ dB                          | 60                    | dB(A)             | +3dB(A)               |
| Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup> | 0                     | kg-m <sup>2</sup> |                       |
| Weight                                                    | 18                    | kg                |                       |
| Type of protection                                        | Ex nA IIC T3 Gc       |                   |                       |
| Certification No.                                         |                       |                   |                       |
| tE time                                                   | -1                    | s                 |                       |