

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA7080-4AA11

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data:

| | | | | | | |
|----------------------------|---|--------|-------------|-------|-------|-------|
| Rated voltage : | (1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz | | | | | |
| Frequency : | 50 Hz | | 60 Hz | | | |
| Rated power : | 0.55 kW | | 0.63 kW | | | |
| Rated speed : | 1395 1/ min | | 1695 1/ min | | | |
| Rated torque : | 3.8 Nm | | 3.5 Nm | | | |
| Rated current (IE) : | VD | VY | VY | | | |
| | 2.54 A | 1.46 A | 1.42 A | | | |
| Starting / rated current : | 3.9 | | 4.3 | | | |
| Breakdown / rated torque : | 2.2 | | 2.2 | | | |
| Starting / rated torque : | 2.2 | | 2.2 | | | |
| | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 |
| Efficiency % | 69.4% | 69.4% | 65.4% | 69.5% | 69.5% | 65.5% |
| Power factor : | 0.81 | 0.77 | 0.67 | 0.80 | 0.75 | 0.65 |
| Efficiency class : | -/ | | -/ | | | |

Mechanical data:

| | | |
|--|--|----------|
| Sound pressure level 50Hz/60Hz (load) : | 47 dB(A) | 51 dB(A) |
| Moment of inertia : | 0.0014 kg*m ² | |
| Bearing DE : | 6004 2ZC3 | |
| Bearing NDE : | 6004 2ZC3 | |
| Type of bearing : | Floating bearings pre-loaded DE (standard) | |
| Condensate drainage holes : | No | |
| Regreasing device : | No | |
| Lubricants : | Esso Unirex N3 | |
| Grease lifetime/Relubrication interval : | 40000 h | |
| Quantity of grease for relubrication : | null g | |
| External earthing terminal : | No | |
| Coating : | Special paint finish RAL 7030 stone gray | |

Environmental conditions:

| | |
|--------------------------------|------------------------|
| Ambient temperature : | -20 °C - +40 °C |
| Altitude above sea level : | 1000 m |
| Standards and specifications : | IEC, DIN, ISO, VDE, EN |

General data:

| | |
|--|-------------------------------|
| Frame size | 080 M |
| Design of electrical machine : | (1) IM B5 / V1 without canopy |
| Weight in kg, without optional accessories : | 9.00 kg |
| Frame material : | Aluminum |
| Degree of protection : | IP 55 |
| Method of cooling, TEFC : | IC 411 |
| Vibration class : | A (Standard) |
| Insulation : | 155(F) to 130(B) |
| Duty type : | S1 - continuous duty |
| Direction of rotation : | Bi-directional |

Terminal box:

| | |
|----------------------------------|--------|
| Material of terminal box : | |
| Type of terminal box : | gk 030 |
| Contact screw thread : | |
| Max. cross-sectional area : | |
| Cable diameter from ... to ... : | |
| Cable entry : | |
| Cable gland : | |

Special design: