



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA7070-2AA10

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 :              | 0.37 kW                                 |        | 0.43 kW     |        |       |       |
| Rated speed :              | 2740 1/ min                             |        | 3340 1/ min |        |       |       |
| Rated torque :             | 1.3 Nm                                  |        | 1.2 Nm      |        |       |       |
| Rated current (IE) :       | VD                                      | VY     |             | VY     |       |       |
|                            | 1.74 A                                  | 1.00 A |             | 1.00 A |       |       |
| Starting / rated current : | 3.5                                     |        | 4.5         |        |       |       |
| Breakdown / rated torque : | 2.3                                     |        | 2.5         |        |       |       |
| Starting / rated torque :  | 2.3                                     |        | 2.5         |        |       |       |
|                            | 4/4                                     | 3/4    | 2/4         | 4/4    | 3/4   | 2/4   |
| Efficiency %               | 66.0%                                   | 65.0%  | 61.0%       | 66.0%  | 65.0% | 61.0% |
| Power factor :             | 0.82                                    | 0.77   | 0.67        | 0.82   | 0.77  | 0.67  |
| Efficiency class :         | -/-                                     |        | -/-         |        |       |       |

Mechanical data:

|                                          |                                            |          |
|------------------------------------------|--------------------------------------------|----------|
| Sound pressure level 50Hz/60Hz (load) :  | 52 dB(A)                                   | 56 dB(A) |
| Moment of inertia :                      | 0.00029 kg*m²                              |          |
| Bearing DE :                             | 6202 2ZC3                                  |          |
| Bearing NDE :                            | 6202 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                                   | 071 M                                        |
| Design of electrical machine :               | (0) IM B3 / B6 / B7 / B8 / V5 without canopy |
| Weight in kg, without optional accessories : | 5.00 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: