



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4207-6AA60

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

Item no. :  
Consignment no. :  
Project :

| Electrical data :                                       |        |        |           |        |            |        |
|---|--------|--------|-----------|--------|------------|--------|
| Rated voltage : (6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz |        |        |           |        |            |        |
| Frequency :   |        |        | 50 Hz     |        | 60 Hz      |        |
| Rated power :   |        |        | 22.00 kW  |        | 26.50 kW / |        |
| Rated speed :   |        |        | 975 1/min |        | 1175 1/min |        |
| Rated torque :  |        |        | 215.5 Nm  |        | 215.4 Nm   |        |
| Rated current (IE) :                                    |        |        | VD        | VY     | VD         | VY     |
|   |        |        | 44.0 A    | 25.5 A | 44.5 A     |        |
| Starting / rated current :                              |        |        | 5.7       |        | 5.6        |        |
| Breakdown / rated torque :                              |        |        | 2.5       |        | 2.4        |        |
| Starting / rated torque :                               |        |        | 2.6       |        | 2.5        |        |
| Efficiency %  | 4/4    | 3/4    | 2/4       | 4/4    | 3/4        | 2/4    |
|   | 89.2 % | 89.9 % | 88.8 %    | 91.0 % | 91.9 %     | 91.8 % |
| Power factor :  | 0.81   | 0.77   | 0.67      | 0.82   | 0.82       | 0.69   |
| Efficiency class :                                      | IE1    |        |           | IE1    |            |        |
| no value  |        |        |           |        |            |        |
| No  |        |        |           |        |            |        |

| Mechanical data :                        |                                 |
|--|---------------------------------|
| Sound pressure level 50Hz/60Hz (load) :  |                                 |
|  | 59.0(A) 63.0(A)                 |
| Moment of inertia :                      |                                 |
|  | 0.29 kg m²                      |
| Bearing DE :                             |                                 |
|  | 6212 ZC3                        |
| Bearing NDE :                            |                                 |
|  | 6212 ZC3                        |
| Type of bearing :                        |                                 |
|  | Locating bearing NDE (standard) |
| Condensate drainage holes :              |                                 |
|  | Yes                             |
| Regreasing device :                      |                                 |
|  | No                              |
| Lubricants :                             |                                 |
|  | Esso Unirex N3                  |
| Grease lifetime/Relubrication interval : |                                 |
|  | 40000 h                         |
| Quantity of grease for relubrication :   |                                 |
|  | null g                          |
| External earthing terminal :             |                                 |
|  | Yes                             |
| Coating :                                |                                 |

| Explosion protection : |                    |
|------------------------|--------------------|
| Type of protection :   | without (standard) |

| Environmental conditions :     |                        |
|--------------------------------|------------------------|
| Ambient temperature :          | -20.0 °C - +40 °C      |
| Altitude above sea level :     | 1000 m                 |
| Standards and specifications : | IEC, DIN, ISO, VDE, EN |

| General data :                               |  |
|--|--|
| Frame size :                                 | 200 L  |
| Design of electrical machine :               | (0) IM B3 / B6 / B7 / B8 / V5 without canopy |
| Weight in kg, without optional accessories : | 205.00 kg                                    |
| Frame material :                             | Cast iron                                    |
| Degree of protection :                       | IP 55  |
| Method of cooling, TEFC :                    | IC 411                                       |
| Vibration class :                            | A  |
| Insulation :                                 | 155(F) to 130(B)                             |
| Duty type :                                  | S1 - continuous duty                         |
| Direction of rotation :                      | Bi-directional                               |

| Terminal box :                   |                 |
|----------------------------------|-----------------|
| Material of terminal box :       | Aluminum        |
| Type of terminal box :           | gk 430          |
| Contact screw thread :           | M6              |
| Max. cross-sectional area :      | 25.00 mm²       |
| Cable diameter from ... to ... : | 27.0mm - 35.0mm |
| Cable entry :                    | 2xM50x1,5       |
| Cable gland null                 | 2 plugs         |

| Special design : |  |
|------------------|--|
|------------------|--|