

## Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6318-2MB60

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 :               | 250.00 kW                               |         |        | 280.00 kW / |        |        |
| Rated speed :               | 2985 1/min                              |         |        | 3585 1/min  |        |        |
| Rated torque :              | 799.8 Nm                                |         |        | 745.9 Nm    |        |        |
|                             | VD                                      | VY      |        | VD          | VY     |        |
|                             | 415.0 A                                 | 240.6 A |        | 400.0 A     |        |        |
| Starting / rated current :  | 8.6                                     |         |        | 8.7         |        |        |
| Breakdown / rated torque :  | 3.8                                     |         |        | 3.4         |        |        |
| Starting / rated torque :   | 3.0                                     |         |        | 3.5         |        |        |
|                             | 4/4                                     | 3/4     | 2/4    | 4/4         | 3/4    | 2/4    |
| Efficiency %                | 95.0 %                                  | 94.9 %  | 94.4 % | 95.4 %      | 95.1 % | 94.1 % |
| Power factor :              | 0.91                                    | 0.89    | 0.84   | 0.92        | 0.92   | 0.87   |
| Efficiency class :          | IE2                                     |         |        | IE2         |        |        |
| Design Letter / Code Letter | A                                       |         |        |             |        |        |
| CC 032A                     |                                         |         |        |             |        |        |

### Mechanical data :

|                                          |                                 |         |
|------------------------------------------|---------------------------------|---------|
| Sound pressure level 50Hz/60Hz (load) :  | 78.0(A)                         | 83.0(A) |
| Moment of inertia :                      | 2.60 kg m <sup>2</sup>          |         |
| Bearing DE :                             | 6316 C3                         |         |
| Bearing NDE :                            | 6316 C3                         |         |
| Type of bearing :                        | Locating bearing NDE (standard) |         |
| Condensate drainage holes :              | Yes                             |         |
| Regreasing device :                      | Yes (standard)                  |         |
| Lubricants :                             | Esso Unirex N3                  |         |
| Grease lifetime/Relubrication interval : | 2000 h                          |         |
| Quantity of grease for relubrication :   | 30.0 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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

### General data :

|                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| Frame size :                                 | 315 L                                        |
| Design of electrical machine :               | (0) IM B3 / B6 / B7 / B8 / V5 without canopy |
| Weight in kg, without optional accessories : | 1270.00 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 :       | Cast iron              |
| Type of terminal box :           | gt 640L                |
| Contact screw thread :           | M12                    |
| Max. cross-sectional area :      | 240.00 mm <sup>2</sup> |
| Cable diameter from ... to ... : | 44.0mm - 55.0mm        |
| Cable entry :                    | 2xM72x2                |
| Cable gland null                 | 2 plugs                |

### Special design :