


DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3 160MX2

| Electrical data | | | | General data | | |
|------------------------|---------------|---------------|-----------|--------------------------|---------------------|----|
| Rated motor frequency | 50Hz | 60Hz | | Frame size | 160 | mm |
| Rated motor power | 15,0 | 18,0 | kW | Mounting | B3,B5,B35 | |
| Rated motor speed | 2930 | 3516 | RPM | Weight | 114kg | |
| Rated motor voltage | 400 / 690 | 440 - 480 | V | Casing material | Cast Iron | |
| Rated motor torque | 49 | | Nm | Protection | IP | 55 |
| Rated motor current | 27,21 / 15,77 | 29,69 - 27,21 | A | Insulation class | F | |
| Starting motor current | 7,9 | | xIn | Temp. Rise | 80K | |
| Starting motor torque | 2,2 | | xMn | Vibration | 2,8mm/s | |
| Brakedown motor torque | 2,3 | | | Duty | S1 | |
| Starting | | | D.O.L | Dir. Rotation | Both | |
| Efficiency class | | | | PTC | 3 x 150°C | |
| Efficiency | 89,40% | | 100% load | RAL | 7031 | |
| | 89,10% | | 75% load | Site Conditions | | |
| | 87,60% | | 50% load | Ambient temperature | from -20°C to +40°C | |
| Power factor cosp | 0,89 | | 100% load | Altitude above sea level | 1000 m | |

| Mechanical data | | | | | |
|-------------------|--------|-------------------|------------------|------------|--|
| Noise level | 86 | dB(A) | Bearing DE side | 6309 ZZ C3 | |
| Moment of inertia | 0,0434 | kg/m ² | Bearing NDE side | 6309 ZZ C3 | |

| Certification: | Extras: | | |
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| | Drawing made by | Date | sign. |
| | Dennis Barrit | 26-10-2020 | |
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There may be differences between rating plate and calculated values