

DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3 160L2

| Electrical data | | | |
|------------------------|---------------|---------------|-----------|
| Rated motor frequency | 50Hz | 60Hz | |
| Rated motor power | 18,5 | 22,2 | kW |
| Rated motor speed | 2930 | 3516 | RPM |
| Rated motor voltage | 400 / 690 | 440 - 480 | V |
| Rated motor torque | 60 | | Nm |
| Rated motor current | 33,34 / 19,33 | 36,37 - 33,34 | A |
| Starting motor current | 8,0 | | xIn |
| Starting motor torque | 2,2 | | xMn |
| Brakedown motor torque | 2,3 | | |
| Starting | | | D.O.L |
| Efficiency class | | | |
| Efficiency | 90,00% | | 100% load |
| | 89,90% | | 75% load |
| | 88,90% | | 50% load |
| Power factor cosp | 0,89 | | 100% load |

| General data | | |
|--------------------------|---------------------|----|
| Frame size | 160 | mm |
| Mounting | B3,B5,B35 | |
| Weight | 130kg | |
| Casing material | Cast Iron | |
| Protection | IP | 55 |
| Insulation class | F | |
| Temp. Rise | 80K | |
| Vibration | 2,8mm/s | |
| Duty | S1 | |
| Dir. Rotation | Both | |
| PTC | 3 x 150°C | |
| RAL | 7031 | |
| Site Conditions | | |
| Ambient temperature | from -20°C to +40°C | |
| Altitude above sea level | 1000 m | |

| Mechanical data | | | | |
|-------------------|--------|-------------------|------------------|------------|
| Noise level | 89 | dB(A) | Bearing DE side | 6309 ZZ C3 |
| Moment of inertia | 0,0548 | kg/m ² | Bearing NDE side | 6309 ZZ C3 |

| Certification: |
|----------------|
| CE |

| 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