

IE3

"Premium Efficiency"



DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3-IE3 315LX6

| Electrical data | | | | General data | | |
|------------------------|---------------|---------------|-----------|--------------------------|---------------------|----|
| Rated motor frequency | 50Hz | 60Hz | | Frame size | 315 | mm |
| Rated motor power | 132,0 | 158,4 | kW | Mounting | B3,B5,B35 | |
| Rated motor speed | 990 | 1188 | RPM | Weight | 1091kg | |
| Rated motor voltage | 400 / 690 | 440 - 480 | V | Casing material | Cast Iron | |
| Rated motor torque | 1273 | | Nm | Protection | IP | 55 |
| Rated motor current | 232,2 / 134,6 | 253,3 - 232,2 | A | Insulation class | F | |
| Starting motor current | 6,8 | | xIn | Temp. Rise | 80K | |
| Starting motor torque | 2,0 | | xMn | Vibration | 2,8mm/s | |
| Brakedown motor torque | 2,4 | | | Duty | S1 | |
| Starting | | | D.O.L | Dir. Rotation | Both | |
| Efficiency class | IE3 | | | PTC | 3 x 150°C | |
| Efficiency | 95,40% | | 100% load | RAL | 7031 | |
| | 95,50% | | 75% load | Site Conditions | | |
| | 94,80% | | 50% load | Ambient temperature | from -20°C to +40°C | |
| Power factor cosp | 0,86 | | 100% load | Altitude above sea level | 1000 m | |

| Mechanical data | | | | | |
|-------------------|-------|-------------------|------------------|---------|--|
| Noise level | 83 | dB(A) | Bearing DE side | 6319 C3 | |
| Moment of inertia | 6,935 | kg/m ² | Bearing NDE side | 6319 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