



WEG Scandinavia

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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Low Voltage Motors - IEC General Purpose - IP55 - Aluminium Frame - EFF2 Improved Efficiency

Frame : 112M
Output : 4.8 kW
Frequency : 60 Hz
Poles : 2
Full load speed : 3460
Slip : 3.89 %
Voltage : 460 V
Full load current : 7.96 A
Locked rotor current : 54.1 A
Locked rotor current (I_L/I_n) : 6.8
No-load current : 2.90 A
Full load torque : 13.3 Nm
Locked rotor torque : 210 %
Breakdown torque : 280 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 9 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : 40
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 31 kg
Moment of inertia : 0.00728 kgm²
Noise level : 69 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6307 ZZ | 6206 ZZ | 100% | 0.89 | 85.0 |
| Regreasing interval | --- | --- | 75% | 0.85 | 84.0 |
| Grease amount | --- | --- | 50% | 0.76 | 82.0 |

Performed by:
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Checked: