

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 10674631

| | | | |
|-----------------------|---------------------|-----------------------------|-----------------------|
| Frame | : B56 | Locked rotor time | : 10s (cold) 6s (hot) |
| Output | : 0.75 HP (0.55 kW) | Temperature rise | : 80 K |
| Poles | : 2 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 115/208-230 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 10.4/5.00-5.20 A | Protection degree | : IP55 |
| L. R. Amperes | : 65.5/31.5-32.8 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.3x(Code M) | Mounting | : F-1 |
| No load current | : 7.60/3.28-3.80 A | Rotation ¹ | : Both (CW and CCW) |
| Rated speed | : 3490 rpm | Noise level ² | : 55.0 dB(A) |
| Slip | : 3.06 % | Starting method | : Direct On Line |
| Rated torque | : 1.13 ft.lb | Approx. weight ³ | : 25.7 lb |
| Locked rotor torque | : 300 % | | |
| Breakdown torque | : 290 % | | |
| Insulation class | : B | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0396 sq.ft.lb | | |

| | | | | | | |
|----------------|------|------|------|------|------------------|---------|
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 49.0 | 52.0 | 60.0 | 64.0 | Max. traction | : 19 lb |
| Power Factor | 0.31 | 0.54 | 0.64 | 0.72 | Max. compression | : 45 lb |

| | | | |
|----------------------|---|------------------|----------------------|
| | | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type | : | 6203 ZZ | 6202 ZZ |
| Sealing | : | V'Ring | V'Ring |
| Lubrication interval | : | - | - |
| Lubricant amount | : | - | - |
| Lubricant type | : | Mobil Polyrex EM | |

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|---------------------------|---------|------|
| | | | | |
| Performed by | | Page 1 / 1 Revision | | |
| Checked by | | | | |
| Date | 25/03/2024 | | | |