

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 12882335
Catalog # : 00118OT1B56-S

| | | | |
|-----------------------|--------------------|-----------------------------|------------------------|
| Frame | : 56 | Locked rotor time | : 27s (cold) 15s (hot) |
| Output | : 1 HP (0.75 kW) | Temperature rise | : 80 K |
| Poles | : 4 | 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 | : 9.00/4.98-4.50 A | Cooling method | : IC01 - ODP |
| L. R. Amperes | : 75.6/41.8-37.8 A | Mounting | : F-1 |
| LRC | : 8.4x(Code K) | Rotation ¹ | : Both (CW and CCW) |
| No load current | : 3.40/1.47-1.70 A | Noise level ² | : 52.0 dB(A) |
| Rated speed | : 1750 rpm | Starting method | : Direct On Line |
| Slip | : 2.78 % | Approx. weight ³ | : 35.9 lb |
| Rated torque | : 3.00 ft.lb | | |
| Locked rotor torque | : 260 % | | |
| Breakdown torque | : 250 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.1232 sq.ft.lb | | |
| Design | : L | | |

| | | | | | | |
|----------------|------|------|------|------|------------------|---------|
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 72.6 | 75.0 | 80.0 | 82.6 | Max. traction | : 55 lb |
| Power Factor | 0.50 | 0.75 | 0.83 | 0.87 | Max. compression | : 91 lb |

| | | | |
|----------------------|---|----------------------|----------------------|
| | | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type | : | 6204 ZZ | 6202 ZZ |
| Sealing | : | Without Bearing Seal | Without Bearing Seal |
| 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 | 26/03/2024 | | | |