

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13625864
Catalog # : 00118ES1BO56C-S

| | | | |
|-----------------------|--------------------|-----------------------------|-----------------------|
| Frame | : 56C | Locked rotor time | : 14s (cold) 8s (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 | : 13.6/7.52-6.80 A | Protection degree | : IP55 |
| L. R. Amperes | : 91.1/50.4-45.6 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.7x(Code M) | Mounting | : F-1 |
| No load current | : 9.60/4.14-4.80 A | Rotation ¹ | : Both (CW and CCW) |
| Rated speed | : 1745 rpm | Noise level ² | : 54.0 dB(A) |
| Slip | : 3.06 % | Starting method | : Direct On Line |
| Rated torque | : 3.01 ft.lb | Approx. weight ³ | : 36.7 lb |
| Locked rotor torque | : 280 % | | |
| Breakdown torque | : 270 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.1037 sq.ft.lb | | |
| Design | : L | | |

| | | | | | | |
|----------------|------|------|------|------|------------------|---------|
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 59.4 | 62.0 | 68.0 | 71.0 | Max. traction | : 61 lb |
| Power Factor | 0.27 | 0.48 | 0.60 | 0.68 | Max. compression | : 98 lb |

| | | Drive end | Non drive end |
|----------------------|---|------------------|----------------------|
| Bearing type | : | 6204 ZZ | 6202 ZZ |
| Sealing | : | V'Ring | 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 | | |
| Checked by | | | | |
| Date | 26/03/2024 | | | |
| | | | Revision | |