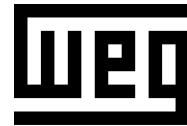


DATA SHEET

Single Phase Induction Motor - Squirrel Cage



| | | | | | | | | |
|--|-----------------------------|-------------------------------|---------------------------|--|---------------------------|----------|--|--|
| Customer : | | | | | | | | |
| Product line | : Rolled Steel Single-Phase | Product code : Catalog # : | 13069782 00236OT1B56-S | | | | | |
| Frame | : 56H | Locked rotor time | : 14s (cold) 8s (hot) | | | | | |
| Output | : 2 HP (1.5 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 | : 16.8/9.29-8.40 A | Cooling method | : IC01 - ODP | | | | | |
| L. R. Amperes | : 144/79.9-72.2 A | Mounting | : F-1 | | | | | |
| LRC | : 8.6x(Code K) | Rotation ¹ | : Both (CW and CCW) | | | | | |
| No load current | : 5.00/2.16-2.50 A | Noise level ² | : 58.0 dB(A) | | | | | |
| Rated speed | : 3500 rpm | Starting method | : Direct On Line | | | | | |
| Slip | : 2.78 % | Approx. weight ³ | : 37.7 lb | | | | | |
| Rated torque | : 3.00 ft.lb | | | | | | | |
| Locked rotor torque | : 250 % | | | | | | | |
| Breakdown torque | : 280 % | | | | | | | |
| Insulation class | : F | | | | | | | |
| Service factor | : 1.15 | | | | | | | |
| Moment of inertia (J) | : 0.0747 sq.ft.lb | | | | | | | |
| Design | : A | | | | | | | |
| Output | 25% | 50% | 75% | 100% | Foundation loads | | | |
| Efficiency (%) | 74.0 | 76.0 | 81.0 | 82.9 | Max. traction : 63 lb | | | |
| Power Factor | 0.63 | 0.90 | 0.94 | 0.94 | Max. compression : 101 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 | Revision | | |
| Checked by | | | | | 1 / 1 | | | |
| Date | 26/03/2024 | | | | | | | |