

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

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|--|---|-----------|---------|----------|
| Customer : | | | | |
| Product line | : Rolled Steel Fan and Exhaust Premium Efficiency Three-Phase | | | |
| Product code : | 13672207 | | | |
| Catalog # : | 00118OT3ERB56-S | | | |
| Frame : 56 Output : 1 HP (0.75 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 3.14/1.57 A L. R. Amperes : 23.9/11.9 A LRC : 7.6x(Code L) No load current : 2.20/1.10 A Rated speed : 1760 rpm Slip : 2.22 % Rated torque : 2.98 ft.lb Locked rotor torque : 280 % Breakdown torque : 320 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0842 sq.ft.lb Design : A | Locked rotor time : 30s (cold) 17s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 30.5 lb | | | |
| Output | 25% 50% 75% 100% | | | |
| Efficiency (%) | 77.3 79.9 78.5 79.6 82.5 81.4 83.5 80.6 75.1 76.1 79.9 80.6 | | | |
| Power Factor | 0.27 0.33 0.49 0.58 0.63 0.72 0.72 0.80 0.27 0.49 0.64 0.73 | | | |
| Foundation loads | | | | |
| Max. traction | : 91 lb | | | |
| Max. compression | : 122 lb | | | |
| Bearing type | : <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 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 | | | | |
| Checked by | | | Page | Revision |
| Date | 29/04/2024 | | 1 / 1 | |