

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

| | | | | | |
|--|-----------------|---|--|----------------------|----------|
| Customer : | | | | | |
| Product line : ROLLED STEEL | | Product code : 13037944 | | | |
| | | Catalog # : .7518OT1B56CFL-S | | | |
| Frame : 56C Output : 0.75 HP (0.550 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 6.80/3.76-3.40 A L. R. Amperes : 54.4/30.1-27.2 A LRC : 8.0x(Code K) No load current : 2.60/1.12-1.30 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 2.25 ft.lb Locked rotor torque : 260 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0973 sq.ft.lb Design : N | | Locked rotor time : 36s (cold) 20s (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 : 30.9 lb | | | |
| Output | 25% | 50% | 75% | 100% | |
| Efficiency (%) | 71.4 | 74.0 | 79.0 | 81.8 | |
| Power Factor | 0.49 | 0.74 | 0.82 | 0.86 | |
| Foundation loads | | | | | |
| Max. traction : 39 lb | | | | | |
| Max. compression : 70 lb | | | | | |
| | | <u>Drive end</u> | | <u>Non drive end</u> | |
| Bearing type | : | 6203 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 | | | | | |
| Checked by | | | | Page | Revision |
| Date | 26/03/2023 | | | 1 / 1 | |