

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

| | | | | | |
|---|-----------------|--|--|---------|----------|
| Customer : | | | | | |
| Product line : ROLLED STEEL | | Product code : 13039264 | | | |
| | | Catalog # : .3318OT1BW56-S | | | |
| Frame : W56 Output : 0.33 HP (0.25 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 4.12/2.32-2.06 A L. R. Amperes : 30.1/16.9-15.0 A LRC : 7.3x(Code M) No load current : 3.10/1.34-1.55 A Rated speed : 1745 rpm Slip : 3.06 % Rated torque : 0.137 kgfm Locked rotor torque : 320 % Breakdown torque : 300 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0019 kgm ² Design : N | | 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 : 50.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 9.3 kg | | | |
| Output | 25% | 50% | 75% | 100% | |
| Efficiency (%) | 57.6 | 61.0 | 68.0 | 72.4 | |
| Power Factor | 0.30 | 0.53 | 0.67 | 0.73 | |
| Foundation loads | | | | | |
| Max. traction : 8 kgf | | | | | |
| Max. compression : 17 kgf | | | | | |
| | | <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 | |