

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

| | | | | |
|--|--|-----------|---------|----------|
| Customer : | | | | |
| Product line | : Single-Phase Start Capacitor | | | |
| Product code : | 10818606 | | | |
| Catalog # : | PCQ120 | | | |
| Frame : M48Y Output : 2 HP (1.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230 V Rated current : 9.30 A L. R. Amperes : 54.9 A LRC : 5.9x(Code H) No load current : 3.90 A Rated speed : 3460 rpm Slip : 3.89 % Rated torque : 0.419 kgfm Locked rotor torque : 130 % Breakdown torque : 229 % Insulation class : B Service factor : 1.10 Moment of inertia (J) : 0.0017 kgm ² | Locked rotor time : 10s (cold) 6s (hot) Temperature rise : 70 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +50°C Altitude : 1000 m.a.s.l. Protection degree : IP21 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : CCW Noise level ² : 58.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 14.0 kg | | | |
| Output | 25% 50% 75% 100% | | | |
| Efficiency (%) | 65.6 68.0 74.0 76.6 | | | |
| Power Factor | 0.52 0.80 0.88 0.91 | | | |
| | Foundation loads | | | |
| | Max. traction | | | |
| | Max. compression | | | |
| Bearing type | : <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6203 2RS | | | |
| Sealing | : Lip Seal Lip 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 | 28/06/2022 | | 1 / 1 | |