

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

| | | | | | |
|--|---------------------------|-------------------------|--|---------------------------|----------|
| Customer : | | | | | |
| Product line | | : Wjet Pump Three-Phase | | Product code : 10812182 | |
| Frame | : E56C | | Locked rotor time | : 18s (cold) 10s (hot) | |
| Output | : 1 HP (0.75 kW) | | Temperature rise | : 80 K | |
| Poles | : 2 | | Duty cycle | : Cont.(S1) | |
| Frequency | : 60 Hz | | Ambient temperature | : -20°C to +40°C | |
| Rated voltage | : 575 V | | Altitude | : 1000 m.a.s.l. | |
| Rated current | : 1.24 A | | Protection degree | : IP21 | |
| L. R. Amperes | : 8.06 A | | Cooling method | : IC01 - ODP | |
| LRC | : 6.5x(Code K) | | Mounting | : F-1 | |
| No load current | : 0.760 A | | Rotation ¹ | : CCW | |
| Rated speed | : 3470 rpm | | Starting method | : Direct On Line | |
| Slip | : 3.61 % | | Approx. weight ³ | : 10.2 kg | |
| Rated torque | : 0.209 kgfm | | | | |
| Locked rotor torque | : 260 % | | | | |
| Breakdown torque | : 280 % | | | | |
| Insulation class | : B | | | | |
| Service factor | : 1.40 | | | | |
| Moment of inertia (J) | : 0.0012 kgm ² | | | | |
| Output | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 66.5 | 72.0 | 74.0 | Max. traction : 13 kgf | |
| Power Factor | 0.62 | 0.73 | 0.81 | Max. compression : 24 kgf | |
| | | <u>Drive end</u> | | <u>Non drive end</u> | |
| Bearing type | : | 6203 2RS | | 6203 2RS | |
| Sealing | : | Slinger | | 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 |
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LOAD PERFORMANCE CURVE

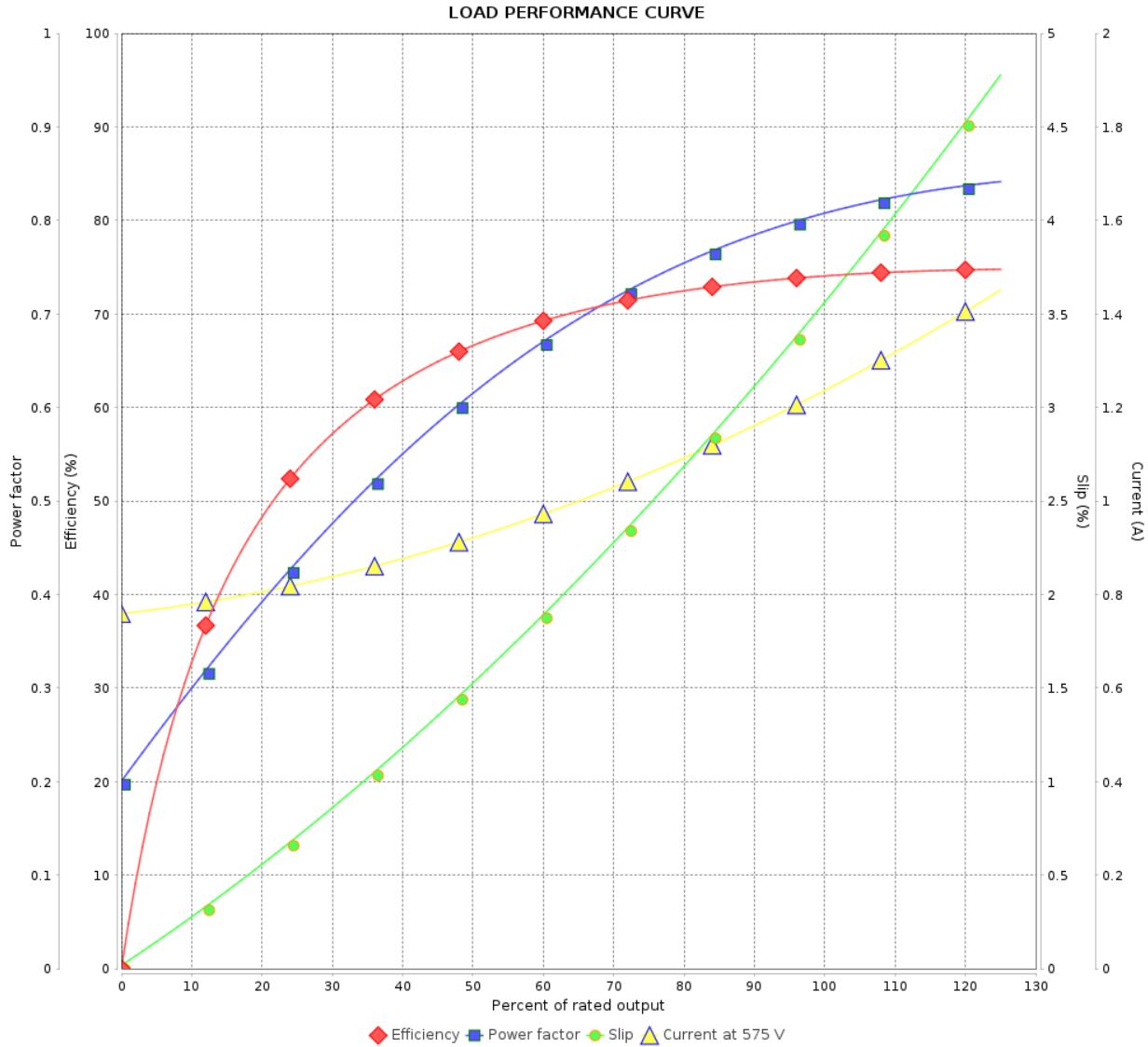
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Wjet Pump Three-Phase

Product code : 10812182



Performance : 575 V 60 Hz 2P

Rated current : 1.24 A
 LRC : 6.5
 Rated torque : 0.209 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 280 %
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.40
 Temperature rise : 80 K

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