

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

| | | | | |
|--|---------------------------|--|--|----------------------------|
| Customer : | | | | |
| Product line | | : Close Coupled Pump NEMA Premium Efficiency Three-Phase | | Product code : 12074825 |
| Frame | : 213/5JP | Locked rotor time | : 21s (cold) 12s (hot) | |
| Output | : 7.5 HP (5.5 kW) | Temperature rise | : 80 K | |
| Poles | : 4 | 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 | : 7.22 A | Protection degree | : IP21 | |
| L. R. Amperes | : 54.2 A | Cooling method | : IC01 - ODP | |
| LRC | : 7.5x(Code J) | Mounting | : F-1 | |
| No load current | : 3.04 A | Rotation ¹ | : Both (CW and CCW) | |
| Rated speed | : 1765 rpm | Noise level ² | : 58.0 dB(A) | |
| Slip | : 1.94 % | Starting method | : Direct On Line | |
| Rated torque | : 3.08 kgfm | Approx. weight ³ | : 50.4 kg | |
| Locked rotor torque | : 200 % | | | |
| Breakdown torque | : 270 % | | | |
| Insulation class | : F | | | |
| Service factor | : 1.15 | | | |
| Moment of inertia (J) | : 0.0388 kgm ² | | | |
| Design | : B | | | |
| Output | 50% | 75% | 100% | Foundation loads |
| Efficiency (%) | 89.0 | 90.2 | 91.0 | Max. traction : 129 kgf |
| Power Factor | 0.68 | 0.79 | 0.84 | Max. compression : 179 kgf |
| | | <u>Drive end</u> | <u>Non drive end</u> | |
| Bearing type | : | 6209 ZZ | 6206 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. | |
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LOAD PERFORMANCE CURVE

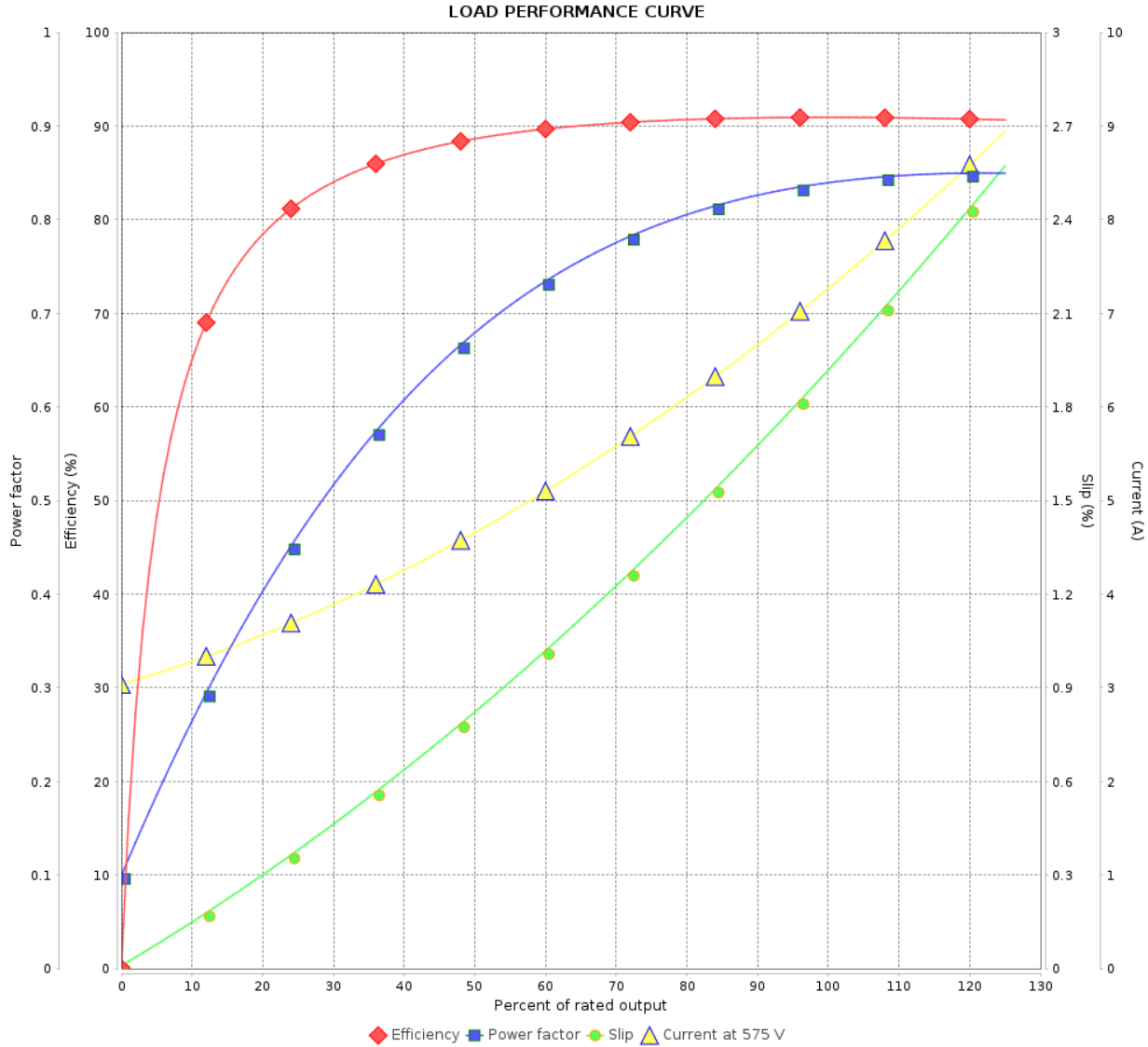
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Close Coupled Pump NEMA Premium
Efficiency Three-Phase

Product code : 12074825



Performance : 575 V 60 Hz 4P

Rated current : 7.22 A
 LRC : 7.5
 Rated torque : 3.08 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0388 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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