

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | | | | |
|---|---|---|---------|----------|
| Customer | : | | | |
| Product line | : Premium Efficiency Three-Phase | Product code : 13500356 | | |
| Frame | : 56C | Cooling method : IC411 - TEFC | | |
| Insulation class | : F | Mounting : F-1 | | |
| Duty cycle | : Cont.(S1) | Rotation ¹ : Both (CW and CCW) | | |
| Ambient temperature | : -20°C to +40°C | Starting method : Direct On Line | | |
| Altitude | : 1000 m.a.s.l. | Approx. weight ³ : 14.9 kg | | |
| Protection degree | : IP55 | Moment of inertia (J) : 0.0043 kgm ² | | |
| Design | : B | | | |
| Output [HP] | | 1.5 | | |
| Poles | | 2 | | |
| Frequency [Hz] | | 60 | | |
| Rated voltage [V] | | 575 | | |
| Rated current [A] | | 1.50 | | |
| L. R. Amperes [A] | | 13.6 | | |
| LRC [A] | | 9.1x(Code L) | | |
| No load current [A] | | 0.687 | | |
| Rated speed [RPM] | | 3520 | | |
| Slip [%] | | 2.22 | | |
| Rated torque [kgfm] | | 0.309 | | |
| Locked rotor torque [%] | | 229 | | |
| Breakdown torque [%] | | 300 | | |
| Service factor | | 1.15 | | |
| Temperature rise | | 80 K | | |
| Locked rotor time | | 30s (cold) 17s (hot) | | |
| Noise level ² | | 68.0 dB(A) | | |
| Efficiency (%) | 25% | | | |
| | 50% | 80.0 | | |
| | 75% | 82.5 | | |
| | 100% | 84.0 | | |
| Power Factor | 25% | | | |
| | 50% | 0.71 | | |
| | 75% | 0.82 | | |
| | 100% | 0.88 | | |
| Bearing type | : Drive end : 6204 ZZ Non drive end : 6202 ZZ | Foundation loads | | |
| Sealing | : V'Ring Without Bearing Seal | Max. traction : 22 kgf | | |
| Lubrication interval | : - - | Max. compression : 37 kgf | | |
| Lubricant amount | : - - | | | |
| Lubricant type | : Mobil Polyrex EM | | | |
| Notes | | | | |
| <p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p> | | <p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p> | | |
| Rev. | Changes Summary | Performed | Checked | Date |
| Performed by | | | | |
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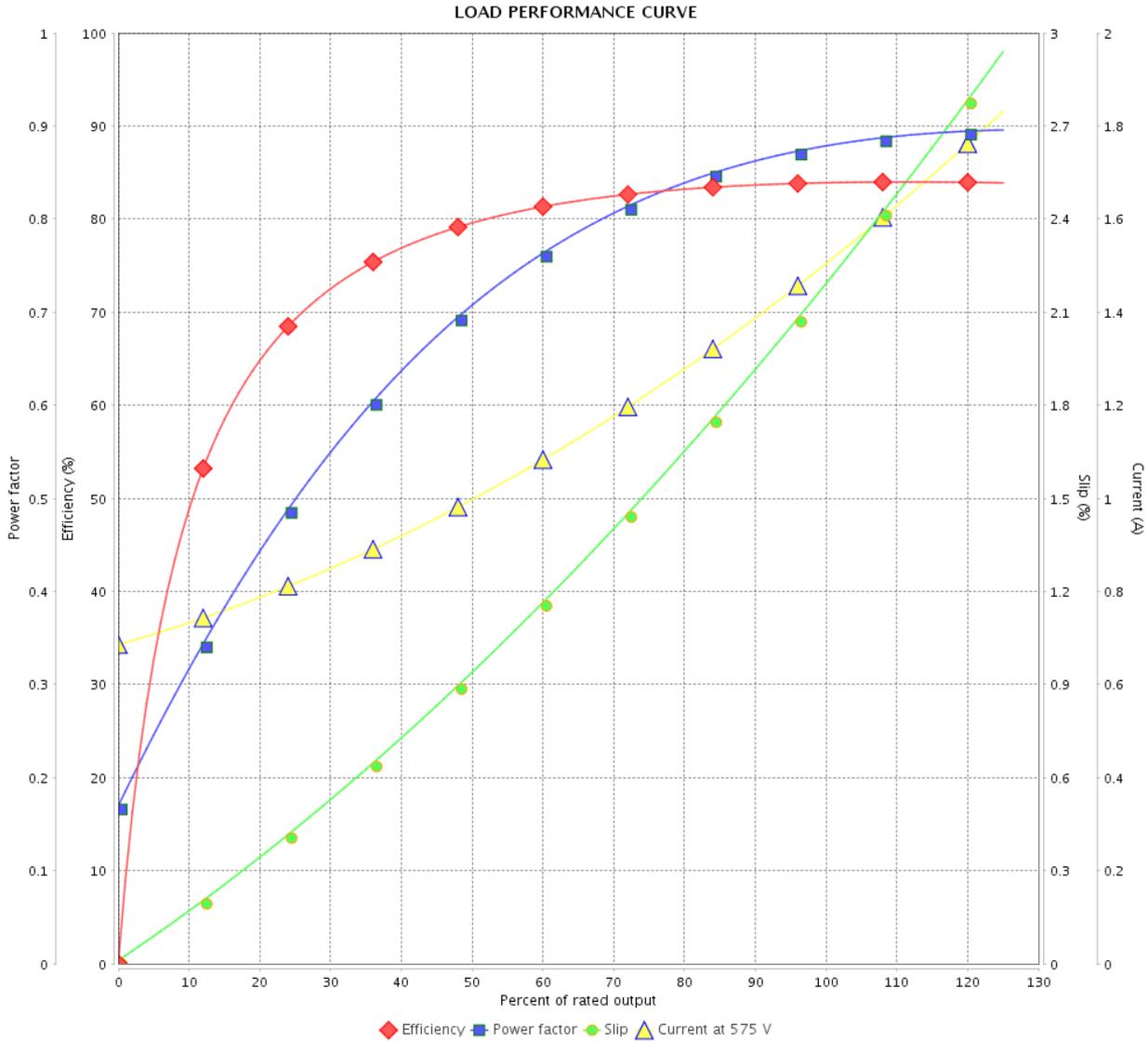
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13500356



Performance : 575 V 60 Hz 2P

| | | | |
|---------------------|--------------|-----------------------|---------------------------|
| Rated current | : 1.50 A | Moment of inertia (J) | : 0.0043 kgm ² |
| LRC | : 9.1 | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.309 kgfm | Insulation class | : F |
| Locked rotor torque | : 229 % | Service factor | : 1.15 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 3520 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------------|----------|
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