

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | | | | |
|--|---|--|---------|----------|
| Customer | : | | | |
| Product line | : Premium Efficiency Three-Phase | Product code : 15008640 | | |
| Frame | : 56H | Cooling method : IC01 - ODP | | |
| 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 : 17.8 kg | | |
| Design | : A | Moment of inertia (J) : 0.0054 kgm ² | | |
| Output [HP] | | 3 | | |
| Poles | | 2 | | |
| Frequency [Hz] | | 60 | | |
| Rated voltage [V] | | 575 | | |
| Rated current [A] | | 2.87 | | |
| L. R. Amperes [A] | | 23.0 | | |
| LRC [A] | | 8.0x(Code J) | | |
| No load current [A] | | 1.04 | | |
| Rated speed [RPM] | | 3480 | | |
| Slip [%] | | 3.33 | | |
| Rated torque [kgfm] | | 0.626 | | |
| Locked rotor torque [%] | | 229 | | |
| Breakdown torque [%] | | 300 | | |
| Service factor | | 1.15 | | |
| Temperature rise | | 80 K | | |
| Locked rotor time | | 16s (cold) 9s (hot) | | |
| Noise level ² | | 62.0 dB(A) | | |
| Efficiency (%) | 25% | | | |
| | 50% | 84.0 | | |
| | 75% | 85.5 | | |
| | 100% | 85.5 | | |
| Power Factor | 25% | | | |
| | 50% | 0.76 | | |
| | 75% | 0.86 | | |
| | 100% | 0.90 | | |
| Bearing type | : <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ | Foundation loads | | |
| Sealing | : Without Without Bearing Seal Bearing Seal | Max. traction : 51 kgf Max. compression : 69 kgf | | |
| 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 | | | | |
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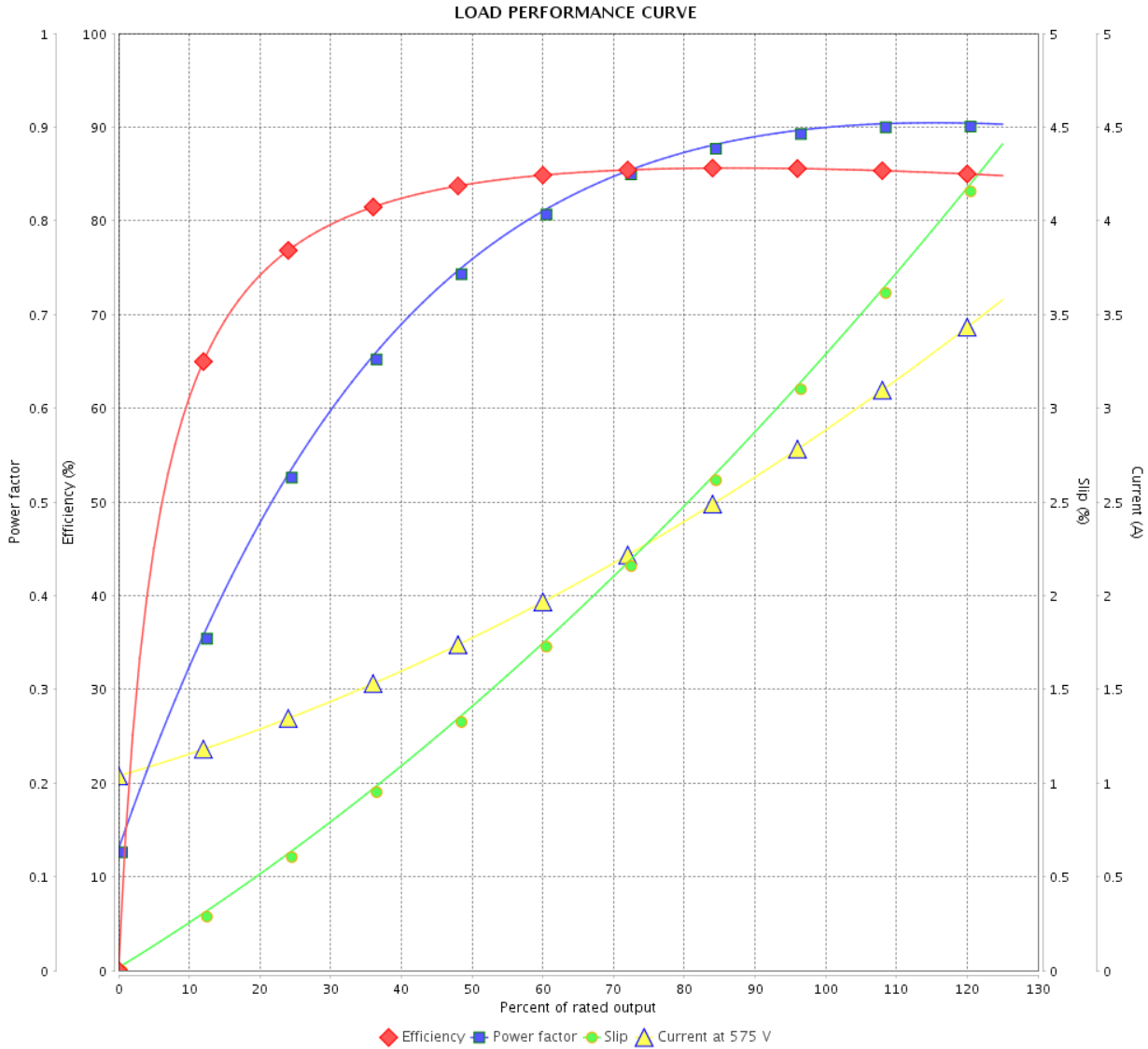
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 15008640



Performance : 575 V 60 Hz 2P

| | | | |
|---------------------|--------------|-----------------------|---------------------------|
| Rated current | : 2.87 A | Moment of inertia (J) | : 0.0054 kgm ² |
| LRC | : 8.0 | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.626 kgfm | Insulation class | : F |
| Locked rotor torque | : 229 % | Service factor | : 1.15 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 3480 rpm | Design | : A |

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------------|----------|
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| Performed by | | | Page 2 / 2 | Revision |
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