

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | | | | |
|--|---|--|---------|----------|
| Customer | : | | | |
| Product line | : Standard Efficiency Three-Phase | Product code : 12676242 | | |
| Frame | : 56 | 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 : 9.3 kg | | |
| Protection degree | : IP55 | Moment of inertia (J) : 0.0022 kgm ² | | |
| Output [HP] | | 0.75 | | |
| Poles | | 2 | | |
| Frequency [Hz] | | 60 | | |
| Rated voltage [V] | | 575 | | |
| Rated current [A] | | 0.904 | | |
| L. R. Amperes [A] | | 6.33 | | |
| LRC [A] | | 7.0x(Code K) | | |
| No load current [A] | | 0.440 | | |
| Rated speed [RPM] | | 3475 | | |
| Slip [%] | | 3.47 | | |
| Rated torque [kgfm] | | 0.157 | | |
| Locked rotor torque [%] | | 250 | | |
| Breakdown torque [%] | | 290 | | |
| Service factor | | 1.15 | | |
| Temperature rise | | 80 K | | |
| Locked rotor time | | 41s (cold) 23s (hot) | | |
| Noise level ² | | 68.0 dB(A) | | |
| Efficiency (%) | 25% | 58.8 | | |
| | 50% | 62.0 | | |
| | 75% | 68.0 | | |
| | 100% | 72.0 | | |
| Power Factor | 25% | 0.45 | | |
| | 50% | 0.70 | | |
| | 75% | 0.79 | | |
| | 100% | 0.85 | | |
| Bearing type | : <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ | Foundation loads | | |
| Sealing | : V'Ring Without Bearing Seal | Max. traction : 10 kgf | | |
| Lubrication interval | : - - | Max. compression : 19 kgf | | |
| 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 | 11/05/2022 | | 1 / 2 | |

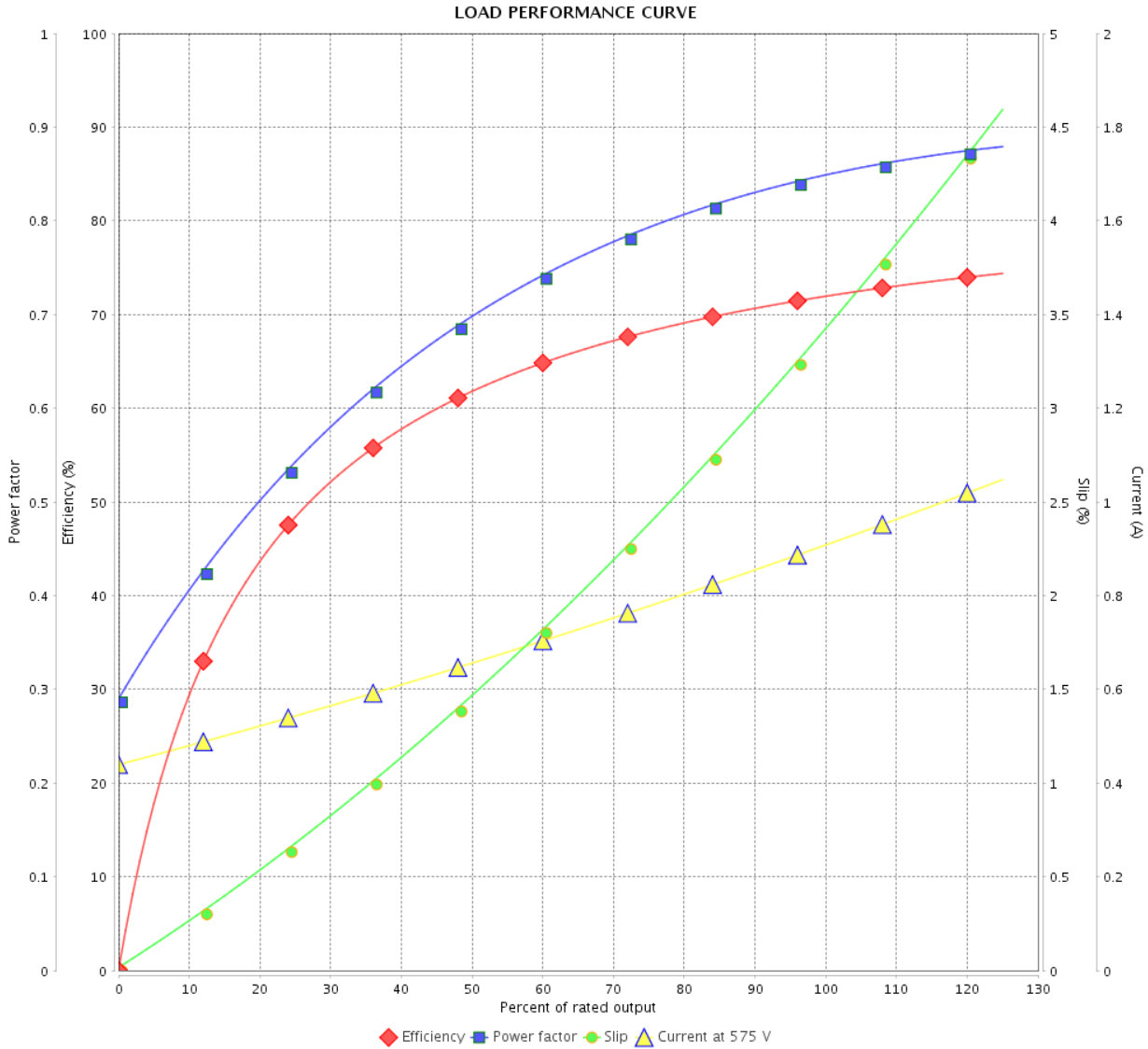
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12676242



Performance : 575 V 60 Hz 2P

Rated current : 0.904 A
 LRC : 7.0
 Rated torque : 0.157 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 290 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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|--------------|-----------------|-----------|---------------|----------|
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| Performed by | | | Page 2 / 2 | Revision |
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