

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | | | | |
|---|---|---|---------|----------|
| Customer | : | | | |
| Product line | : Premium Efficiency Three-Phase | Product code : 13989769 | | |
| Frame | : 56C | 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 : 10.9 kg | | |
| | | Moment of inertia (J) : 0.0030 kgm ² | | |
| Output [HP] | | 0.75 | | |
| Poles | | 4 | | |
| Frequency [Hz] | | 60 | | |
| Rated voltage [V] | | 575 | | |
| Rated current [A] | | 0.920 | | |
| L. R. Amperes [A] | | 6.72 | | |
| LRC [A] | | 7.3x(Code K) | | |
| No load current [A] | | 0.640 | | |
| Rated speed [RPM] | | 1760 | | |
| Slip [%] | | 2.22 | | |
| Rated torque [kgfm] | | 0.309 | | |
| Locked rotor torque [%] | | 250 | | |
| Breakdown torque [%] | | 300 | | |
| Service factor | | 1.15 | | |
| Temperature rise | | 80 K | | |
| Locked rotor time | | 37s (cold) 21s (hot) | | |
| Noise level ² | | 52.0 dB(A) | | |
| Efficiency (%) | 25% | | | |
| | 50% | 74.0 | | |
| | 75% | 78.5 | | |
| | 100% | 81.1 | | |
| Power Factor | 25% | | | |
| | 50% | 0.52 | | |
| | 75% | 0.65 | | |
| | 100% | 0.74 | | |
| Bearing type | : <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ | Foundation loads | | |
| Sealing | : Without Bearing Seal Without Bearing Seal | Max. traction : 24 kgf | | |
| | | Max. compression : 35 kgf | | |
| Lubrication interval | : - | | | |
| 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 | | | | |
| Checked by | | | Page | Revision |
| Date | 11/05/2022 | | 1 / 2 | |

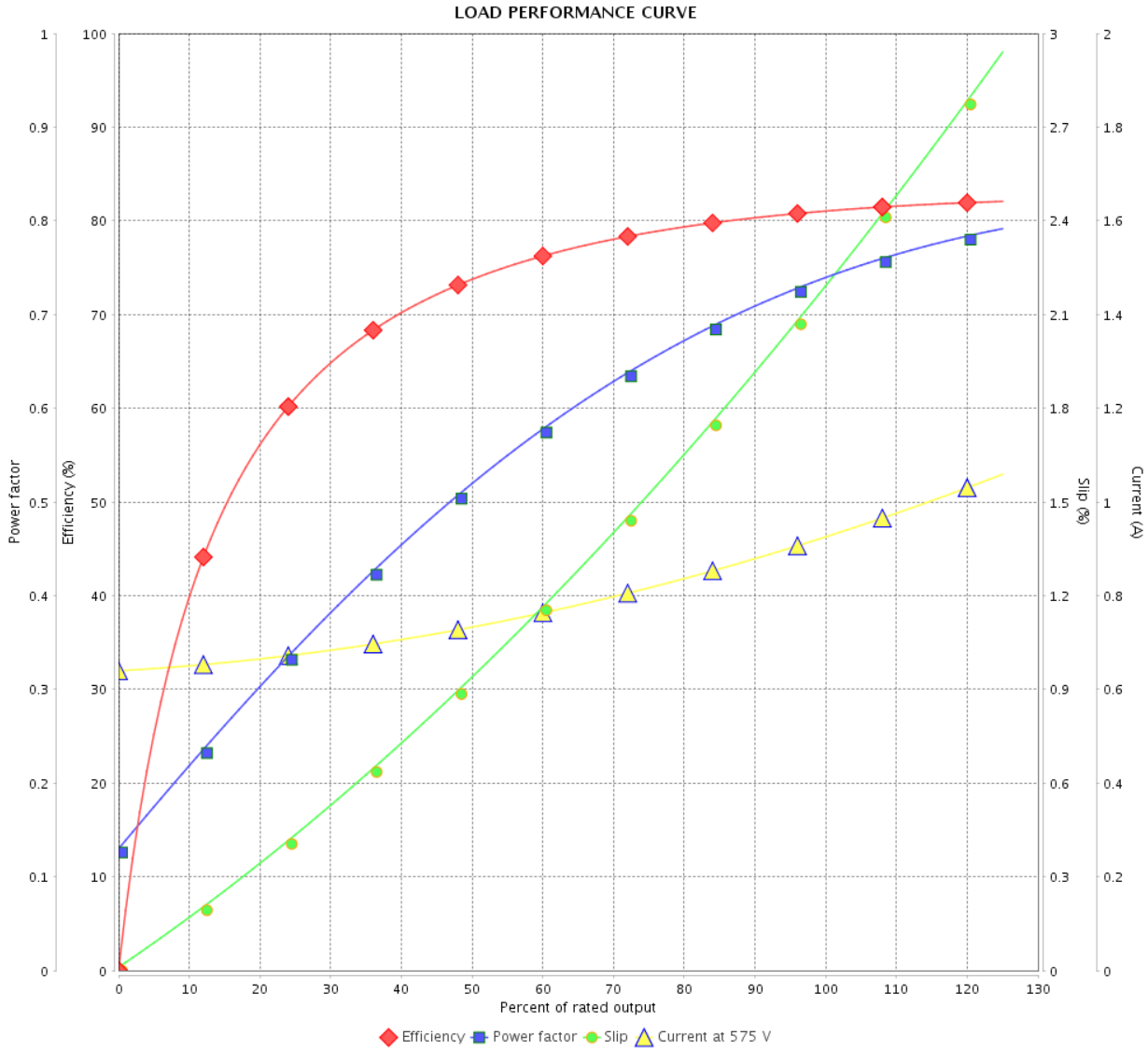
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 13989769



Performance : 575 V 60 Hz 4P

Rated current : 0.920 A
 LRC : 7.3
 Rated torque : 0.309 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------------|----------|
| | | | | |
| Performed by | | | Page 2 / 2 | Revision |
| Checked by | | | | |
| Date | 11/05/2022 | | | |