

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | | | | |
|--|--------------------------------------|---|---|----------|
| Customer : | | | | |
| Product line : Three-Phase | | Product code : 14453334 | | |
| Frame : W56 | Insulation class : F | Cooling method : IC411 - TEFC | Mounting : F-1 | |
| Duty cycle : Cont.(S1) | Ambient temperature : -20°C to +40°C | Rotation ¹ : Both (CW and CCW) | Starting method : Direct On Line | |
| Altitude : 1000 m.a.s.l. | Protection degree : IP55 | Approx. weight ³ : 7.8 kg | Moment of inertia (J) : 0.0015 kgm ² | |
| Output [HP] | 0.33 | | | |
| Poles | 4 | | | |
| Frequency [Hz] | 60 | | | |
| Rated voltage [V] | 575 | | | |
| Rated current [A] | 0.499 | | | |
| L. R. Amperes [A] | 3.10 | | | |
| LRC [A] | 6.2x(Code L) | | | |
| No load current [A] | 0.380 | | | |
| Rated speed [RPM] | 1740 | | | |
| Slip [%] | 3.33 | | | |
| Rated torque [kgfm] | 0.138 | | | |
| Locked rotor torque [%] | 260 | | | |
| Breakdown torque [%] | 350 | | | |
| Service factor | 1.15 | | | |
| Temperature rise | 80 K | | | |
| Locked rotor time | 39s (cold) 22s (hot) | | | |
| Noise level ² | 50.0 dB(A) | | | |
| Efficiency (%) | 25% | | | |
| | 50% | 66.0 | | |
| | 75% | 72.0 | | |
| | 100% | 74.0 | | |
| Power Factor | 25% | | | |
| | 50% | 0.46 | | |
| | 75% | 0.58 | | |
| | 100% | 0.68 | | |
| Bearing type : 6203 ZZ | Drive end | Non drive end | Foundation loads | |
| Sealing : V'Ring | | | Max. traction : 11 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 | | | Page | Revision |
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| Date | 17/05/2022 | | | |

LOAD PERFORMANCE CURVE

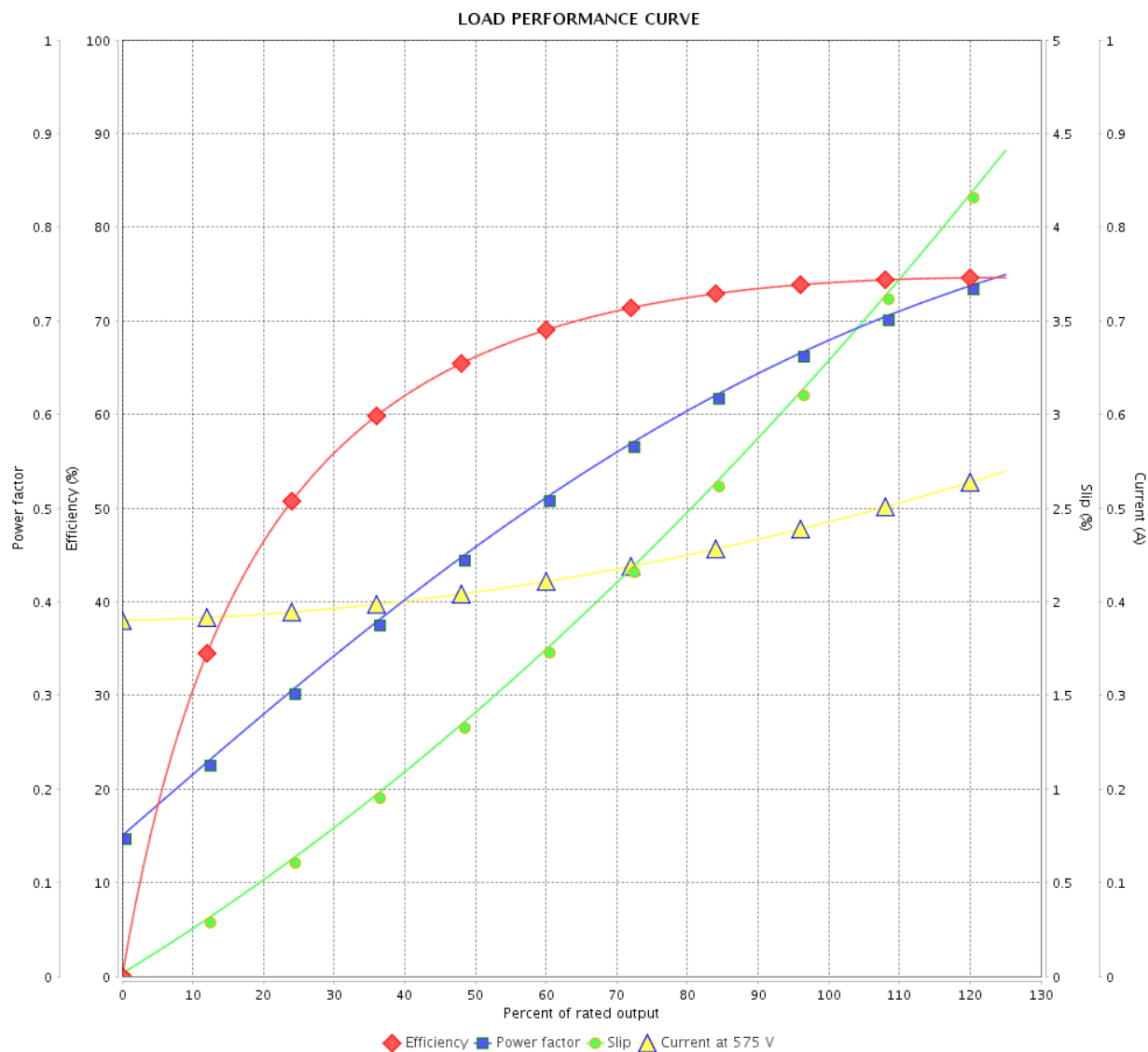
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 14453334



Performance : 575 V 60 Hz 4P

Rated current : 0.499 A
 LRC : 6.2
 Rated torque : 0.138 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 350 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0015 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

| Rev. | Changes Summary | | Performed | Checked | Date |
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| Date | | | | | |
| | 17/05/2022 | | | | |

