

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | |
|--|---|
| Customer : | |
| Product line | : Premium Efficiency Three-Phase |
| Product code | : 14595231 |
| Frame | : 56 |
| Insulation class | : F |
| Duty cycle | : Cont.(S1) |
| Ambient temperature | : -20°C to +40°C |
| Altitude | : 1000 m.a.s.l. |
| Cooling method | : IC01 - ODP |
| Mounting | : F-1 |
| Rotation ¹ | : Both (CW and CCW) |
| Starting method | : Direct On Line |
| Approx. weight ² | : 9.5 kg |
| Moment of inertia (J) | : 0.0025 kgm ² |
| Output [HP] | 0.5 |
| Poles | 4 |
| Frequency [Hz] | 60 |
| Rated voltage [V] | 208-230/460 |
| Rated current [A] | 1.90-1.72/0.861 |
| L. R. Amperes [A] | 13.7-12.4/6.20 |
| LRC [A] | 7.2x(Code L) |
| No load current [A] | 1.12-1.30/0.650 |
| Rated speed [RPM] | 1765 |
| Slip [%] | 1.94 |
| Rated torque [kgfm] | 0.206 |
| Locked rotor torque [%] | 240 |
| Breakdown torque [%] | 330 |
| Service factor | |
| Temperature rise | 80 K |
| Locked rotor time | 48s (cold) 27s (hot) |
| Noise level ² | 52.0 dB(A) |
| Efficiency (%) | 25% |
| | 50% |
| | 75% |
| | 100% |
| Power Factor | 25% |
| | 50% |
| | 75% |
| | 100% |
| Bearing type | : <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ |
| Sealing | : Without Without Bearing Seal Bearing Seal |
| Lubrication interval | : - - |
| Lubricant amount | : - - |
| Lubricant type | : Mobil Polyrex EM |
| Foundation loads | Max. traction : 20 kgf Max. compression : 30 kgf |
| Notes USABLE @208V SF 1.00 | |
| 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 by | Performed |
| Checked by | Checked |
| Date | Date |
| 17/05/2022 | |
| Page | Revision |
| 1 / 4 | |

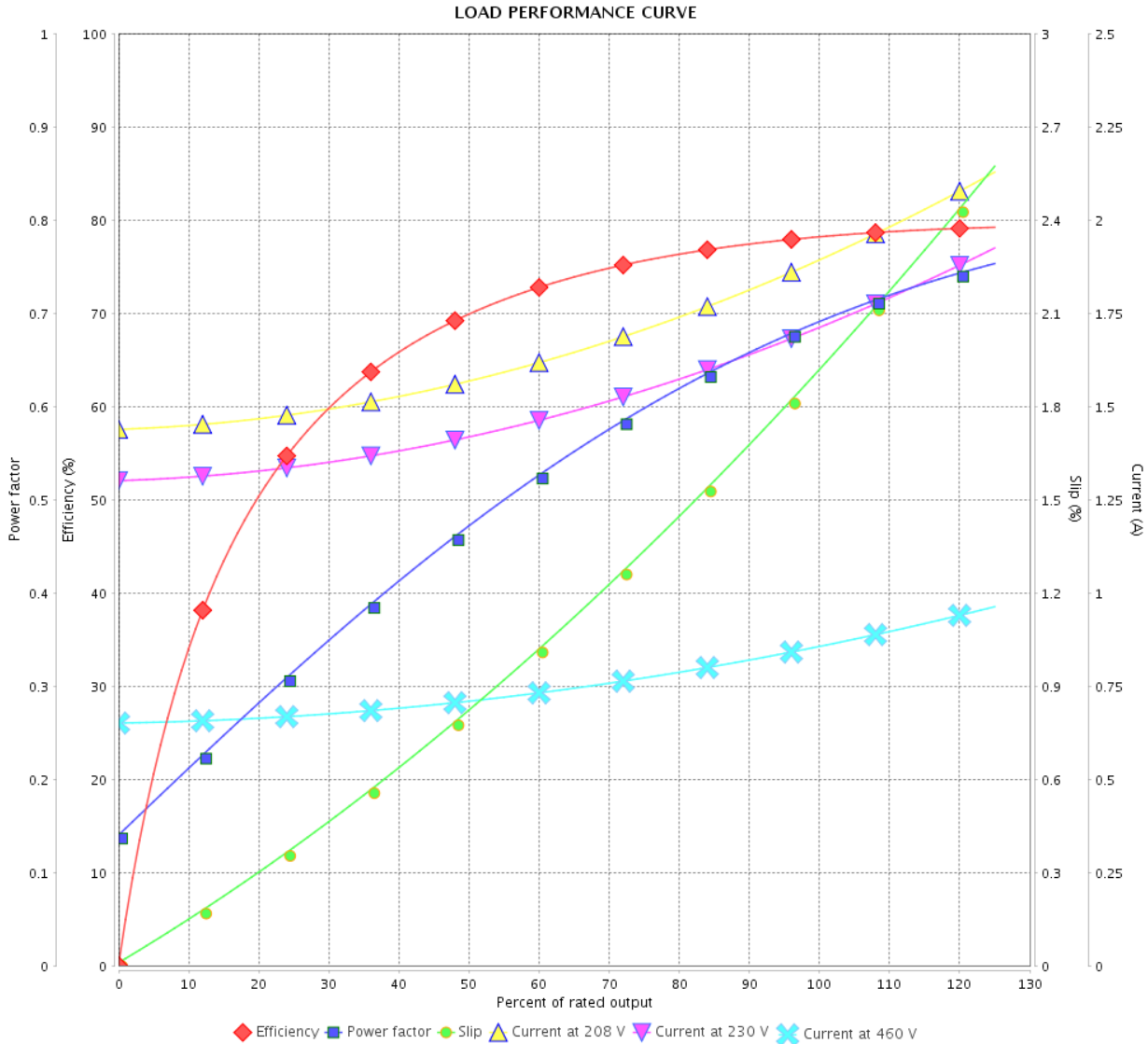
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14595231



Performance : 208-230/460 V 60 Hz 4P

Rated current : 1.90-1.72/0.861 A
 LRC : 7.2
 Rated torque : 0.206 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 330 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

| Rev. | Changes Summary | Performed | Checked | Date |
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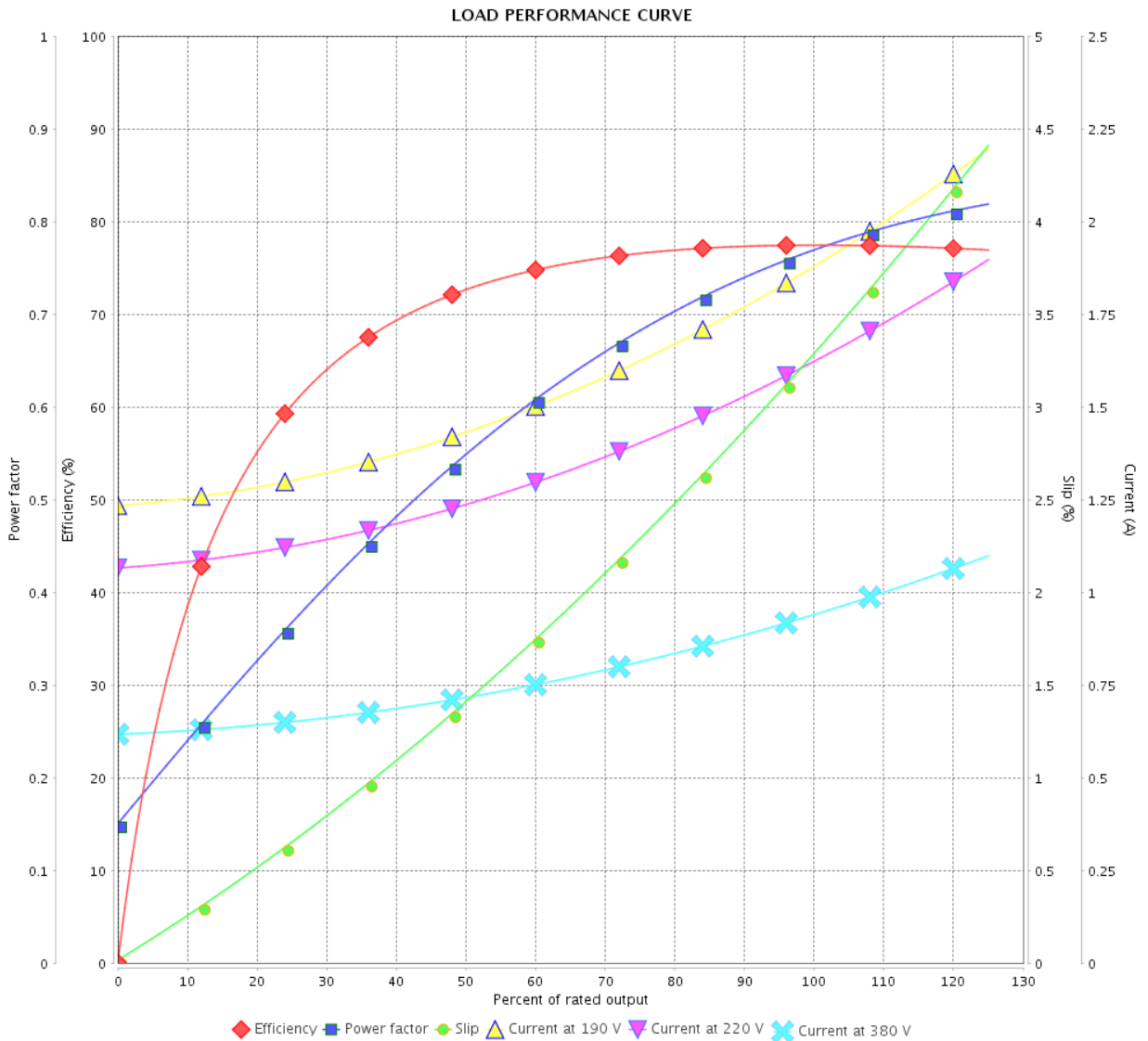
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 14595231



Performance : 190-220/380 V 50 Hz 4P

Rated current : 1.89-1.63/0.943 A
 LRC : 5.8
 Rated torque : 0.250 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 260 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

| Rev. | Changes Summary | Performed | Checked | Date |
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| Checked by | | | | |
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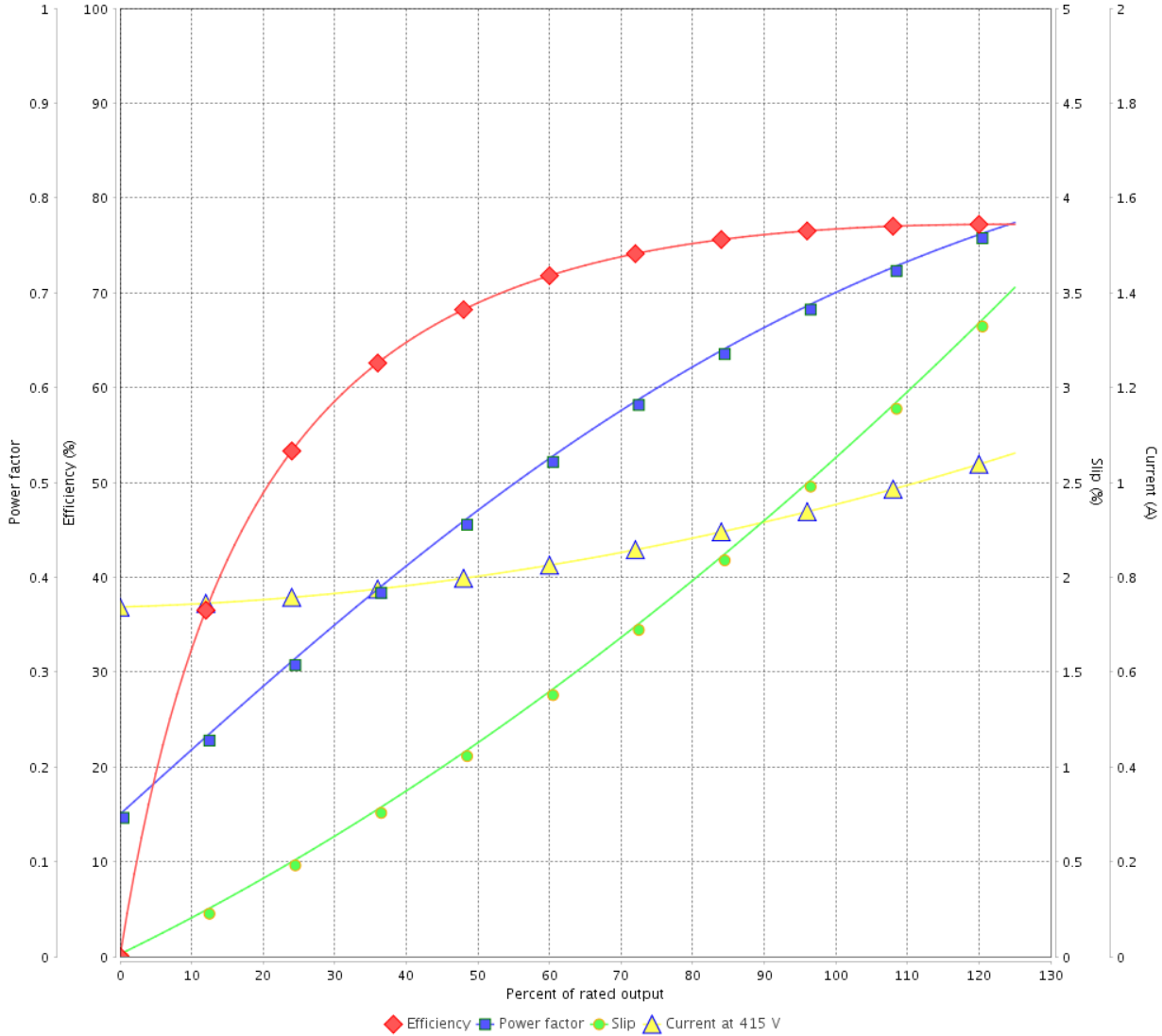
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14595231

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Performance : 415 V 50 Hz 4P

Rated current : 0.959 A
 LRC : 6.3
 Rated torque : 0.249 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 320 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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|--------------|-----------------|-----------|---------------|----------|
| | | | | |
| Performed by | | | Page 4 / 4 | Revision |
| Checked by | | | | |
| Date | 17/05/2022 | | | |