

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | |
|--|---|
| Customer : | |
| Product line | : Standard Efficiency Three-Phase |
| Product code | : 13505147 |
| Frame | : 56H |
| Insulation class | : F |
| Duty cycle | : Cont.(S1) |
| Ambient temperature | : -20°C to +40°C |
| Altitude | : 1000 m.a.s.l. |
| Design | : A |
| Cooling method | : IC01 - ODP |
| Mounting | : F-1 |
| Rotation ¹ | : Both (CW and CCW) |
| Starting method | : Direct On Line |
| Approx. weight ³ | : 15.0 kg |
| Moment of inertia (J) | : 0.0040 kgm ² |
| Output [HP] | 3 |
| Poles | 2 |
| Frequency [Hz] | 60 |
| Rated voltage [V] | 230/460 |
| Rated current [A] | 7.78/3.89 |
| L. R. Amperes [A] | 54.5/27.2 |
| LRC [A] | 7.0x(Code J) |
| No load current [A] | 3.20/1.60 |
| Rated speed [RPM] | 3450 |
| Slip [%] | 4.17 |
| Rated torque [kgfm] | 0.631 |
| Locked rotor torque [%] | 220 |
| Breakdown torque [%] | 250 |
| Service factor | |
| Temperature rise | 80 K |
| Locked rotor time | 14s (cold) 8s (hot) |
| Noise level ² | 62.0 dB(A) |
| Efficiency (%) | 25% |
| | 50% |
| | 75% |
| | 100% |
| Power Factor | 25% |
| | 50% |
| | 75% |
| | 100% |
| Bearing type | : <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ |
| Sealing | : Without Bearing Seal Without Bearing Seal |
| Lubrication interval | : - |
| Lubricant amount | : - |
| Lubricant type | : Mobil Polyrex EM |
| Foundation loads | Max. traction : 50 kgf Max. compression : 65 kgf |
| Notes USABLE @208V 8.60A SF 1.00 SFA 8.60A | |
| 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 | |
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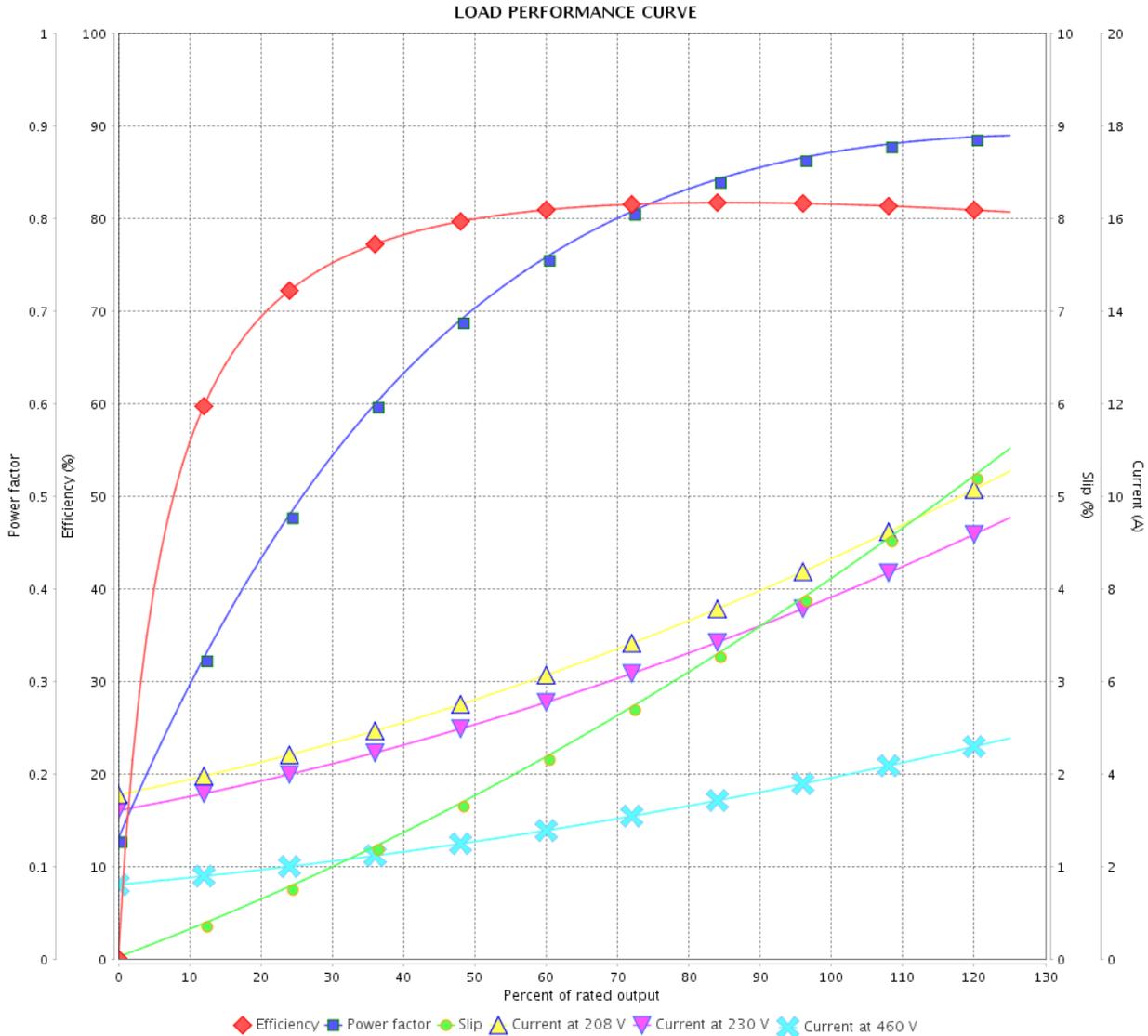
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13505147



Performance : 230/460 V 60 Hz 2P

Rated current : 7.78/3.89 A
 LRC : 7.0
 Rated torque : 0.631 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0040 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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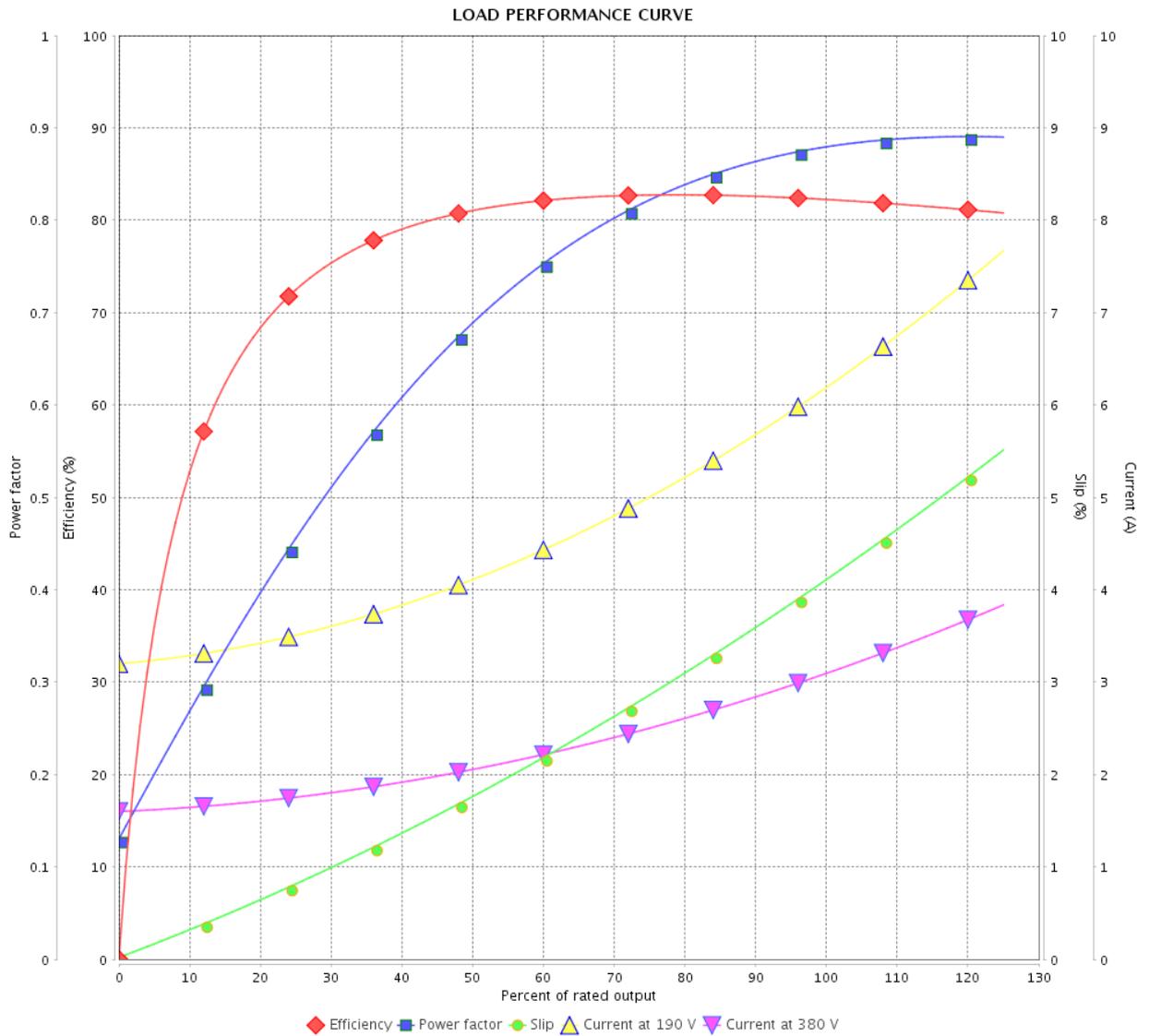
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13505147



Performance : 190/380 V 50 Hz 2P

Rated current : 6.30/3.15 A
 LRC : 7.7
 Rated torque : 0.505 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 300 %
 Rated speed : 2875 rpm

Moment of inertia (J) : 0.0040 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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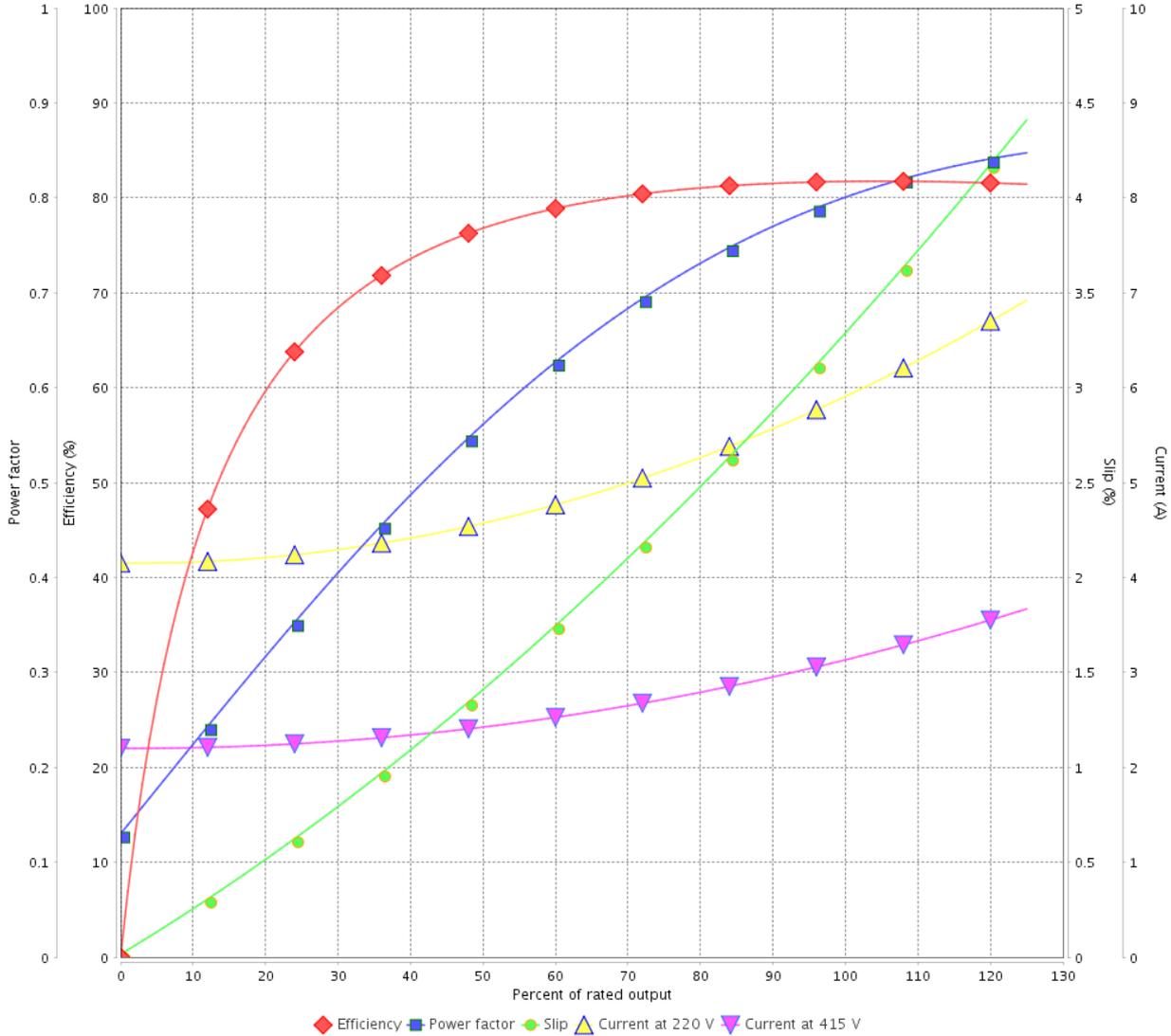
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13505147

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 2P

Rated current : 6.02/3.19 A
 LRC : 8.5
 Rated torque : 0.501 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 360 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0040 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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| Date | 17/05/2022 | | | |