DATA SHEET

Three Phase Induction Motor - Squirrel Cage



0.59

0.74

0.83

Customer Product line : Premium Efficiency Three-Phase Product code: 14338081 : W56C Frame Cooling method : IC01 - ODP Insulation class Mounting : F : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight³ : 7.6 kg Moment of inertia (J) : 0.0008 kgm² Output [HP] 1 Poles 2 2 2 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 190-220/380 415 Rated current [A] 1.72 2.94/1.47 3.52-3.04/1.76 L. R. Amperes [A] 17.6-15.2/8.80 20.6/10.3 9.80 LRC [A] 5.7x(Code H) 7.0x(Code K) 5.0x(Code G) No load current [A] 1.76/0.879 1.70-1.47/0.849 1.17 Rated speed [RPM] 3420 2770 2715 Slip [%] 5.00 9.50 7.67 Rated torque [kgfm] 0.212 0.267 0.262 Locked rotor torque [%] 310 220 280 Breakdown torque [%] 330 210 260 Service factor 1.25 1.00 80 K 105 K Temperature rise 105 K 19s (cold) 11s (hot) 18s (cold) 10s (hot) Locked rotor time 23s (cold) 13s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) 25% 50% 71.0 74.0 70.0 Efficiency (%) 75% 75.5 72.0 73.0 100% 77.0 72.0 73.0 25%

0.71

0.83

0.90

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6203 ZZ 6202 ZZ Max. traction : 18 kgf Sealing : Without Without Max. compression : 25 kgf

Bearing Seal Bearing Seal

0.61

0.74

0.83

Lubrication interval : - - Lubricant amount : - Lubricant type : Mobil Polyrex EM

Notes

Power Factor

USABLE @208V 3.25A SF 1.00 SFA 3.25A

50%

75%

100%

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.

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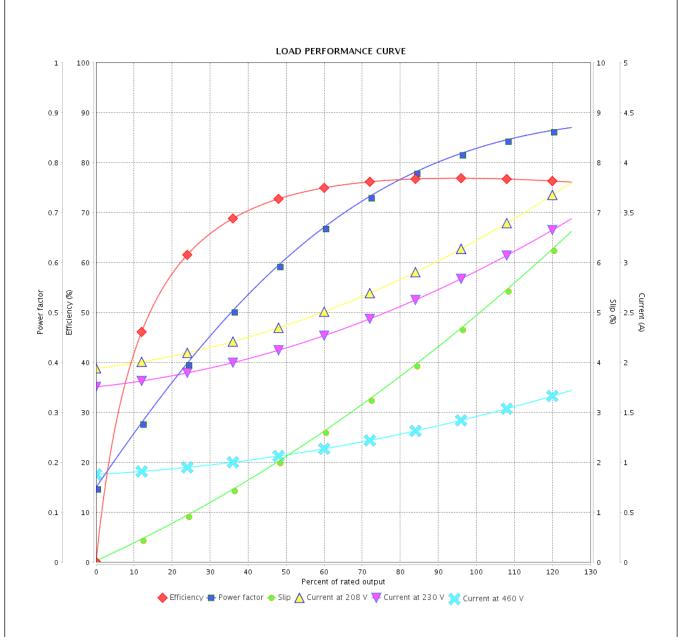
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14338081



Performance	: 230/460 V 60 Hz 2P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.94/1.47 A : 7.0 : 0.212 kgfm : 310 % : 330 % : 3420 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 0.0008 kgm² : Cont.(S1) : F : : 80 K

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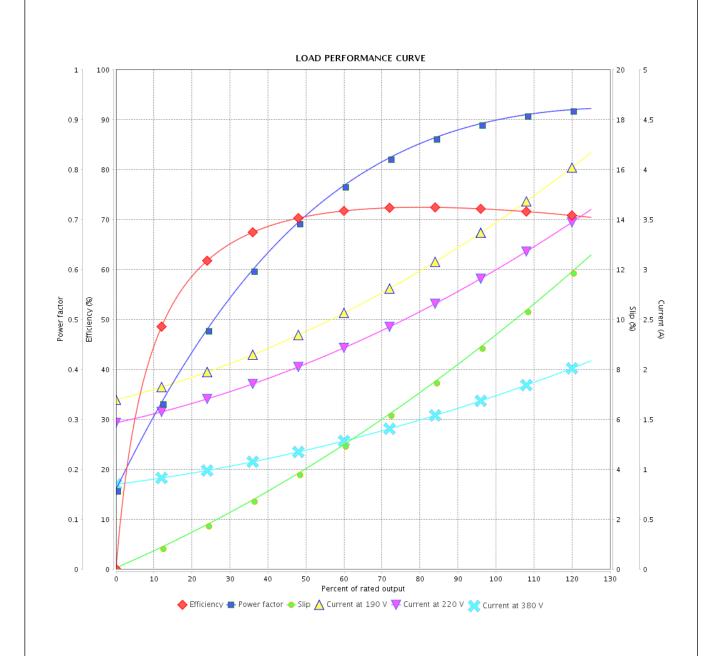
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14338081



Performance : 190-220/380 V 50 Hz 2P : 3.52-3.04/1.76 A Rated current Moment of inertia (J) : 0.0008 kgm² **LRC** Duty cycle : 5.0 : Cont.(S1) : 0.267 kgfm Rated torque Insulation class : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 2715 rpm

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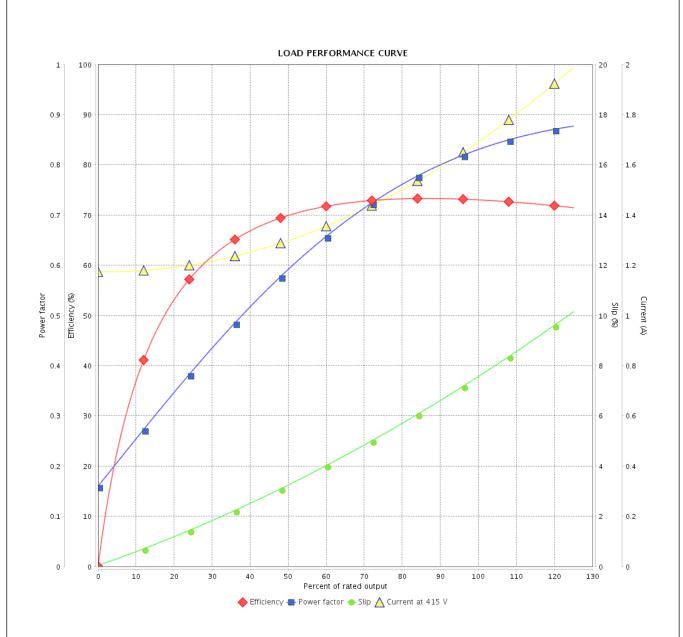
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14338081



 Performance
 : 415 V 50 Hz 2P

 Rated current
 : 1.72 A
 Moment of inertia (J)
 : 0.0008 kgm²

LRC : 5.7 Duty cycle : Cont.(S1) : 0.262 kgfm Insulation class Rated torque : F Locked rotor torque : 280 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 105 K

Rated speed : 2770 rpm

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