DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Standard Efficiency Three-Phase Product code: 13293056 Frame : 56 Cooling method : IC411 - TEFC 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 : 12.5 kg Protection degree : IP55 Moment of inertia (J) : 0.0036 kgm² Design : A Output [HP] 1 1 Poles 4 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 190/380 220/415 Rated current [A] 3.32/1.66 3.68/1.84 3.58/1.90 L. R. Amperes [A] 25.6/12.8 23.2/11.6 24.0/12.7 LRC [A] 7.7x(Code M) 6.7x(Code L) 6.3x(Code J) No load current [A] 2.40/1.20 2.88/1.53 2.35/1.18 Rated speed [RPM] 1445 1455 1760 Slip [%] 2.22 3.00 3.67 Rated torque [kgfm] 0.412 0.499 0.502 Locked rotor torque [%] 270 250 200 Breakdown torque [%] 300 260 310 Service factor 1.15 1.15 Temperature rise 80 K 80 K 80 K 0s (cold) 0s (hot) 0s (cold) 0s (hot) Locked rotor time 21s (cold) 12s (hot) Noise level² 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 74.0 74.9 69.9 Efficiency (%) 75% 78.5 78.1 75.4 77.3 100% 80.0 78.3 25% 0.48 0.57 0.47 50% Power Factor 75% 0.62 0.71 0.61 100% 0.71 0.79 0.71 Non drive end Foundation loads Drive end Bearing type 6204 ZZ 6202 ZZ Max. traction : 43 kgf Sealing V'Ring V'Ring Max. compression : 56 kgf Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 3.67A SF 1.00 SFA 3.67A

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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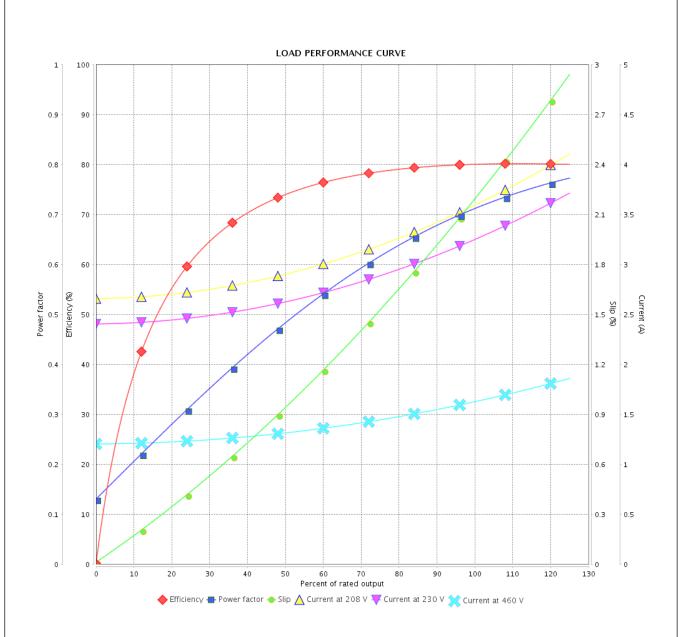
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13293056



Performance	: 230/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 3.32/1.66 A : 7.7 : 0.412 kgfm : 270 % : 300 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0036 kgm² : Cont.(S1) : F :		
Rated speed	: 1760 rpm	: 1760 rpm Design		: A		
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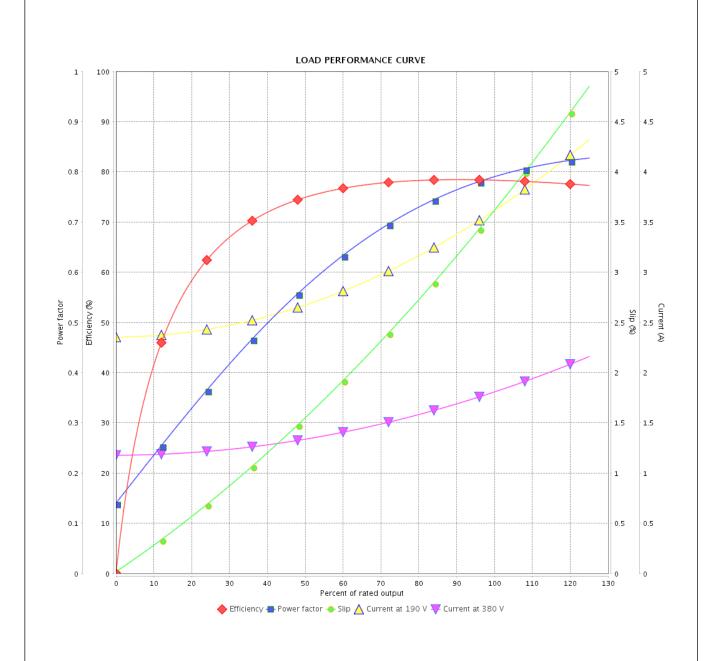
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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Standard Efficiency Three-Phase Product code : 13293056



Performance	: 19	90/380 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 0 : que : 20 : 20	68/1.84 A 3 502 kgfm 00 % 60 % 445 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0036 kgm² : Cont.(S1) : F : 1.15 : 80 K : A	
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Three Phase Induction Motor - Squirrel Cage



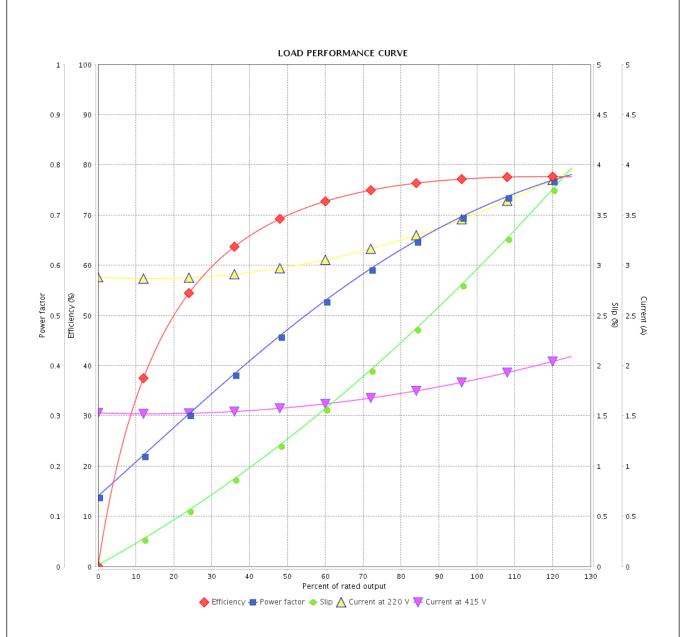
Customer :

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Date

11/05/2022

Product line : Standard Efficiency Three-Phase Product code : 13293056



Performance		: 220/415 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 0 lue : 2 le : 3	5.58/1.90 A 5.7 5.499 kgfm 550 % 610 % 455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0036 kgm² : Cont.(S1) : F : 1.15 : 80 K : A		
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Revision

