DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : General High Efficiency Three-Product code: 11994480 : E143/5TC Locked rotor time Frame : 27s (cold) 15s (hot) Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 230/460 V : 1000 m.a.s.l. Rated voltage Altitude Rated current : 5.00/2.50 A Protection degree : IP21 : IC01 - ODP L. R. Amperes : 45.0/22.5 A Cooling method **LRC** : 9.0x(Code K) Mounting : F-1 : Both (CW and CCW) No load current : 2.00/1.00 A Rotation¹ Rated speed : 3430 rpm Noise level² : 60.0 dB(A) Slip : 4.72 % Starting method : Direct On Line Rated torque : 0.423 kgfm Approx. weight³ : 0.0 kg Locked rotor torque : 450 % Breakdown torque : 350 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0025 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 84.0 85.5 85.5 Max. traction : 42 kgf Power Factor : 42 kgf 0.73 0.83 88.0 Max. compression

> Drive end 6205 ZZ

Non drive end 6204 ZZ Without Bearing Seal Without Bearing Seal

Lubrication interval Lubricant amount

Lubricant type Mobil Polyrex EM

Bearing type

Sealing

USABLE @208V 5.50A SF 1.00 SFA 5.50A

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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LOAD PERFORMANCE CURVE

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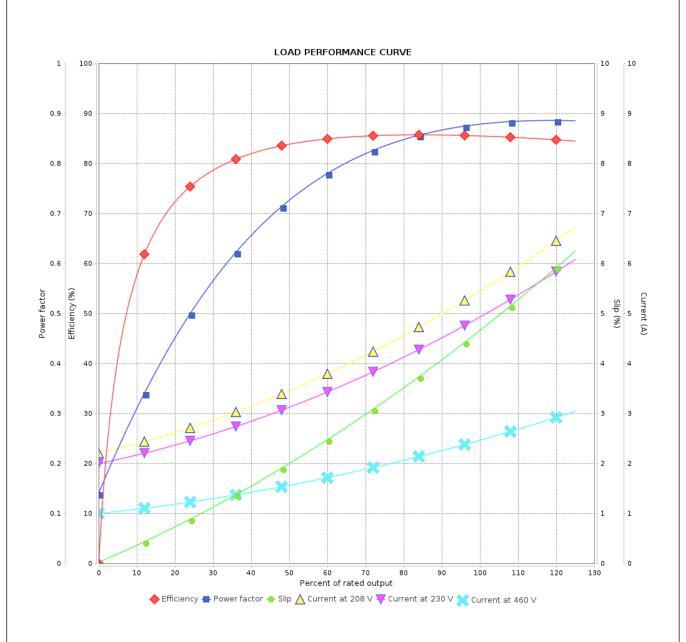
Customer :

Product line : General High Efficiency Three- Product line : Product line : Product line : General High Efficiency Three-

Product code:

11994480





Performance	: 230/460 V 60 Hz 2P					
Rated current LRC	: 5.00/2.50 A : 9.0	Moment of inertia (J) Duty cycle		: 0.0025 kgm² : Cont.(S1)		
Rated torque Locked rotor torque	: 0.423 kgfm : 450 %	Insulation of	Insulation class Service factor		: F	
Breakdown torque Rated speed	: 350 % : 3430 rpm	350 % Temperature rise		: 80 K : B		
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Date