DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : General NEMA Premium Efficiency Three-Product code: 10360047 : E143/5T Locked rotor time Frame : 27s (cold) 15s (hot) Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 230/460 V Rated voltage Altitude : 1000 m.a.s.l. Protection degree Rated current : 5.80/2.90 A : IP21 : IC01 - ODP L. R. Amperes : 47.6/23.8 A Cooling method **LRC** : 8.2x(Code L) Mounting : F-1 : 3.20/1.60 A : Both (CW and CCW) No load current Rotation¹ Rated speed : 1730 rpm Noise level² : 52.0 dB(A) Slip : 3.89 % Starting method : Direct On Line Rated torque : 0.839 kgfm Approx. weight³ : 19.7 kg Locked rotor torque : 350 % Breakdown torque : 330 % : F Insulation class Service factor : 1.15 : 0.0067 kgm² Moment of inertia (J) Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 82.5 85.5 86.5 Max. traction : 69 kgf Power Factor 0.58 0.70 0.78 Max. compression : 89 kgf

> Drive end 6205 ZZ

Non drive end 6204 ZZ Without Bearing Seal

Sealing : Without Bearing Seal Lubrication interval : -

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Lubricant amount : -

Lubricant type : Mobil Polyrex EM

Notes:

Bearing type

USABLE @208V 5.95A SF 1.00 SFA 5.95A

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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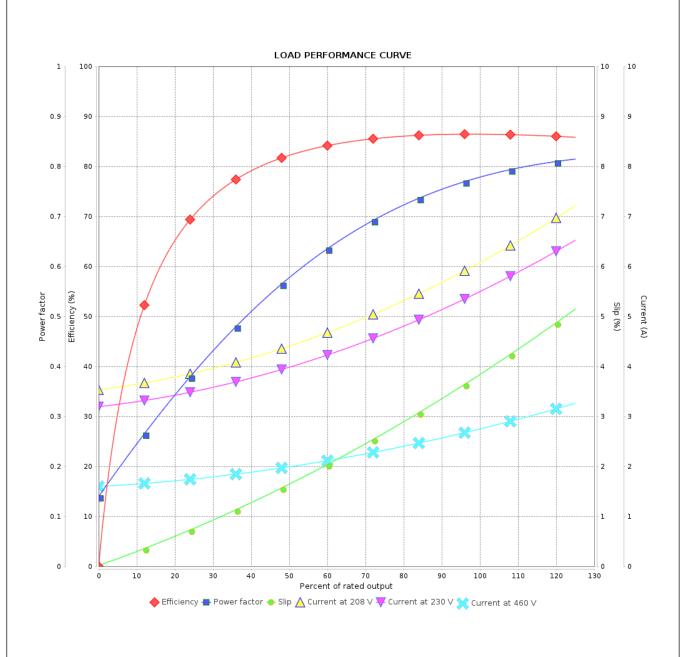
Customer

Product line : General NEMA Premium Efficiency Three-

Phase

Product code:

10360047



Performance	: 230/460 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.80/2.90 A : 8.2 : 0.839 kgfm : 350 % : 330 % : 1730 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0067 kgm ² : Cont.(S1) : F : : 80 K : B				
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Date