DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : General NEMA Premium Efficiency Three-Product code: 11744303 : E143/5T Locked rotor time Frame : 27s (cold) 15s (hot) Output : 1.5 HP (1.1 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 1.49 A : IP21 Cooling method : IC01 - ODP L. R. Amperes : 13.4 A **LRC** : 9.0x(Code K) Mounting : F-1 : Both (CW and CCW) No load current : 0.624 A Rotation¹ Rated speed : 3430 rpm Noise level² : 58.0 dB(A) : Direct On Line Slip : 4.72 % Starting method Rated torque : 0.317 kgfm Approx. weight³ : 16.8 kg Locked rotor torque : 400 % Breakdown torque : 350 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0022 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 82.5 85.5 85.5 Max. traction : 23 kgf Power Factor : 40 kgf 0.70 0.80 0.87 Max. compression Non drive end Drive end Bearing type 6205 ZZ 6204 ZZ Without Bearing Seal Without Bearing Seal Sealing Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes:

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

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : General NEMA Premium Efficiency Three-

Product code:

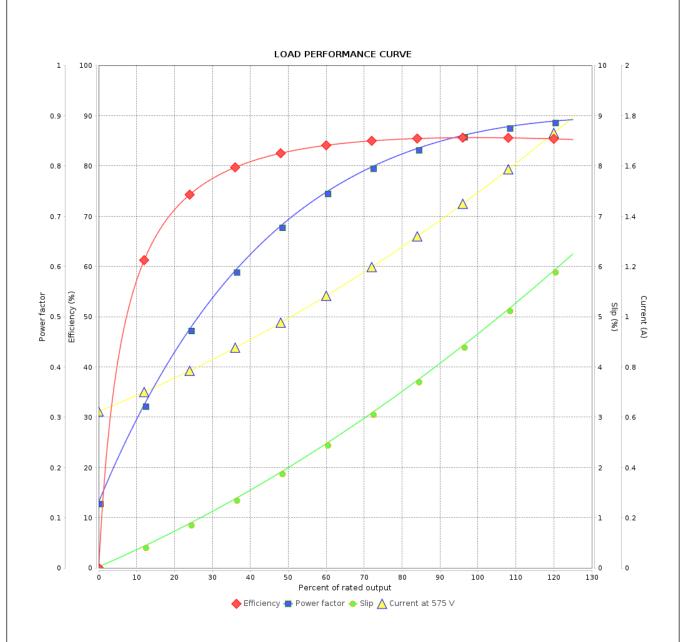
11744303

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19/03/2024

Date



Performance	: 575 V 60 Hz 2P							
Rated current	: 1.49 A	Moment of inertia (J)		: 0.0022 kgm²				
LRC	: 9.0	Duty cycle		: Cont.(S1)				
Rated torque	: 0.317 kgfm	Insulation	Insulation class					
Locked rotor torque	: 400 %	Service factor Temperature rise Design		: 1.15				
Breakdown torque	: 350 %			: 80 K				
Rated speed	: 3430 rpm			: B				
Rev.	Changes Summary	Performed	Checked	Date				
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