DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP High Efficiency Three-Phase Product code: 11997249 Frame : 256TC Locked rotor time : 18s (cold) 10s (hot) Output : 25 HP (18.5 kW) Temperature rise : 105 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. : IP23 Rated current : 23.4 A Protection degree : 141 A Cooling method : IC01 - ODP L. R. Amperes LRC : 6.0x(Code G) Mounting : F-1 No load current : 7.52 A Rotation¹ : Both (CW and CCW) Noise level² Rated speed : 3530 rpm : 67.0 dB(A) Slip : 1.94 % Starting method : Direct On Line Rated torque : 5.14 kgfm Approx. weight³ : 103 kg Locked rotor torque : 200 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0412 kgm² Design : B 50% Output 75% 100% Foundation loads Efficiency (%) 90.2 91.0 91.0 Max. traction : 150 kgf **Power Factor** 0.76 0.84 0.87 Max. compression : 254 kgf Drive end Non drive end 6309 Z C3 Bearing type 6209 Z C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 13 g 9 g 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

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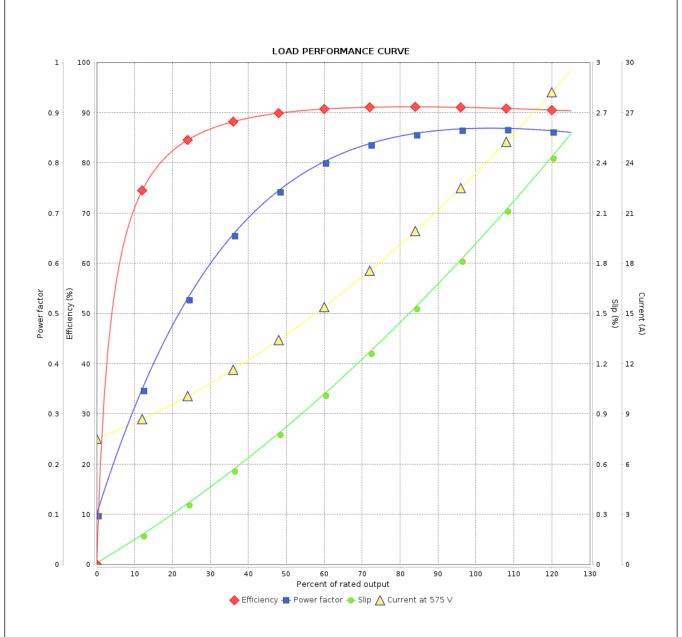
Customer :

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Date

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Product line : ODP High Efficiency Three-Phase Product code : 11997249



Performance	: 57	75 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 5. ue : 20	3.4 A .0 .14 kgfm 00 % 50 % 530 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0412 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
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Revision

