DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 15265184 : 447/9TS Locked rotor time Frame : 25s (cold) 14s (hot) Output : 350 HP (260 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 307 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 1997 A **LRC** : 6.5x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 70.4 A Rotation¹ Rated speed : 3565 rpm Noise level² : 87.0 dB(A) : Direct On Line Slip : 0.97 % Starting method Rated torque : 71.2 kgfm Approx. weight³ : 875 kg Locked rotor torque : 170 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.51 kgm² Design : A 50% 75% Output 100% Foundation loads Efficiency (%) 95.0 95.4 95.4 Max. traction : 1120 kgf Power Factor 0.83 0.88 0.89 Max. compression : 1995 kgf Non drive end Drive end Bearing type 6314 C3 6314 C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 14418 h 14418 h Lubricant amount 27 g 27 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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Customer	
Customer	

Thermal protection

	<u>'</u>				
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C	

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LOAD PERFORMANCE CURVE

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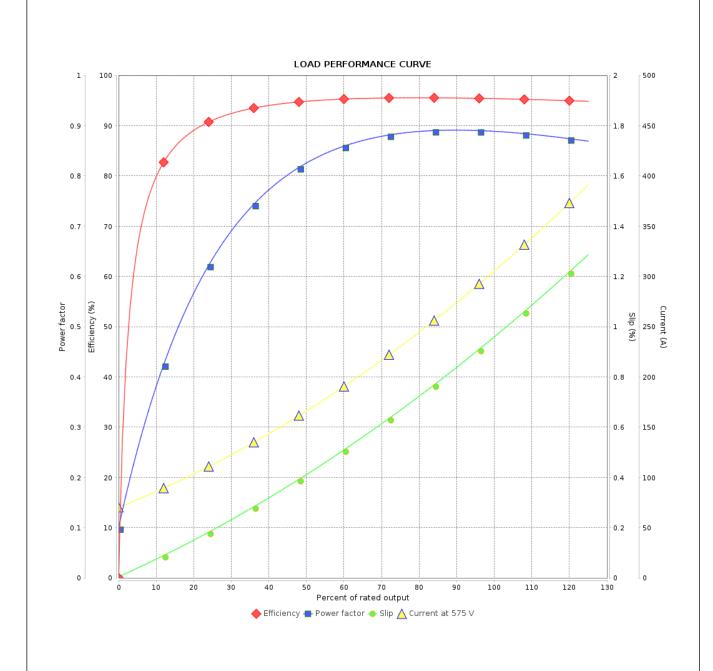


15265184

Customer :

Product line : W40 NEMA Premium Efficiency Three- Product code :

Phase



: 575 V 60 Hz 2P				
: 307 A	Moment of	f inertia (J)	: 1.51 kgm²	
: 6.5	Duty cycle	•	: Cont.(S1)	
: 71.2 kgfm	Insulation	class	: F	
: 170 %	Service fa	ctor	: 1.15	
: 250 %	Temperate	ure rise	: 80 K	
: 3565 rpm	Design		: A	
Changes Summary		Performed	Checked	Date
_	: 307 A : 6.5 : 71.2 kgfm : 170 % : 250 % : 3565 rpm	: 307 A	: 307 A : 6.5 : 71.2 kgfm : 170 % : 250 % : 3565 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 307 A Moment of inertia (J) : 1.51 kgm² : 6.5 Duty cycle : Cont.(S1) : 71.2 kgfm Insulation class : F : 170 % Service factor : 1.15 : 250 % Temperature rise : 80 K : 3565 rpm Design : A

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