DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 15728795 : 404/5T Locked rotor time Frame : 28s (cold) 16s (hot) Output : 60 HP (45 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 : 56.2 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 377 A : 6.7x(Code G) **LRC** Mounting : F-1 : Both (CW and CCW) No load current : 20.0 A Rotation¹ Rated speed : 1185 rpm Noise level² : 68.0 dB(A) : Direct On Line Slip : 1.25 % Starting method Rated torque : 36.7 kgfm Approx. weight³ : 433 kg Locked rotor torque : 240 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.24 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 91.7 94.5 94.5 Max. traction : 687 kgf Power Factor : 1120 kgf 0.73 0.82 0.85 Max. compression Non drive end Drive end Bearing type NU-316 C3 6314 C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 34 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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LOAD PERFORMANCE CURVE

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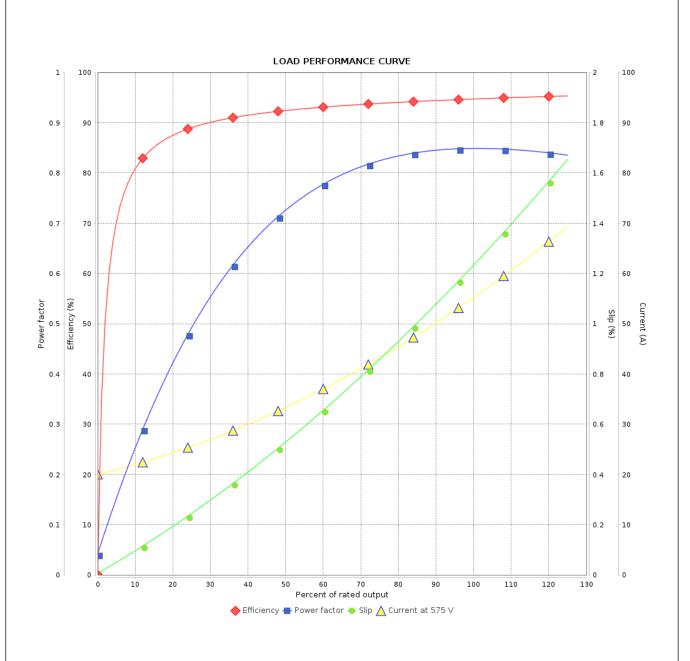
Customer :

Product line : W40 NEMA Premium Efficiency Three-

Product code:

15728795

Phase



Performance	: 5	75 V 60 Hz 6P				
Rated current	: 5	: 56.2 A Mo		of inertia (J)	: 1.24 kgm²	
LRC	: 6	5.7 Duty cyc		е	: Cont.(S1)	
Rated torque	: 30	36.7 kgfm Insulation		class	:F	
Locked rotor torque		40 %	Service factor		: 1.15	
Breakdown torqu	ue : 2	50 % Temperature rise		: 80 K		
Rated speed	: 1	1185 rpm Desi			: B	
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