DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Premium Product code: 15853638 Efficiency Three-Phase : 447TS Locked rotor time Frame : 66s (cold) 37s (hot) Output : 200 HP (150 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 177 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 1291 A **LRC** : 7.3x(Code H) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 42.4 A Rated speed : 3575 rpm Noise level² : 87.0 dB(A) Slip : 0.69 % Starting method : Direct On Line Rated torque : 40.6 kgfm Approx. weight³ : 1089 kg Locked rotor torque : 260 % Breakdown torque : 270 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.88 kgm² Design : B 50% 75% Output 100% Foundation loads : 414 kgf Efficiency (%) 94.1 95.4 95.8 Max. traction Power Factor : 1503 kgf 0.84 88.0 0.89 Max. compression Drive end Non drive end Bearing type 6314 C3 6314 C3 Lip Seal Viton Oil Seal Sealing Lubrication interval 3604 h 3604 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	
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Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

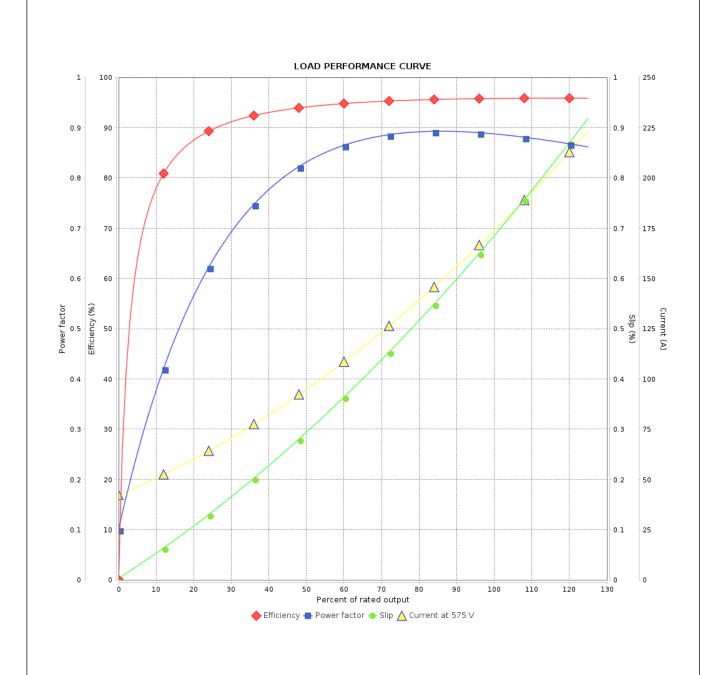


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 15853638



Performance	:	575 V 60 Hz 2P				
Rated current	:	: 177 A Moment of : 7.3 Duty cycle : 40.6 kgfm Insulation of : 260 % Service fact : 270 % Temperature		f inertia (J)	: 1.88 kgm²	
LRC	:			;	: Cont.(S1)	
Rated torque	:			class	: F : 1.15 : 80 K	
Locked rotor torque	e :			ctor		
Breakdown torque	:			ıre rise		
Rated speed	: 3575 rpm		Design		: B	
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