DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		Explosion P	roof NEMA Prem hase	nium Product code :	14407371
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Insulation class Service factor Moment of inertia Design	•	: 256TC : 20 HP (1 : 4 : 60 Hz : 575 V : 20.0 A : 150 A : 7.5x(Coo : 9.44 A : 1770 rpr : 1.67 % : 8.20 kgfi : 300 % : 300 % : F : 1.15 : 0.1217 k	de J) n m	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 69.0 dB(A) : Direct On Line : 169 kg
Output	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	91.7 0.63	92.4 0.75	93.0 0.81	Max. traction Max. compression	: 302 kgf : 471 kgf
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type	al	:	<u>Drive end</u> 6309 C3 Oil Seal 20000 h 13 g	Non drive end 6209 C3 Lip Seal 20000 h 9 g Mobil Polyrex EM	1
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

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

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LOAD PERFORMANCE CURVE

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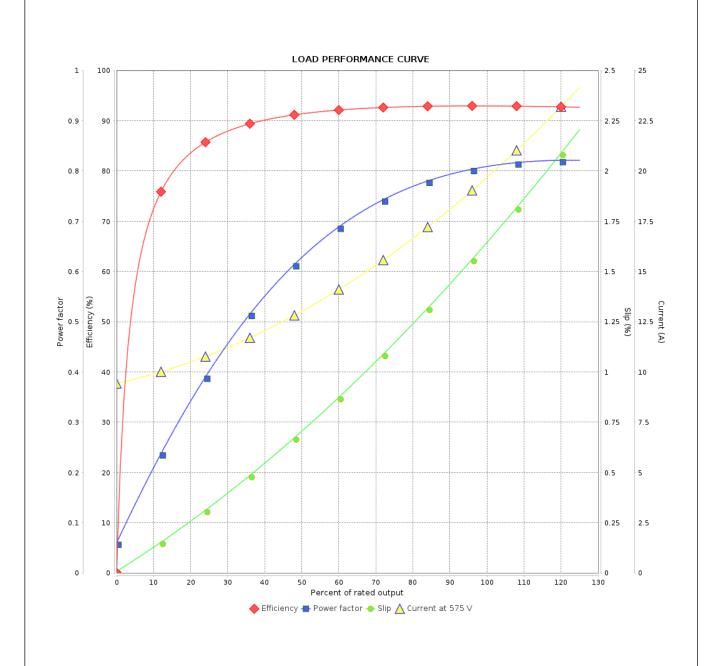


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14407371



Performance	: 57	75 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7. : 8. ue : 30	0.0 A 5 20 kgfm 00 % 00 % 770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1217 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Date