DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-F		15098997
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 213/5T : 3 HP (2.2 kW) : 8 : 60 Hz : 575 V : 3.54 A : 25.1 A : 7.1x(Code K) : 2.24 A : 870 rpm : 3.33 % : 2.50 kgfm : 210 % : 270 % : F : 1.15 : 0.0753 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 57s (cold) 32s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 91.3 kg
Output Efficiency (%)	50% 84.0	75% 85.5	100% 85.5	Foundation loads Max. traction	: 78 kgf
Power Factor	0.54	0.65	0.73	Max. compression	: 171 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : :	Drive end 6308 2RS Oil Seal - - -	Non drive end 6207 2RS Lip Seal - - - 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	
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Thermal protection

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

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Performed by					
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LOAD PERFORMANCE CURVE

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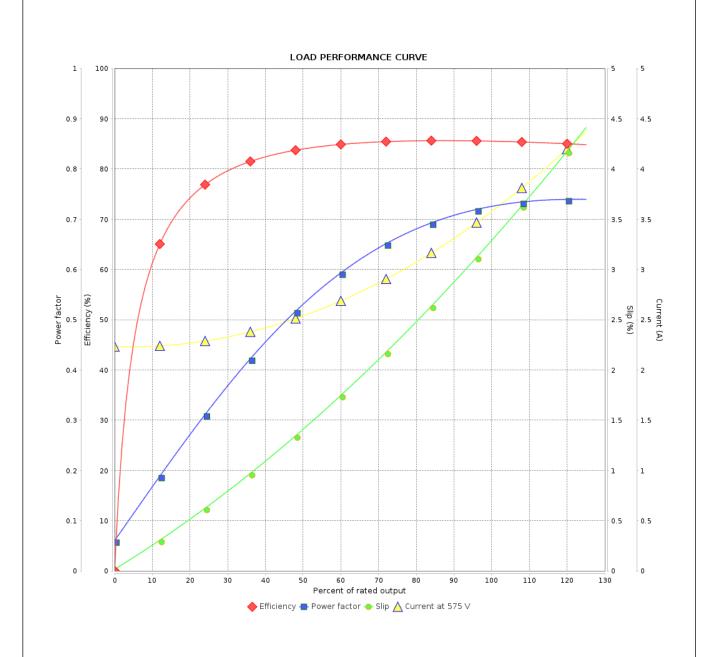


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 15098997



Performance : 575 V 60 Hz 8P						
Rated current	ated current : 3.54 A		Moment of inertia (J)		2	
LRC	: 7.1	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque	: 2.50 kgfm	Insulation class		: F		
Locked rotor torque	: 210 %	Service fa	Service factor			
Breakdown torque	: 270 %	Temperature rise		: 80 K		
Rated speed	: 870 rpm	Design	Design			
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