DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-F		14407763
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		: 326TC : 50 HP (37 kW) : 4 : 60 Hz : 575 V : 48.6 A : 354 A : 7.3x(Code H) : 20.0 A : 1775 rpm : 1.39 % : 20.4 kgfm : 260 % : 280 % : F : 1.15 : 0.3861 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 28s (cold) 16s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 71.0 dB(A) : Direct On Line : 312 kg
Output Efficiency (%)	50% 93.6	75% 94.5	100% 94.5	Foundation loads Max. traction	: 563 kgf
Power Factor	0.65	0.76	0.81	Max. compression	: 879 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : :	<u>Drive end</u> 6312 C3 Oil Seal 20000 h 21 g	Non drive end 6212 C3 Lip Seal 20000 h 13 g lobil 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

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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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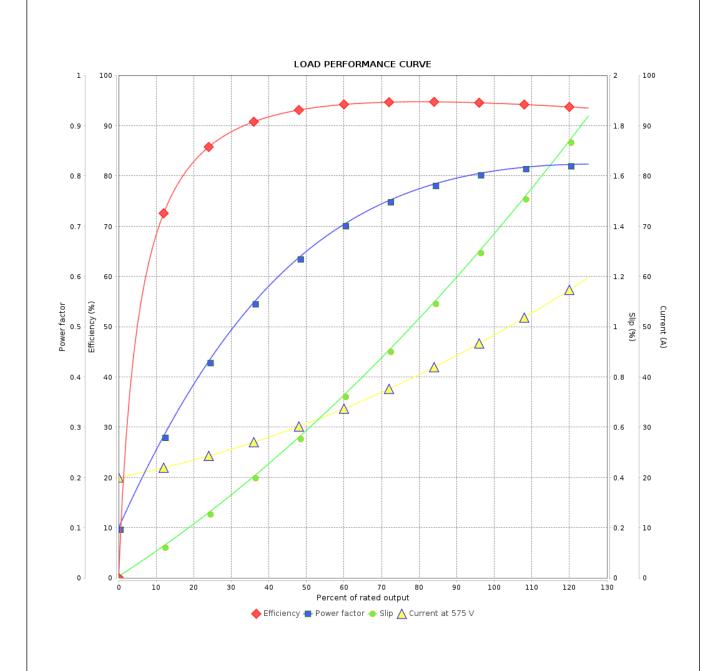


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407763



Performance		: 575 V 60 Hz 4P					
Rated current		: 48.6 A	Moment	Moment of inertia (J)		: 0.3861 kgm²	
LRC		: 7.3	Duty cycl	Duty cycle		: Cont.(S1)	
Rated torque		: 20.4 kgfm	Insulation	Insulation class		: F	
Locked rotor torque		: 260 %	Service fa	Service factor		: 1.15	
Breakdown torque		: 280 %	Temperat	Temperature rise			
Rated speed : 1775 rpm		Design		: B			
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