## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-F		14077145
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		: 444/5TS : 150 HP ( : 2 : 60 Hz : 575 V : 129 A : 903 A : 7.0x(Cod : 31.2 A : 3570 rpm : 0.83 % : 30.5 kgfn : 200 % : 250 % : F : 1.15 : 1.65 kgm	le G) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 55s (cold) 31s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 86.0 dB(A) : Direct On Line : 990 kg
Output	50%	75%	100%	Foundation loads	470 los
Efficiency (%) Power Factor	93.6 0.85	95.0 0.89	95.4 0.90	Max. traction Max. compression	: 172 kgf : 1161 kgf
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : : : : : : : : : : : : : : : : : :	<u>Drive end</u> 6314 C3 Oil Seal 3604 h 27 g	Non drive end 6314 C3 Lip Seal 3604 h 27 g Iobil 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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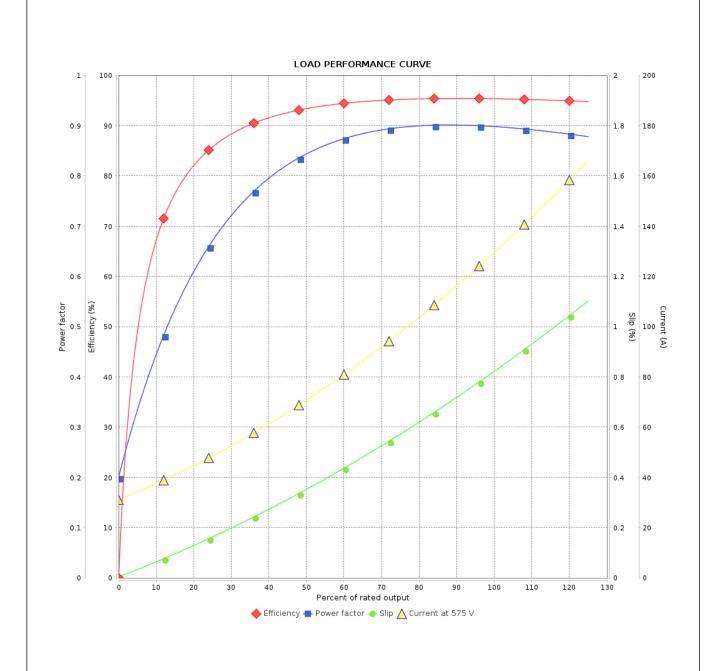


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14077145



Performance		: 575 V 60 Hz 2P					
Rated current		: 129 A	Moment of	Moment of inertia (J)		: 1.65 kgm²	
LRC		: 7.0	Duty cycle		: Cont.(S1)	: Cont.(S1)	
Rated torque		: 30.5 kgfm	Insulation class		: F	: F	
Locked rotor torque		: 200 %	Service fa	Service factor			
Breakdown torque		: 250 %	Temperature rise		: 80 K		
Rated speed		: 3570 rpm	Design		: B		
Rev. Changes Summary			Performed	Checked	Date		

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