## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-F		14407371
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		: 256TC : 20 HP (15 kW) : 4 : 60 Hz : 575 V : 20.0 A : 150 A : 7.5x(Code J) : 9.44 A : 1770 rpm : 1.67 % : 8.20 kgfm : 300 % : 300 % : F : 1.15 : 0.1217 kgm² : B		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 : 170 kg
Output Efficiency (%)	50% 91.7	75% 92.4	100% 93.0	Foundation loads Max. traction	: 302 kgf
Power Factor 0.63  Bearing type		0.75	0.81 <u>Drive end</u> 6309 C3	Max. compression  Non drive end 6209 C3	: 472 kgf
Sealing Lubrication interval Lubricant amount Lubricant type		: Oil Seal : 20000 h : 13 g		Lip Seal 20000 h 9 g Iobil 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	
Customer	

#### 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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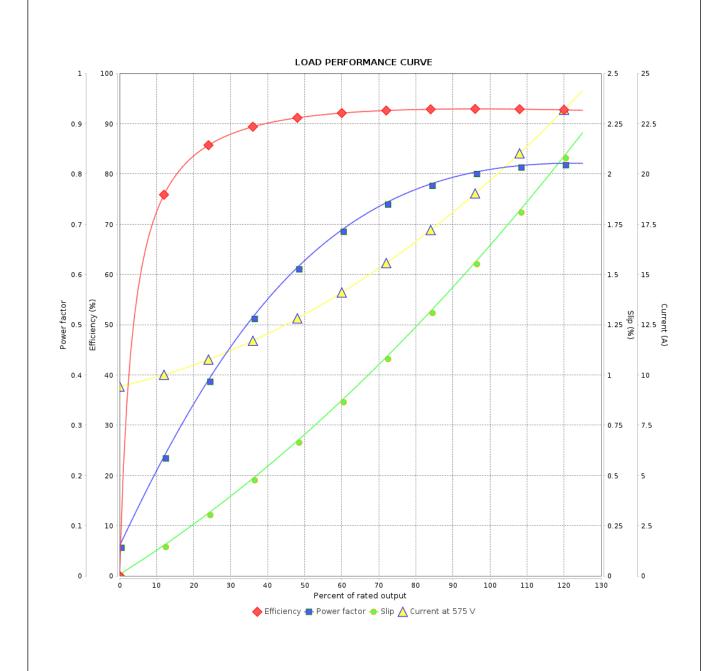


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407371



Performance		: 575 V 60 Hz 4P					
Rated current		: 20.0 A	Moment o	Moment of inertia (J)		: 0.1217 kgm²	
LRC		: 7.5	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque		: 8.20 kgfm	Insulation	Insulation class		: F	
Locked rotor torque		: 300 %	Service fa	Service factor			
Breakdown torque		: 300 %	Temperati	Temperature rise			
Rated speed		: 1770 rpm	Design	Design			
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