## **DATA SHEET**

### Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		Explosion ency Three		MA Premiur	m Product code :  Catalog # :	14407417 00509XT3E254T
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 Design	9	: 8 : 60 Hz : 230/46 : 15.9/7 : 84.0/4	60 V 7.93 A 7.2.0 A 7.50 A 7.50 A 7.50 A 7.50 A 7.50 A		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 37s (cold) 21s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 55.0 dB(A) : Direct On Line : 326 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	80.9 81.0	82.5 82.5	84.0 84.0	87.5 84.0 85.5 85.5	Max. traction	: 269 lb
Power Factor				0.67 0.73 0.70 0.69	Max. compression	: 593 lb
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type	al	: : : : : : : : : : : : : : : : : : : :	<u>Drive</u> 6309 Oil 8 2000 13	O C3 Seal OO h	Non drive end 6209 C3 Lip Seal 20000 h 9 g bil Polyrex EM	
Notos:						

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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#### Thermal protection

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

Rev.	Changes Summary		Performed	Checked	Date
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Checked by				Page	Revision
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