### **DATA SHEET**

### Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		W21 Explosion		EMA Premiur	m Product code :	14407764
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Insulation class Service factor Moment of inertia Design	9	: 6 : 60 F : 575 : 7.78 : 54.5 : 7.0x : 4.16 : 1175 : 2.08 : 4.63 : 270 : 320 : F : 1.15	HP (5.5 kW Z V A A (Code J) A 5 rpm % kgfm %	/)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 45s (cold) 25s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 59.0 dB(A) : Direct On Line : 147 kg
Output Efficiency (%)	25% 87.5	50% 88.5	75% 90.2	100% 91.0	Foundation loads Max. traction	: 159 kgf
Power Factor	0.34	0.58	0.71	0.78	Max. compression	: 306 kgf
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	630 Oil 20	e end 09 C3   Seal 000 h   3 g	Non drive end 6209 C3 Lip Seal 20000 h 9 g bil 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

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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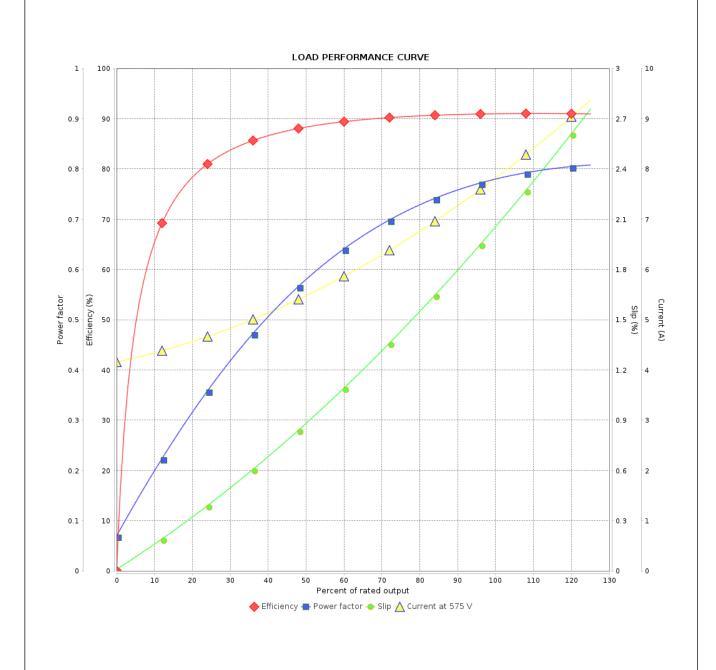


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14407764



Performance	: 575 V 60 Hz 6P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.78 A : 7.0 : 4.63 kgfm : 270 % : 320 % : 1175 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1401 kgm² : Cont.(S1) : F : 1.15 : 80 K : B			
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Date