## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		xplosion Proc cy Three-Pha	of NEMA Premi se	um Product code :	12097710
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		: 404/5TC : 100 HP (75 : 4 : 60 Hz : 575 V : 90.4 A : 651 A : 7.2x(Code : 31.2 A : 1780 rpm : 1.11 % : 40.8 kgfm : 270 % : 280 % : F : 1.15 : 1.11 kgm² : B	ŕ	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 23s (cold) 13s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 75.0 dB(A) : Direct On Line : 562 kg
	50%	75%	100%	Foundation loads	
(, , ,	94.5 0.72	95.0 0.82	95.4 0.87	Max. traction Max. compression	: 842 kgf : 1404 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type	: : : :	]	Orive end 6217 C3 Oil Seal 9149 h 21 g	Non drive end 6314 C3 Lip Seal 9789 h 27 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	
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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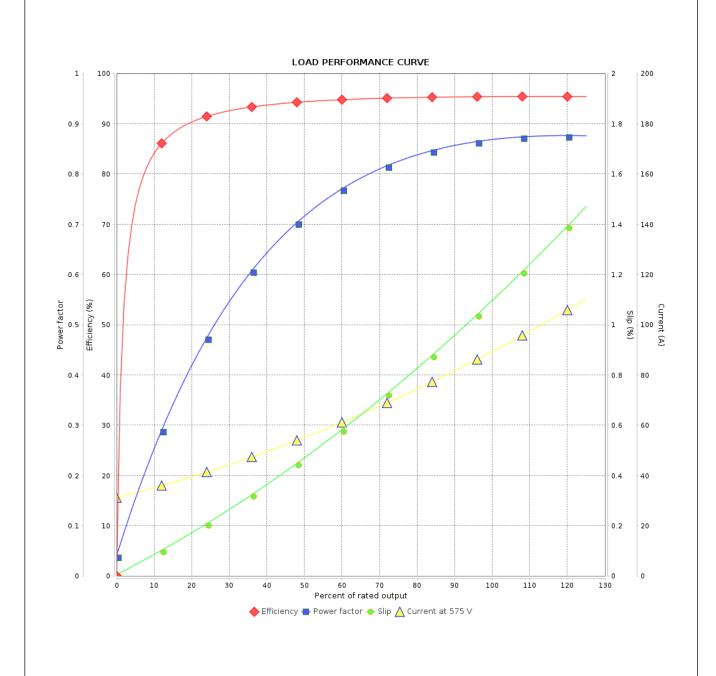


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 12097710



Performance	: 575 V 60 Hz 4P	: 575 V 60 Hz 4P						
Rated current	: 90.4 A	Moment of inertia (J)		: 1.11 kgm²				
LRC	: 7.2	Duty cycle		: Cont.(S1)				
Rated torque	: 40.8 kgfm Insulation class		class	s : F : 1.15				
Locked rotor torque	: 270 %	Service factor						
Breakdown torque	: 280 % Tem	Temperatu	ıre rise	: 80 K				
Rated speed	: 1780 rpm	Design		: B				
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22/10/2023

Date