## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer		:			
Product line		/21 Explosion P iciency Three-P	roof NEMA Prem hase	nium Product code :	14325082
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torq Breakdown torqu Insulation class Service factor Moment of inertial	e	: 143/5T : 1.5 HP ( : 2 : 60 Hz : 575 V : 1.64 A : 15.1 A : 9.2x(Coo : 0.800 A : 3500 rpr : 2.78 % : 0.311 kg : 340 % : 440 % : F : 1.15 : 0.0017 k	de M) n fm	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) : 68.0 dB(A) : Direct On Line : 32.1 kg
Output	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	78.5 0.62	82.5 0.73	84.0 0.80	Max. traction Max. compression	: 23 kgf : 55 kgf
Bearing type Sealing Lubrication interv Lubricant amount Lubricant type		: : : :	Drive end 6205 2RS Oil Seal - -	Non drive en 6204 2RS Lip Seal - - - Mobil Polyrex EM	
Notes:					

NOICS

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	
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#### Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C
2	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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# LOAD PERFORMANCE CURVE

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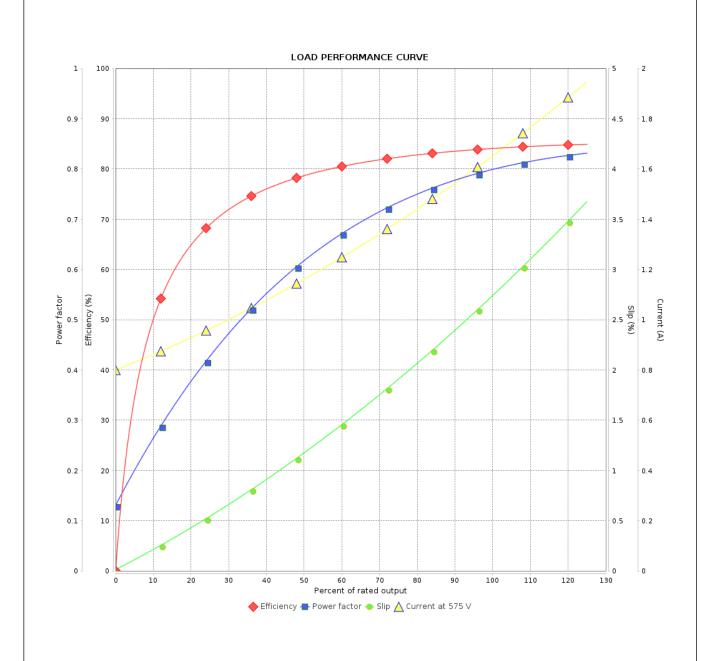


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14325082



Performance	:	575 V 60 Hz 2P				
Rated current	:	1.64 A Moment of		of inertia (J) : 0.0017 kgn		
LRC		9.2	Duty cycle		: Cont.(S1)	
Rated torque		0.311 kgfm	Insulation class		: F	
Locked rotor torque		340 %	Service factor		: 1.15	
Breakdown torque	:	440 %	Temperature rise		: 80 K	
Rated speed		3500 rpm	Design		: B	
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