## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-P		15807384
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		: 143/5TD : 2 HP (1.5 kW) : 4 : 60 Hz : 575 V : 2.23 A : 19.9 A : 8.9x(Code L) : 1.28 A : 1750 rpm : 2.78 % : 0.829 kgfm : 270 % : 320 % : F : 1.15 : 0.0067 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 19s (cold) 11s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 51.0 dB(A) : Direct On Line : 33.7 kg
Output Efficiency (%)	50% 84.0	75% 85.5	100% 86.5	Foundation loads  Max. traction	: 58 kgf
Power Factor	0.56	0.70	0.78	Max. compression	: 93 kgf
	Sealing : Oil Seal Lubrication interval : - Lubricant amount : -		Non drive end 6204 2RS Lip Seal - - - obil 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	
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#### 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

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

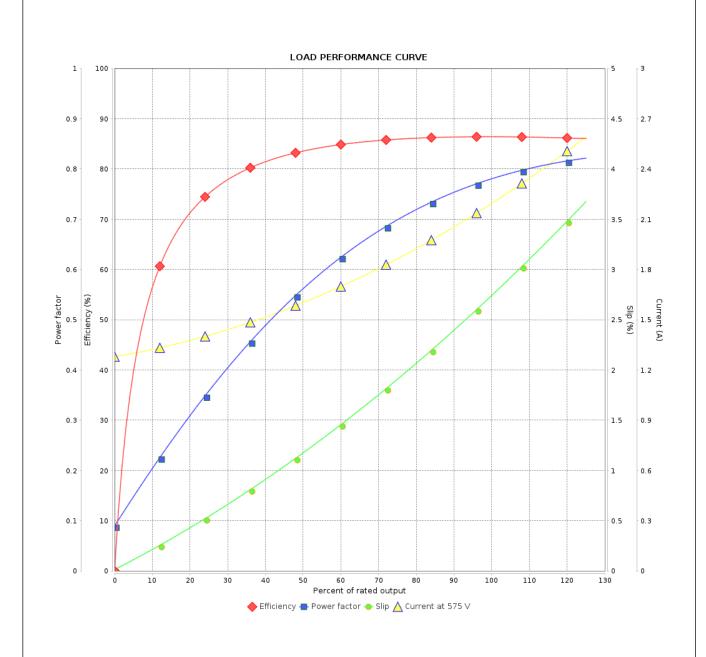
Date

29/10/2024

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 15807384



Performance		: 575 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 2.23 A : 8.9 : 0.829 kgfm : 270 % : 320 % : 1750 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0067 kgm² : Cont.(S1) : F : 1.15 : 80 K : B		
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Revision