DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: W21 Explosion Proof NEM/ Efficiency Three-Phase	\ Premium	Product code :	15455198
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	: 254TC : 7.5 HP (5.5 kW) : 6 : 60 Hz : 575 V : 7.78 A : 54.5 A : 7.0x(Code J) : 4.16 A : 1175 rpm : 2.08 % : 4.63 kgfm : 270 % : 320 % : F : 1.15 : 0.1401 kgm² : B		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 50	% 75% 100%	6 F	oundation loads	
Efficiency (%) 88 Power Factor 0.5		""	Лах. traction Лах. compression	: 159 kgf : 307 kgf
Bearing type : 6309 C3 Sealing : Oil Seal Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mob			Non drive end 6209 C3 Lip Seal 20000 h 9 g Polyrex EM	

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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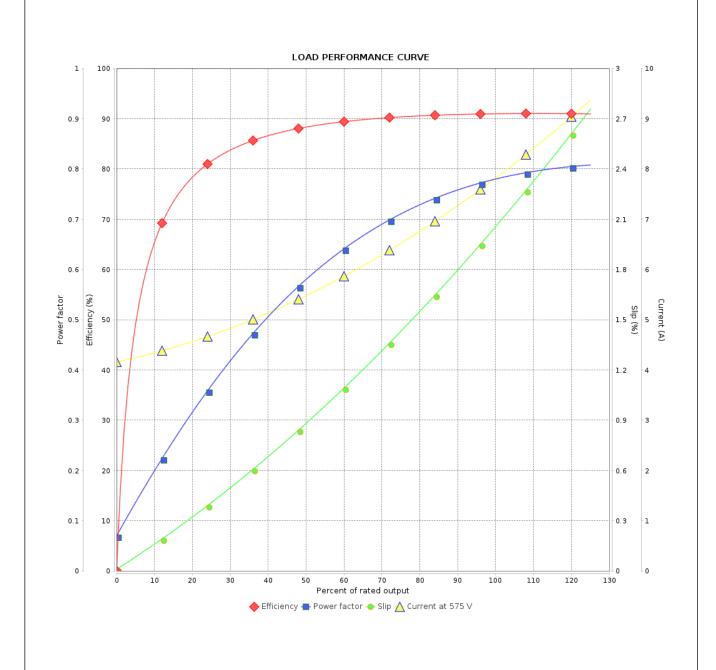


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 15455198



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