DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		xplosion Proc cy Three-Phas	of NEMA Premiu se	ım Product code :	14407584
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		: 256TC : 10 HP (7.5 : 6 : 60 Hz : 575 V : 10.6 A : 76.6 A : 7.2x(Code : 5.28 A : 1175 rpm : 2.08 % : 6.18 kgfm : 270 % : 310 % : F : 1.15 : 0.1751 kgm	J)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 63s (cold) 35s (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 : 166 kg
Output Efficiency (%)	50% 89.5	75% 90.2	100% 91.0	Foundation loads Max. traction	: 218 kgf
Power Factor	0.60	0.70	0.78	Max. compression	: 384 kgf
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type	: : ! : :	<u>[</u>	Orive end 6309 C3 Oil Seal 20000 h 13 g	Non drive end 6209 C3 Lip Seal 20000 h 9 g 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	
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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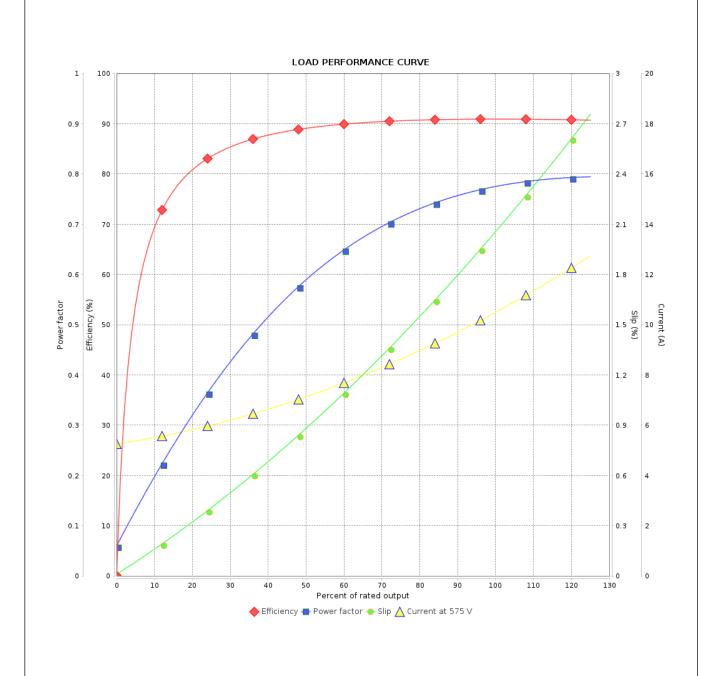


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14407584



Performance	: 575 V 60 Hz 6P					
Rated current	: 10.6 A	Moment of inertia (J)		: 0.1751 kgm²		
LRC	: 7.2	Duty cycle		: Cont.(S1)		
Rated torque	: 6.18 kgfm	Insulation class		:F `´		
Locked rotor torque	: 270 %	Service factor		: 1.15		
Breakdown torque	: 310 %	Temperature rise		: 80 K		
Rated speed	: 1175 rpm	Design		: B		
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Date