DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: W21 Explosion Efficiency Three-	Proof NEMA Prem Phase	nium Product code :	14293717
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	: 182/4T : 2 HP (7 : 6 : 60 Hz : 575 V : 2.50 A : 18.8 A : 7.5x(Co : 1.60 A : 1165 rp : 2.92 % : 1.25 kg : 330 % : F : 1.15 : 0.0224 : B	ode L) om	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 82s (cold) 46s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 62.5 kg
Output 50° Efficiency (%) 84.		100% 88.5	Foundation loads Max. traction	: 55 kgf
Power Factor 0.4		0.68	Max. compression	: 117 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes	: : : :	Drive end 6307 2RS Oil Seal - -	Non drive en 6206 2RS Lip Seal - - Mobil 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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Thermal protection

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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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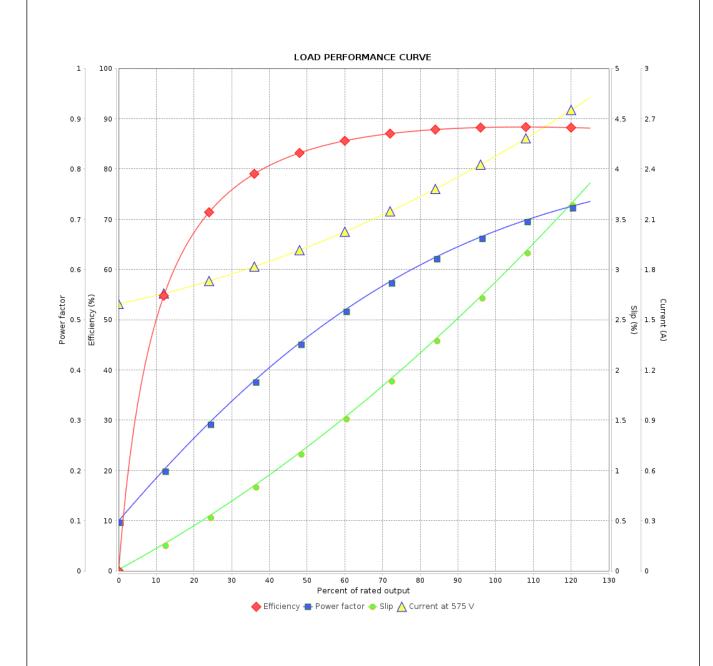


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14293717



Performance	: 5	575 V 60 Hz 6P				
Rated current	ent : 2.50 A Moment of iner		f inertia (J)	inertia (J) : 0.0224 kgm²		
LRC	: 7	7.5	Duty cycle		: Cont.(S1)	
Rated torque	: '	1.25 kgfm	Insulation class		:F	
Locked rotor torque	e :3	300 %	Service factor		: 1.15	
Breakdown torque	: 3	330 %	Temperature rise		: 80 K	
Rated speed	: 1	1165 rpm	Design		: B	
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