DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		Explosion Pr cy Three-Ph	oof NEMA Premase	nium Product code :	11724527
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 (Design		: 444/5T : 100 HP (: 6 : 60 Hz : 575 V : 96.7 A : 658 A : 6.8x(Cod : 39.0 A : 1190 rpm : 0.83 % : 61.2 kgfm : 229 % : 260 % : F : 1.15 : 3.68 kgm	e G) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 88s (cold) 49s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 70.0 dB(A) : Direct On Line : 940 kg
	50%	75%	100%	Foundation loads	
()	94.1 0.66	95.0 0.76	95.0 0.82	Max. traction Max. compression	: 917 kgf : 1857 kgf
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type	: : : :		Drive end NU-219 C3 Oil Seal 8864 h 28 g	Non drive end 6316 C3 Lip Seal 12823 h 34 g Mobil 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	

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

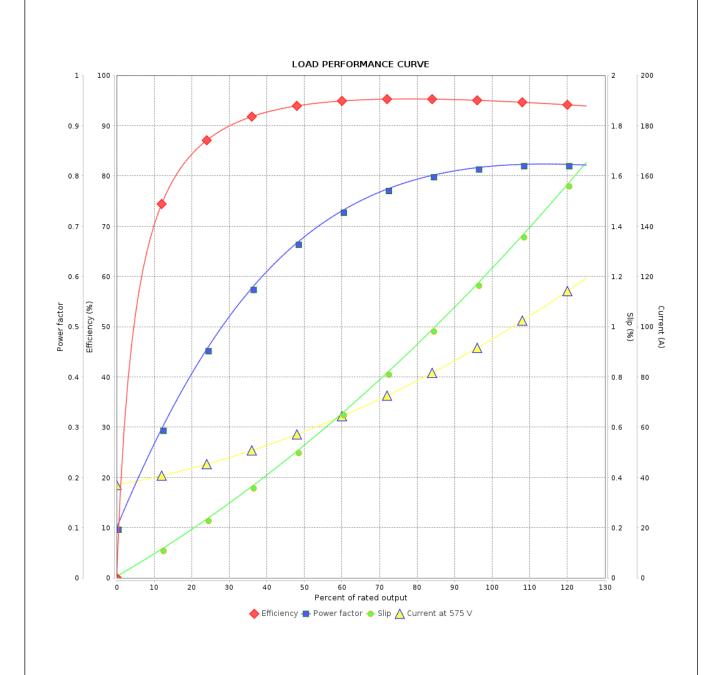
Date

13/01/2024

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 11724527



Performance		: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 96.7 A : 6.8 : 61.2 kgfm : 229 % : 260 % : 1190 rpm	Duty cyc Insulatio Service	n class	: 3.68 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.		Changes Sum	nmary	Performed	Checked	Date
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Revision