## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer					
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Product line			olosion Proof NEM Efficiency Three-P	13987710	
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		: 449T : 300 HP (220 kW) : 6 : 60 Hz : 575 V : 281 A : 2218 A : 7.9x(Code J) : 122 A : 1190 rpm : 0.83 % : 183 kgfm : 280 % : 300 % : F : 1.15 : 6.09 kgm² : A		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 12s (cold) 7s (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 : 1515 kg
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	95.0	95.4	95.8	Max. traction	: 4044 kgf
Power Factor	0.66	0.77	0.82	Max. compression	: 5559 kgf
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : :	Drive end NU-322 C3 Viton Oil Seal 5903 h 60 g	Non drive end 6319 C3 Viton Seal 11094 h 45 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

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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

#### Three Phase Induction Motor - Squirrel Cage

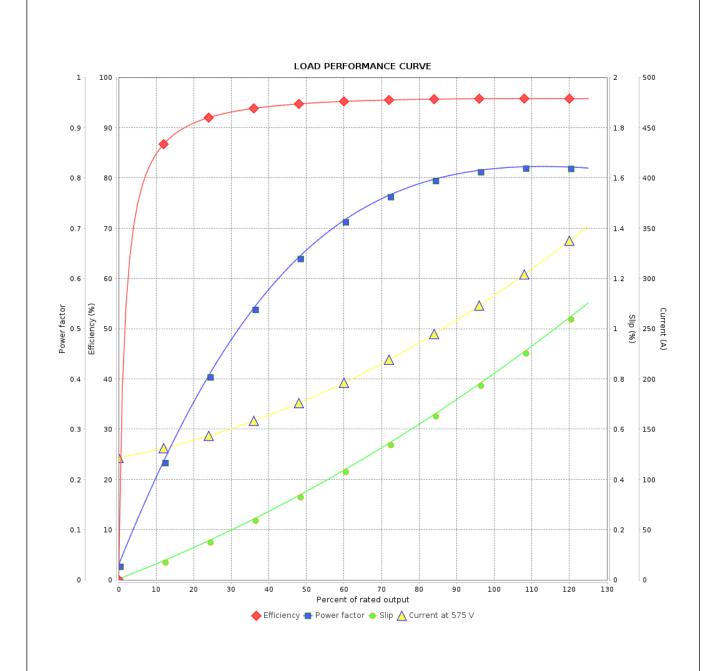


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 13987710



Performance	: 575 V 60 Hz 6P					
Rated current	: 281 A	Moment of inertia (J)		: 6.09 kgm²		
LRC	: 7.9	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque	: 183 kgfm	Insulation	Insulation class		:F	
Locked rotor tord	jue : 280 %	Service fa	Service factor			
Breakdown torqu	ie : 300 %	Temperati	Temperature rise			
Rated speed : 1190 rpm		Design		: A		
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