### **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W21 Explosion Proof NEMA Premium Product code: 14189383 Efficiency Three-Phase : 213/5T Locked rotor time Frame : 41s (cold) 23s (hot) Output : 7.5 HP (5.5 kW) Temperature rise : 80 K Poles : 2 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 6.94 A Protection degree : IP55 L. R. Amperes : 49.9 A Cooling method : IC411 - TEFC **LRC** : 7.2x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 2.00 A Rotation<sup>1</sup> Rated speed : 3535 rpm Noise level<sup>2</sup> : 72.0 dB(A) Slip : 1.81 % Starting method : Direct On Line Rated torque : 1.54 kgfm Approx. weight<sup>3</sup> : 86.8 kg Locked rotor torque : 229 % Breakdown torque : 300 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0198 kgm<sup>2</sup> Design 25% 100% Output 50% 75% Foundation loads Efficiency (%) 84.3 85.5 88.5 89.5 Max. traction : 42 kgf Power Factor 0.55 0.78 0.86 0.89 Max. compression : 128 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P1 (0,9;1,0) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 10.7 7.3 6.5 6.2 3.1 2.1 1.1 Drive end Non drive end 6308 2RS Bearing type 6207 2RS Oil Seal Sealing Lip Seal Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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.

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# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage



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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

### Three Phase Induction Motor - Squirrel Cage

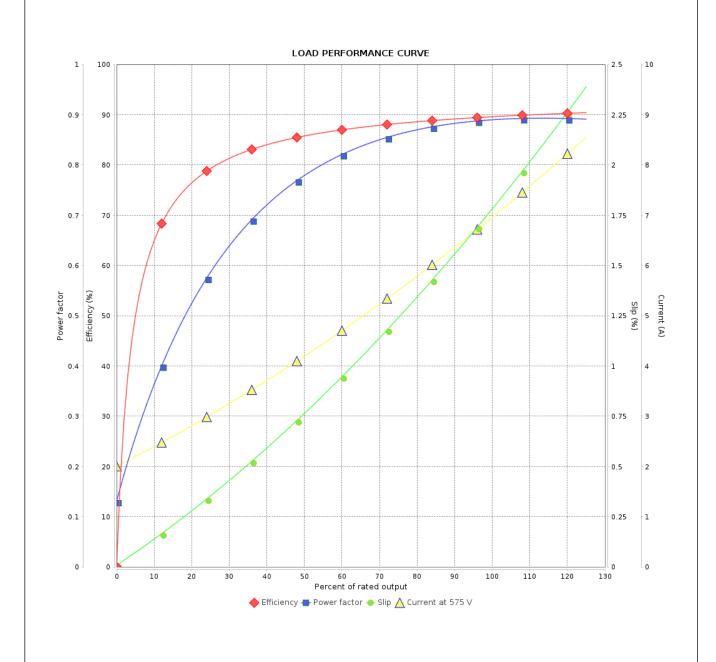


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14189383



Performance	:	: 575 V 60 Hz 2P					
Rated current	:	6.94 A	94 A Moment of inertia (J)		: 0.0198 kgm²		
LRC		7.2	Duty cycle		: Cont.(S1)		
Rated torque	:	1.54 kgfm	Insulation class		: F		
Locked rotor torque	<b>:</b>	229 %	Service factor		: 1.15		
Breakdown torque	:			ıre rise	: 80 K		
Rated speed	:			Design			
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