## **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W21 Explosion Proof NEMA Premium Product code: 12408340 Efficiency Three-Phase : 213TC Locked rotor time Frame : 21s (cold) 12s (hot) Output : 7.5 HP (5.5 kW) Temperature rise : 80 K Poles 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 Protection degree : IP55 : 7.53 A : IC411 - TEFC L. R. Amperes : 50.4 A Cooling method **LRC** : 6.7x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 2.72 A Rotation<sup>1</sup> Rated speed : 1765 rpm Noise level<sup>2</sup> : 58.0 dB(A) Slip : 1.94 % Starting method : Direct On Line Rated torque : 22.3 ft.lb Approx. weight<sup>3</sup> : 176 lb Locked rotor torque : 210 % Breakdown torque : 280 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.38 sq.ft.lb Design : B 25% 100% Output 50% 75% Foundation loads Efficiency (%) 89.4 90.2 91.0 91.7 Max. traction : 264 lb Power Factor 0.40 0.60 0.73 0.80 Max. compression : 440 lb 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) 8.8 7.3 6.4 4.4 2.9 1.9 1.3 Drive end Non drive end 6308 2RS Bearing type 6207 2RS Sealing Oil Seal 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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## Thermal protection

1		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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