DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Tru-Metric IE2 Three-Phase Product code: 12047130 Frame : 18s (cold) 10s (hot) : 160M Locked rotor time Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : S1 : 4 Frequency : 50 Hz Ambient temperature : -20°C to +40°C Rated voltage : 380 V Altitude : 1000 m.a.s.l. Rated current : 21.9 A Protection degree : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 136 A LRC : 6.2 Mounting : B35L(E) No load current : 9.10 A Rotation¹ : Both (CW and CCW) Rated speed : 1465 rpm Noise level² : 61.0 dB(A) Slip : 2.33 % Starting method : Direct On Line Rated torque : 53.8 ft.lb Approx. weight3 : 274 lb Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.73 sq.ft.lb Design : N Output 25% 50% 75% 100% Foundation loads 85.3 85.8 85.5 86.5 90.2 90.0 89.8 90.3 Efficiency (%) Max. traction : 544 lb 87 6 88.5 90.2 91.0 Power Factor 0.44 0.36 0.69 0.61 0.79 0.73 0.85 0.81 Max. compression : 818 lb 0.37 0.62 0.75 0.82 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 10.8 10.2 9.4 P2 (0,5;1,0) 8.6 8.1 7.5 P3 (0,25;1,0) 8.2 7.7 7.1 Losses (%) P4 (0,9;0,5) 6.1 5.8 5.4 P5 (0,5;0,5) 4.0 3.5 3.8 3.0 P6 (0,5;0,25) 2.8 2.6 P7 (0,25;0,25) 2.0 1.9 1.8 Drive end Non drive end Bearing type 6309 C3 6209 C3 V'Ring Sealing V'Ring Lubrication interval 20000 h 20000 h Lubricant amount 13 g 9 g 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.

- (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.

power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	. Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/03/2024			1/1	