DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 High Efficiency Three-Phase Product code: 11355139 Frame : 364/5T : 28s (cold) 16s (hot) Locked rotor time Output Temperature rise : 40 HP (30 kW) : 80 K Poles Duty cycle : Cont.(S1) : 6 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. : 37.7 A Rated current Protection degree : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 234 A LRC : 6.2x(Code G) Mounting : F-1 No load current : 13.6 A Rotation¹ : Both (CW and CCW) Rated speed : 1180 rpm Noise level² : 66.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 178 ft.lb Approx. weight3 : 889 lb Locked rotor torque : 190 % Breakdown torque : 229 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 23.5 sq.ft.lb Design : B Output 50% 75% 100% Foundation loads Efficiency (%) 93.0 93.0 93.0 Max. traction : 957 lb Power Factor 0.74 0.83 0.86 : 1846 lb Max. compression Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 7.3 6.2 5.6 3.3 1.0 2.3 1.4 Drive end Non drive end Bearing type 6314 C3 6314 C3 WSeal WSeal Sealing Lubrication interval 17000 h 17000 h Lubricant amount 27 g 27 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. 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.

(1)710 10070 0110	iii iodd.				
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	29/03/2024			1/1	