DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 High Efficiency Three-Phase Product code: 11354955 Frame : 19s (cold) 11s (hot) : 404/5T Locked rotor time Output Temperature rise : 60 HP (45 kW) : 80 K Poles Duty cycle : Cont.(S1) : 8 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 230/460 V Altitude : 1000 m.a.s.l. Rated current : 148/74.2 A Protection degree : IP55 : 935/467 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 6.3x(Code G) Mounting : F-1 No load current : 58.0/29.0 A Rotation¹ : Both (CW and CCW) Rated speed : 880 rpm Noise level² : 60.0 dB(A) Slip : 2.22 % Starting method : Direct On Line Rated torque : 358 ft.lb Approx. weight3 : 1087 lb Locked rotor torque : 180 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 36.9 sq.ft.lb Design : B Foundation loads Output 50% 75% 100% Efficiency (%) 91.7 91.0 92.4 91.6 91.7 91.6 Max. traction : 3128 lb 91.0 91.0 91.6 91.6 91.6 91.6 Max. compression Power Factor 0.70 0.70 0.80 0.80 0.83 0.84 : 4214 lb 0.66 0.63 0.78 0.75 0.83 0.81 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 8.7 8.8 8.8 P2 (0,5;1,0) 7.5 7.6 7.6 7.6 P3 (0,25;1,0) 7.6 7.7 7.7 7.7 Losses (%) P4 (0,9;0,5) 3.6 3.7 3.7 3.7 P5 (0,5;0,5) 2.7 2.7 2.7 2.7 P6 (0,5;0,25) 1.6 1.6 1.6 1.6 P7 (0,25;0,25) 1.2 1.2 1.2 1.2 Drive end Non drive end Bearing type 6316 C3 6314 C3 WSeal WSeal Sealing 20000 h 20000 h Lubrication interval Lubricant amount 34 g 27 g Lubricant type Mobil 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.

Rev.	Changes Summary			Performed	Checked	Date
Performed by			,			,
Checked by					Page	Revision
Date	29/03/2024				1/1	