DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Cooling Tower NEMA Premium Product code: 12096109 Efficiency Three-Phase Catalog #: 04012ET3ECT364T-W22 Frame : 364/5T Locked rotor time : 37s (cold) 21s (hot) Output : 40 HP (30 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 230/460 V : 1000 m.a.s.l. Altitude Rated current : 93.0/46.5 A Protection degree : IP55 L. R. Amperes : 595/298 A Cooling method : IC411 - TEFC LRC : 6.4x(Code G) Mounting : F-2 No load current : 33.0/16.5 A Rotation¹ : Both (CW and CCW) Rated speed : 1183 rpm Noise level² : 66.0 dB(A) Starting method Slip : 1.42 % : Direct On Line Rated torque : 178 ft.lb Approx. weight3 : 887 lb Locked rotor torque : 200 % : 240 % Breakdown torque Insulation class : F Service factor : 1.25 Moment of inertia (J) : 21.8 sq.ft.lb Design : B 25% 100% Output 50% 75% Foundation loads Efficiency (%) 93.0 92.5 93.6 92.4 93.6 92.8 94.1 92.5 Max. traction : 1241 lb 92.2 91.5 92.3 91.9 93.1 93.0 93.0 93.2 93.5 93.4 93.0 93.0 92.4 93.0 91.7 92.4 92.9 93.0 93.0 93.0 0.48 0.44 0.73 0.68 0.82 0.80 0.86 0.84 Power Factor Max. compression : 2127 lb 0.42 0.39 0.66 0.63 0.79 0.76 0.83 0.82 0.54 0.51 0.78 0.76 0.84 0.83 0.86 0.85 0.49 0.73 0.82 0.84 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0.9:1.0) 6.1 6.1 6.1 6.1 6.1 6.1 P2 (0,5;1,0) 5.0 5.0 5.0 5.0 5.0 5.0 5.0 P3 (0,25;1,0) 4.4 4.4 4.4 4.4 4.4 4.4 4.4 P4 (0,9;0,5) Losses (%) 2.8 2.8 2.8 2.8 2.8 2.8 2.8 P5 (0,5;0,5) 1.9 1.9 1.9 1.9 1.9 1.9 1.9 P6 (0,5;0,25) 1.1 1.1 1.1 1.1 1.1 1.1 1.1 P7 8.0 8.0 8.0 8.0 8.0 (0,25;0,25)Drive end Non drive end Bearing type 6314 2RS C3 6314 2RS C3 WSeal Sealing **WSeal** Lubrication interval Lubricant amount Lubricant type POLYREA ESTER OIL (WT/ ENS) 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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Three Phase Induction Motor - Squirrel Cage								
Customer	:							
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Voltage: 110-127	7200-240 V							
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