

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase	Product code : 11431026 Catalog # : 20018ET3E447T-W22					
Frame : 445/7T Output : 200 HP (150 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 460/230 A L. R. Amperes : 3128/1564 A LRC : 6.8x(Code G) No load current : 140/70.0 A Rated speed : 1785 rpm Slip : 0.83 % Rated torque : 588 ft.lb Locked rotor torque : 229 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 76.2 sq.ft.lb Design : B	Locked rotor time : 28s (cold) 16s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 73.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 2305 lb					
Output 25% 50% 75% 100% Efficiency (%) 95.7 95.8 96.2 96.2 Power Factor 0.50 0.73 0.82 0.85	Foundation loads Max. traction : 3387 lb Max. compression : 5693 lb					
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)
4.0	3.2	2.9	2.0	1.3	0.9	0.5
Drive end Bearing type : 6319 C3 Sealing : WSeal Lubrication interval : 8000 h Lubricant amount : 45 g Lubricant type : Mobil Polyrex EM			Non drive end Bearing type : 6316 C3 Sealing : WSeal Lubrication interval : 10000 h Lubricant amount : 34 g			
Notes USABLE @208V 509A SF 1.00 SFA 509A						
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	07/11/2023				1 / 1	



For use on 60Hz
 Class I, Div 2, Gr A, B, C and D - T3
 Class I, Zone 2, IIC - T3
 Class II, Div 2, Gr F and G - T3C
 For use on PWM: Gr. A, B, C, D and F,
 VT 1000:1, CT 20:1, 1.00SF - T3

MODEL 20018ET3E447T-W22

Inverter Duty Motor
 Severe Duty

PH3 60Hz Fr. 445/7T 1000m.a.s.l. IP55 TEFC 2305lb

V 230/460 A 460/230

HP 200 kW 150

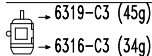
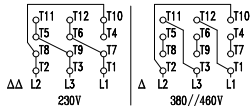
SF 1.15 SFA 529/265

RPM 1785 PF 0.85

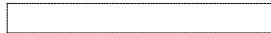
AMB 40°C INS cl. F DT80K NEMA NOM EFF 96.2%

DUTY CONT. DES B Code G

200HP 150kW 50Hz 380V 279A 1475RPM SF 1.00 EFF 95.0% (IE2)



MOBIL POLYREX EM (8000h)



MADE IN MEXICO
 11431026