

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase
 Product code : 11355772
 Catalog # : 12518ET3ERB444T-W22

Frame : 444/5T	Locked rotor time : 48s (cold) 27s (hot)
Output : 125 HP	Temperature rise : 80 K
Poles : 4	Duty cycle : Cont.(S1)
Frequency : 60 Hz	Ambient temperature : -20°C to +40°C
Rated voltage : 230/460 V	Altitude : 1000 m.a.s.l.
Rated current : 278/139 A	Protection degree : IP55
L. R. Amperes : 1807/904 A	Cooling method : IC411 - TEFC
LRC : 6.5x(Code G)	Mounting : F-1
No load current : 80.0/40.0 A	Rotation ¹ : Both (CW and CCW)
Rated speed : 1785 rpm	Noise level ² : 73.0 dB(A)
Slip : 0.83 %	Starting method : Direct On Line
Rated torque : 368 ft.lb	Approx. weight ³ : 1564 lb
Locked rotor torque : 200 %	
Breakdown torque : 229 %	
Insulation class : F	
Service factor : 1.15	
Moment of inertia (J) : 57.2 sq.ft.lb	
Design : B	

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	94.9	95.0	95.4	95.4	Max. traction : 1813 lb
Power Factor	0.52	0.74	0.82	0.85	Max. compression : 3378 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)
4.5	3.4	3.1	2.4	1.4	0.9	0.5

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type :	NU-319 C3	6316 C3
Sealing :	WSeal	WSeal
Lubrication interval :	5000 h	10000 h
Lubricant amount :	45 g	34 g
Lubricant type :	Mobil Polyrex EM	

Notes
 USABLE @208V 307A SF 1.00 SFA 307A


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.
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Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	11/10/2023		1 / 1	

MADE IN MEXICO
11355772



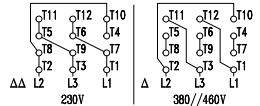
MODEL 12518ET3ERB444T-W22







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 - T3A

Inverter Duty Motor
Severe Duty

PH3	60Hz	Fr. 444/5T	1000m.a.s.l.	IP55	TEFC	1564lb
V	230/460			A	278/139	
HP	125			kW	90	
SF	1.15			SFA	320/160	
RPM	1780			PF	0.85	
AMB	40°C			INS cl.	F DT80K	NEMA NOM EFF 95.4%
DUTY	CONT.			DES	B Code G	



-  → NU-319-C3 (45g)
-  → 6316-C3 (34g)
-  MOBIL POLYREX EM (5000h)

125HP 90kW 50Hz 380V 168A 1475RPM SF 1.00 EFF 94.5% (IE2)