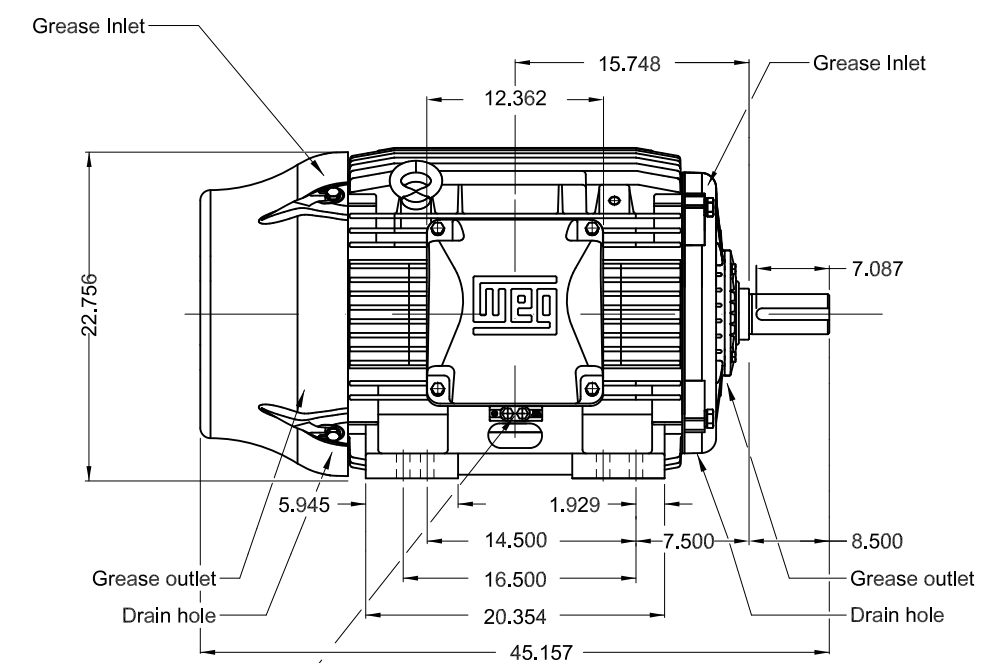
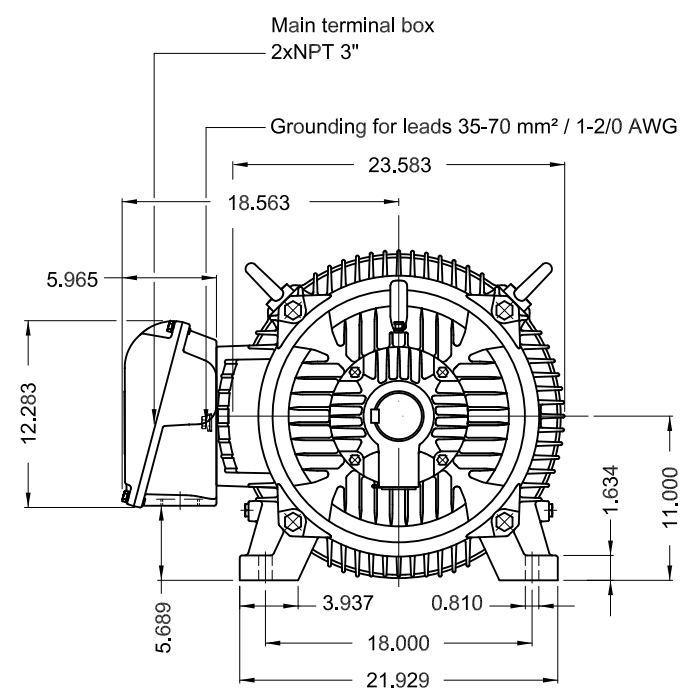


DATA SHEET



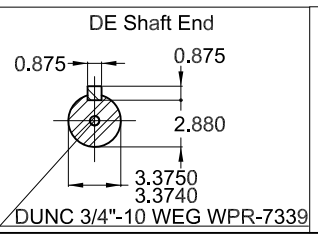
Three Phase Induction Motor - Squirrel Cage

Customer :													
Product line : W22 NEMA Premium Efficiency Three-Phase	Product code : 11356085 Catalog # : 15018ET3G445T-W22												
Frame : 444/5T Output : 150 HP (110 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 460 V Rated current : 170 A L. R. Amperes : 1122 A LRC : 6.6x(Code G) No load current : 58.0 A Rated speed : 1784 rpm Slip : 0.89 % Rated torque : 442 ft.lb Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 66.7 sq.ft.lb Design : B	Locked rotor time : 48s (cold) 27s (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 : 1736 lb												
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Output</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>95.4</td> <td>95.8</td> <td>95.8</td> </tr> <tr> <td>Power Factor</td> <td>0.74</td> <td>0.82</td> <td>0.85</td> </tr> </table>	Output	50%	75%	100%	Efficiency (%)	95.4	95.8	95.8	Power Factor	0.74	0.82	0.85	Foundation loads Max. traction : 2532 lb Max. compression : 4269 lb
Output	50%	75%	100%										
Efficiency (%)	95.4	95.8	95.8										
Power Factor	0.74	0.82	0.85										
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	3.5	3.1	2.4	1.5	1.1	0.6							
			<u>Drive end</u>				<u>Non drive end</u>						
Bearing type	:	6319 C3		6316 C3									
Sealing	:	WSeal		WSeal									
Lubrication interval	:	8000 h		10000 h									
Lubricant amount	:	45 g		34 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													
Date	07/11/2023				Page 1 / 1	Revision							



Grounding for leads 25-185 mm² / 3AWG-350MCM


150 HP 04 Poles 60 Hz A



Color RAL 5009
 Painting plan 203A
 Mounting B3R(D)

ECM		LOC	SUMMARY OF MODIFICATIONS			USERADMIN					00		
EXECUTED	USERADMIN			THREE PH. MOTOR W22 NEMA PREM. EFF.			PREVIEW WDD 00						
CHECKED				FRAME 444/5T IP55 TEFC									
RELEASED													
REL. DATE				WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1					

MADE IN MEXICO
11356085

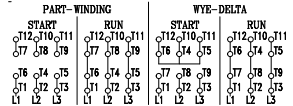





Class I, Div 2, Gr A, B, C and D - T3
 Class I, Zone 2, IIC - T3
 Class II, Div 2, Gr F and G - T3C
 For use on PWM: Gr. A, B, C, D and F,
 VT 1000:1, CT 20:1, 1.00SF - T3A


MODEL 15018ET3G445T-W22

Inverter Duty Motor
Severe Duty

PH3	60Hz	Fr. 444/5T	1000m.a.s.l.	IP55	TEFC	1736lb
V 460				A 170		
HP 150				kW 110		
SF 1.15				SFA 195		
RPM 1780				PF 0.85		
AMB 40°C				INS cl. F DT80K	NEMA NOM EFF 95.8%	
DUTY CONT.				DES B	Code G	



-  → 6319-C3 (45g)
-  → 6316-C3 (34g)

 MOBIL POLYREX EM (8000h)