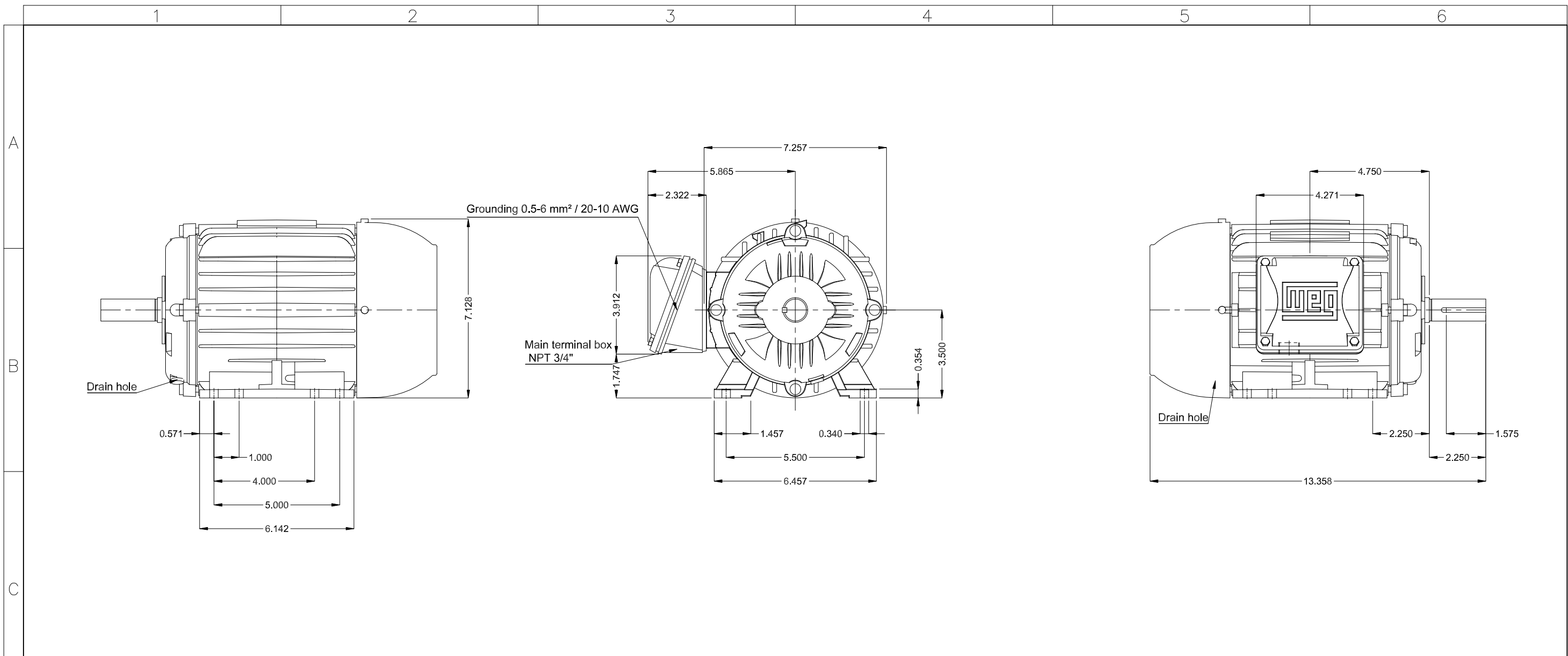


# DATA SHEET

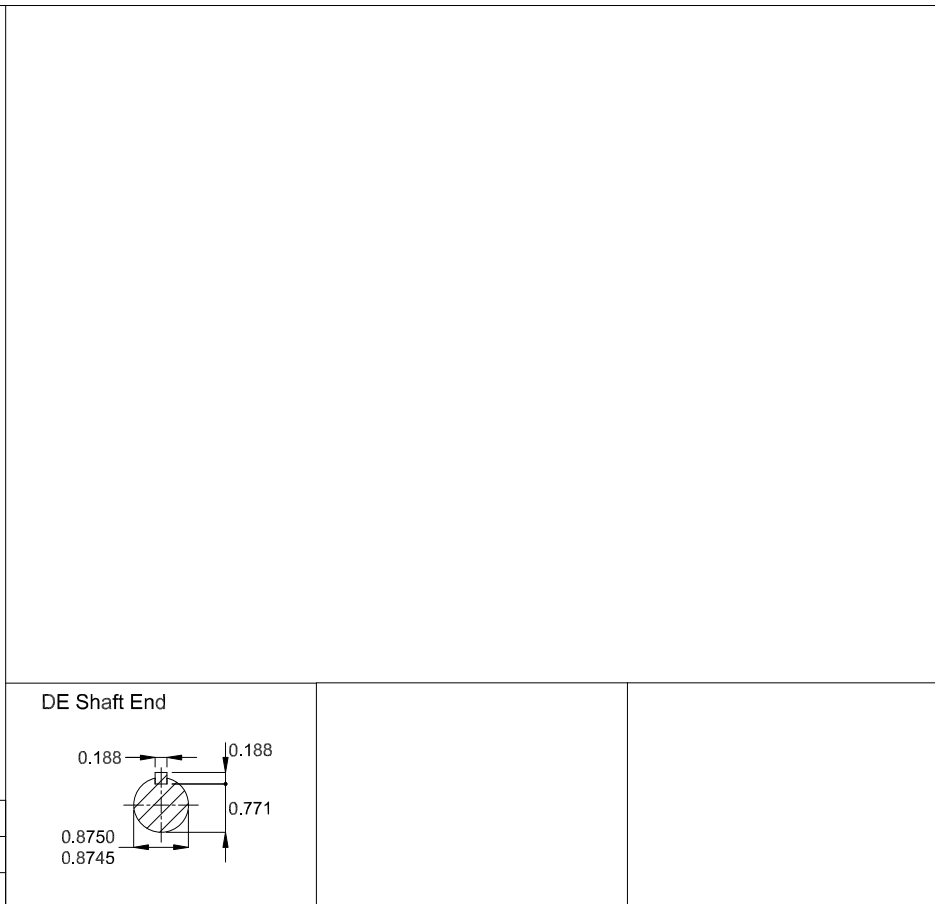


## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12438231			
		Catalog # :	00156ET3E143T-W22			
Frame	: 143/5T	Locked rotor time	: 37s (cold) 21s (hot)			
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K			
Poles	: 2	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	: 3.92/1.96 A	Protection degree	: IP55			
L. R. Amperes	: 34.9/17.4 A	Cooling method	: IC411 - TEFC			
LRC	: 8.9x(Code L)	Mounting	: F-1			
No load current	: 1.66/0.830 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 3480 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)			
Slip	: 3.33 %	Starting method	: Direct On Line			
Rated torque	: 2.24 ft.lb	Approx. weight <sup>3</sup>	: 44.5 lb			
Locked rotor torque	: 310 %					
Breakdown torque	: 370 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0470 sq.ft.lb					
Design	: B					
Output	50%	75%	100%			
Efficiency (%)	81.5	84.0	84.0			
Power Factor	0.68	0.78	0.84			
Foundation loads						
Max. traction : 51 lb						
Max. compression : 96 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)
17.7	13.3	12.1	9.8	5.6	3.8	2.4
Drive end			Non drive end			
Bearing type	:	6205 ZZ	:	6204 ZZ		
Sealing	:	V'Ring	:	V'Ring		
Lubrication interval	:	-	:	-		
Lubricant amount	:	-	:	-		
Lubricant type	:	Mobil Polyrex EM				
Notes						
USABLE @208V 4.20A SF 1.15 SFA 4.83A						
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	11/03/2025				1 / 1	



Color RAL 5009
Painting plan 207A
Mounting B3R(D)



1.5 HP 02 Poles 60 Hz										A	
Scale 1 : 4											
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 NEMA PREM. EFF.					PREVIEW				
CHECKED		FRAME 143/5T IP55 TEFC					WDD	00			
RELEASED							SHEET	1 / 1			
REL. DATE											



W22

MODEL 00156ET3E143T-W22

Inverter Duty Motor  
Severe Duty



Class I, Div 2, Gr A, B, C, D, 1.15SF - T3  
Class II, Zone 2, IIC, 1.15SF - T3  
Class I, Div 2, Gr F, G - T5  
60Hz: For use on PWM: Gr. A, B, C, D, F,  
G, VT 1000:1, CT 20:1, 1.00SF - T4A



FOR SAFE AREA  
Mod.TE1BFOXON  
CC029A

MADE IN MEXICO  
12438231

PH3 60Hz Fr. 143/5T 1000m.a.s.l. IP55 TEFC 44lb

V 230/460

A 3.92/1.96

HP 1.5

kW 1.1

SF 1.25

SFA 4.90/2.45

RPM 3480

PF 0.84

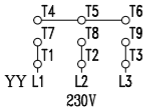
AMB 40°C

INS cl. F DT80K NEMA NOM EFF 84.0%

DUTY CONT.

DES B Code L

1.5HP 1.1kW 50Hz 380V 2.36A 2835RPM SF 1.25 SFA 2.95 EFF 81.5% (IE2)



MOBIL POLYREX EM