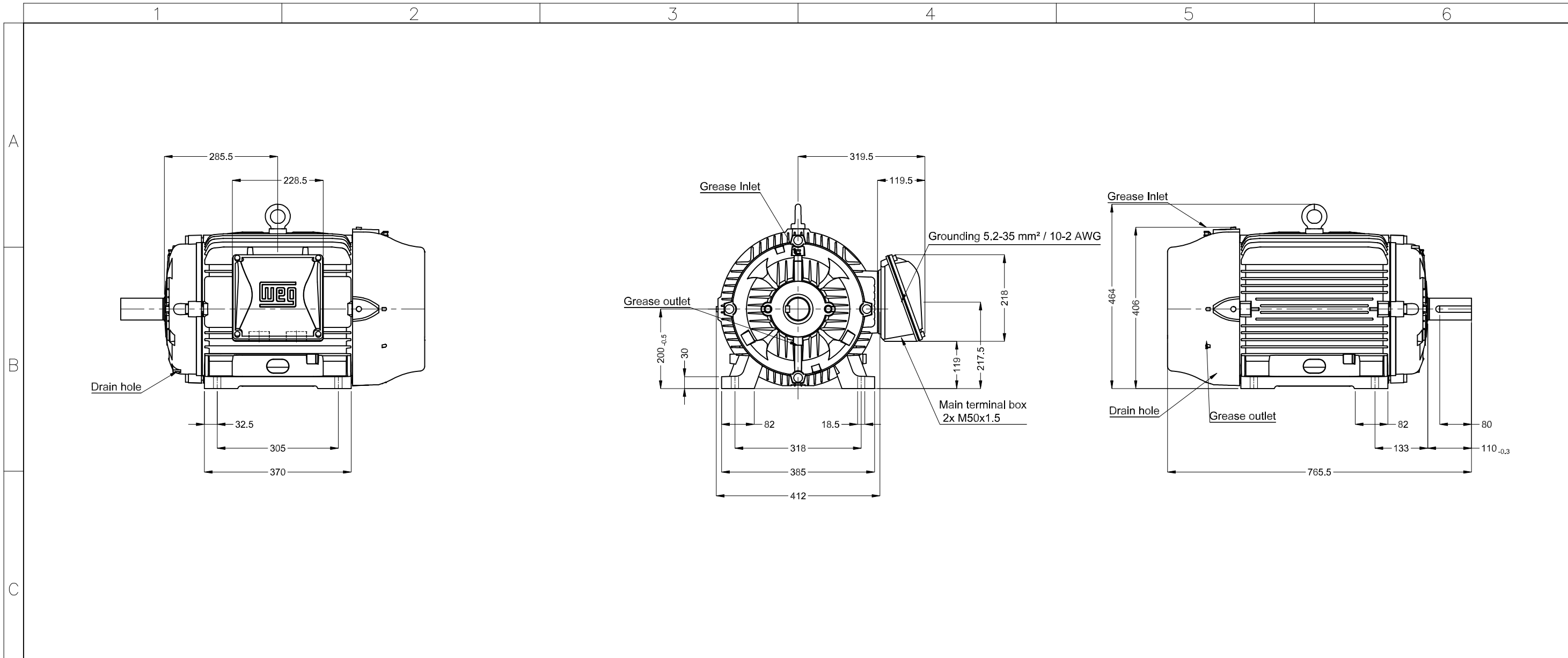


# DATA SHEET

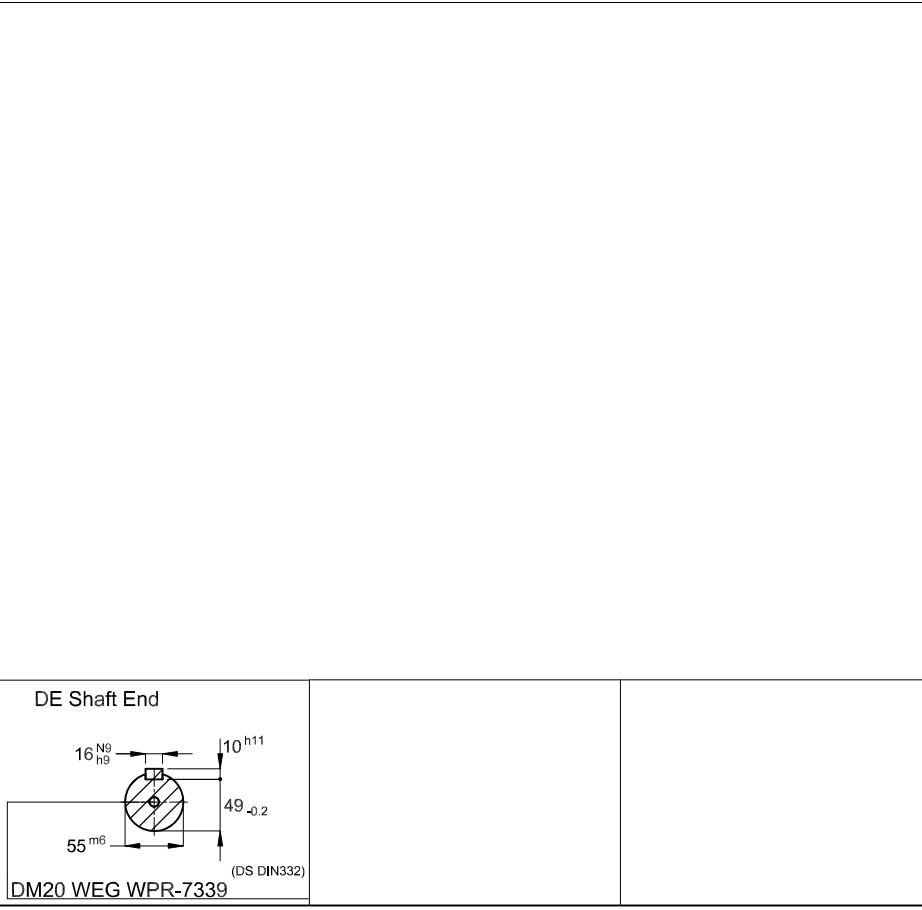


## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Tru-Metric IE3 Three-Phase		Product code :		11586869
				Catalog # :		01812ET3Y200L-W22
Frame	:	200L		Locked rotor time	:	45s (cold) 25s (hot)
Output	:	25 HP (18.5 kW)		Temperature rise	:	80 K
Poles	:	6		Duty cycle	:	S1
Frequency	:	60 Hz		Ambient temperature	:	-20°C to +40°C
Rated voltage	:	460 V		Altitude	:	1000 m.a.s.l.
Rated current	:	31.6 A		Protection degree	:	IP55
L. R. Amperes	:	224 A		Cooling method	:	IC411 - TEFC
LRC	:	7.1		Mounting	:	B3L(E)
No load current	:	15.4 A		Rotation <sup>1</sup>	:	Both (CW and CCW)
Rated speed	:	1184 rpm		Noise level <sup>2</sup>	:	62.0 dB(A)
Slip	:	1.33 %		Starting method	:	Direct On Line
Rated torque	:	111 ft.lb		Approx. weight <sup>3</sup>	:	516 lb
Locked rotor torque	:	270 %				
Breakdown torque	:	320 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	9.16 sq.ft.lb				
Design	:	N				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	91.0	91.7	93.0	Max. traction : 1102 lb		
Power Factor	0.61	0.73	0.79	Max. compression : 1618 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)
7.2	5.6	5.0	4.2	2.7	2.0	1.3
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 C3		6212 C3		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	21 g		13 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					Page	Revision
Date	11/03/2025				1 / 1	



Without vertical jackscrews  
 Color RAL 5009  
 Painting plan 203A  
 Mounting B3L(E)



25 HP 06 Poles 60 Hz		A	
Scale 1 : 10			
ECM	LOC	SUMMARY OF MODIFICATIONS	
EXECUTED	HYBRISUSER	EXECUTED	CHECKED
CHECKED		RELEASED	DATE
RELEASED			VER
REL. DATE			
THREE PH. MOTOR W22 IE3 FRAME 200L IP55 TEFC		HYBRISUSER	
PREVIEW		00	
WDD		00	
SHEET		1 / 1	

Dimensions in mm

A3

MADE IN BRAZIL  
11586869



Premium

W22 Tru-metric

MODEL 01812ET3Y200L-W22

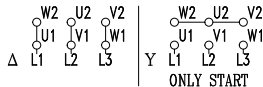
Inverter Duty Motor  
Severe Duty

FOR SAFE AREA  
Mod. TE1BFOX0\$  
CC029A

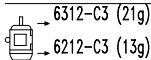


Class I, Div 2, Gr A, B, C and D - T3  
Class I, Zone 2, IIC - T3  
Class II, Div 2, Gr F and G - T4  
60Hz: For use on PWM: Gr. A, B, C, D and F,  
VT 1000:1, CT 20:1, 1.00SF - T3A

PH3 Fr. 200L DUTY CONT. IP55 DES N Code J IEC 60034-1  
516lb 1000m.a.s.l. INS cl. F DT 80K AMB 40°C SF 1.25//1.00



V	Hz	kW	HP	RPM	A	SFA	PF	IE code	NEMA NOM EFF $\eta$ 100%/75%/50%			
460 $\Delta$	-	60	18.5	25	1184	31.6	-	39.5	-	0.79	IE3	93.0/91.7/91.0
380 $\Delta$	-	50	18.5	25	979	37.2	-	37.2	-	0.82	IE3	92.2/92.4/92.2
415 $\Delta$	-	50	18.5	25	983	35.6	-	35.6	-	0.78	IE3	92.6/92.1/91.2
-	-	-	-	-	-	-	-	-	-	-	-	-



MOBIL POLYREX EM (20000h)

