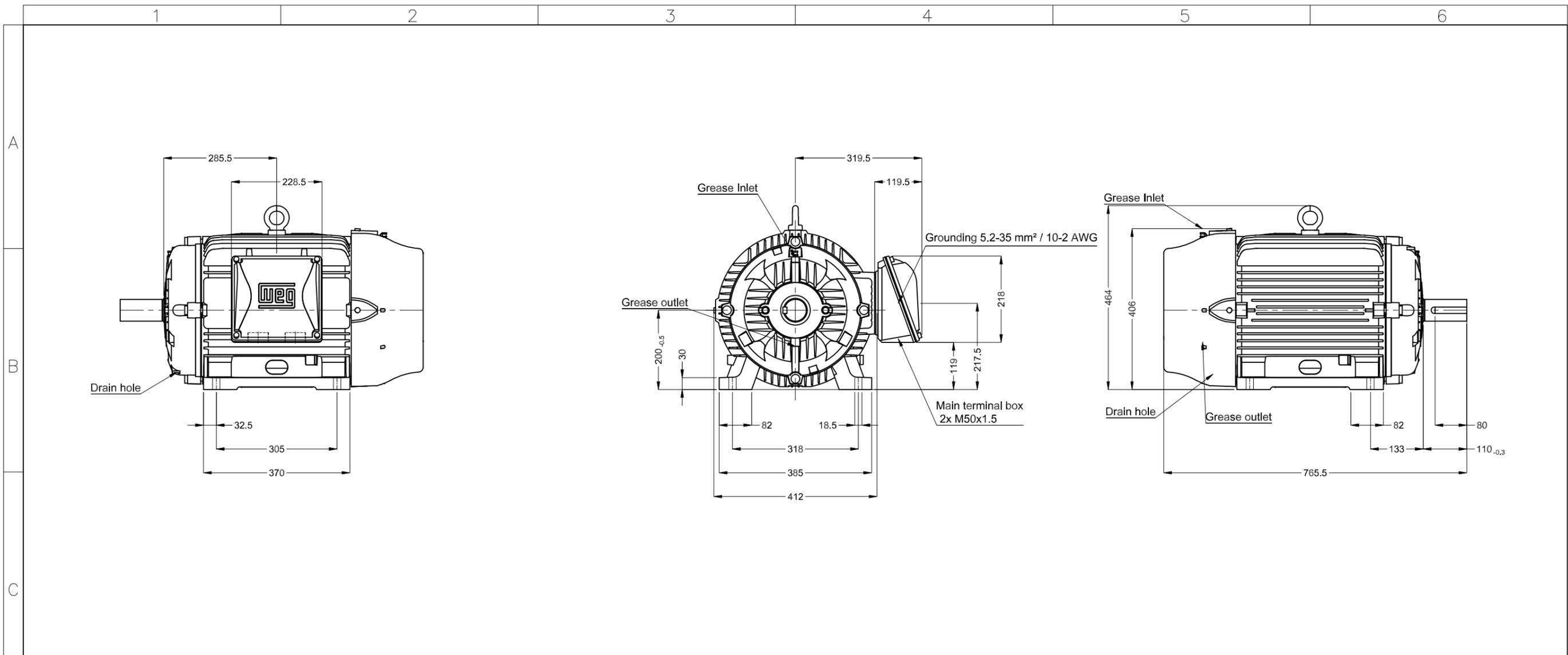


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Tru-Metric IE3 Three-Phase		Product code :		11567399
				Catalog # :		03036ET3Y200L-W22
Frame	:	200L		Locked rotor time	:	37s (cold) 21s (hot)
Output	:	40 HP (30 kW)		Temperature rise	:	80 K
Poles	:	2		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	:	47.6 A		Protection degree	:	IP55
L. R. Amperes	:	414 A		Cooling method	:	IC411 - TEFC
LRC	:	8.7		Mounting	:	B3L(E)
No load current	:	18.0 A		Rotation ¹	:	Both (CW and CCW)
Rated speed	:	3570 rpm		Noise level ²	:	76.0 dB(A)
Slip	:	0.83 %		Starting method	:	Direct On Line
Rated torque	:	58.8 ft.lb		Approx. weight ³	:	580 lb
Locked rotor torque	:	360 %				
Breakdown torque	:	360 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	4.44 sq.ft.lb				
Design	:	N				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.3	91.0	92.4	93.0	Max. traction	: 521 lb
Power Factor	0.47	0.73	0.81	0.85	Max. compression	: 1101 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)
7.0	4.8	4.1	4.5	2.4	1.8	1.0
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 C3		6212 C3		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	12000 h		15000 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	10/03/2025				1 / 1	



Without vertical jackscrews		DE Shaft End		40 HP 02 Poles 60 Hz		Scale 1 : 10		HYBRISUSER		00	
Color RAL 5009								EXECUTED		00	
Painting plan 203A		(DS DIN332)						CHECKED		DATE	
Mounting B3L(E)		DM20 WEG WPR-7339						RELEASED		VER	
								ECM		SUMMARY OF MODIFICATIONS	
								LOC		THREE PH. MOTOR W22 IE3	
								EXECUTED		FRAME 200L IP55 TEFC	
								CHECKED		PREVIEW	
								RELEASED		WDD 00	
								REL. DATE		SHEET 1 / 1	