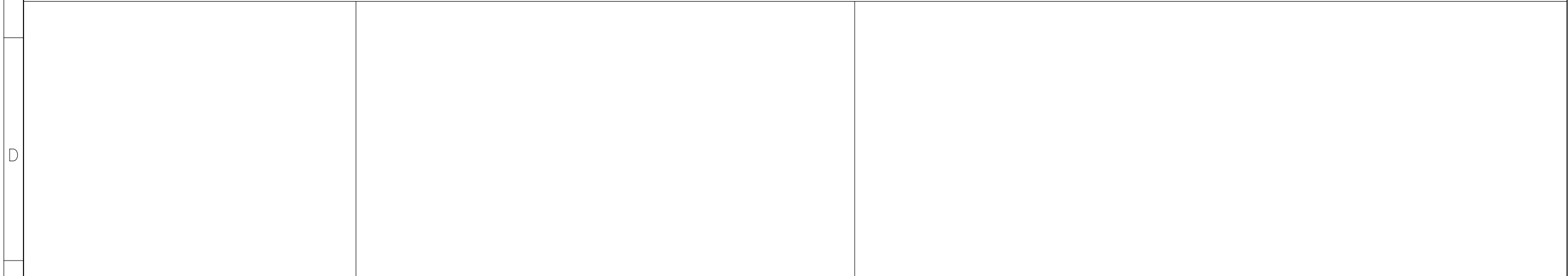
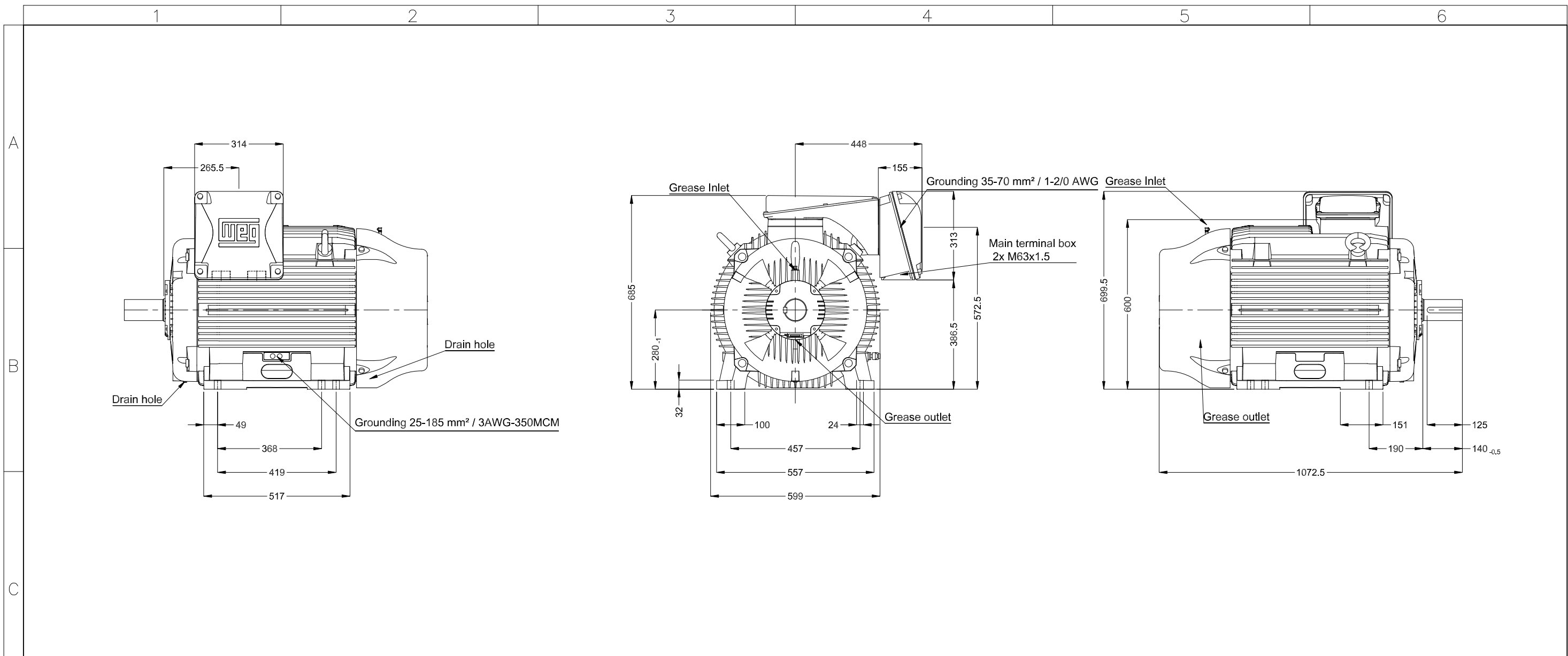


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 Tru-Metric IE3 Three-Phase	Product code :	11567172			
		Catalog # :	11018ET3Y280S/M-W22			
Frame	: 280S/M	Locked rotor time	: 57s (cold) 32s (hot)			
Output	: 150 HP (110 kW)	Temperature rise	: 80 K			
Poles	: 4	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	: 172 A	Protection degree	: IP55			
L. R. Amperes	: 1359 A	Cooling method	: IC411 - TEFC			
LRC	: 7.9	Mounting	: B3L(E)			
No load current	: 62.0 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1787 rpm	Noise level ²	: 73.0 dB(A)			
Slip	: 0.72 %	Starting method	: Direct On Line			
Rated torque	: 441 ft.lb	Approx. weight ³	: 1809 lb			
Locked rotor torque	: 250 %					
Breakdown torque	: 270 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 77.1 sq.ft.lb					
Design	: N					
Output	50%	75%	100%			
Efficiency (%)	94.5	95.4	95.8			
Power Factor	0.72	0.80	0.84			
Foundation loads						
Max. traction : 2269 lb						
Max. compression : 4078 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)
4.3	3.2	2.7	2.6	1.5	1.1	0.7
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6316 C3		6316 C3		
Sealing	:	WSeal		WSeal		
Lubrication interval	:	10000 h		10000 h		
Lubricant amount	:	34 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					Page	Revision
Date	10/03/2025				1 / 1	



Without vertical jackscrews		DE Shaft End		150 HP 04 Poles 60 Hz		Scale 1 : 14		HYBRISUSER		00	
Color RAL 5009								EXECUTED		00	
Painting plan 203A		DM20 WEG WPR-7339						CHECKED		DATE	
Mounting B3L(E)								RELEASED		VER	
								ECM		LOC	
								EXECUTED		THREE PH. MOTOR W22 IE3	
								CHECKED		FRAME 280S/M IP55 TEFC	
								RELEASED		PREVIEW	
								REL. DATE		WDD 00	
										SHEET 1 / 1	