

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Brake Motor NEMA Premium Efficiency Three-Phase		Product code :		14213926
Frame	:	284/6T		Locked rotor time	:	43s (cold) 24s (hot)
Output	:	25 HP (18.5 kW)		Temperature rise	:	80 K
Frequency	:	60 Hz		Duty cycle	:	Cont.(S1)
Rated voltage	:	575 V		Ambient temperature	:	-20°C to +40°C
Poles	:	4		Altitude	:	1000 m.a.s.l.
Rated current	:	23.6 A		Protection degree	:	IP55
	:	6.2x(Code G)		Cooling method	:	IC411 - TEFC
Rated speed	:	1770 rpm		Mounting	:	F-1
Rated torque	:	10.3 kgfm		Rotation ¹	:	Both (CW and CCW)
Insulation class	:	F		Noise level ²	:	63.0 dB(A)
Service factor	:	1.25		Starting method	:	Direct On Line
Moment of inertia (J)	:	0.2153 kgm ²		Approx. weight ³	:	214 kg
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	92.4	93.0	93.6	Max. traction	:	289 kgf
Power Factor	0.70	0.80	0.84	Max. compression	:	502 kgf
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)
6.8	5.8	5.3	3.1	2.2	1.4	1.0
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6311 C3		6211 C3		
Sealing	:	V'Ring		Lip Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	18 g		11 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.		
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Brake information

Voltage: 525-575 V
Brake Torque: 26.5 kgfm

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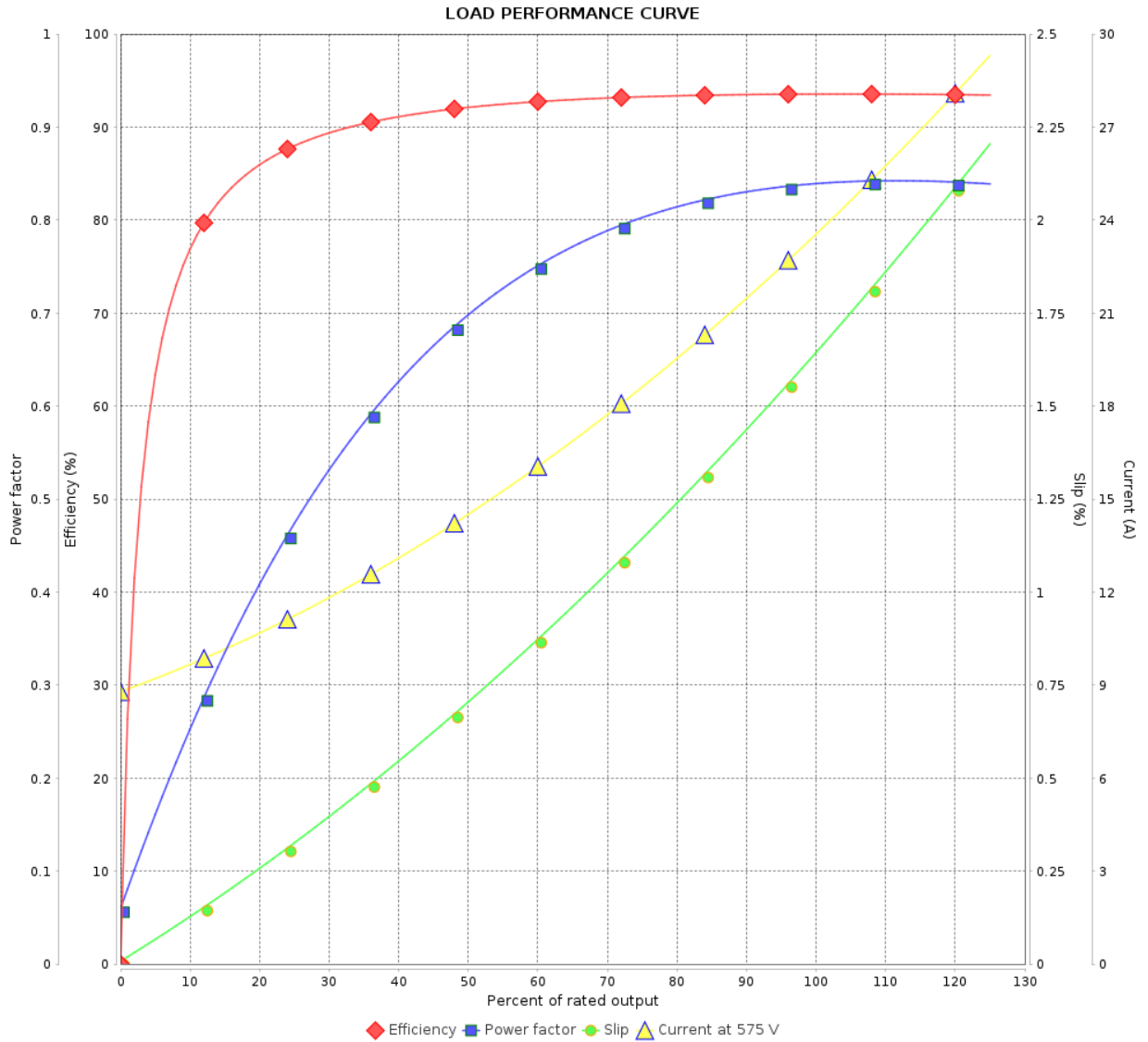
LOAD PERFORMANCE CURVE

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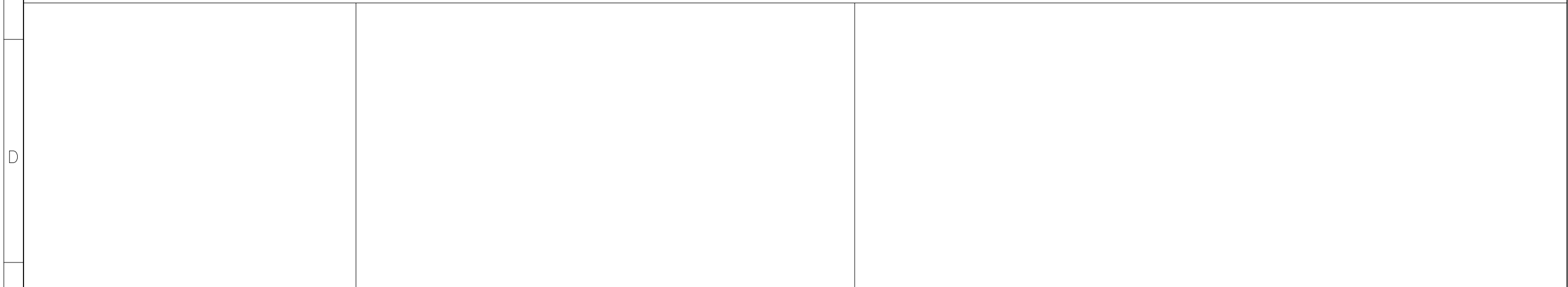
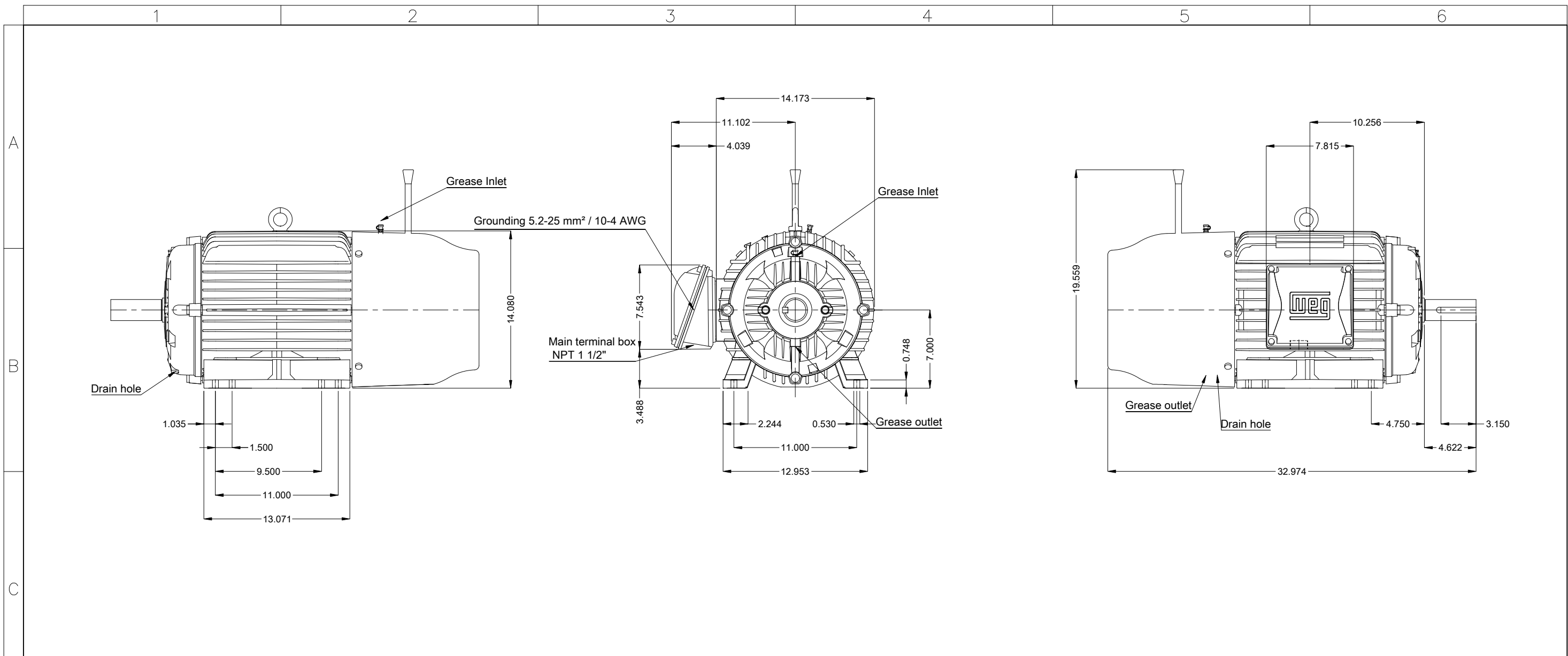


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Without vertical jackscrews		DE Shaft End		25 HP 04 Poles 60 Hz		Scale 1 : 9		HYBRISUSER		00	
Brake 20 (260 Nm)											
Brake voltage 525-575 V				ECM		LOC		SUMMARY OF MODIFICATIONS		EXECUTED	
Color RAL 5009											
Painting plan 203A											
Mounting NEMA F-1											
Mounting B3R(D)											
										THREE PH. MOTOR W22 BRAKE MOTOR NEMA PREM. EFF. FRAME 284/6T IP55 TEFC	
										PREVIEW	
										WDD 00	
										SHEET 1 / 1	