

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 15985051						
Frame	: 324/6T	Locked rotor time	: 41s (cold) 23s (hot)			
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K			
Poles	: 8	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 28.7 A	Protection degree	: IP55			
L. R. Amperes	: 149 A	Cooling method	: IC411 - TEFC			
LRC	: 5.2x(Code G)	Mounting	: F-1			
No load current	: 16.0 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 880 rpm	Noise level ²	: 56.0 dB(A)			
Slip	: 2.22 %	Starting method	: Direct On Line			
Rated torque	: 20.6 kgfm	Approx. weight ³	: 299 kg			
Locked rotor torque	: 200 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.5023 kgm ²					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	89.5	91.0	91.0	Max. traction	: 448 kgf	
Power Factor	0.51	0.64	0.71	Max. compression	: 746 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)
9.5	7.4	6.5	5.8	3.9	3.1	2.2
		<u>Drive end</u>	<u>Non drive end</u>			
Bearing type	:	6312 C3	6212 C3			
Sealing	:	V'Ring	Lip Seal			
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
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Checked by					Page	Revision
Date	22/10/2023				1 / 3	

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Customer : _____

Brake information

Voltage: 525-575 V
Brake Torque: 40.8 kgfm

Rev.	Changes Summary	Performed	Checked	Date
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Checked by			Page	Revision
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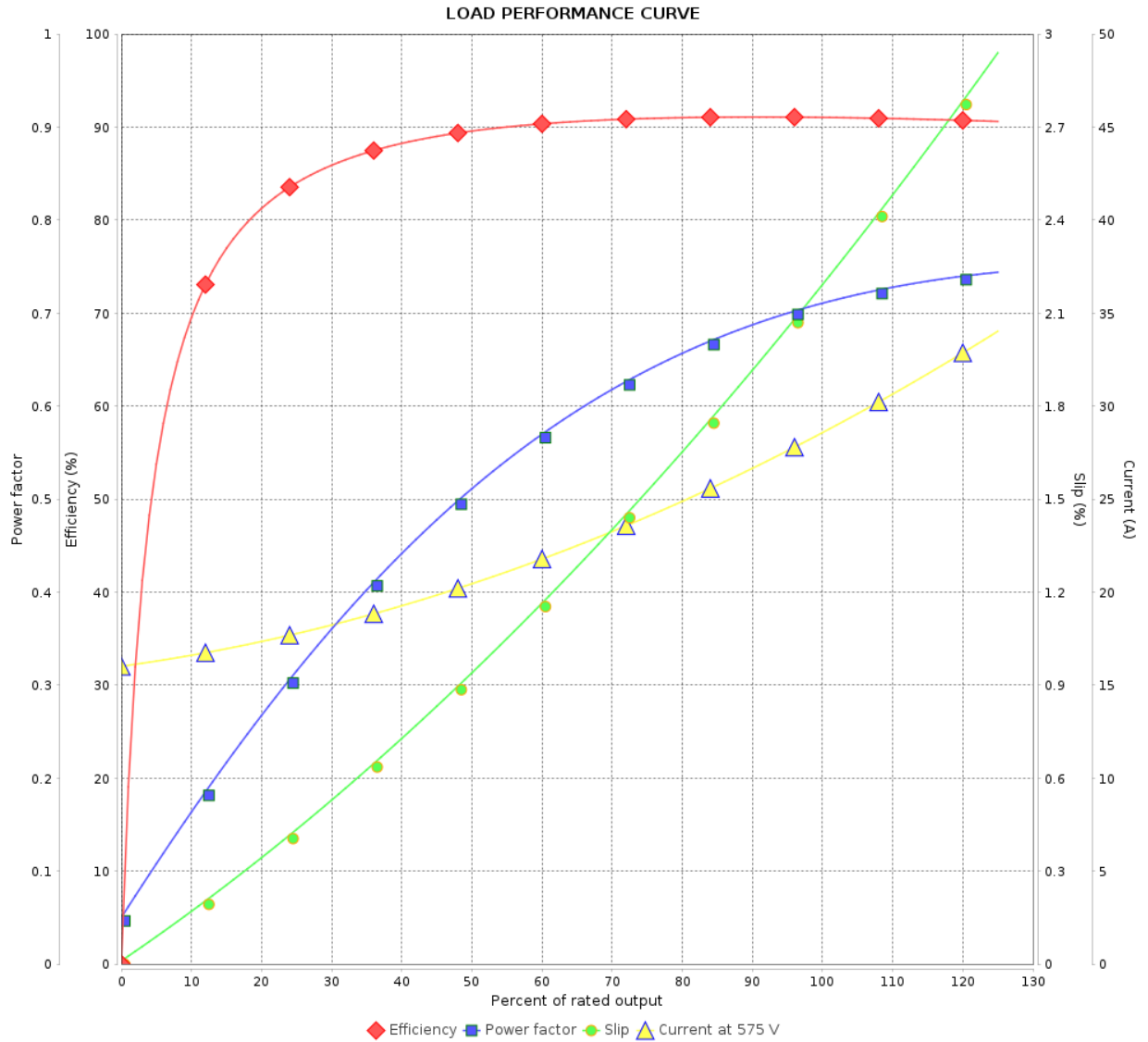
LOAD PERFORMANCE CURVE

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Customer : _____

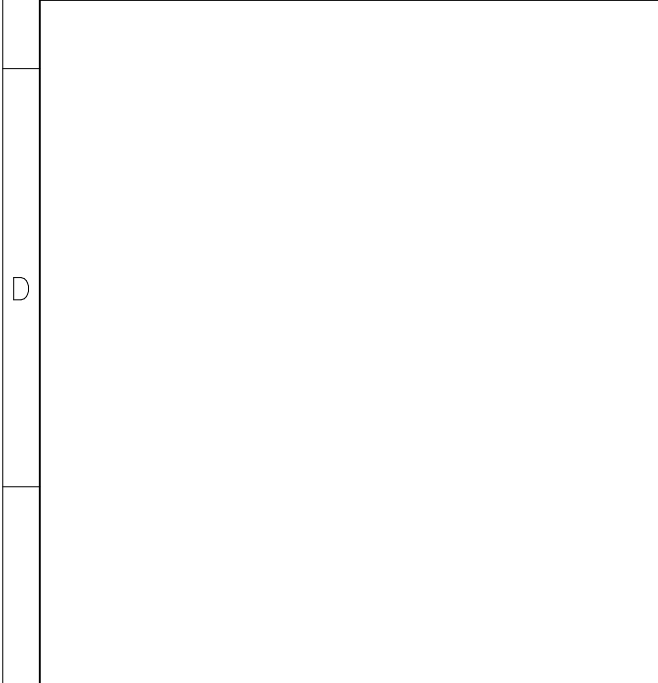
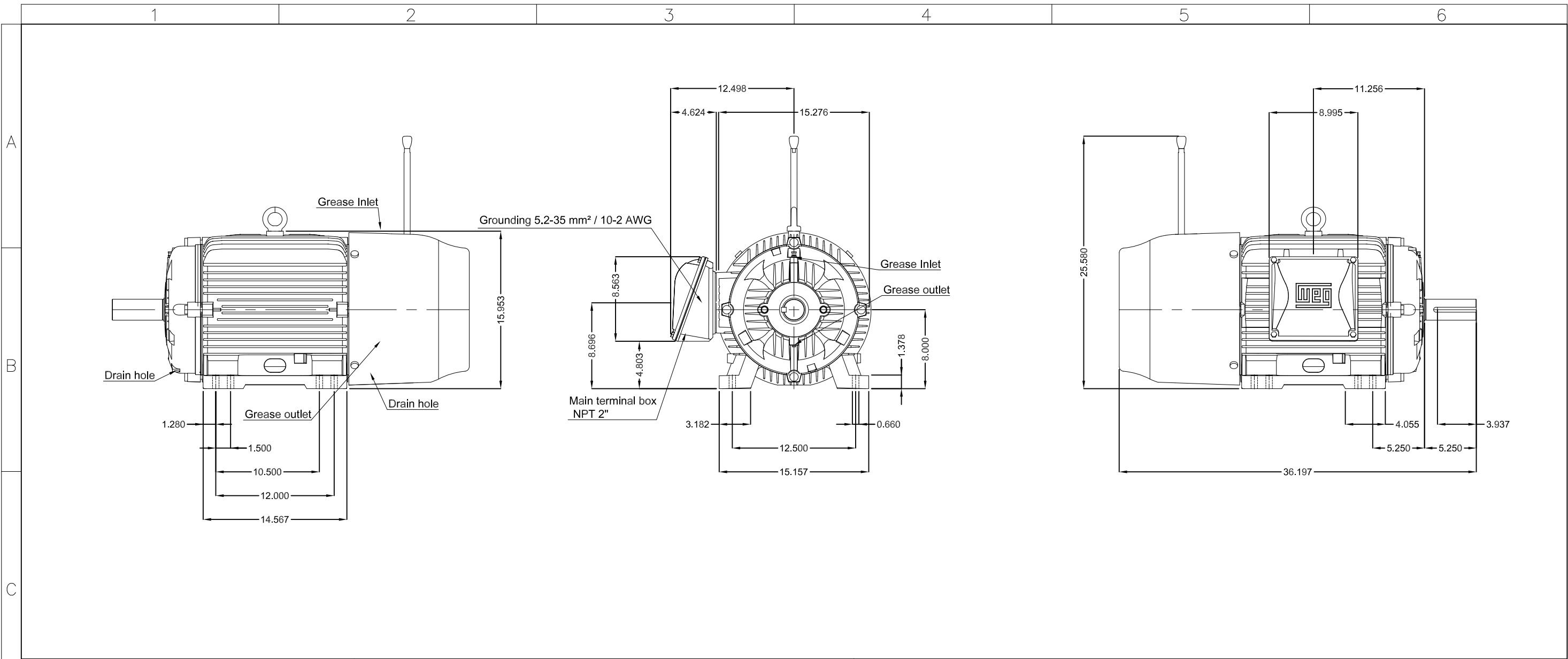
Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 15985051



Performance : 575 V 60 Hz 8P

Rated current	: 28.7 A	Moment of inertia (J)	: 0.5023 kgm ²
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 20.6 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 880 rpm	Design	: B

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Brake voltage 525-575 V
Break size 25 (400 Nm)
Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B3R(D)

25 HP 08 Poles 60 Hz	
ECM	LOC
EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SUMMARY OF MODIFICATIONS				HYBRISUSER	00
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 BRAKE MOTOR NEMA PREM. EFF.	EXECUTED	CHECKED	RELEASED
CHECKED		FRAME 324/6T IP55 TEFC	WDD	00	DATE
RELEASED			SHEET	/	VER
REL. DATE					

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