

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Brake Motor NEMA Premium Efficiency Three-Phase		Product code :		14532255
Frame	:	254/6TC		Locked rotor time	:	37s (cold) 21s (hot)
Output	:	15 HP (11 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	:	14.4 A		Protection degree	:	IP55
	:	6.4x(Code G)		Cooling method	:	IC411 - TEFC
Rated speed	:	1770 rpm		Mounting	:	F-1
Rated torque	:	6.15 kgfm		Rotation <sup>1</sup>	:	Both (CW and CCW)
Insulation class	:	F		Noise level <sup>2</sup>	:	64.0 dB(A)
Service factor	:	1.25		Starting method	:	Direct On Line
Moment of inertia (J)	:	0.1104 kgm <sup>2</sup>		Approx. weight <sup>3</sup>	:	152 kg
Design	:	B				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	91.0	91.7	92.4	Max. traction : 166 kgf	
Power Factor	0.00	0.68	0.78	0.83	Max. compression : 317 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)
8.1	7.0	6.5	3.9	2.8	1.8	1.3
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 C3		6209 C3		
Sealing	:	V'Ring		Lip Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	13 g		9 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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Customer : \_\_\_\_\_

### Brake information

Voltage: 525-575 V  
Brake Torque: 15.3 kgfm

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Date	12/05/2026			

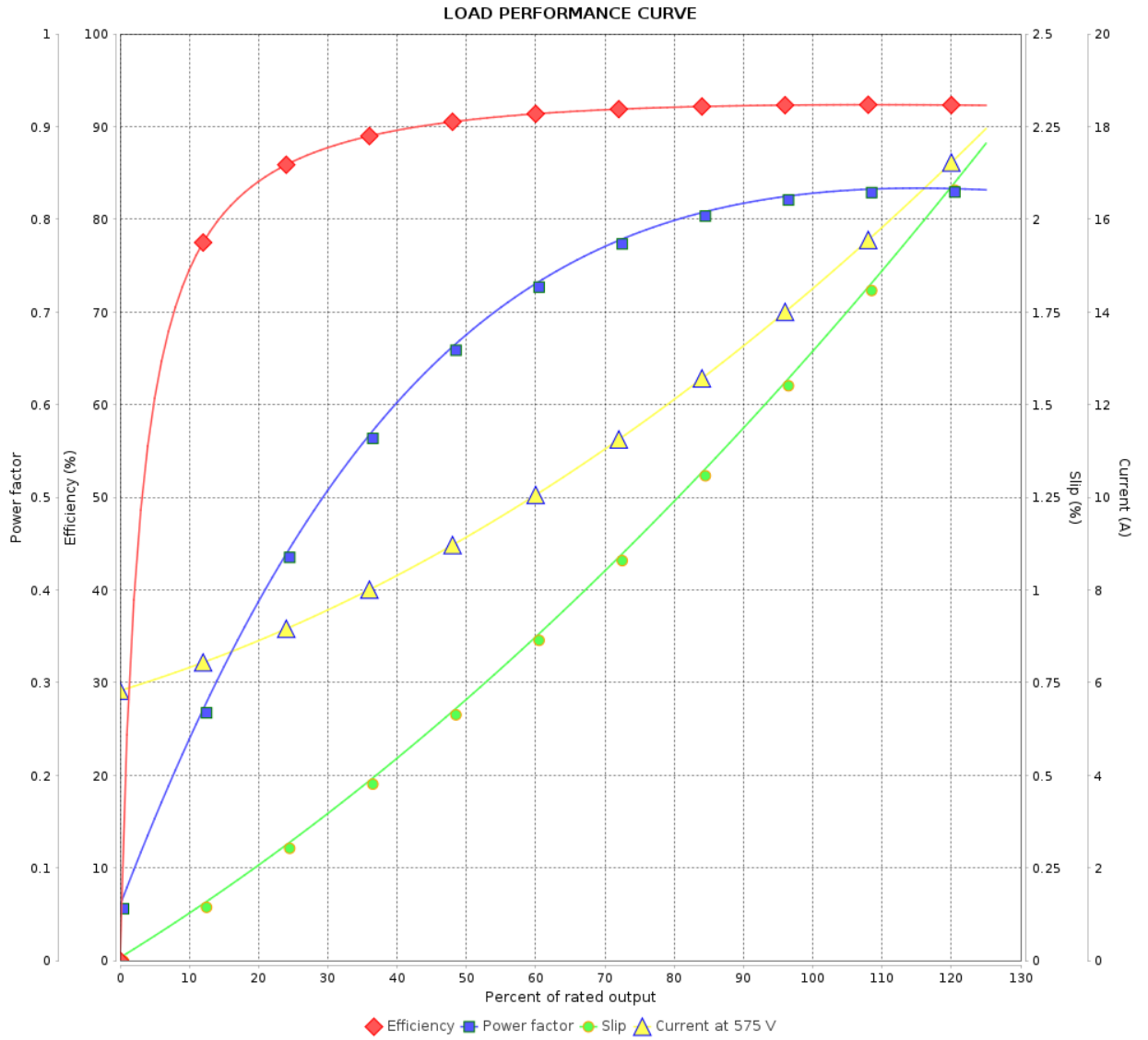
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

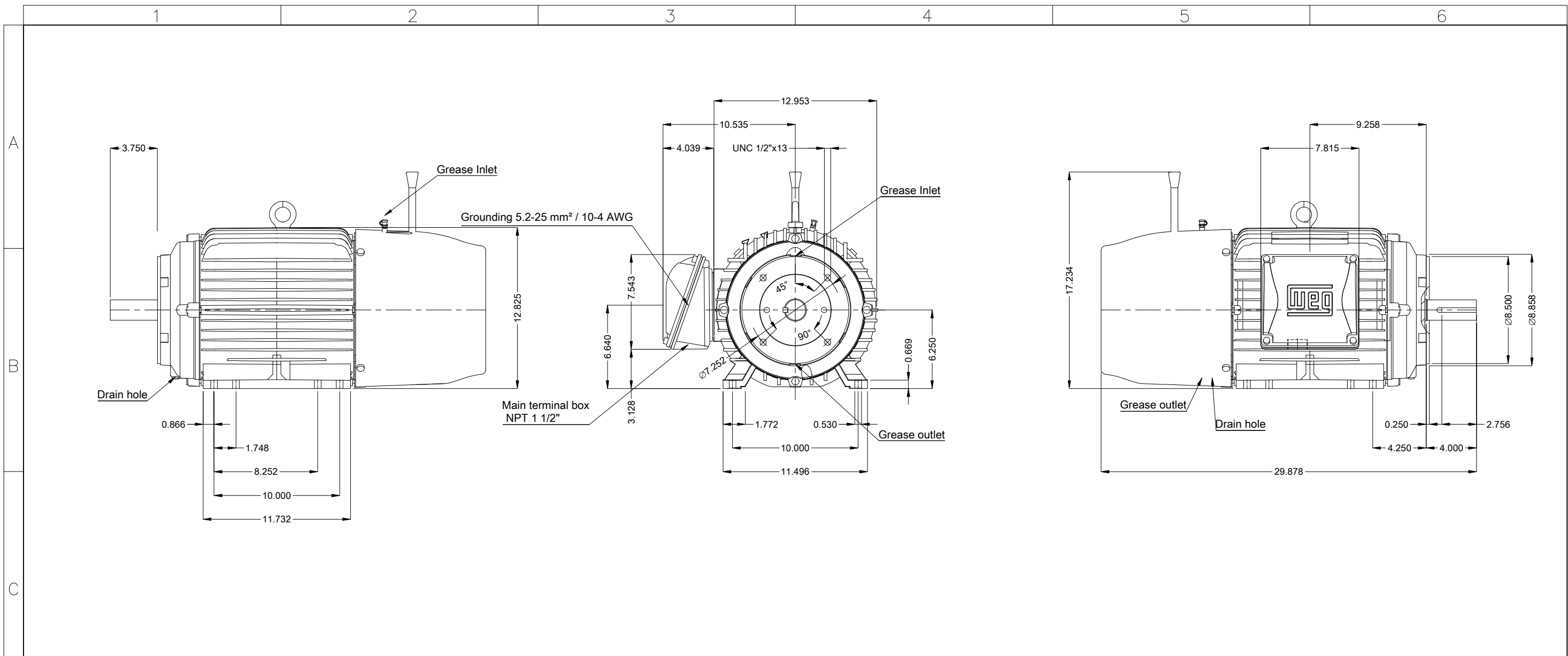


Customer :

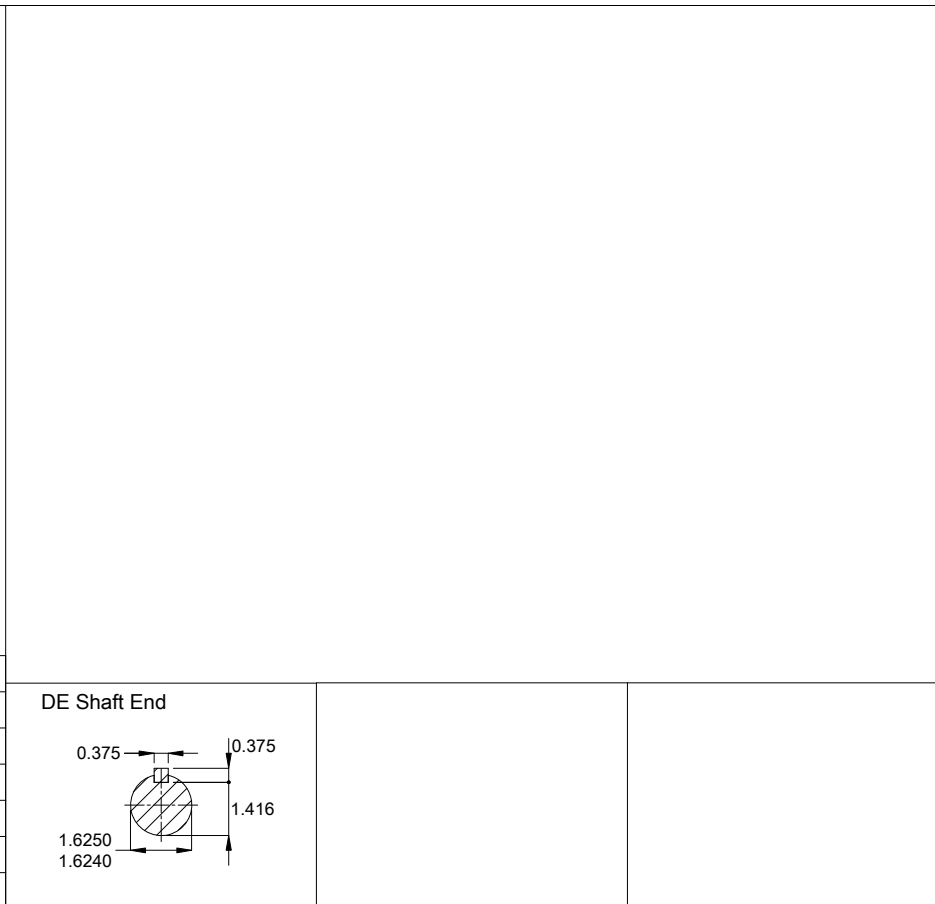
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Without vertical jackscrews
Break size 18 (150 Nm)
Brake voltage 525-575 V
Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B34D



15 HP 04 Poles 60 Hz										A
Scale 1 : 8										
HYBRISUSER										00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 BRAKE MOTOR NEMA PREM. EFF.				EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED		FRAME 254/6TC IP55 TEFC				EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED						EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE						EXECUTED	CHECKED	RELEASED	DATE	VER
						PREVIEW		WDD 00		
						SHEET 1 / 1				