

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 15793862

Frame	: 213/5T	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 28.8 A	Protection degree	: IP55
	: 9.0x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 1755 rpm	Mounting	: F-1
Rated torque	: 3.10 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 64.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0605 kgm ²	Approx. weight ³	: 74.0 kg

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	78.5	84.0	85.5	Max. traction : 135 kgf
Power Factor	0.00	0.95	0.96	0.97	Max. compression : 209 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 2RS	6206 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 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		Page Revision 1 / 2		
Checked by				
Date	11/05/2026			

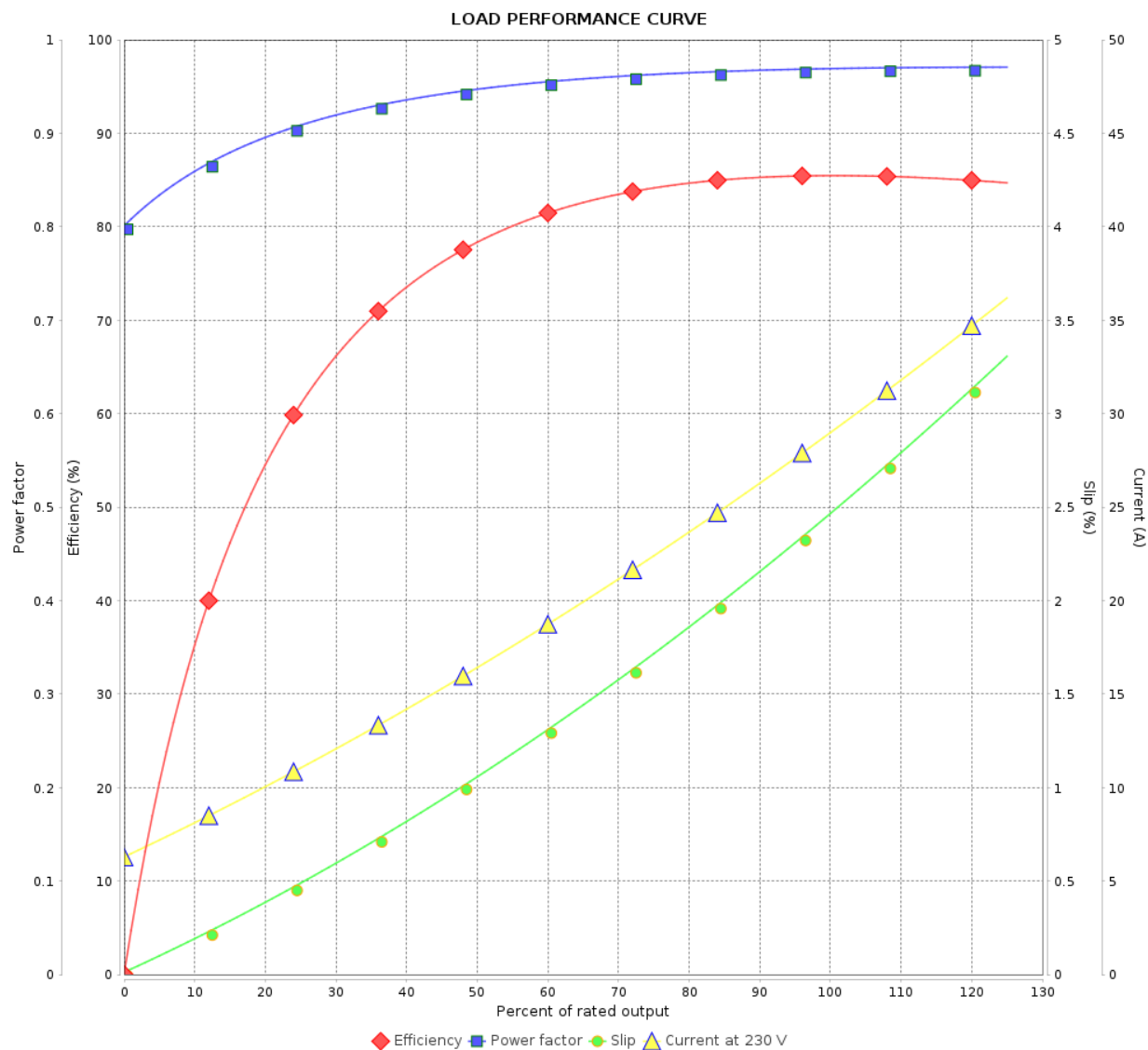
LOAD PERFORMANCE CURVE

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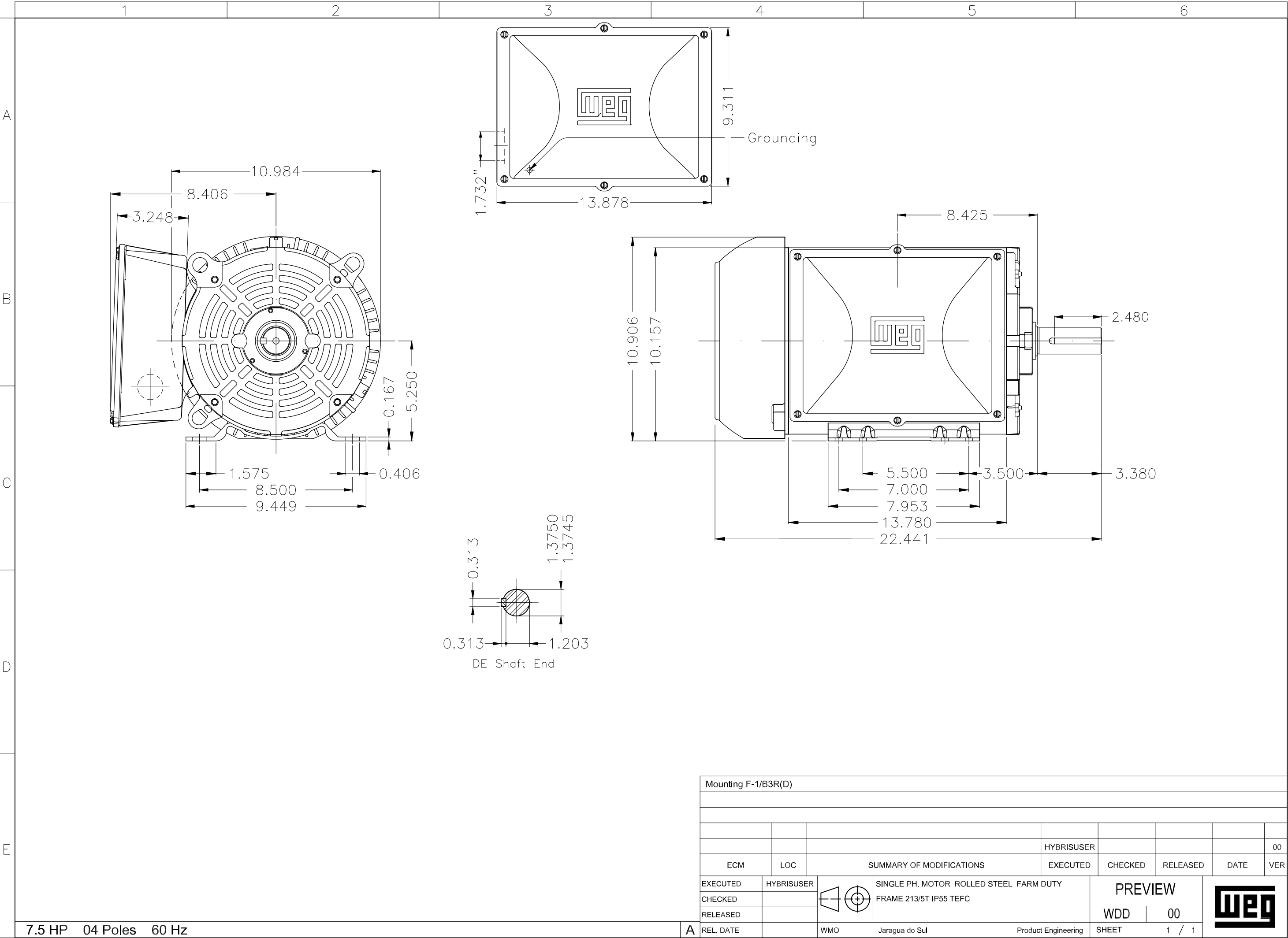


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Checked by				2 / 2	
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Mounting F-1/B3R(D)									
				HYBRISUSER					00
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR ROLLED STEEL FARM DUTY FRAME 213/5T IP55 TEFC			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE									
		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			