

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Close Coupled Pump JP Product code : 15858654
 NEMA Premium Efficiency Three-Phase

Frame	: 213/5JP	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 13.6 A	Protection degree	: IP55
L. R. Amperes	: 107 A	Cooling method	: IC411 - TEFC
LRC	: 7.9x(Code J)	Mounting	: F-1
No load current	: 4.64 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3520 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 2.22 %	Starting method	: Direct On Line
Rated torque	: 3.09 kgfm	Approx. weight ³	: 82.0 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0268 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	90.2	91.0	91.0	Max. traction	: 119 kgf
Power Factor	0.00	0.76	0.85	0.89	Max. compression	: 201 kgf

	Drive end	Non drive end
Bearing type	: 6309 Z C3	6207 ZZ
Sealing	: V'Ring	V'Ring
Lubrication interval	: 19000 h	0 h
Lubricant amount	: 13 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				
Checked by			Page	Revision
Date	24/10/2024		1 / 2	

LOAD PERFORMANCE CURVE

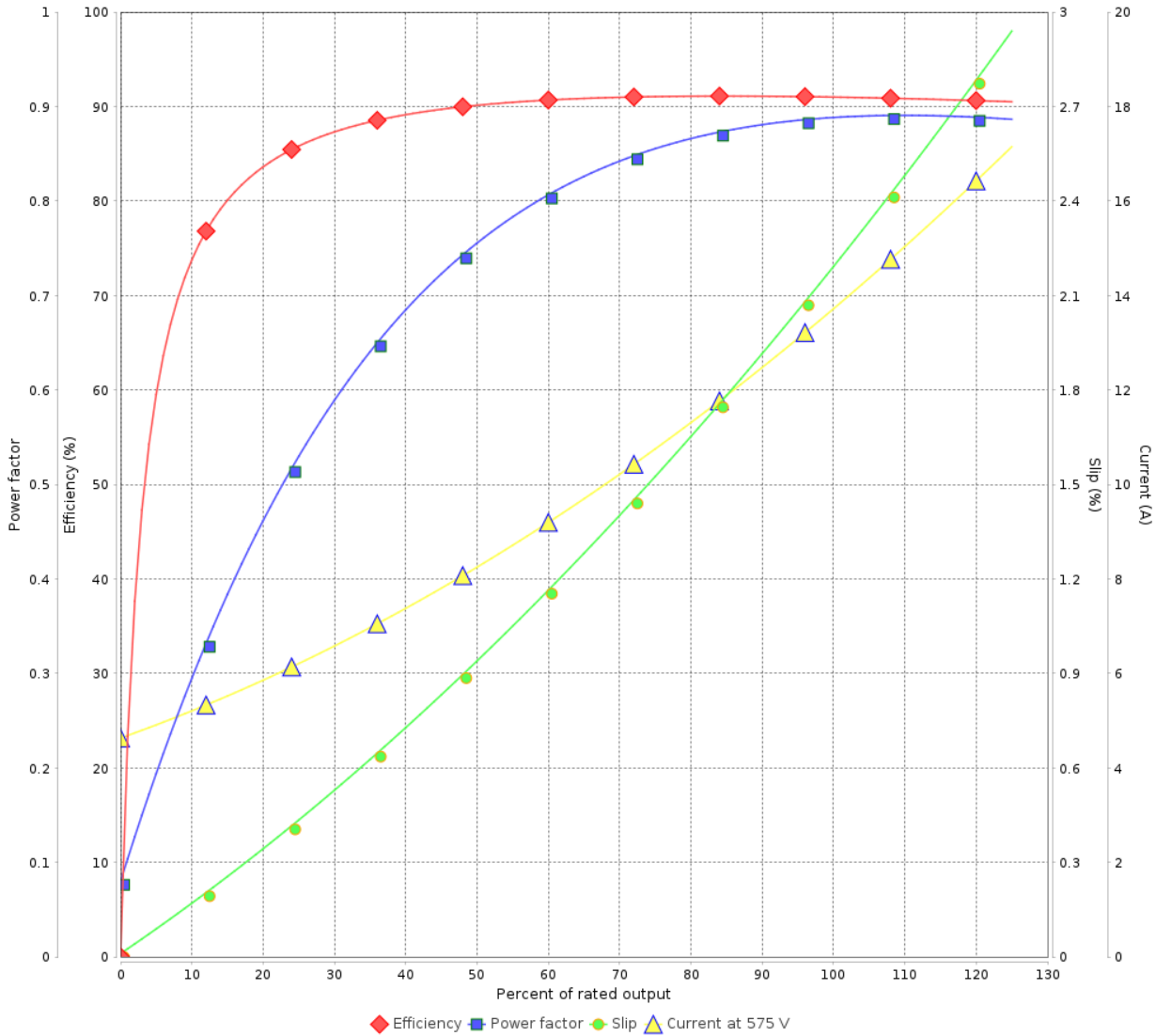
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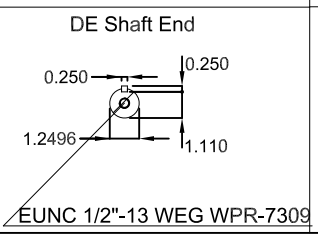
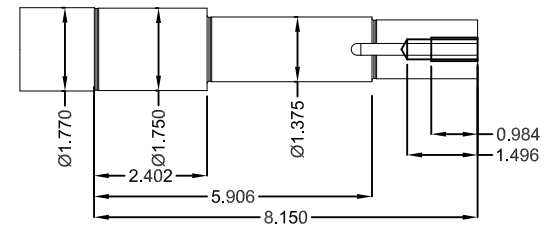
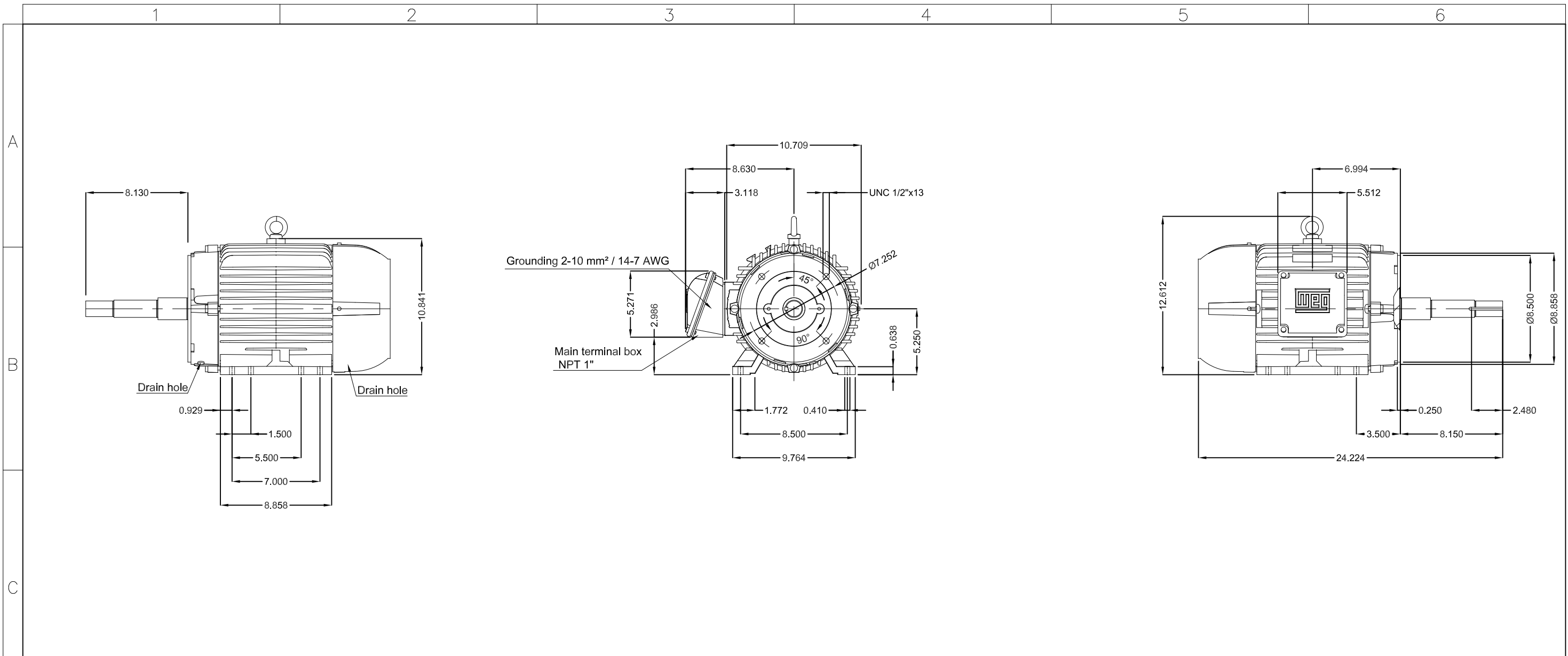
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Performance : 575 V 60 Hz 2P

Rated current	: 13.6 A	Moment of inertia (J)	: 0.0268 kgm ²
LRC	: 7.9	Duty cycle	: Cont.(S1)
Rated torque	: 3.09 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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Design B
 Color RAL 5009
 Painting plan 207A
 Mounting NEMA F-1
 Mounting B34R(D)

EUNC 1/2"-13 WEG WPR-7309

15 HP 02 Poles 60 Hz										A	
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR JM/JP/JET PUMP W22 NEMA PREM. EFF. FRAME 213/5JP IP55 TEFC					EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED							EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED							EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE							EXECUTED	CHECKED	RELEASED	DATE	VER
						PREVIEW WDD 00 SHEET /					