

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

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		Page 1 / 2 Revision		
Checked by				
Date	24/10/2024			

LOAD PERFORMANCE CURVE

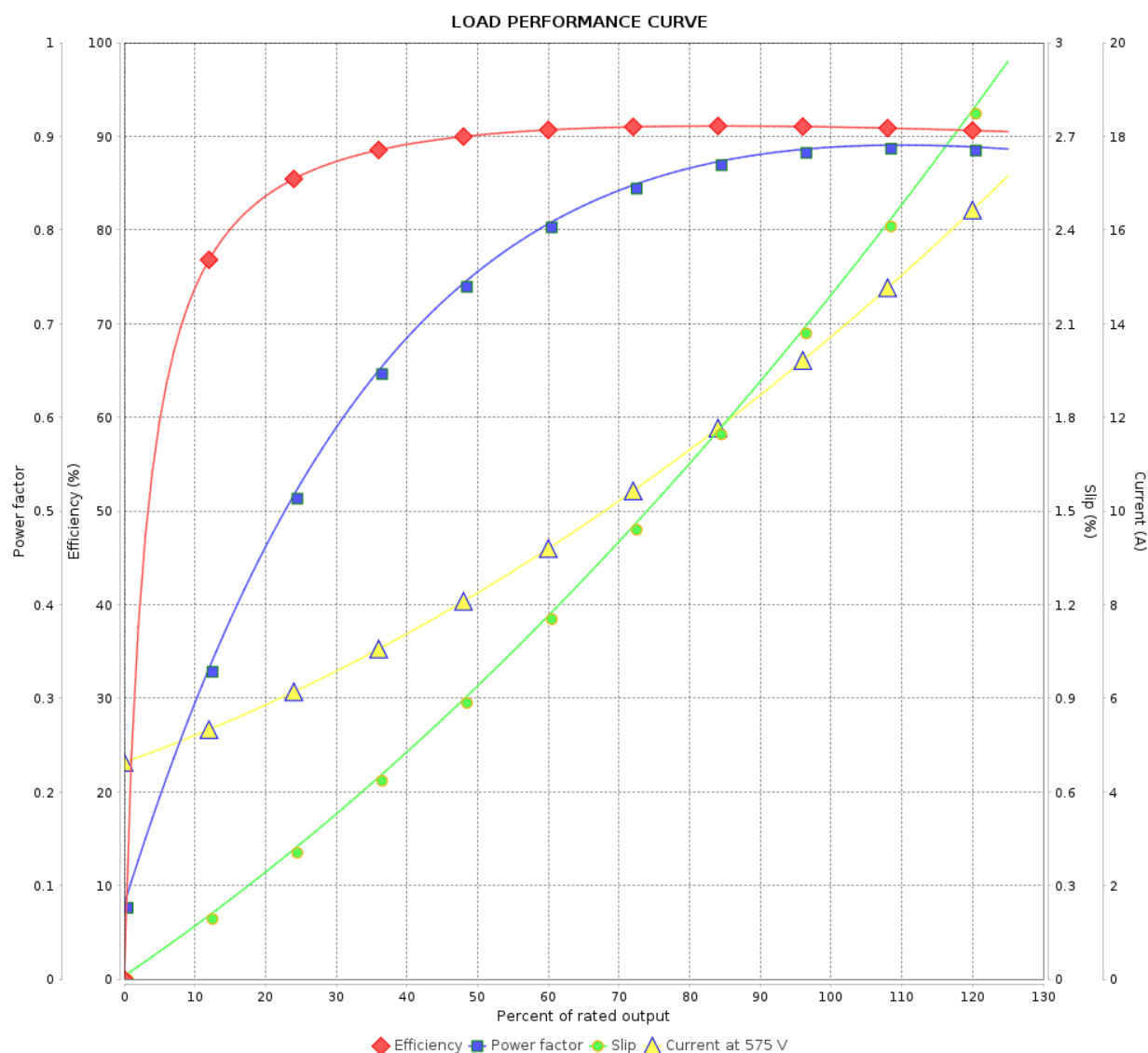
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NEMA Premium Efficiency Three-
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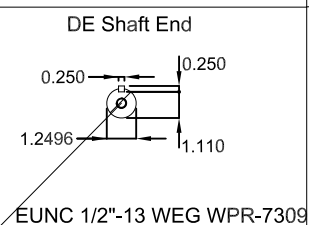
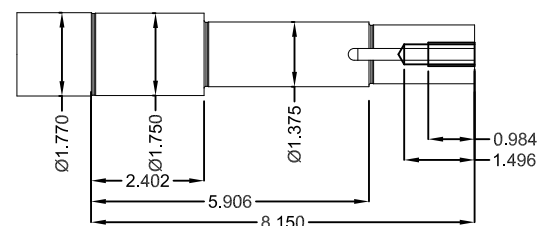
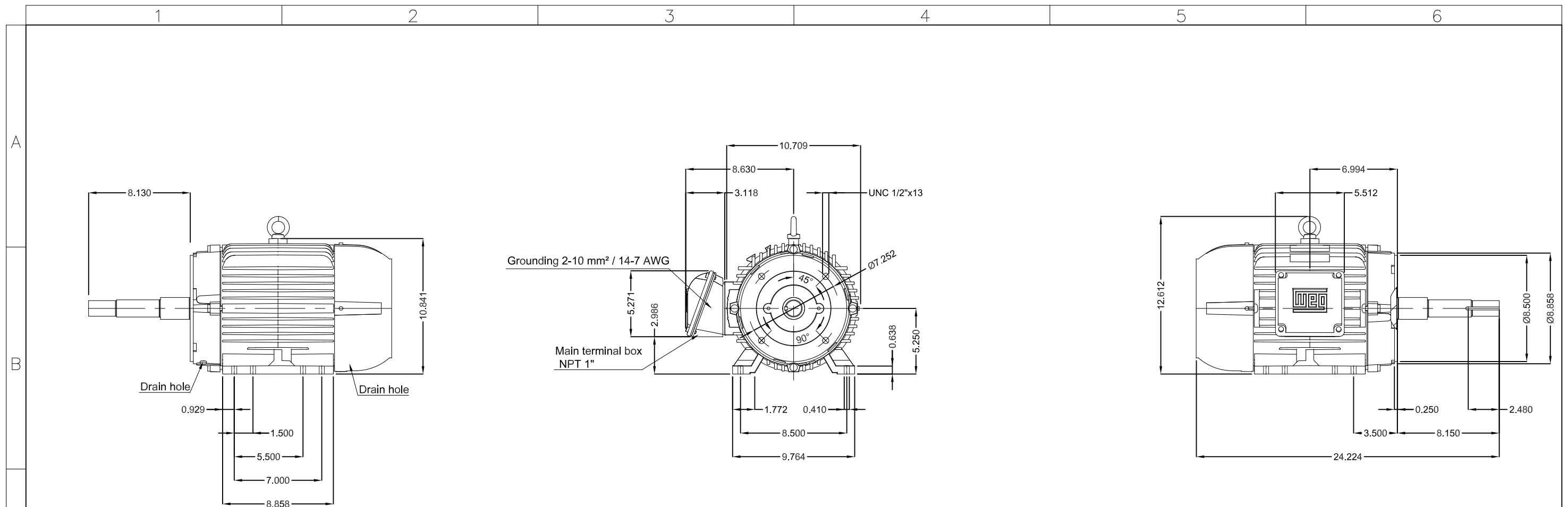


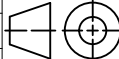
Performance : 575 V 60 Hz 2P

Rated current : 13.6 A
LRC : 7.9
Rated torque : 3.09 kgfm
Locked rotor torque : 240 %
Breakdown torque : 280 %
Rated speed : 3520 rpm

Moment of inertia (J) : 0.0268 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
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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			PREVIEW WDD 00 SHEET /					
CHECKED											
RELEASED											
REL. DATE											