

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

LOAD PERFORMANCE CURVE

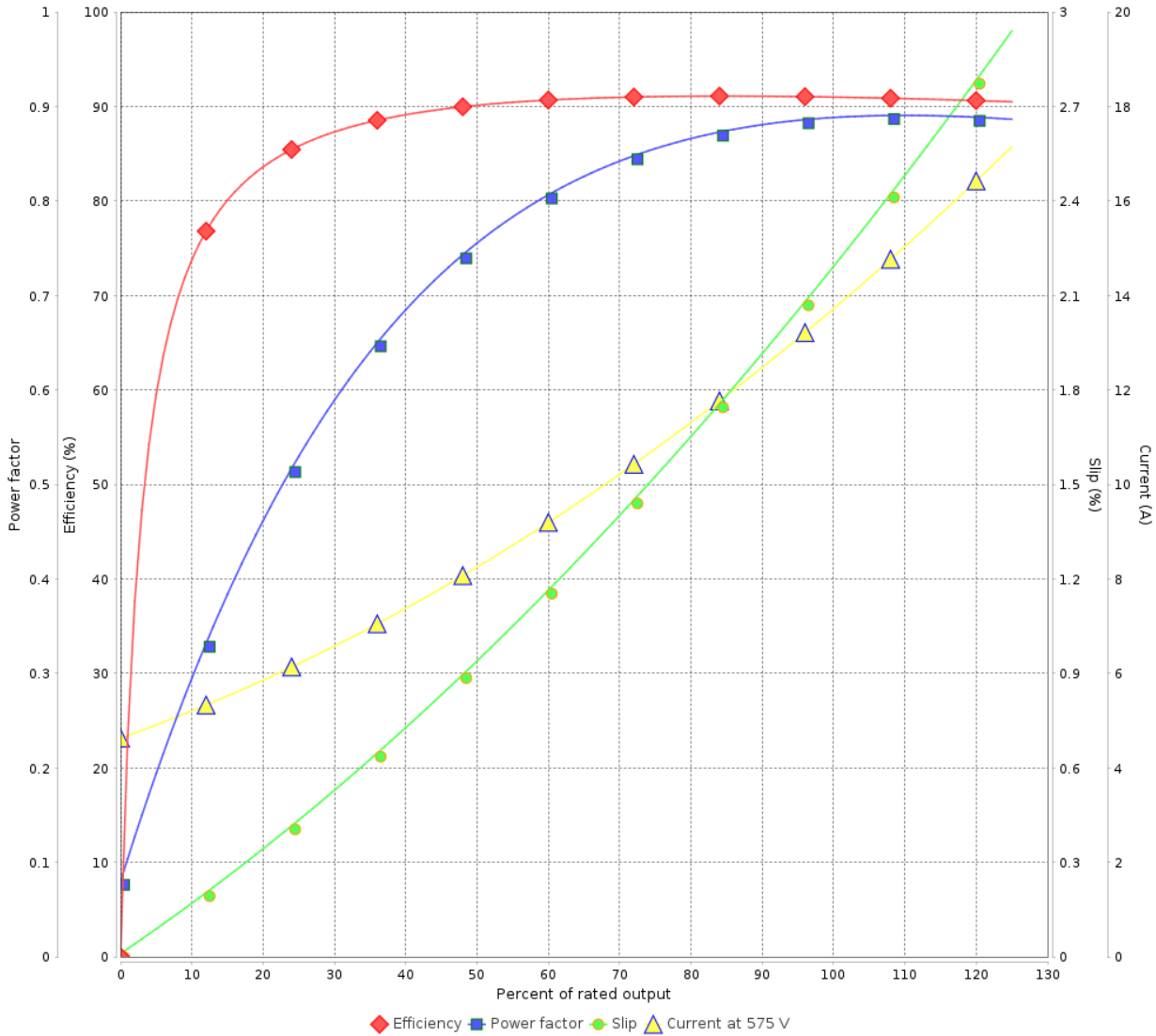
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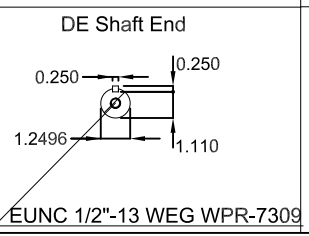
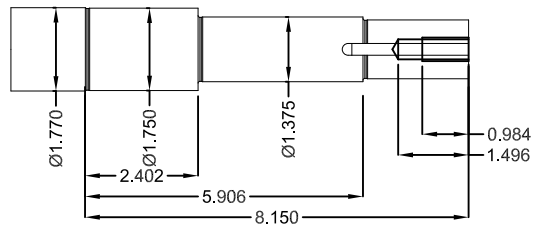
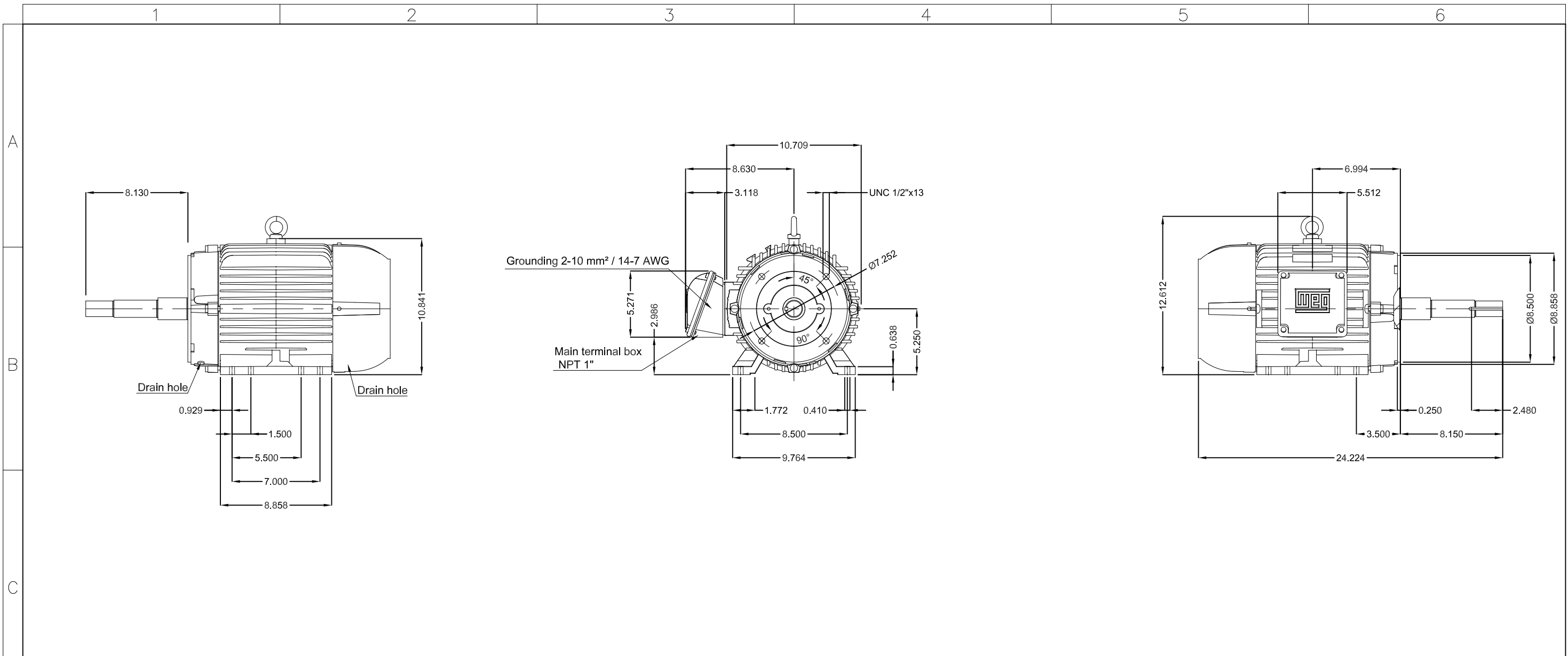
LOAD PERFORMANCE CURVE



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
Performed by			Page	Revision
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Date	24/10/2024			



Design B
 Color RAL 5009
 Painting plan 207A
 Mounting NEMA F-1
 Mounting B34R(D)

15 HP 02 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR JM/JP/JET PUMP W22 NEMA PREM. EFF.					00
CHECKED		FRAME 213/5JP IP55 TEFC					
RELEASED							
REL. DATE							

HYBRISUSER 00

PREVIEW

WDD | 00

SHEET /

Dimensions in inches

A3