

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 12032545	
Frame	: 324JP	Locked rotor time	: 50s (cold) 28s (hot)		
Output	: 40 HP (30 kW)	Temperature rise	: 80 K		
Poles	: 4	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	: 38.6 A	Protection degree	: IP23		
L. R. Amperes	: 239 A	Cooling method	: IC01 - ODP		
LRC	: 6.2x(Code G)	Mounting	: W-6		
No load current	: 14.8 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1775 rpm	Noise level ²	: 64.0 dB(A)		
Slip	: 1.39 %	Starting method	: Direct On Line		
Rated torque	: 16.4 kgfm	Approx. weight ³	: 219 kg		
Locked rotor torque	: 220 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.2551 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	93.6	94.1	94.1	Max. traction : 364 kgf	
Power Factor	0.68	0.78	0.83	Max. compression : 583 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6312 Z C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	21 g	13 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	14/01/2024			1 / 2	

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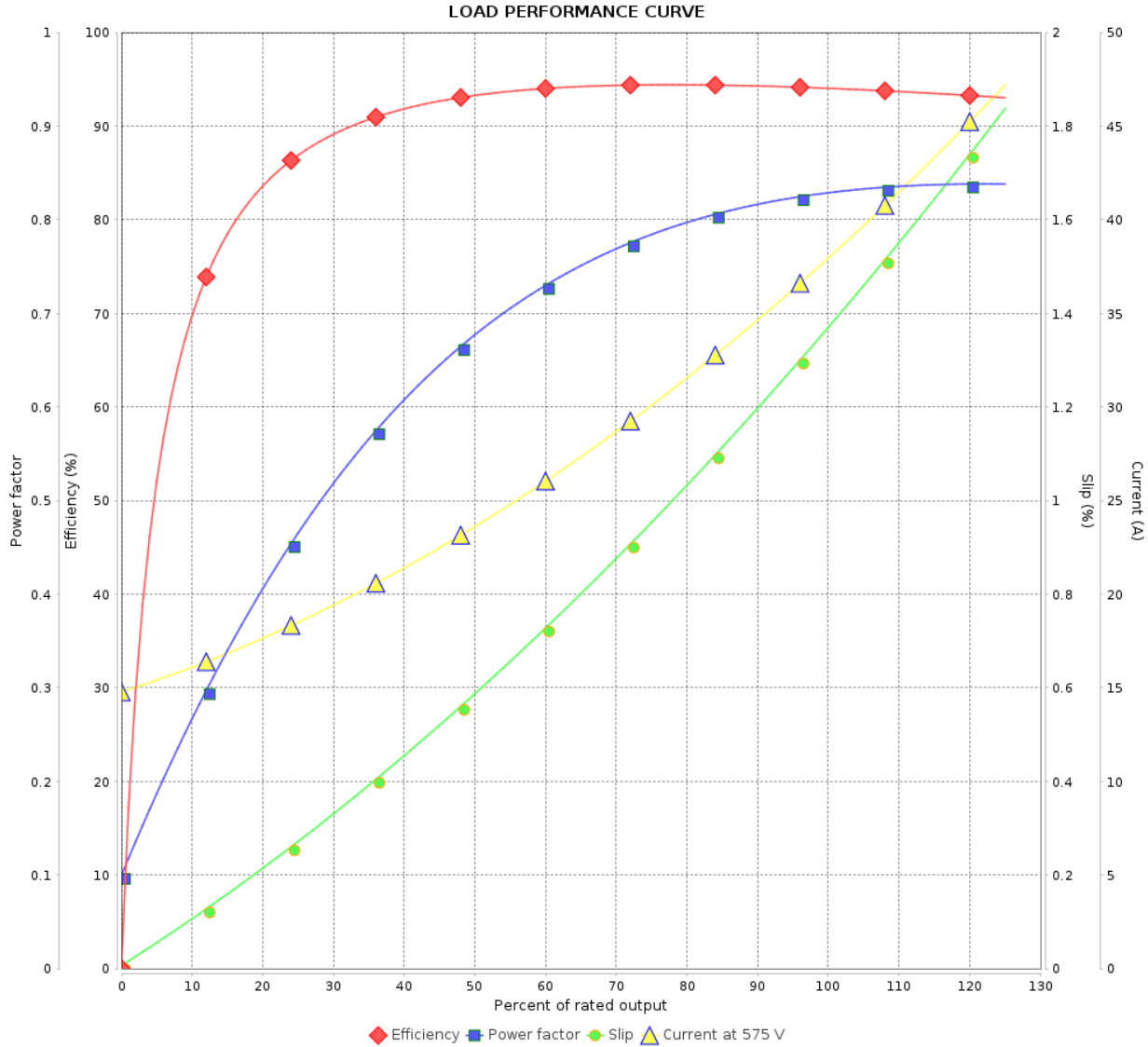
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Product line : Close Coupled Pump NEMA Premium
Efficiency Three-Phase

Product code : 12032545



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 Locked rotor torque : 220 %
 Breakdown torque : 229 %
 Rated speed : 1775 rpm

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 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
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Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	24/10/2024			1 / 2	

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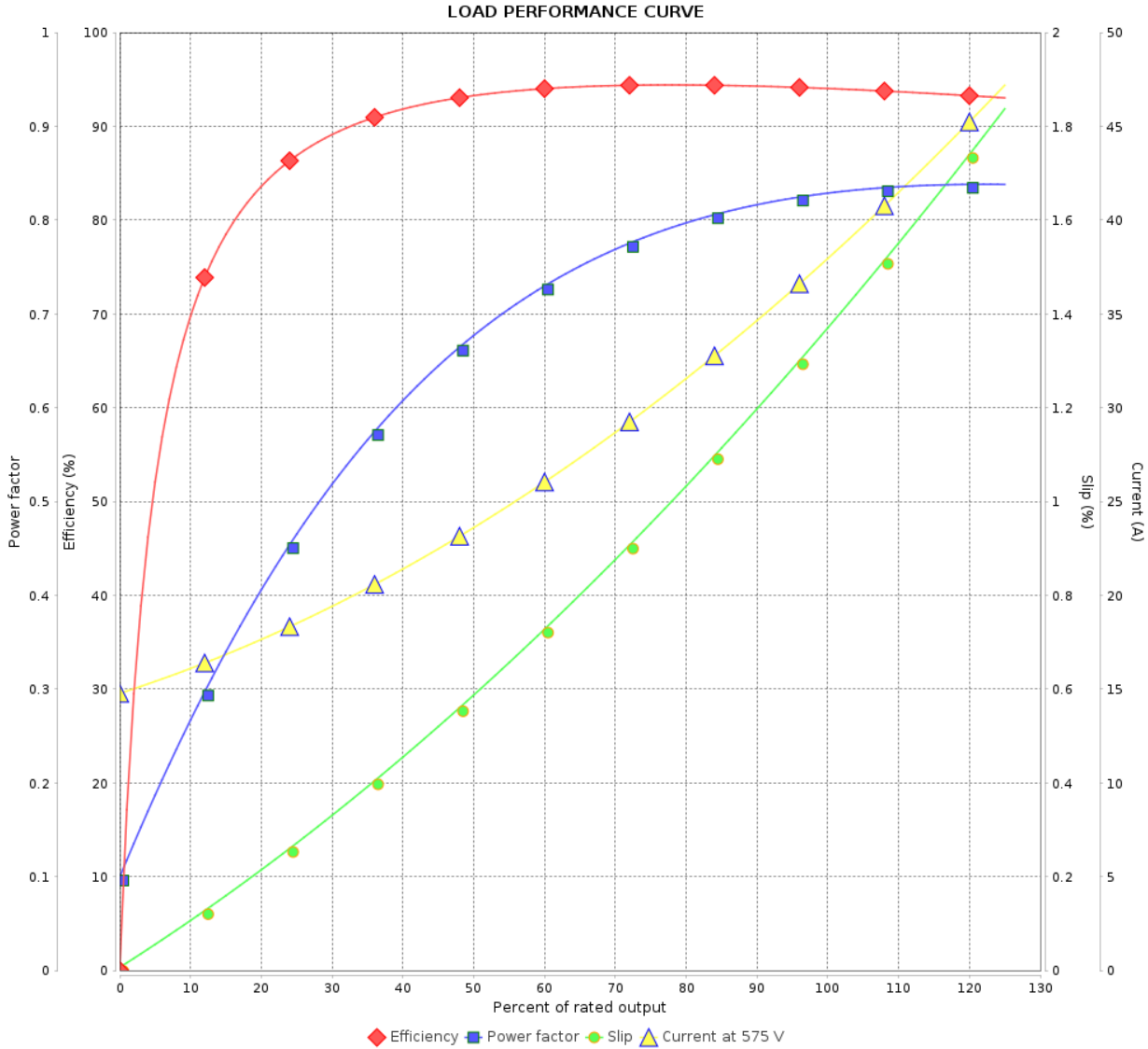
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Premium Efficiency Three-Phase

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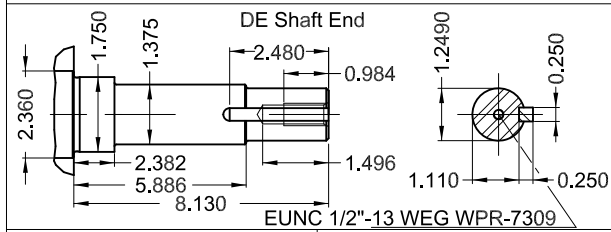
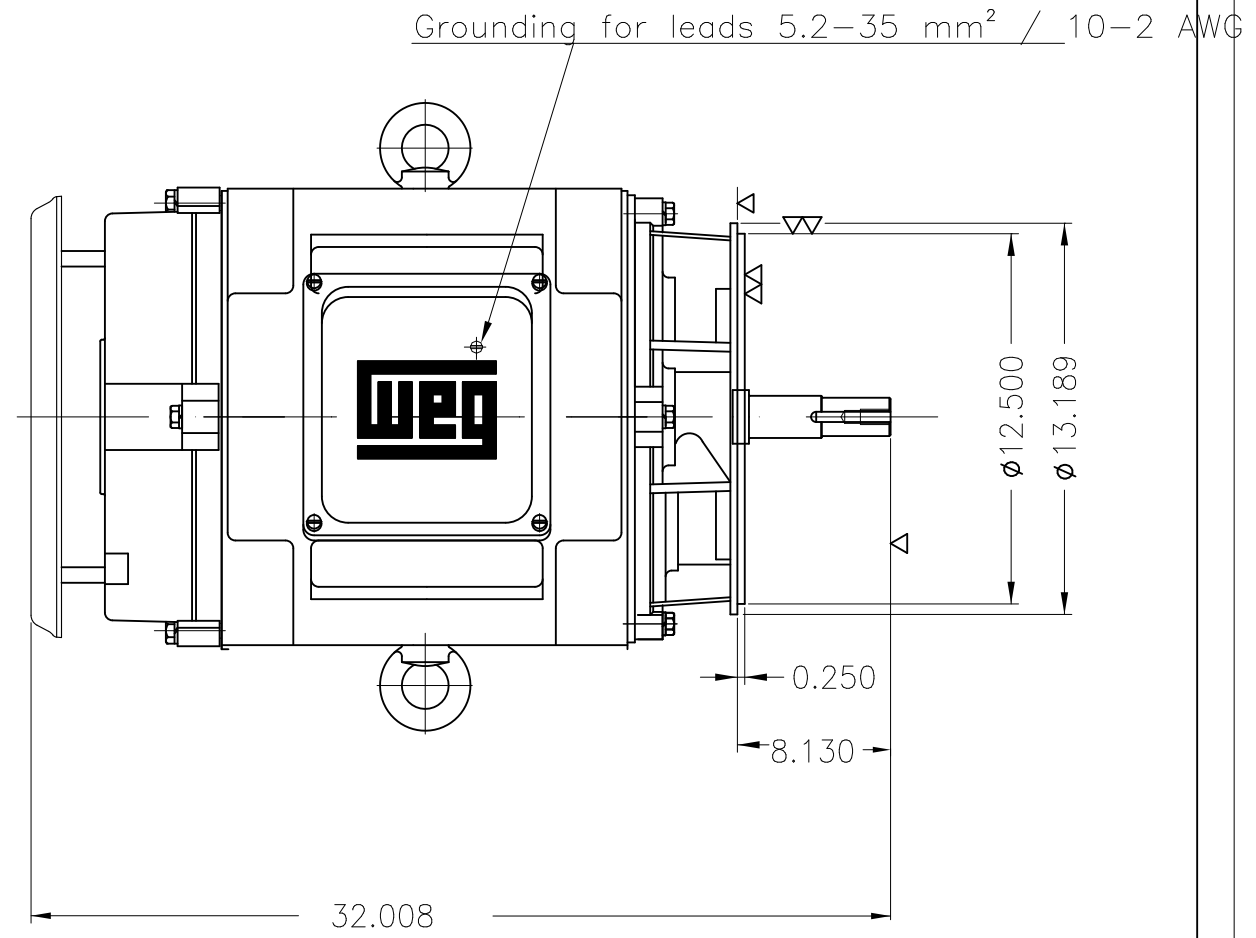
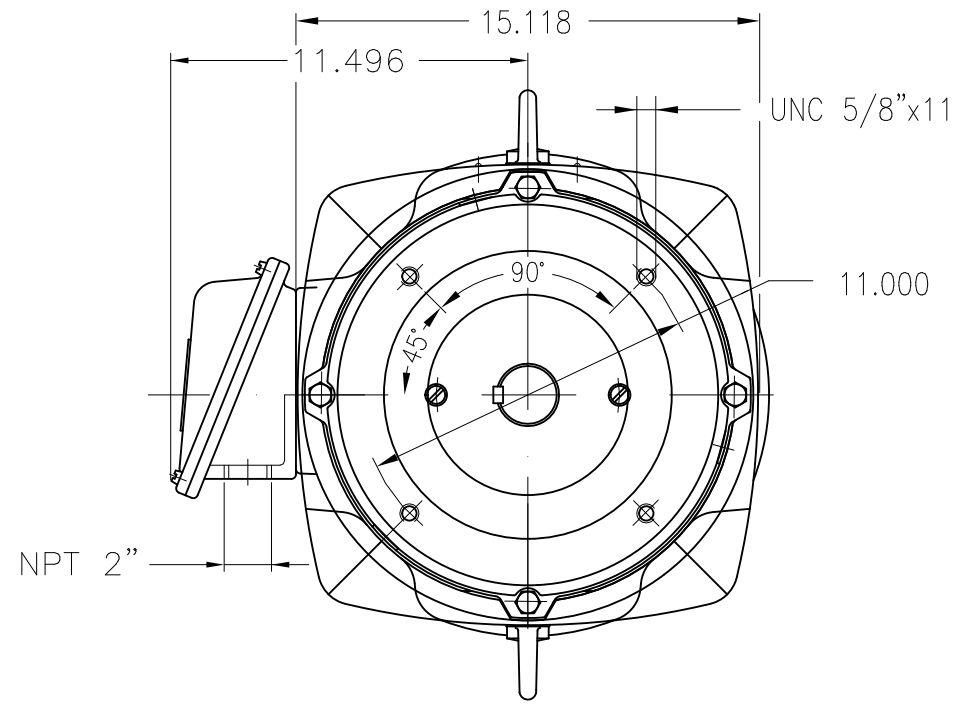


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40 HP 04 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR JM/JP/JET PUMP NEMA PREM. EFF.					
CHECKED		FRAME 324JP IP23 ODP					
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering				

Color RAL 5009
Painting plan 203A
Mounting V18

PREVIEW
WDD | 00
SHEET 1 / 1

