

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 15290728

Frame	: 326LP	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 8	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	: 28.3 A	Protection degree	: IP55
L. R. Amperes	: 144 A	Cooling method	: IC411 - TEFC
LRC	: 5.1x(Code G)	Mounting	: W-6
No load current	: 16.3 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 885 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 20.5 kgfm	Approx. weight ³	: 305 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.5023 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	91.0	92.4	92.4	Max. traction
Power Factor	0.00	0.51	0.63	0.71	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6212 C3	7310BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	20000 h	18706 h
Lubricant amount	:	13 g	15 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	29/10/2024			

LOAD PERFORMANCE CURVE

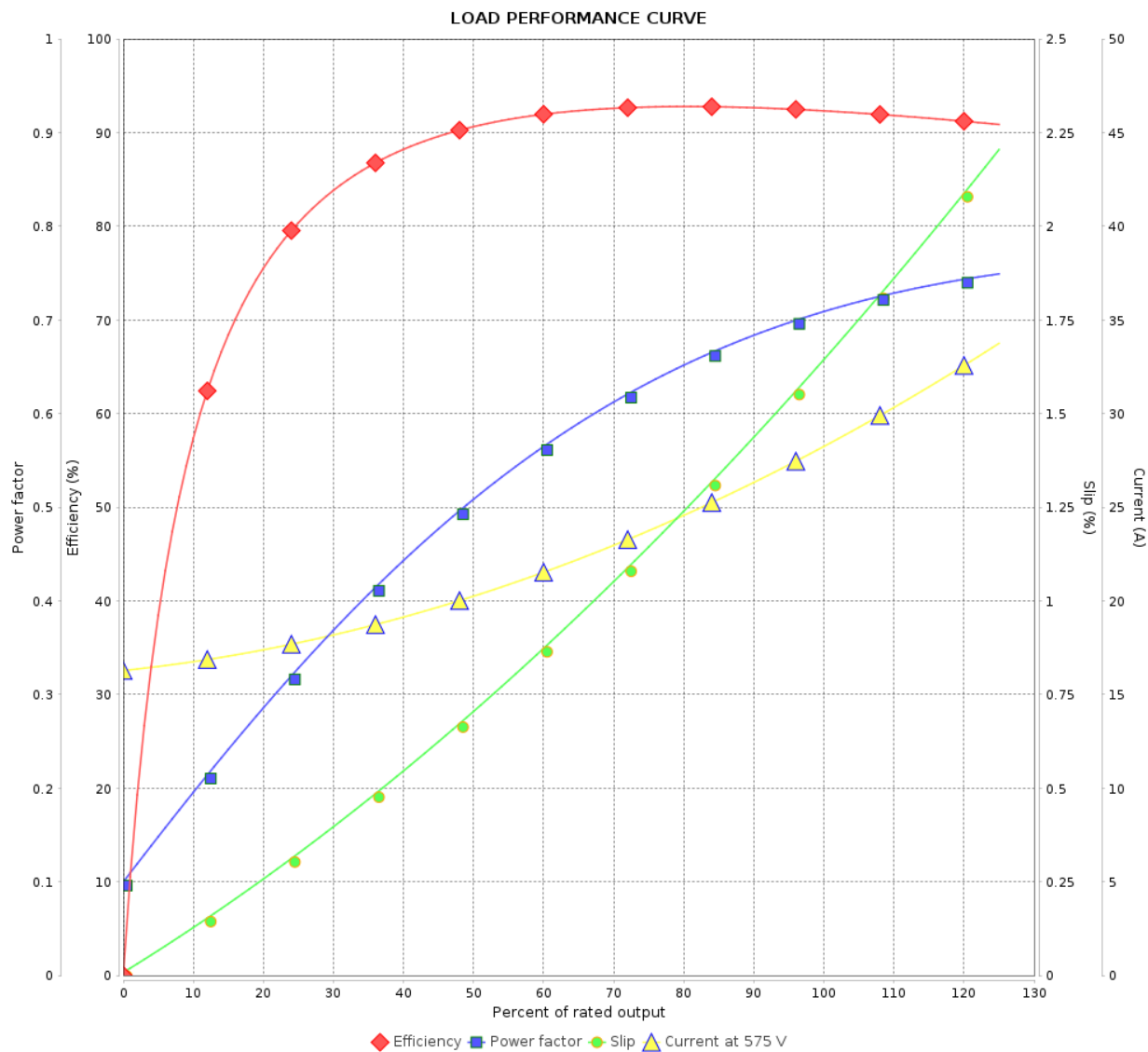
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Premium Efficiency Three-Phase

Product code : 15290728

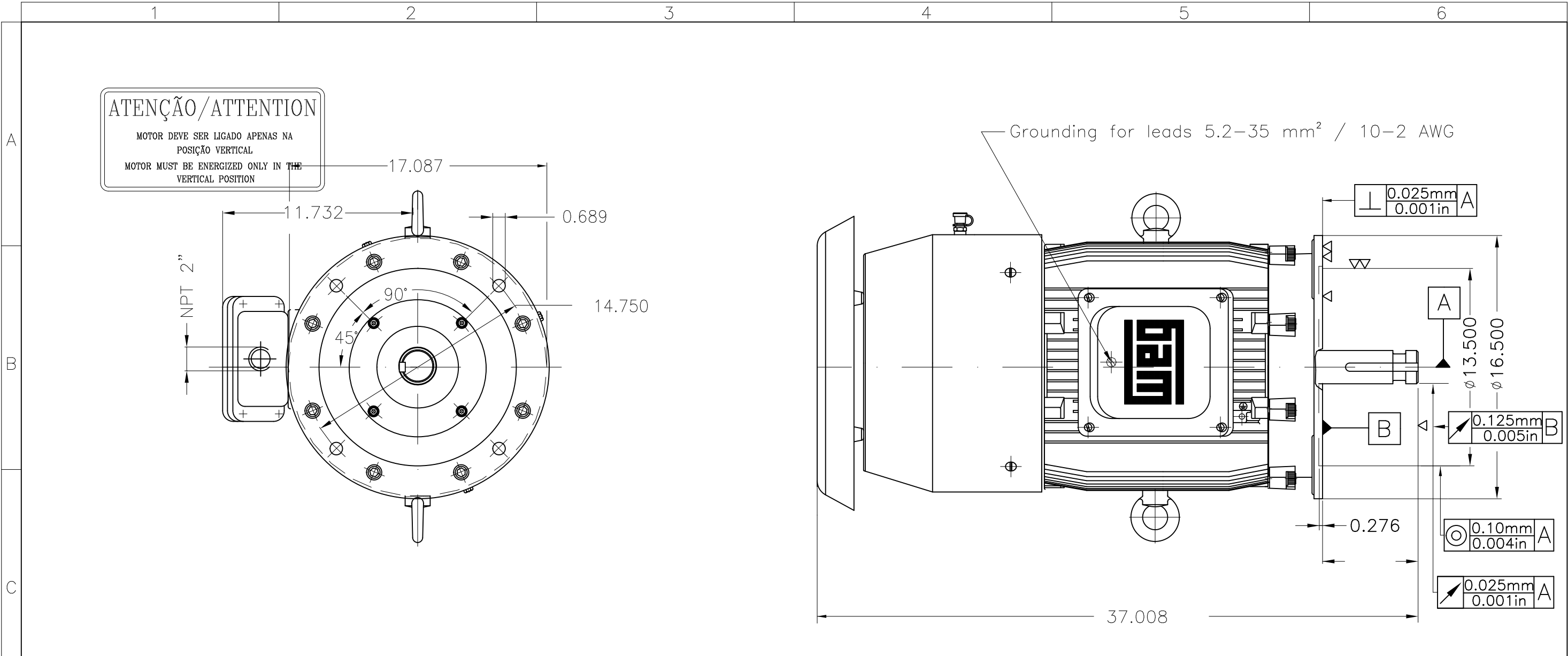


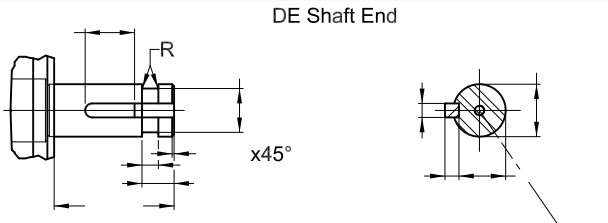
Performance : 575 V 60 Hz 8P

Rated current : 28.3 A
LRC : 5.1
Rated torque : 20.5 kgfm
Locked rotor torque : 220 %
Breakdown torque : 240 %
Rated speed : 885 rpm

Moment of inertia (J) : 0.5023 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
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Date					



D	Sealing - oil seal ring												
	Rubber drain plug												
	Without switch off thermal protection												
	B key												
	Grease - Mobil Polyrex EM												
	Plastic flat plug												
	Class F insulation - 80K temperature rise												
	Without Space Heaters												
	Shaft material - SAE/ABNT 1040/45												
	Dipping impregnation - polyester												
E	Without terminal block												
	NDE sealing - lip seal												
	Aluminum fan												
	Bearing cap												
	Reduced balancing with half key												
	Without epoxi in the cables outlet												
	Certification CSA/UL												
	Packing - crate												
	Without thermal protection on bearings												
	With grease fitting												
C3 DE bearing													
Color RAL 5009													
Painting plan 203A													
Mounting NEMA W-6													
Mounting V1													

25 HP 08 Poles 60 Hz										A