

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 17723992

Frame	: 215LP	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 10 HP (7.5 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	: 9.38 A	Protection degree	: IP55
L. R. Amperes	: 64.7 A	Cooling method	: IC411 - TEFC
LRC	: 6.9x(Code H)	Mounting	: W-6
No load current	: 2.80 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3525 rpm	Noise level ²	: 72.0 dB(A)
Slip	: 2.08 %	Starting method	: Direct On Line
Rated torque	: 2.06 kgfm	Approx. weight ³	: 108 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0232 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	88.5	90.2	90.2	Max. traction : 0 kgf
Power Factor	0.00	0.79	0.86	0.89	Max. compression : 0 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
10.6	8.6	7.5	5.1	3.2	2.0	1.2

	Drive end	Non drive end
Bearing type	: 6309	: 7306BECB
Sealing	: Oil Seal	: Lip Seal
Lubrication interval	: 7898 h	: 8437 h
Lubricant amount	: 13 g	: 7 g
Lubricant type	: Mobil Polyrex EM	

Notes

In Line Extra Thrust Motor
NEMA Premium Efficiency

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				
Date	20/07/2026		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

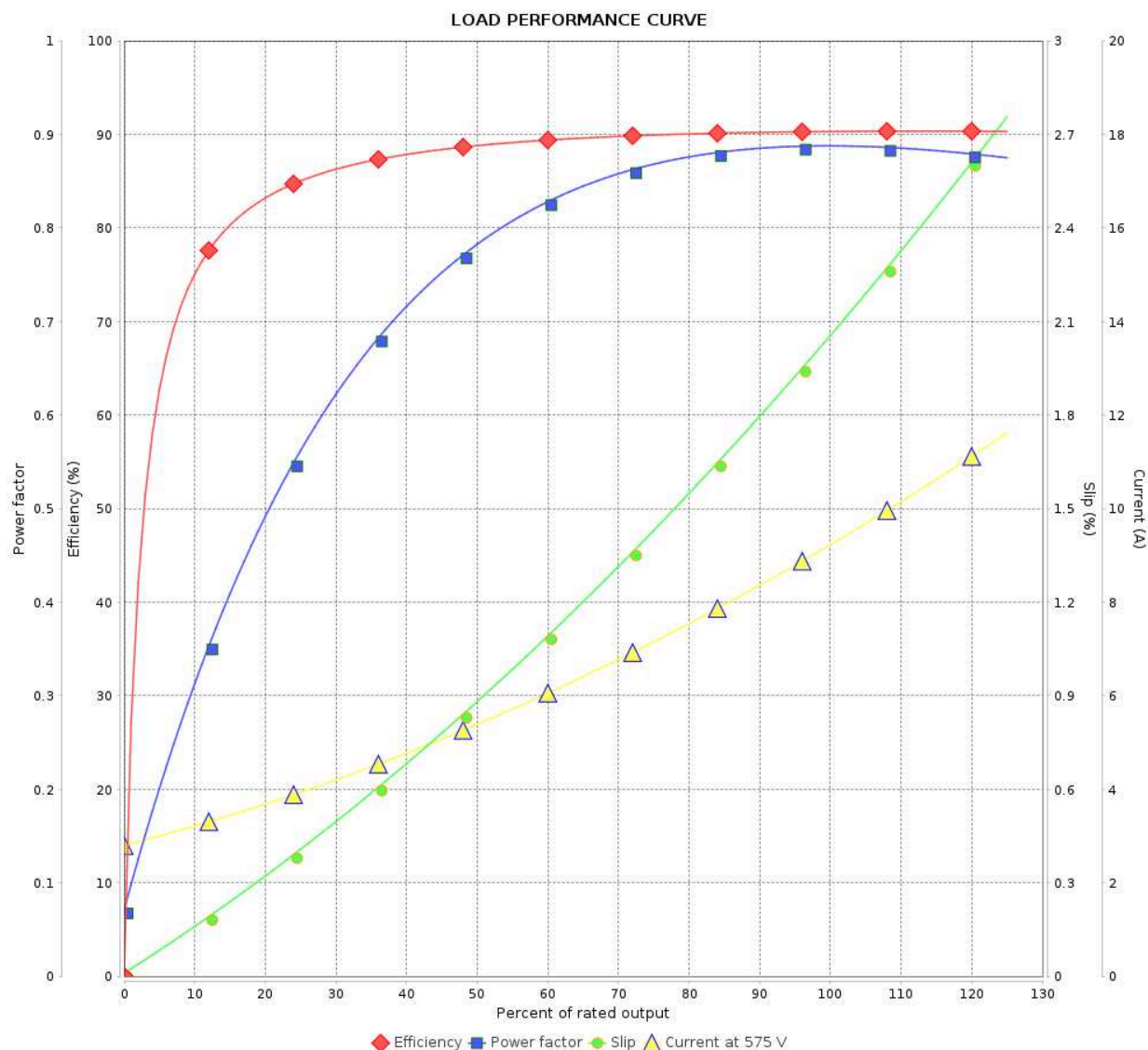
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 17723992

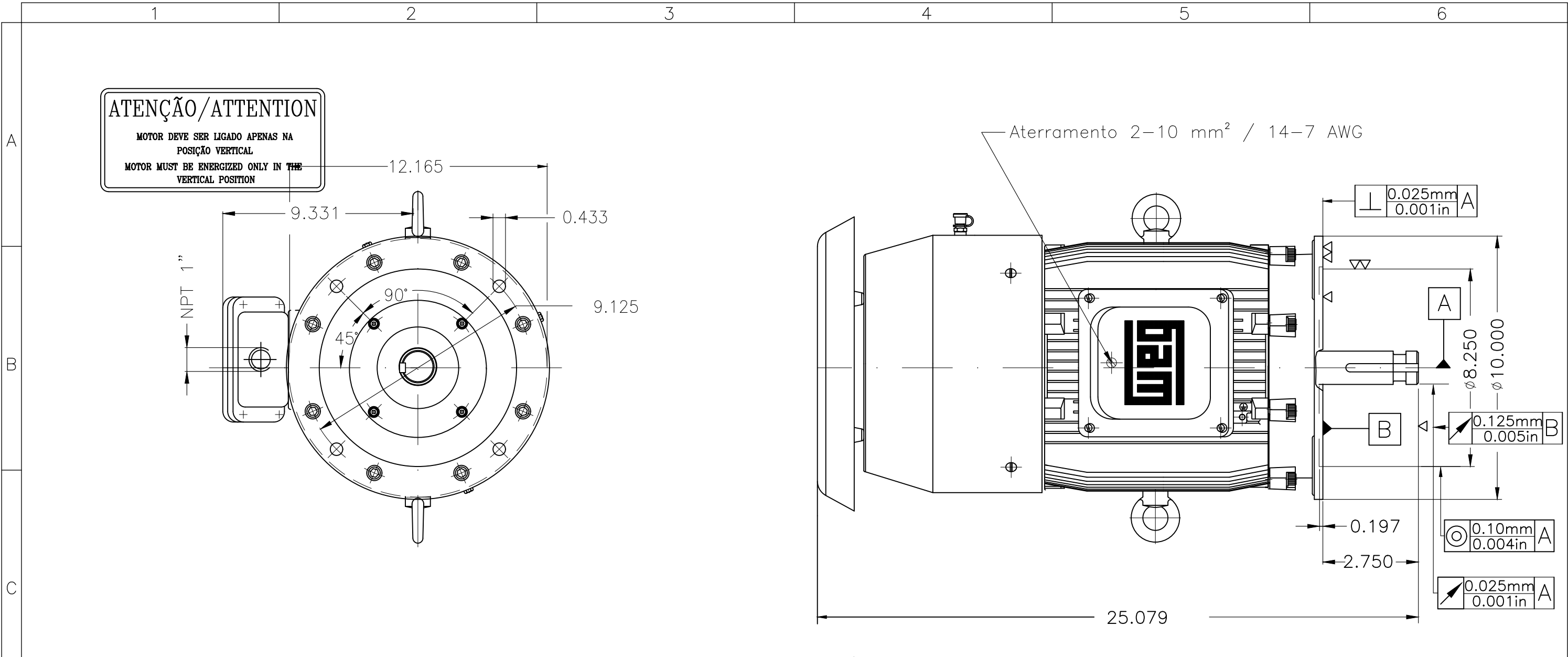


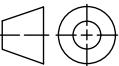
Performance : 575 V 60 Hz 2P

Rated current : 9.38 A
LRC : 6.9
Rated torque : 2.06 kgfm
Locked rotor torque : 210 %
Breakdown torque : 280 %
Rated speed : 3525 rpm

Moment of inertia (J) : 0.0232 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
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D					10 HP 02 Polos 60 Hz										A
					V.J. PAMENSKY CANADA INC.										
E					500002555450		422119857/0 INITIAL ISSUE			CLEITONGS	CLEITONGS	KITZBERGER	29.01.2024	00	
					ECM	LOC	RESUMO MODIFICAÇÃO			EXECUTADO	VERIFICADO	LIBERADO	DATA	VER	
					EXECUTOR	CLEITONGS		MOTOR TRIF. IN LINE EXTRA THRUST NEMA PREM. EFF.			10011801373				
					VERIFICADOR	CLEITONGS		CARÇAÇA 215LP IP55 TEFC			000	00			
					LIBERADOR	KITZBERGER									
DATA LB.		29.01.2024	WMO	Jaragua do Sul	Engenharia de Produto	FOLHA	1 / 1								

Placa de identificação com a informação da linha do inversor
Forma construtiva NEMA W-6
Forma construtiva V1

