DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 14643833

Frame	: 215LP	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 17.1/8.57 A	Protection degree	: IP55
L. R. Amperes	: 120/60.0 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code H)	Mounting	: W-6
No load current	: 4.61/2.31 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level[2]	: 72.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 1.54 kgfm	Approx. weight[3]	: 109 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0198 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	85.5	88.5	89.5
Power Factor	0.00	0.78	0.87	0.90

Foundation loads

Max. traction

Max. compression

		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

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	29/10/2024		1 / 2	

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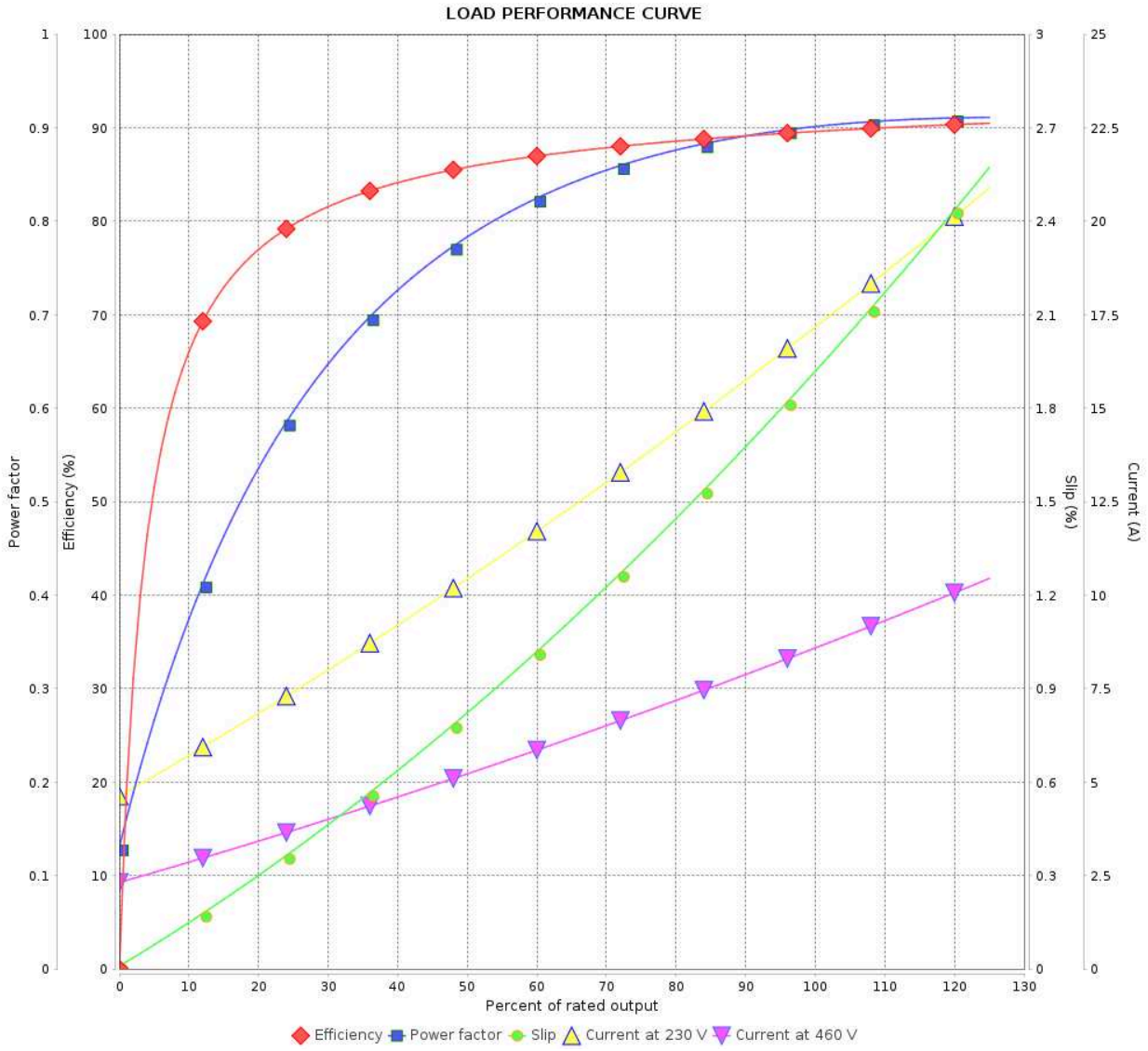
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 14643833



Performance	: 230/460 V 60 Hz 2P		
Rated current	: 17.1/8.57 A	Moment of inertia (J)	: 0.0198 kgm²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 1.54 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

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Checked by			Page	Revision
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EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

Dimensões em polegada
Dimensions in inches

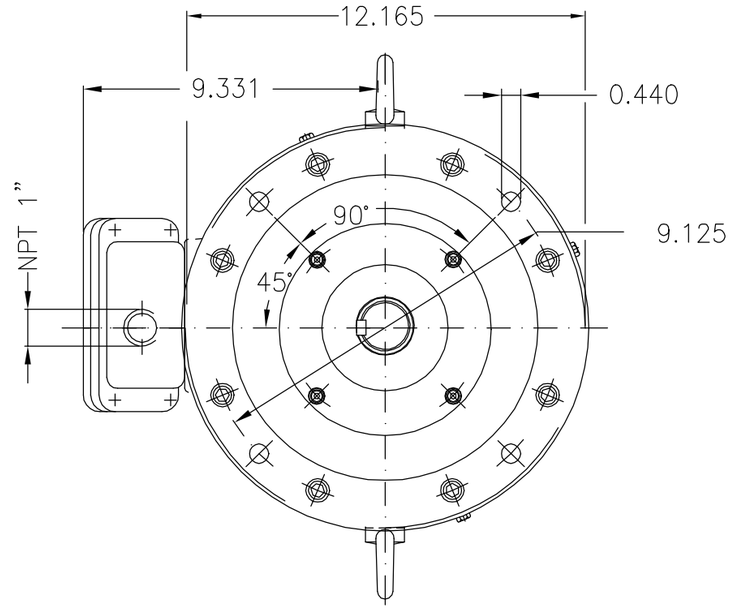
CERTIFIED
WEG MOTORES
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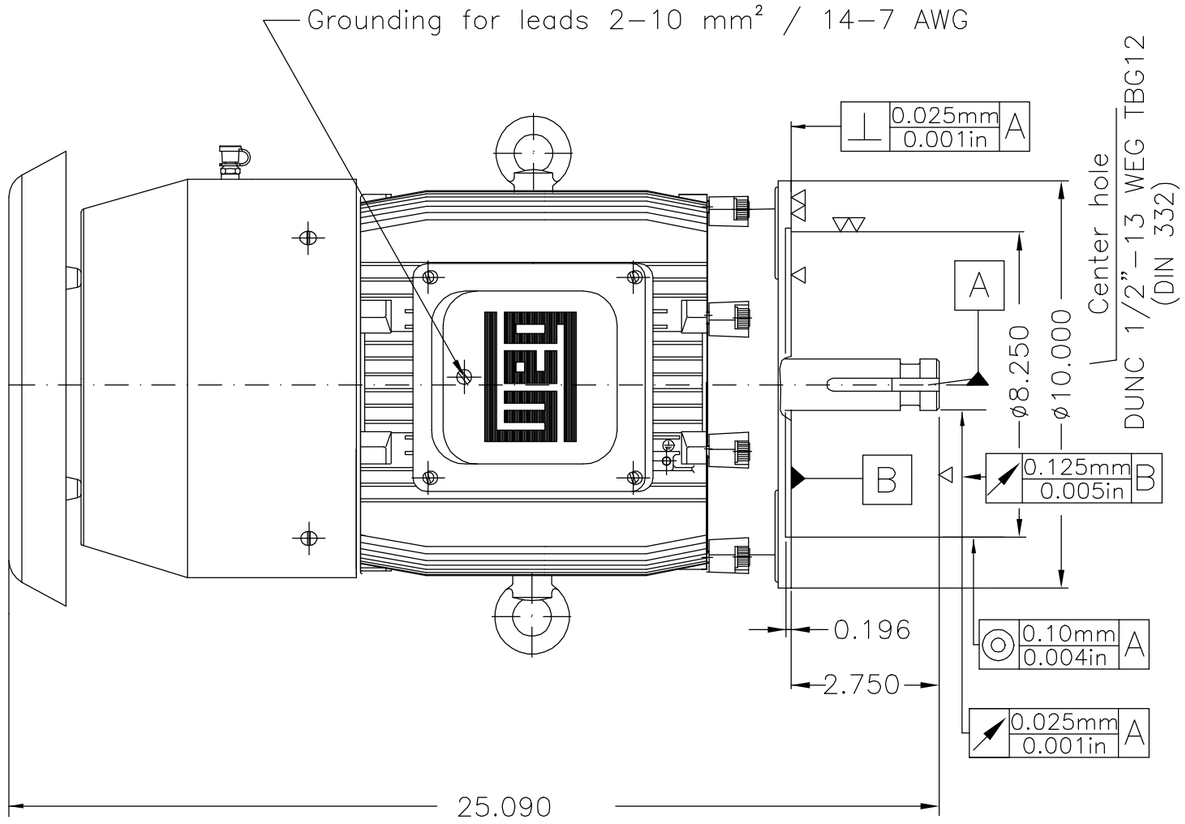
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

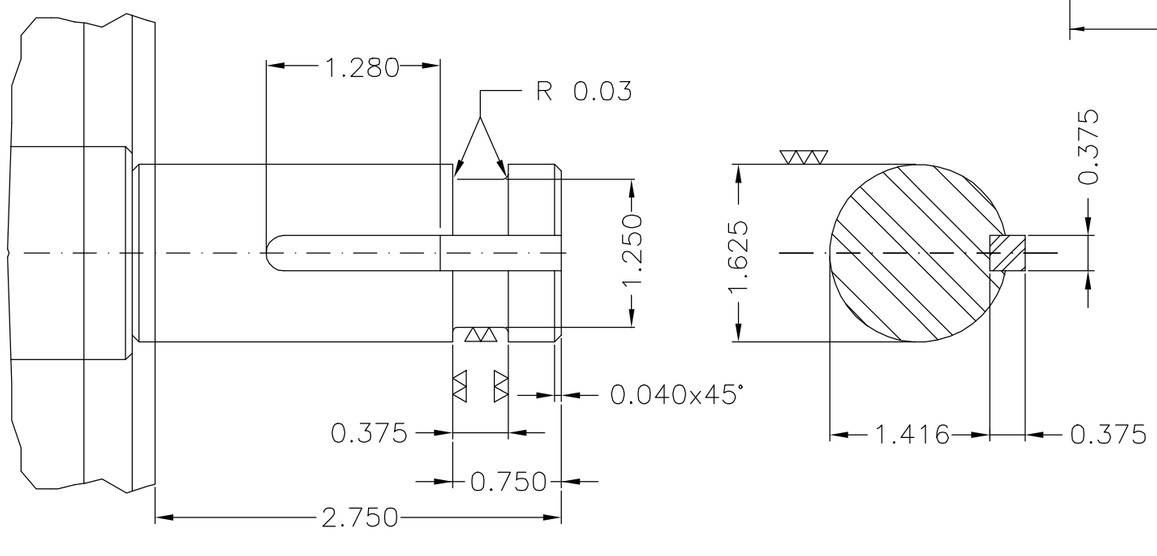
ATENÇÃO/ATTENTION

MOTOR DEVE SER LIGADO APENAS NA POSIÇÃO VERTICAL

MOTOR MUST BE ENERGIZED ONLY IN THE VERTICAL POSITION







Placa de identificação com marcação especial / Nameplate with special marking							
Cor RAL 5009 / Color RAL 5009							
Plano de pintura 207A / Painting plan 207A							
Forma construtiva NEMA W-6 / Mounting NEMA W-6							
Forma construtiva V1 / Mounting V1							
V.J. PAMENSKY CANADA INC.							
500002148791		ALT CONFORME 418229042	CLAUDEMIRR	JACKSONDC	JACKSONDC	14.06.2022	04
500001781587		417359503	FRANCINES	RICLAV	RICLAV	24.06.2020	03
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	DANIELAW	THREE-PHASE IN LINE EXTRA THRUST MOTOR	10006137324		
CHECKED	RPAULI	FRAME 215LP IP55 TEFC	000	04	
RELEASED	RPAULI				
REL DT	23.10.2018	WMO Jaragua do Sul Product Engineering	SHEET	1 / 1	

10 HP	02 Poles	60Hz
7.5 HP	02 Poles	60Hz

415234508/0

B
A

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