

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 14022317

Frame	: 364/5LP	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 75 HP (55 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	: 65.9 A	Protection degree	: IP55
L. R. Amperes	: 461 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code G)	Mounting	: W-6
No load current	: 17.6 A	Rotation ¹	: CW
Rated speed	: 3560 rpm	Noise level ²	: 85.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 15.3 kgfm	Approx. weight ³	: 458 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4198 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	93.0	94.1	94.1	Max. traction
Power Factor	0.00	0.81	0.87	0.89	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314	7311BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	1802 h	1621 h
Lubricant amount	:	27 g	18 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	27/10/2024			

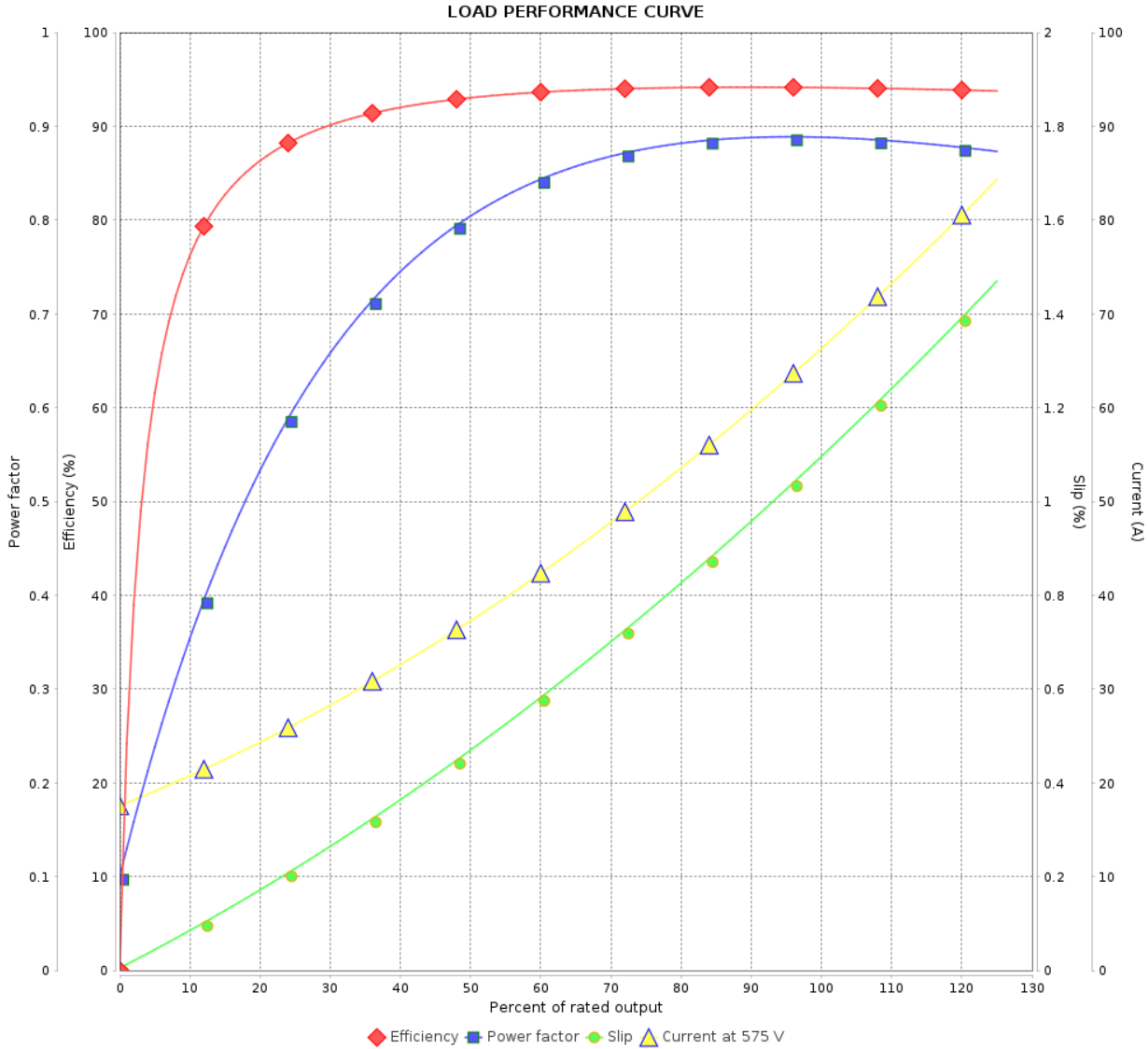
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 14022317



Performance : 575 V 60 Hz 2P

Rated current	: 65.9 A	Moment of inertia (J)	: 0.4198 kgm ²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 15.3 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3560 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	27/10/2024			

EIXO/SHAFT
 PADRÃO/STANDARD
 OPCIONAL/OPTIONAL
 ESPECIAL/SPECIAL

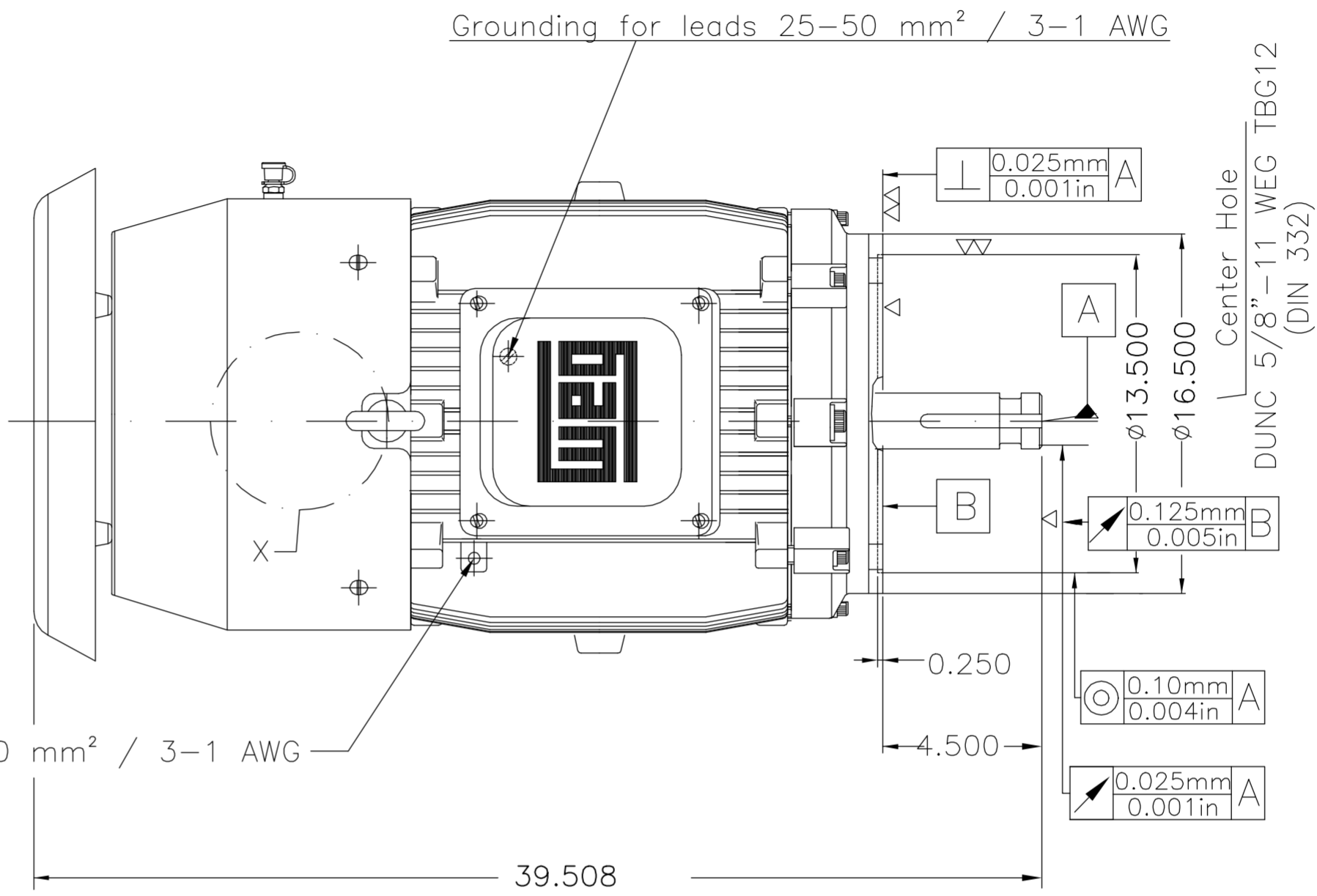
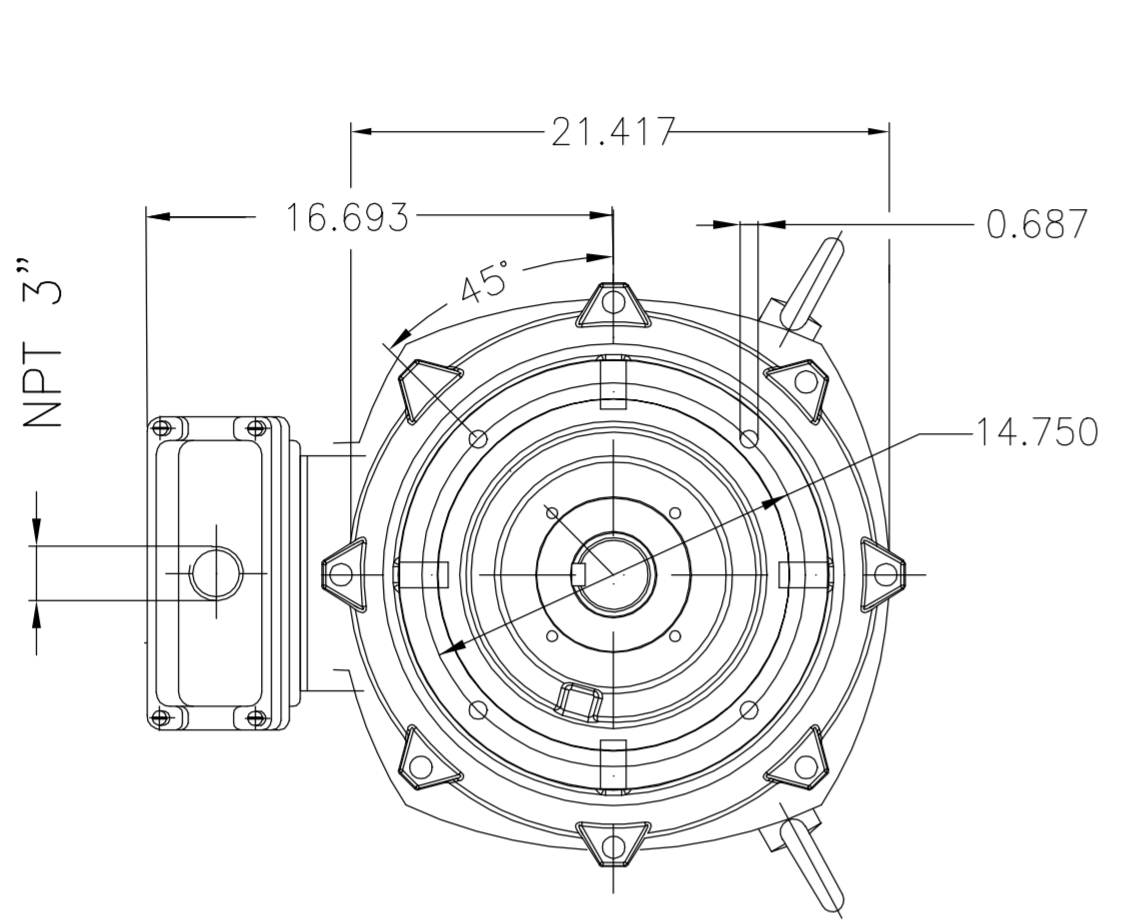
Dimensões em polegada
 Dimensions in inches

CERTIFIED WEG MOTORES
 Certified document.
 Not subject to changes.

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

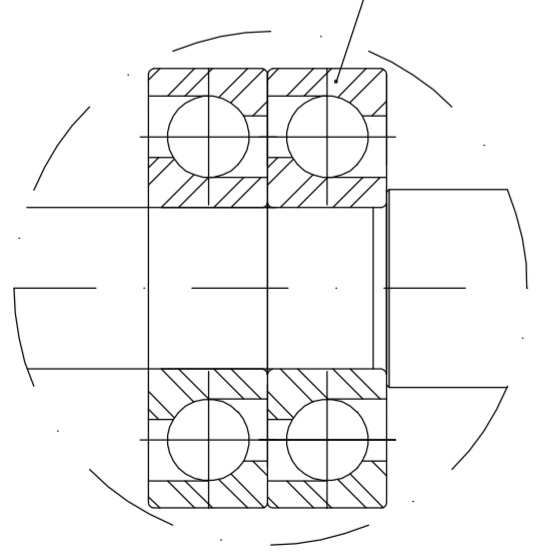
ATENÇÃO/ATTENTION
 MOTOR DEVE SER LIGADO APENAS NA POSIÇÃO VERTICAL
 MOTOR MUST BE ENERGIZED ONLY IN THE VERTICAL POSITION

Sentido da Carga
 Axial Thrust Direction

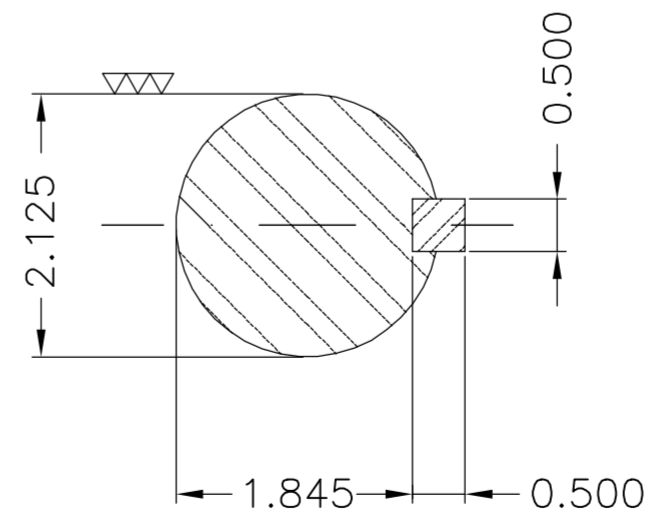
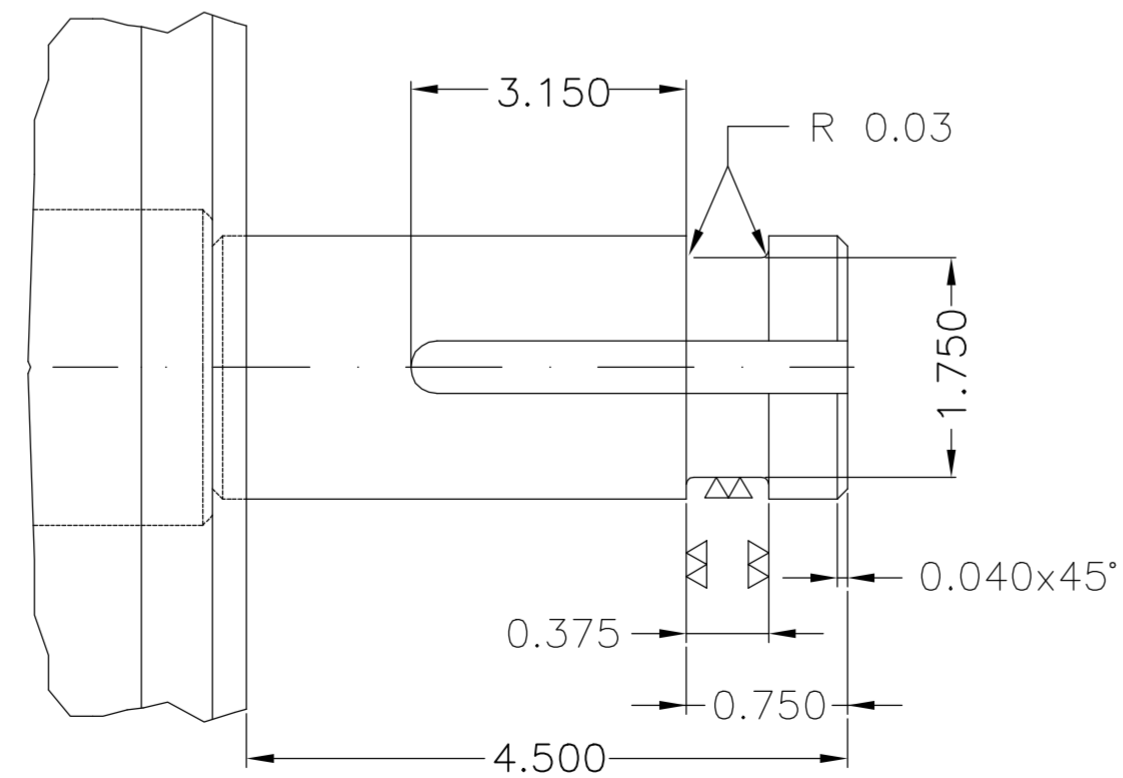


Grounding for leads 25-50 mm² / 3-1 AWG

NDE bearing 2x7311 BECB



Detail X



Rolamentos traseiros de contato angular (2x) 7311 BECB
 (2x) 7311 BECB NDE angular contact ball bearing
 Sentido de rotação horário / Clockwise rotation
 Cor RAL 5009 / Color RAL 5009
 Plano de pintura 203A / Painting plan 203A
 Forma construtiva NEMA W-6 / Mounting NEMA W-6
 Forma construtiva V1 / Mounting V1
V.J. PAMENSKY CANADA INC.

500001594952	ALTERADO CONF. CLAIM 415204042	RICLAV	DALTONR	DALTONR	24.05.2019	03			
500001319724	ALT. CONF. CLAIM 414679447 -DETALHAMENTO	JOAOVICTOR	ANDERSONFS	ANDERSONFS	06.06.2017	02			
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	JOAOVICTOR		THREE-PHASE IN LINE EXTRA THRUST MOTOR	10004929985
CHECKED	ADRIANAP		FRAME 364/SLP IP55 TEFC	
RELEASED	ADRIANAP			
REL DT	09.05.2017		WMO Jaraguá do Sul	

75 HP 02 Poles 60Hz 414654929/0 MEC.

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RELEASED

ZME - A2