

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W21 In Line Extra Thrust Premium Efficiency Three-Phase		Product code : 12465079		
Frame	: 444/5LP	Locked rotor time	: 32s (cold) 18s (hot)			
Output	: 125 HP	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	: 110 A	Protection degree	: IP55			
L. R. Amperes	: 704 A	Cooling method	: IC411 - TEFC			
LRC	: 6.4x(Code G)	Mounting	: W-6			
No load current	: 37.0 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1785 rpm	Noise level ²	: 76.0 dB(A)			
Slip	: 0.83 %	Starting method	: Direct On Line			
Rated torque	: 50.8 kgfm	Approx. weight ³	: 833 kg			
Locked rotor torque	: 200 %					
Breakdown torque	: 220 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 2.41 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.4	Max. traction	
Power Factor	0.00	0.76	0.83	0.86	Max. compression	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6314		7315BECB		
Sealing	:	Oil Seal		Lip Seal		
Lubrication interval	:	4895 h		3268 h		
Lubricant amount	:	27 g		30 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	24/10/2024				1 / 2	

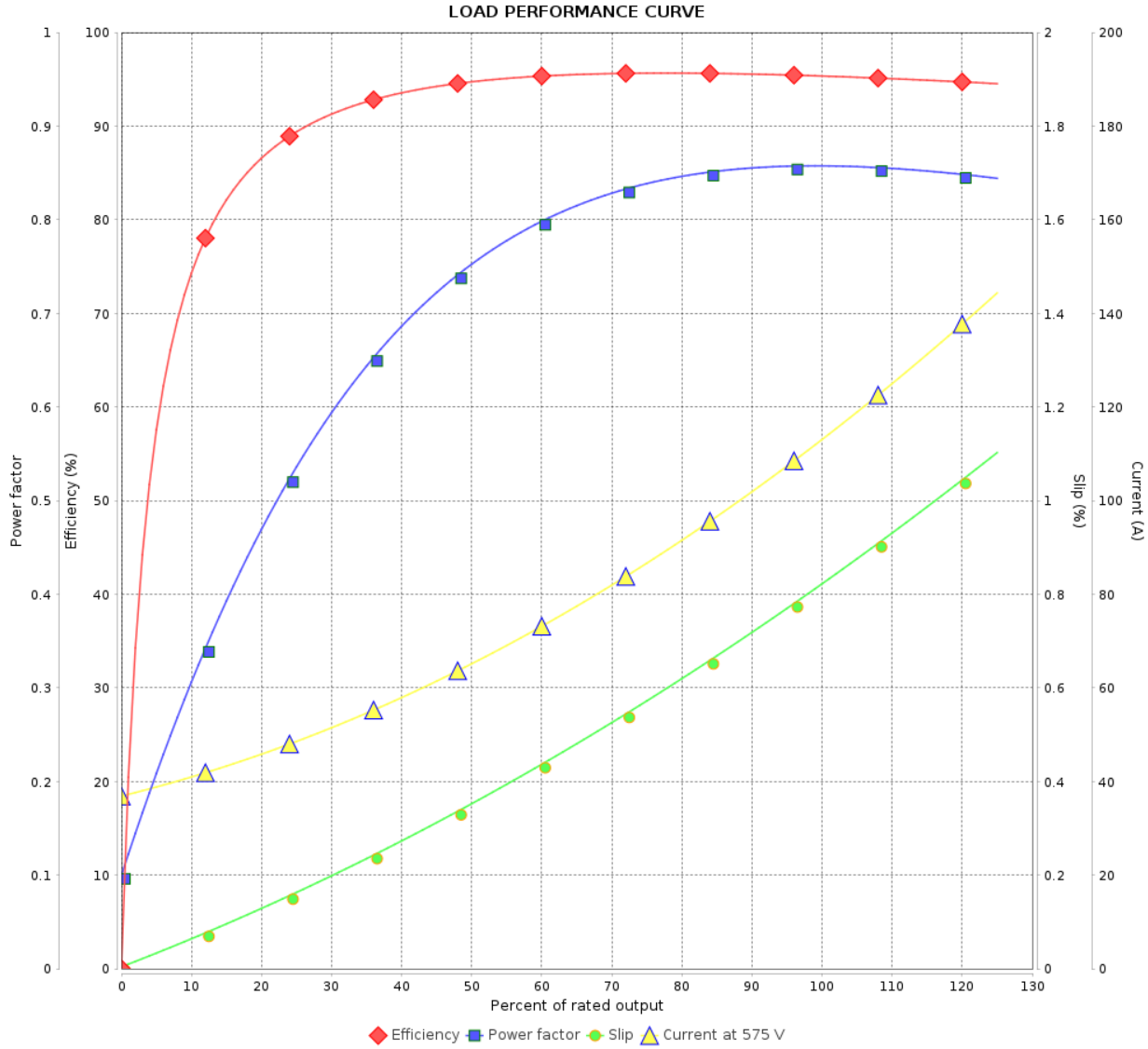
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust Premium Efficiency Three-Phase Product code : 12465079



Performance : 575 V 60 Hz 4P

Rated current	: 110 A	Moment of inertia (J)	: 2.41 kgm ²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 50.8 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 1785 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	24/10/2024			

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EIXO	
PADRÃO	X
OPCIONAL	
ESPECIAL	

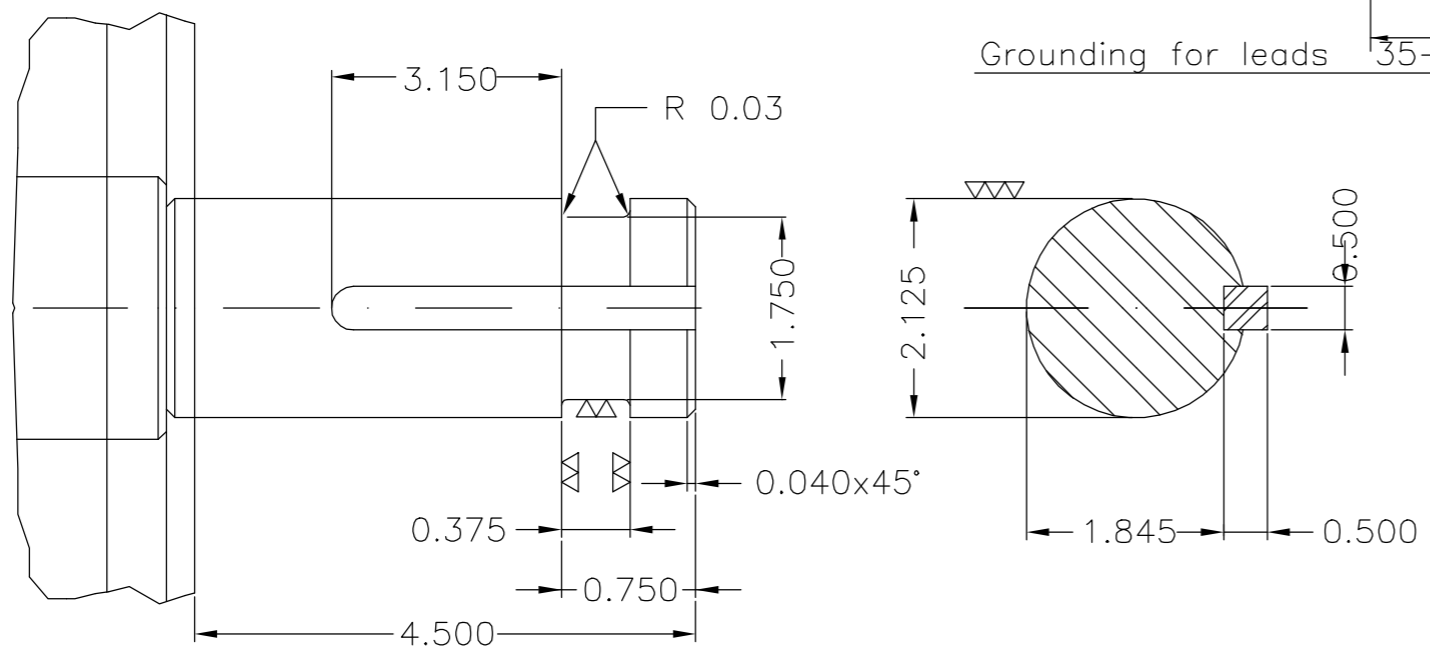
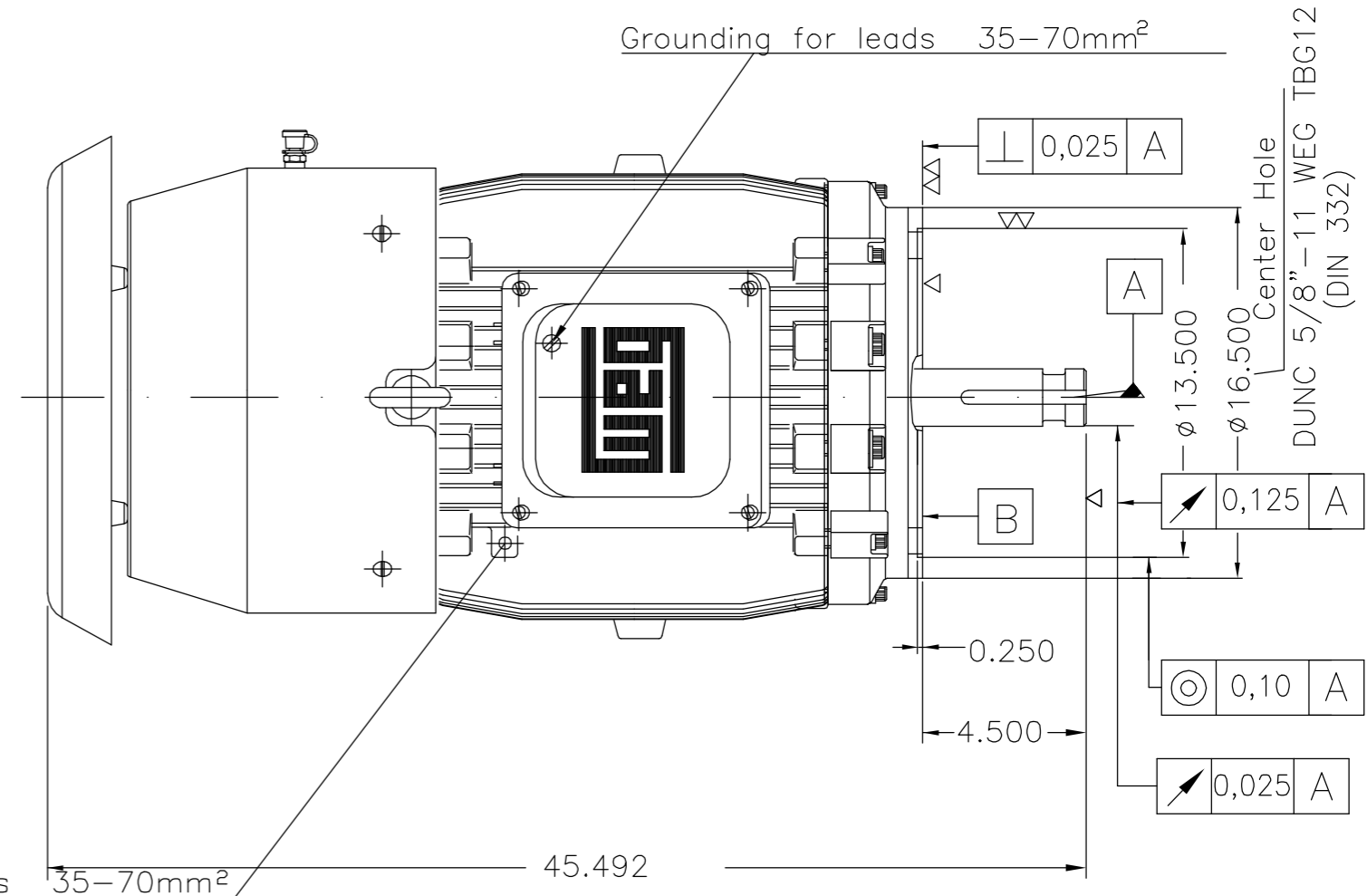
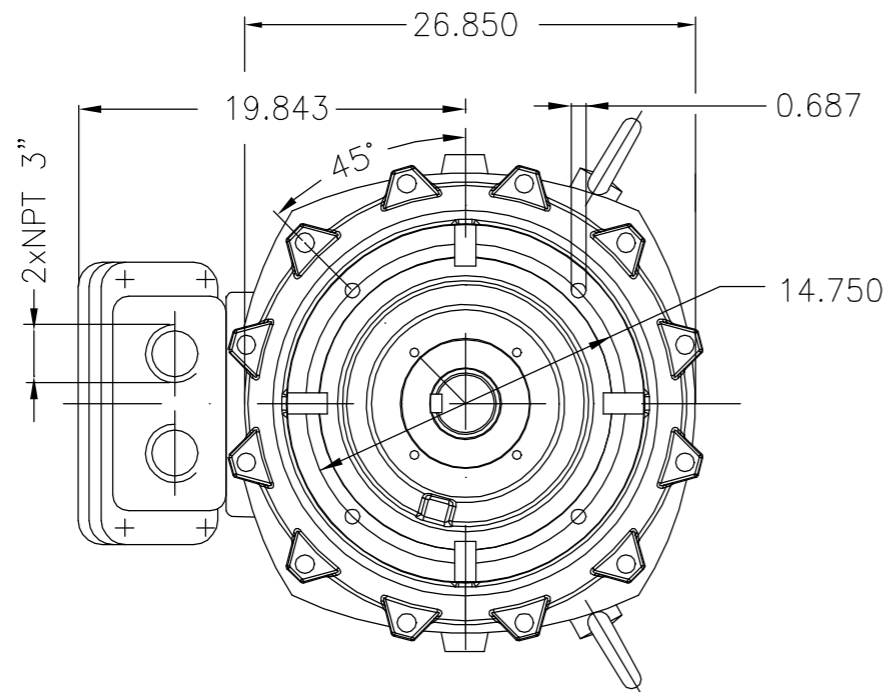
Dimensões em polegadas

Dimensions in inches

CERTIFIED WEG MOTORES

Certified document.
Not subject to changes.

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



Placa de identificação deve constar NEMA PREMIUM EFFICIENCY /
Nameplate shall state NEMA PREMIUM EFFICIENCY
Vedação no mancal dianteiro - retentor com mola / D.E sealing - oil seal ring
Com graxeira / With grease fitting
Vedação no mancal traseiro - retentor / NDE sealing - lip seal
Anel de fixação do rolamento / Bearing cap
Plano de pintura 203A / Painting plan 203A
Forma construtiva V1 / Mounting V1

V.J. PAMENSKY CANADA INC.

500001594952		ALTERADO CONF. CLAIM 415204042	RICLAV	DALTONR	DALTONR	24.05.2019	06
500000781691		ALT.CONFORME CLAIM 412907297	ANDERSONLB	DEISEL	DEISEL	05.08.2013	05
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	ADRIANAP	THREE-PHASE IN LINE EXTRA THRUST MOTOR				10002299391	
CHECKED	DVEGINI	FRAME 444/5LP IP55				000 06	
RELEASED	DVEGINI						
REL DT	03.06.2013	WMO	JARAGUA DO SUL	ENGENHARIA DE PRODUTO		SHEET 1 / 1	

125 HP 04 Poles 60Hz 412838403/0 MEC.



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