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 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.0	95.4	95.4
Power Factor	0.00	0.76	0.83	0.86

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
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	

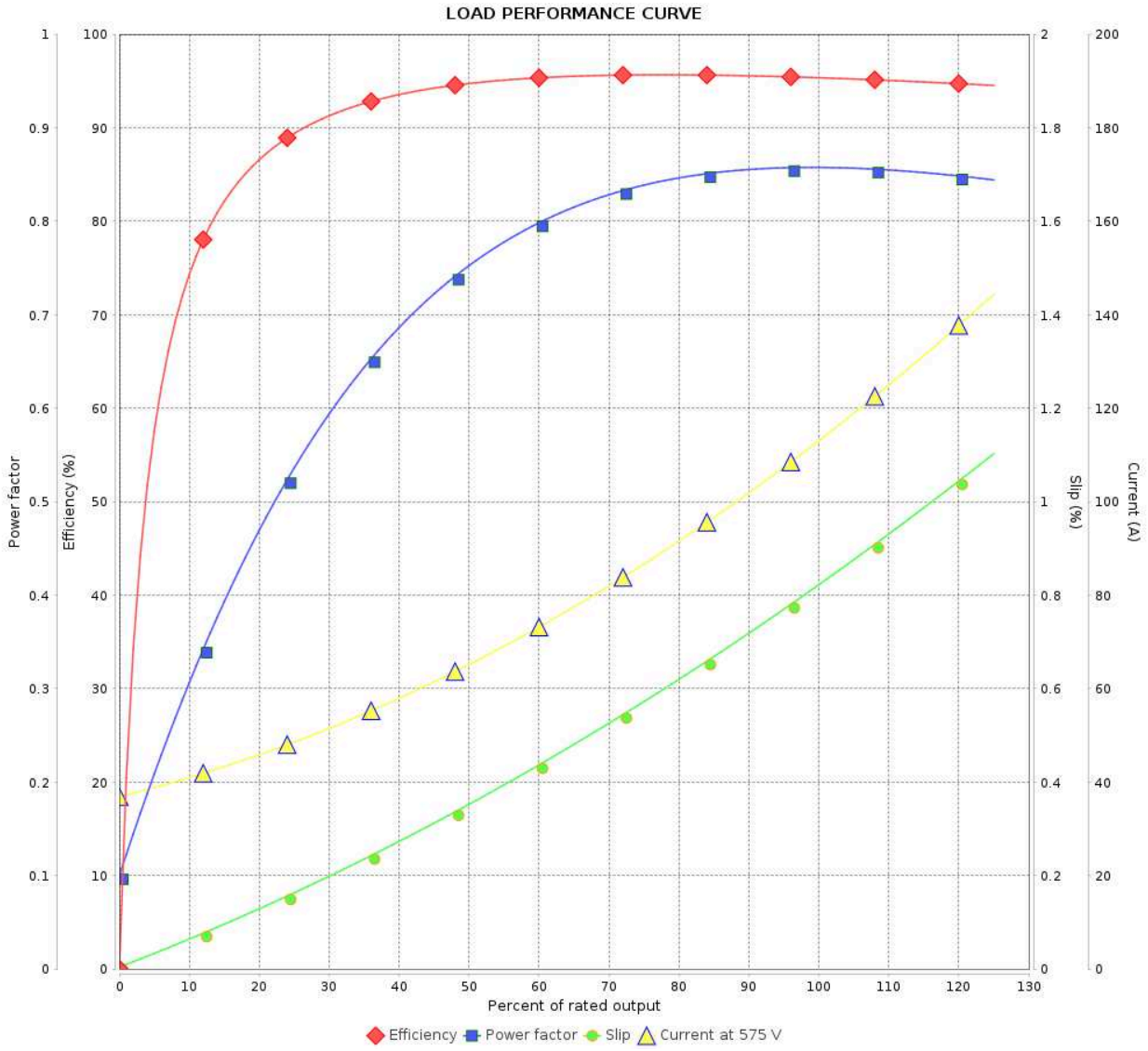
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LOAD PERFORMANCE CURVE

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 kgm²
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

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Checked by			Page	Revision
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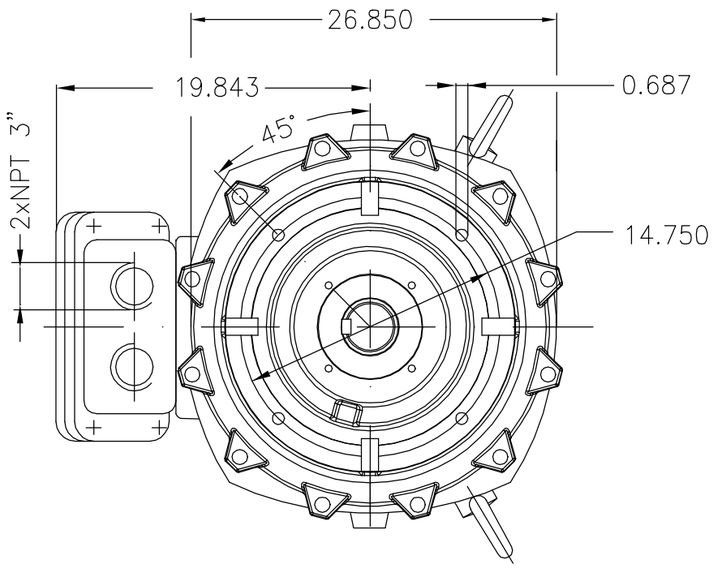
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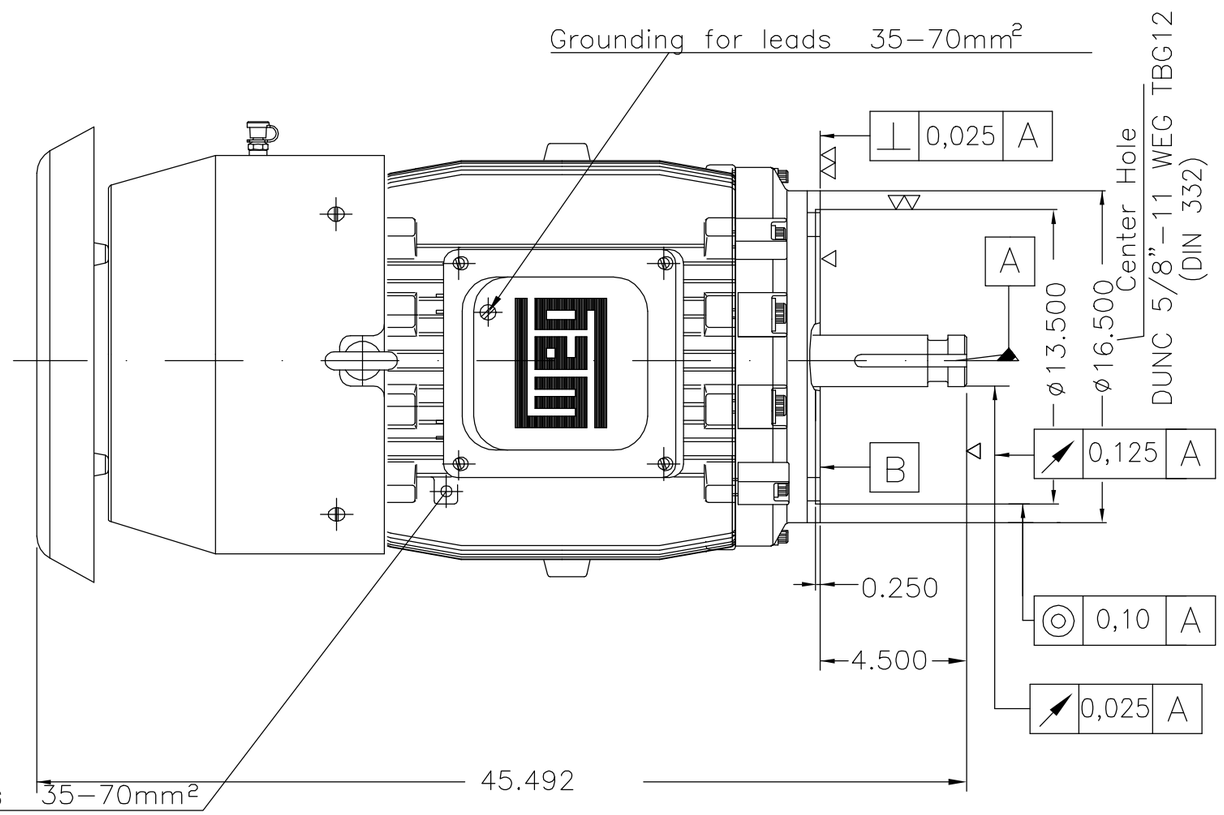
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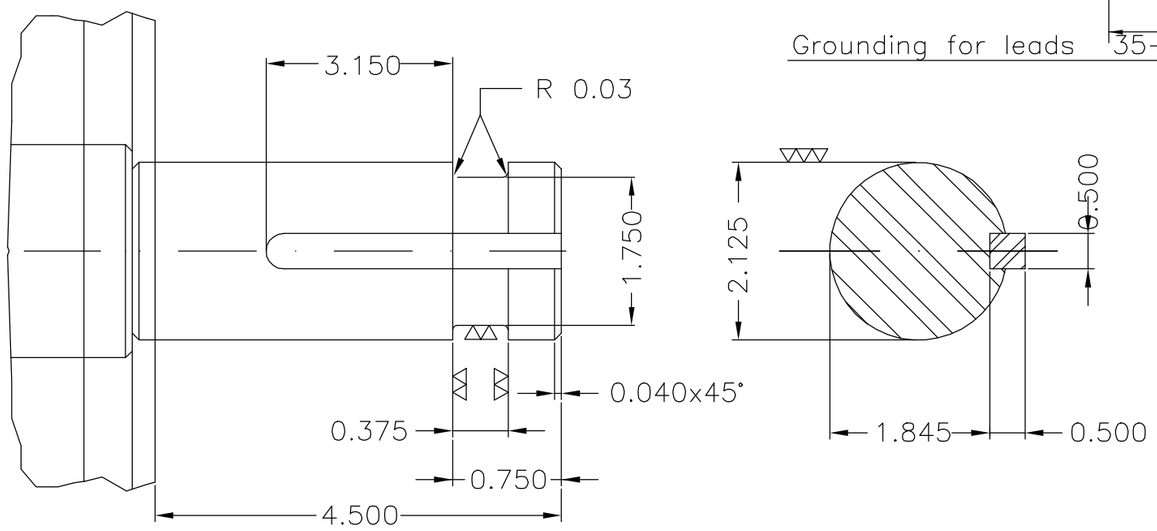
EIXO		
PADRÃO	X	Dimensões em polegadas
OPCIONAL		Dimensions in inches
ESPECIAL		

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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.

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001594952		ALTERADO CONF. CLAIM 415204042	RICLAV	DALTONR	DALTONR	24.05.2019	06
500000781691		ALT.CONFORME CLAIM 412907297	ANDERSONLB	DEISEL	DEISEL	05.08.2013	05

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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