DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 12196036

Frame	: 447LP	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 250 HP (185 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	: 215 A	Protection degree	: IP55
L. R. Amperes	: 1720 A	Cooling method	: IC411 - TEFC
LRC	: 8.0x(Code H)	Mounting	: W-6
No load current	: 48.7 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3570 rpm	Noise level[2]	: 87.0 dB(A)
Slip	: 0.83 %	Starting method	: Direct On Line
Rated torque	: 50.8 kgfm	Approx. weight[3]	: 1078 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.12 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.0	95.4	95.8
Power Factor	0.00	0.83	0.89	0.90

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6314 C3	7311BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	2860 h	2572 h
Lubricant amount	:	27 g	36 g
Lubricant type	:	Isoflex NBU-15	

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

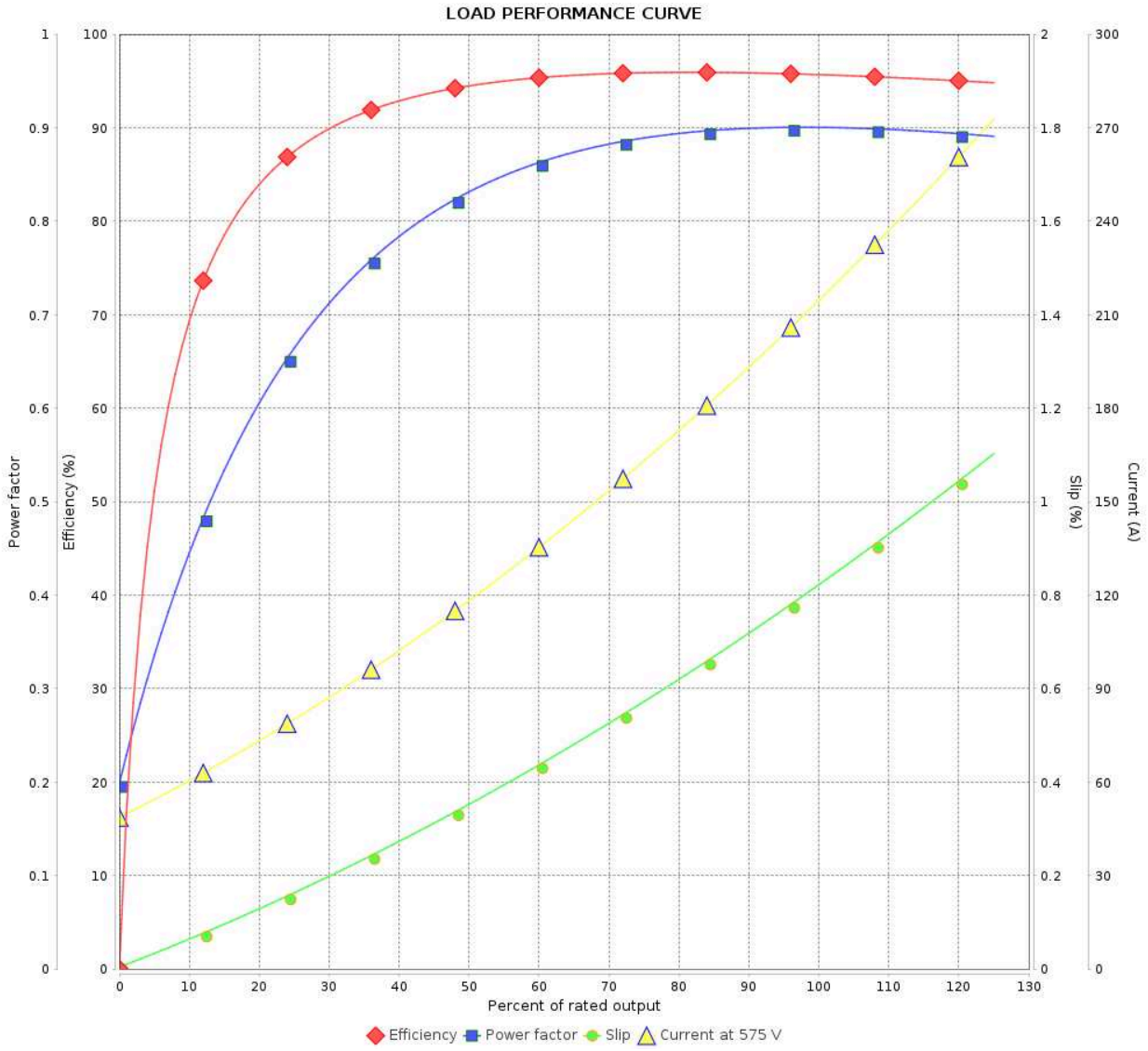
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: W21 In Line Extra Thrust High Efficiency Three-Phase	Product code :	12196036



Performance	: 575 V 60 Hz 2P		
Rated current	: 215 A	Moment of inertia (J)	: 2.12 kgm²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 50.8 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3570 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	24/10/2024		2 / 2	

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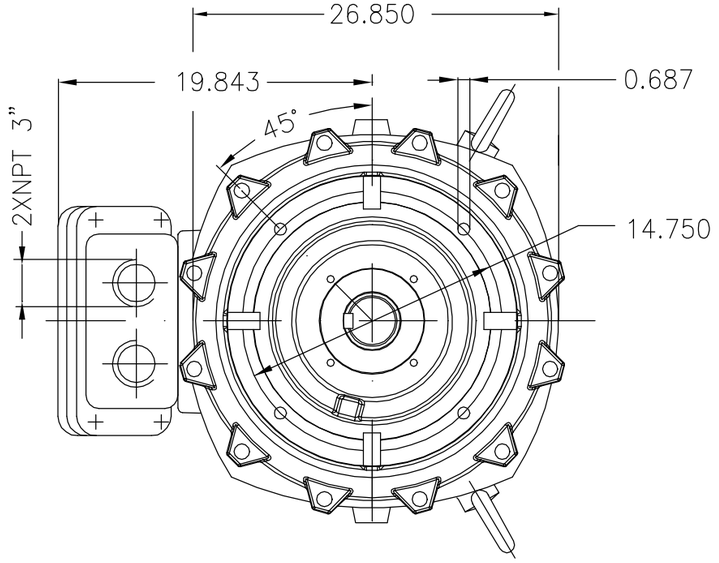
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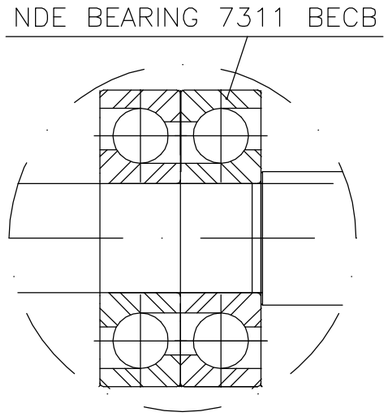
EIXO	
PADRÃO	
OPCIONAL	
ESPECIAL	X

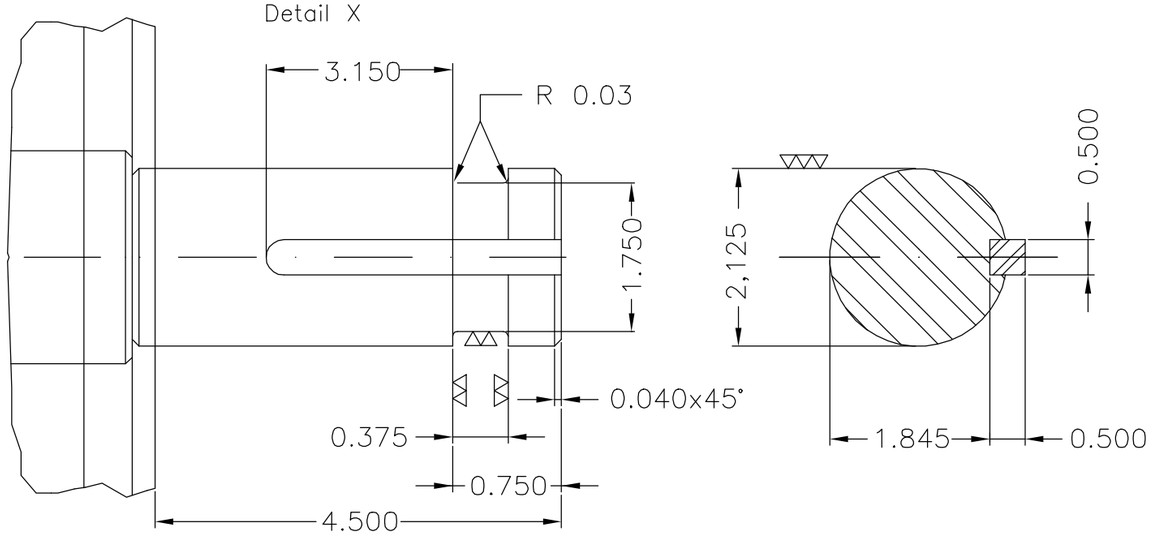
Dimensões em polegadas
Dimensions in inches

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







Carcaça especial / Special frame	
Rolamento traseiro de contato angular 7311BE / N.D.E. bearing 7311BE	
Placa de identificação deve constar NEMA PREMIUM / Nameplate shall state NEMA PREMIUM	
Vedação no mancal dianteiro – retentor com mola / D.E sealing – oil seal ring	
Ventilador de Alumínio / Aluminum fan	
Material do eixo – AISI/SAE 4140 / Shaft material – AISI/SAE 4140	
Vedação no mancal traseiro – retentor / NDE sealing – lip seal	
Saída dos cabos voltada para o lado do eixo / Cable outlet directed to shaft end	
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	03
500000653189		ALT. CONF. CLAIM 412578232	SCARMAGNANI	DVEGINI	DVEGINI	03.09.2012	02

EXECUTED	ADRIANAP	THREE-PHASE IN LINE EXTRA THRUST MOTOR	10001464386		
CHECKED	DOUGLASRA	FRAME 447LP IP55	000	03	
RELEASED	DOUGLASRA				
REL DT	06.10.2011	WMO JARAGUA DO SUL ENGENHARIA DE PRODUTO	SHEET	1 / 1	

250 HP 02 Poles 60Hz 412274540/0 MEC A

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