DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 JP Pump NEMA Premium Efficiency Three-Phase

Product code : 16446630

Frame	: 324/6JP	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 60 HP (45 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	: 57.5 A	Protection degree	: IP23
L. R. Amperes	: 362 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 16.0 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3555 rpm	Noise level[2]	: 75.0 dB(A)
Slip	: 1.25 %	Starting method	: Direct On Line
Rated torque	: 12.2 kgfm	Approx. weight[3]	: 223 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.1610 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	92.4	93.0	93.6
Power Factor	0.72	0.81	0.84

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6312 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	19658 h	20000 h
Lubricant amount	:	21 g	11 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	30/10/2024		1 / 2	

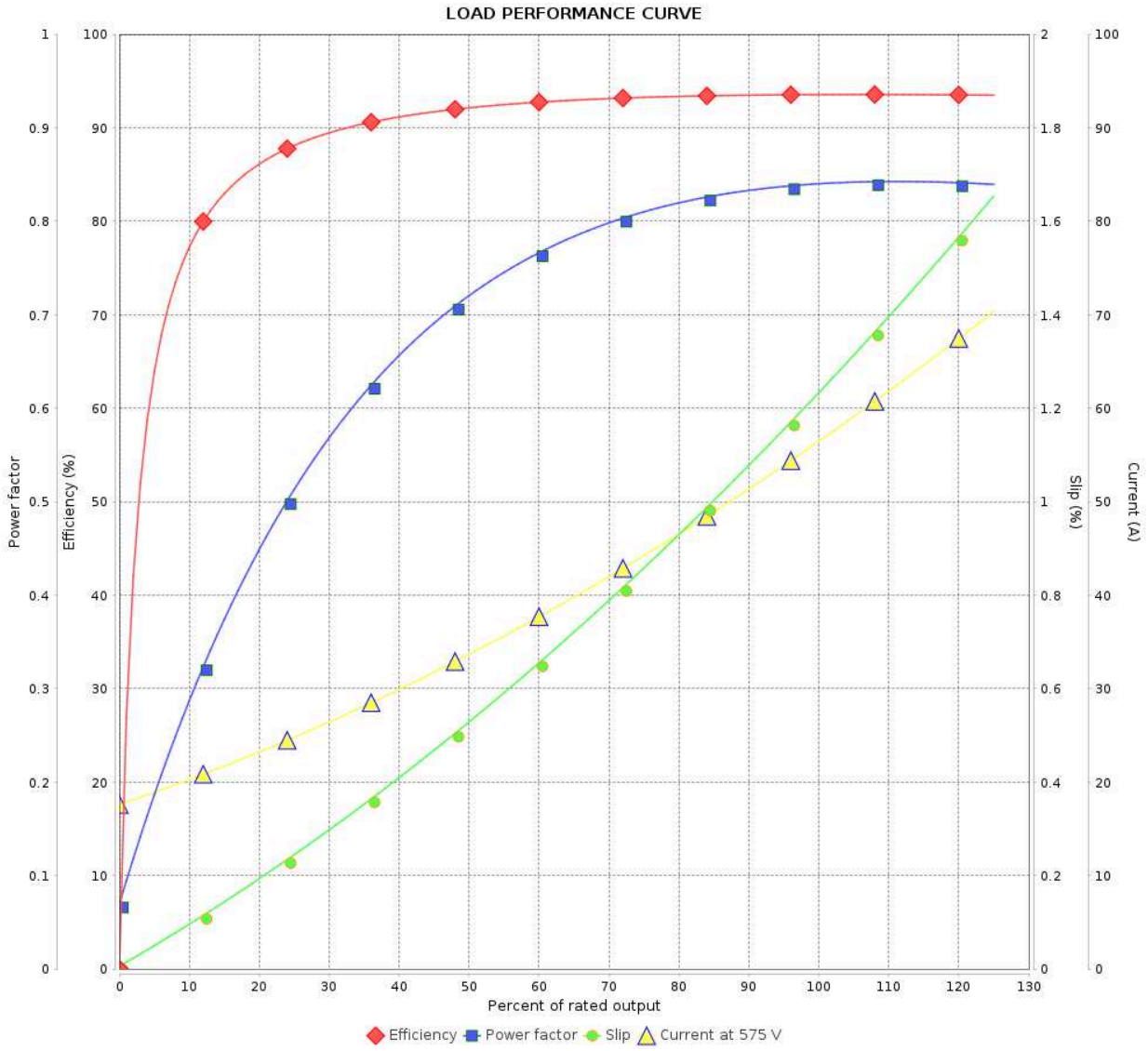
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W40 JP Pump NEMA Premium Efficiency Three-Phase	Product code :	16446630



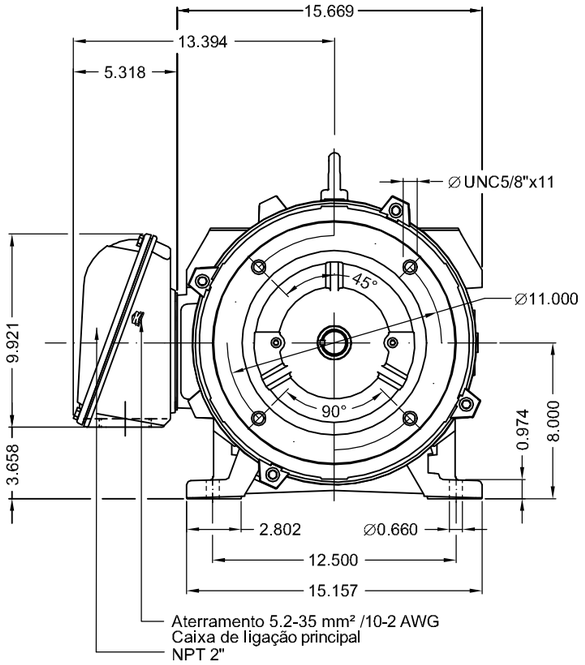
Performance	: 575 V 60 Hz 2P

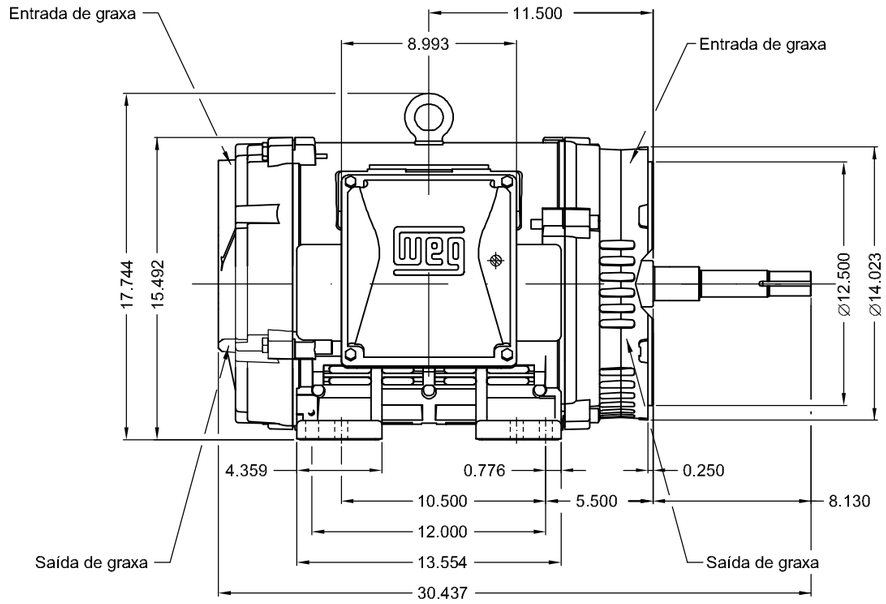
Rated current	: 57.5 A	Moment of inertia (J)	: 0.1610 kgm²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 12.2 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 3555 rpm	Design	: B

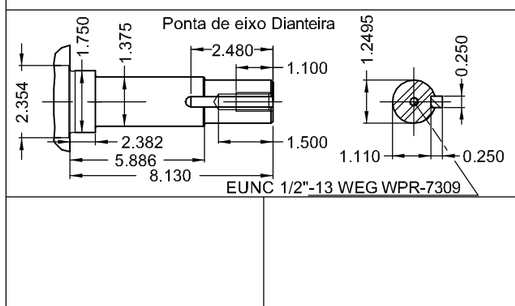
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Forma construtiva B34D

60 HP 02 Polos 60 Hz | A

V.J. PAMENSKY CANADA INC.

1:8

500002169438		PCR 100000137070	JACKSONHM	ITALOGRAHL	ITALOGRAHL	12.07.2022	02
500002168866		ALT CONFORME 419892869	CLAUDEMIRR	JACKSONDC	JACKSONDC	08.07.2022	01
ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER

EXECUTOR	DANIELAW	MOTOR TRIFÁSICO W40 NEMA PREMIUM EFF	10009349374		
VERIFICADOR	DANIELAW	CARCAÇA 324/6JP IP23 ODP	000	02	
LIBERADOR	AMANDAL				
DATA LB.	26.01.2022	WMO JARAGUA DO SUL Engenharia de Produto	FOLHA	1 / 1	

CÓPIA SEM CONTROLE
LIBERADO
Dimensões em polegada
A3
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