DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

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

Product code : 16027711

Frame	: 284/6JM	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 25 HP (18.5 kW)	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	: 23.6 A	Protection degree	: IP23
L. R. Amperes	: 149 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 8.80 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1770 rpm	Noise level[2]	: 64.0 dB(A)
Slip	: 1.67 %	Vibration	: A
Rated torque	: 10 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 220 %	Approx. weight[3]	: 168 kg
Breakdown torque	: 270 %		: 203A (ISO 12944 - C3)
Insulation class	: F		: RAL 5009
Service factor	: 1.25	Design	: B
Moment of inertia (J)	: 0.1563 kgm²		

Output	50%	75%	100%
Efficiency (%)	93.0	93.6	93.6
Power Factor	0.69	0.80	0.84

Foundation loads

Max. traction : 0 kgf

Max. compression : 0 kgf

		Drive end	Non drive end
Bearing type	:	6311 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 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	30/09/2026		1 / 2	

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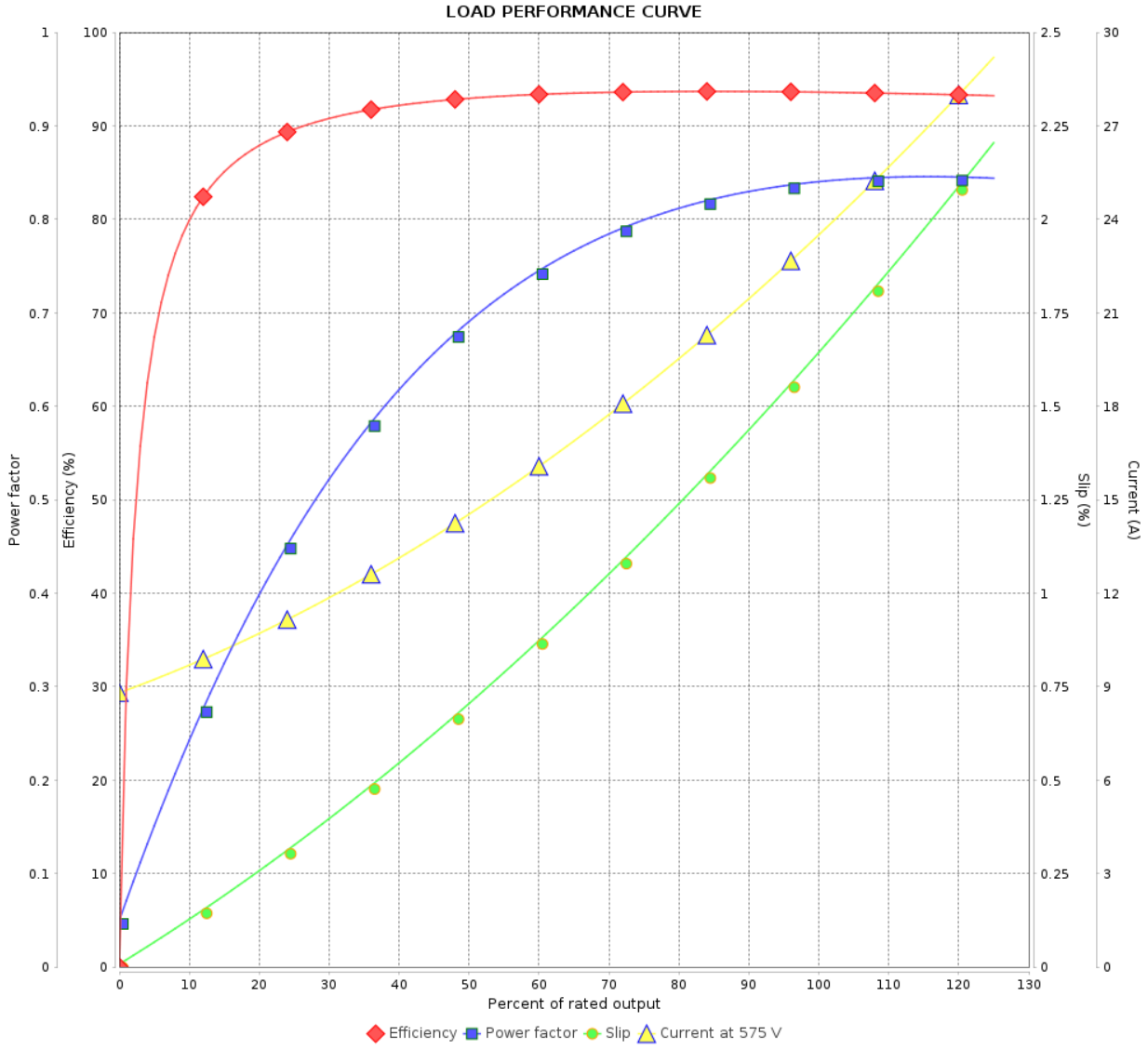
LOAD PERFORMANCE CURVE

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Product code : 16027711

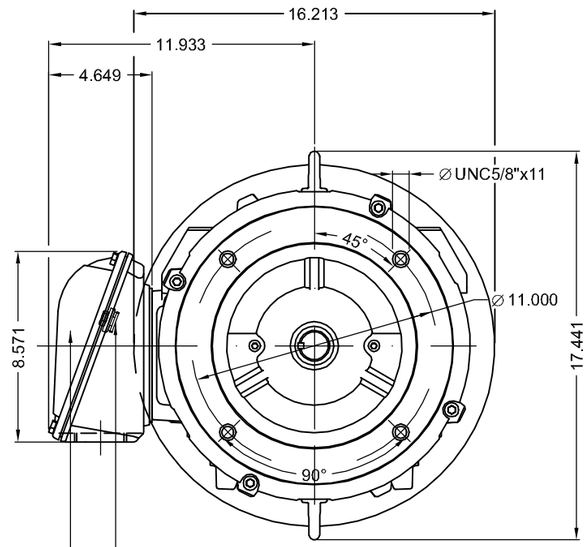


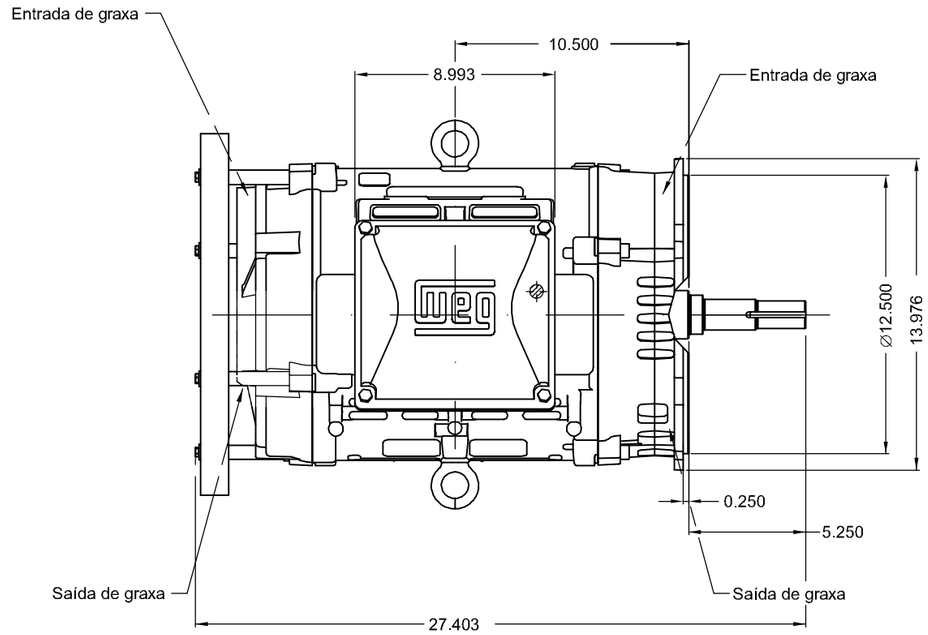
Performance	: 575 V 60 Hz 4P		
Rated current	: 23.6 A	Moment of inertia (J)	: 0.1563 kgm²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 10 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

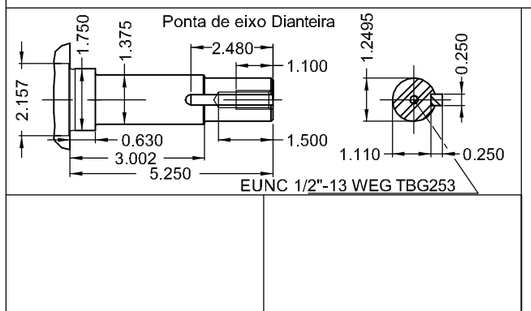
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Forma construtiva NEMA F-1

Forma construtiva B14D

25 HP 04 Polos 60Hz | A

V.J. PAMENSKY CANADA INC.

1:7

ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER
500001937728		INITIAL ISSUE - CLAIM 418236698	NOERNBERG	AMANDAL	AMANDAL	18.05.2021	00

EXECUTOR	NOERNBERG	MOTOR TRIFÁSICO W40 NEMA PREMIUM EFF	10008610512		
VERIFICADOR	AMANDAL	CARCAÇA 284/6JM IP23 ODP	000	00	
LIBERADOR	AMANDAL				
DATA LB.	18.05.2021	WMO Jaragua do Sul Engenharia de Produto	FOLHA	1 / 1	

CÓPIA SEM CONTROLE

LIBERADO

Dimensões em polegada

ZME A3

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