DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 JM Pump Single-Phase Product code : 18012461

Frame	: 182/4JM	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 10.7 A	Protection degree	: IP55
L. R. Amperes	: 72.8 A	Cooling method	: IC411 - TEFC
LRC	: 6.8x(Code K)	Mounting	: F-1
No load current	: 5.90 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1180 rpm	Noise level[2]	: 60.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 1.23 kgfm	Approx. weight[3]	: 50.0 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0255 kgm²		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	61.5	70.0	74.5
Power Factor	0.00	0.68	0.76	0.82

Foundation loads

Max. traction	: 36 kgf
Max. compression	: 86 kgf

		Drive end	Non drive end
Bearing type	:	6307 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	00088	

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	10/07/2026		1 / 2	

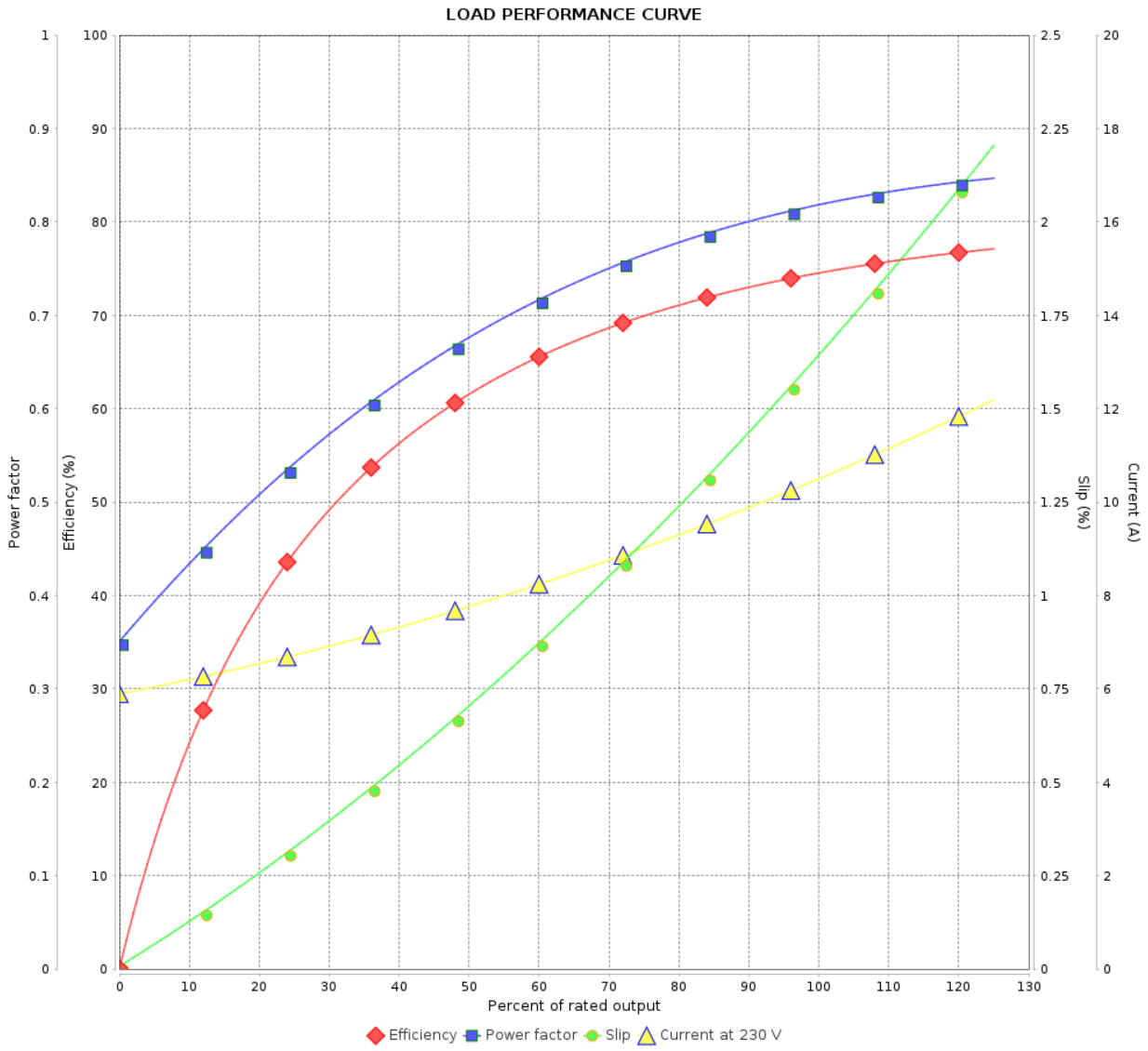
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 JM Pump Single-Phase Product code : 18012461

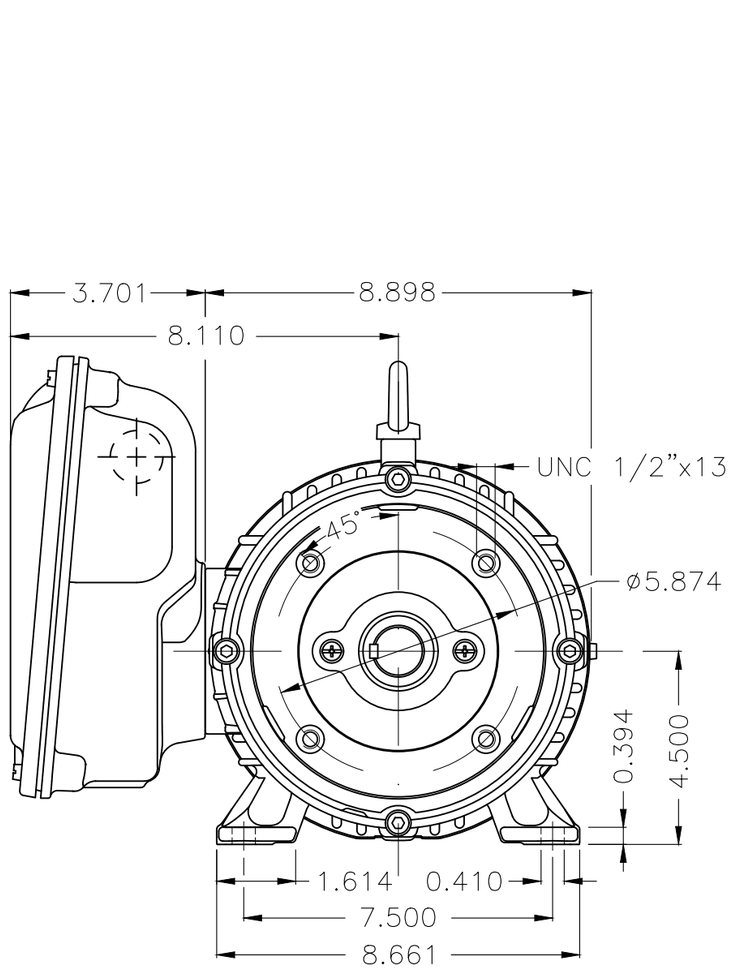


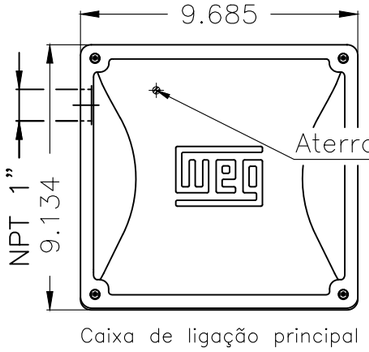
Performance	: 230 V 60 Hz 6P		
Rated current	: 10.7 A	Moment of inertia (J)	: 0.0255 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 1.23 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1180 rpm		

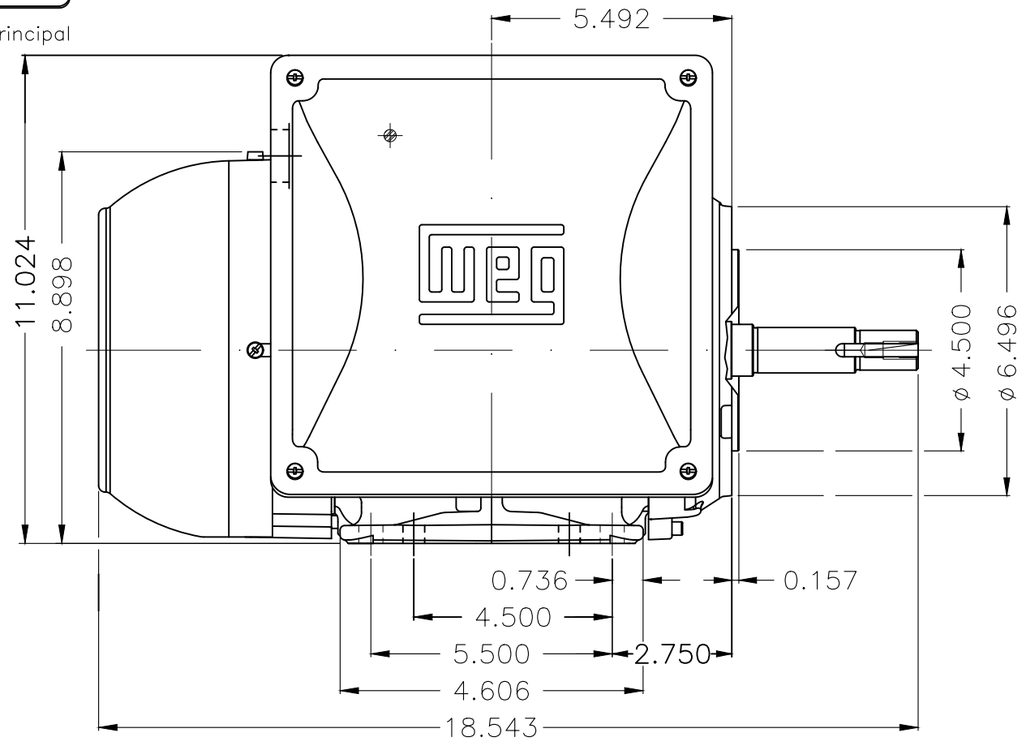
Rev.	Changes Summary	Performed	Checked	Date

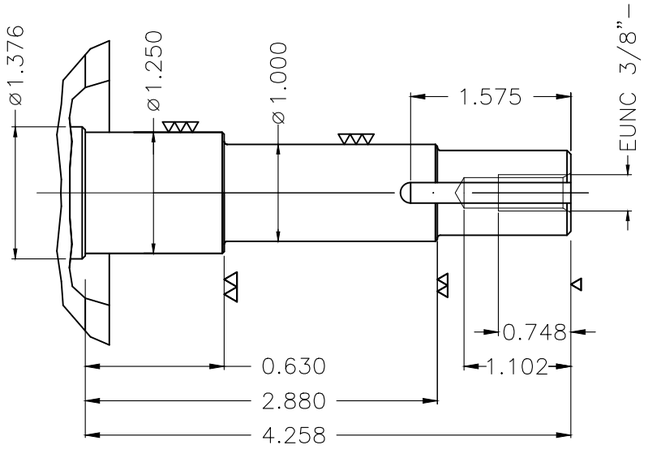
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Checked by			Page	Revision
Date	10/07/2026		2 / 2	

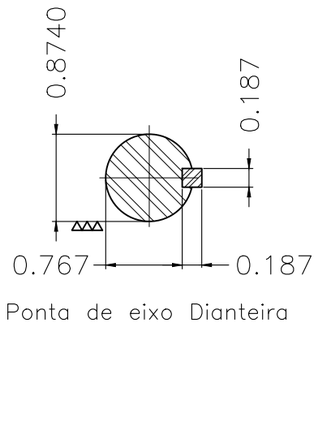
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Forma construtiva NEMA F-1							
Forma construtiva B34D							
V.J. PAMENSKY CANADA INC.							
500002658059		Documento novo 422288904	WRAFAEL	WRAFAEL	MAYARAPS	13.06.2024	00
ECM	LOC	RESUMO MODIFICAÇÃO	EXECUTADO	VERIFICADO	LIBERADO	DATA	VER

EXECUTOR	WRAFAEL	MOTOR MONO. W22 BOMBA JM	10012240960		
VERIFICADOR	WRAFAEL	CARCAÇA 182/4JM IP55 TEFC	000	00	
LIBERADOR	MAYARAPS				
DATA LB.	13.06.2024	WMO Jaragua do Sul Engenharia de Produto	FOLHA	1 / 1	

2 HP 06 Polos 60 Hz

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Dimensões em polegada

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