DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel JM Pump Single-Phase	Product code :	18774506

Frame	: 182/4JM	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 21.4-19.7 A	Protection degree	: IP55
	: 6.9x(Code G)	Cooling method	: IC411 - TEFC
Rated speed	: 3505 rpm	Mounting	: F-1
Rated torque	: 1.04 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 72.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0069 kgm²	Approx. weight[3]	: 40.9 kg
Design	: L		

Output	50%	75%	100%
Efficiency (%)	74.0	80.0	82.5
Power Factor	0.99	0.99	0.99

Foundation loads

Max. traction	: 42 kgf
Max. compression	: 83 kgf

		Drive end	Non drive end
Bearing type	:	6207 ZZ	6205 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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	02/04/2026		1 / 2	

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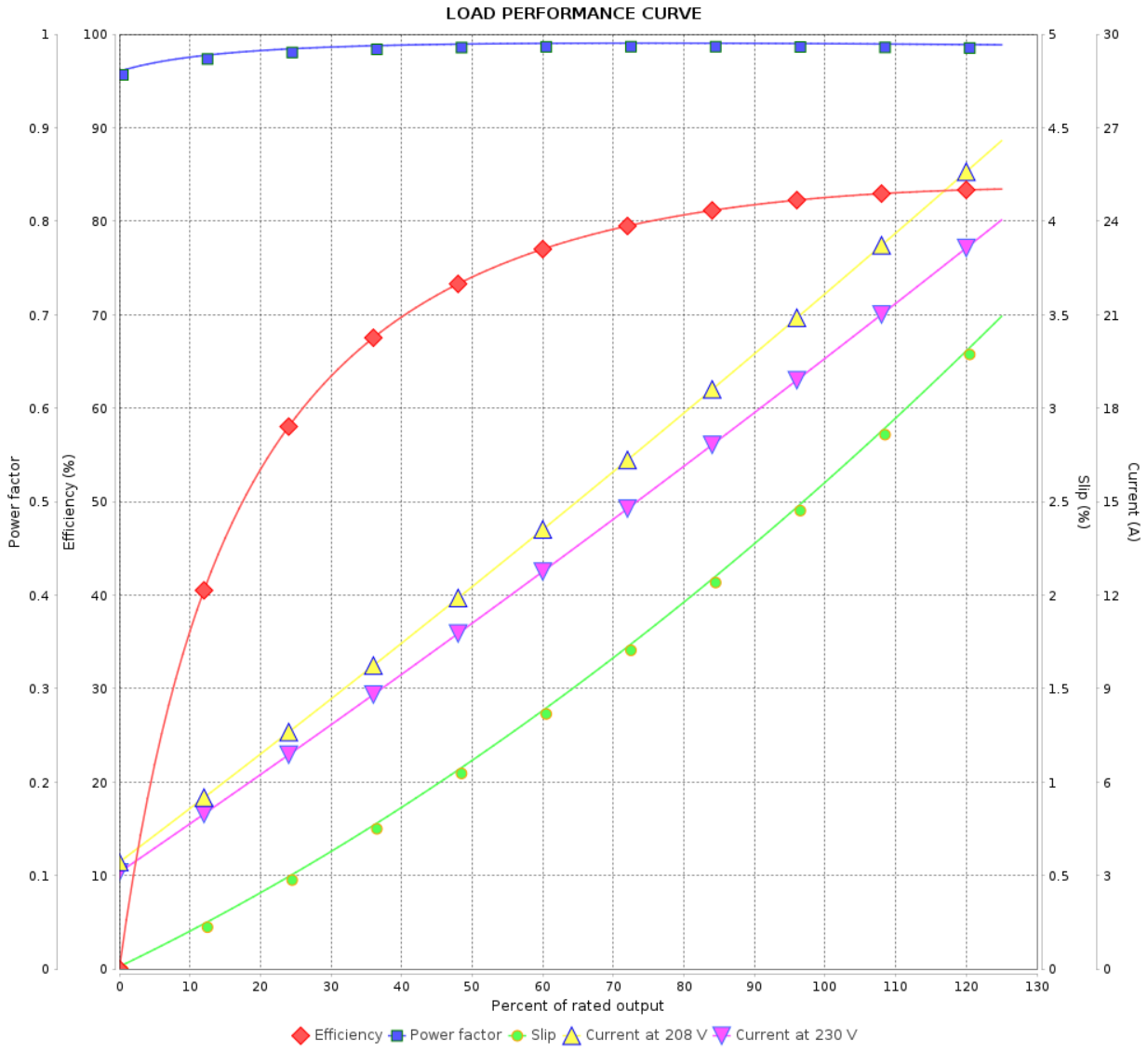
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

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Product line : Rolled Steel JM Pump Single-Phase

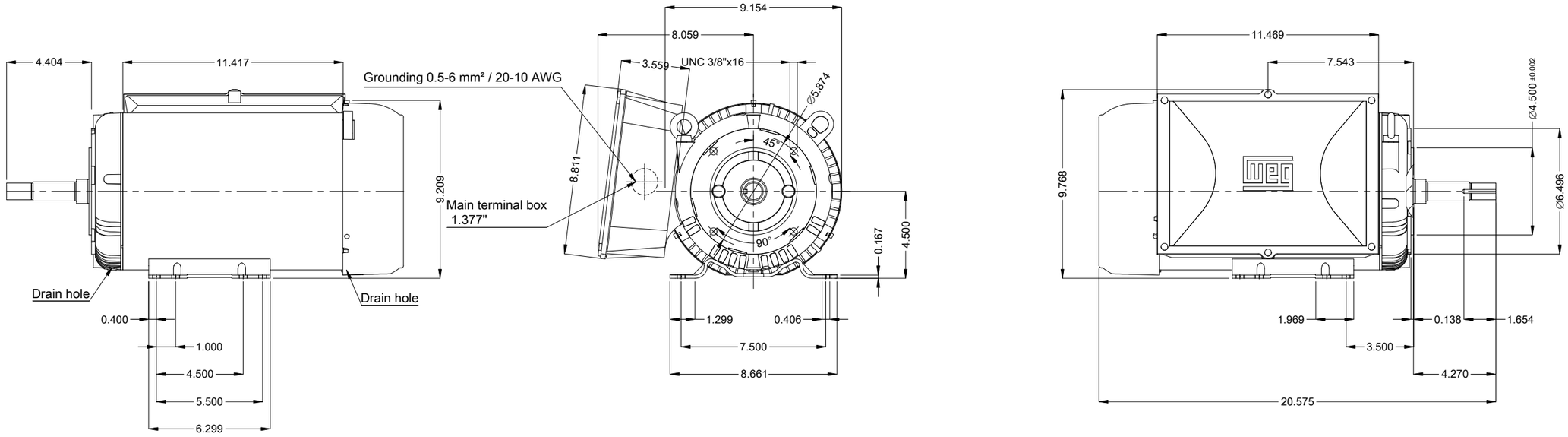
Product code : 18774506

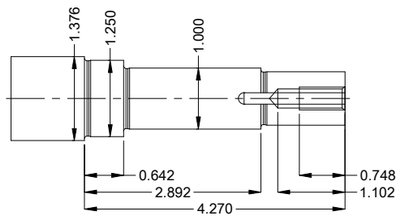


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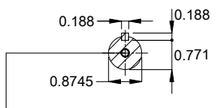
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DE Shaft End



EUNC 3/8"-16 WEG WPR-7309

Mounting MARKET F-1/B34R(D)

Mounting B34D

5 HP 02 Poles 60 Hz

A

Scale 1 : 6

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL JM

FRAME 182/4JM IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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