DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type Single-Phase

Product code : 18978298

Frame	: 56J	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 3 HP (2.2 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	: 13.6-12.5 A	Protection degree	: IP55
	: 8.2x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 3500 rpm	Mounting	: F-1
Rated torque	: 0.622 kgfm	Rotation[1]	: CCW
Insulation class	: F	Starting method	: Direct On Line
Service factor	: 1.15	Approx. weight[3]	: 20.5 kg
Moment of inertia (J)	: 0.0040 kgm²		
Design	: L		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	81.5	84.0	84.0
Power Factor	0.00	0.83	0.88	0.91

Foundation loads

Max. traction	: 46 kgf
Max. compression	: 66 kgf

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 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	26/06/2026		1 / 2	

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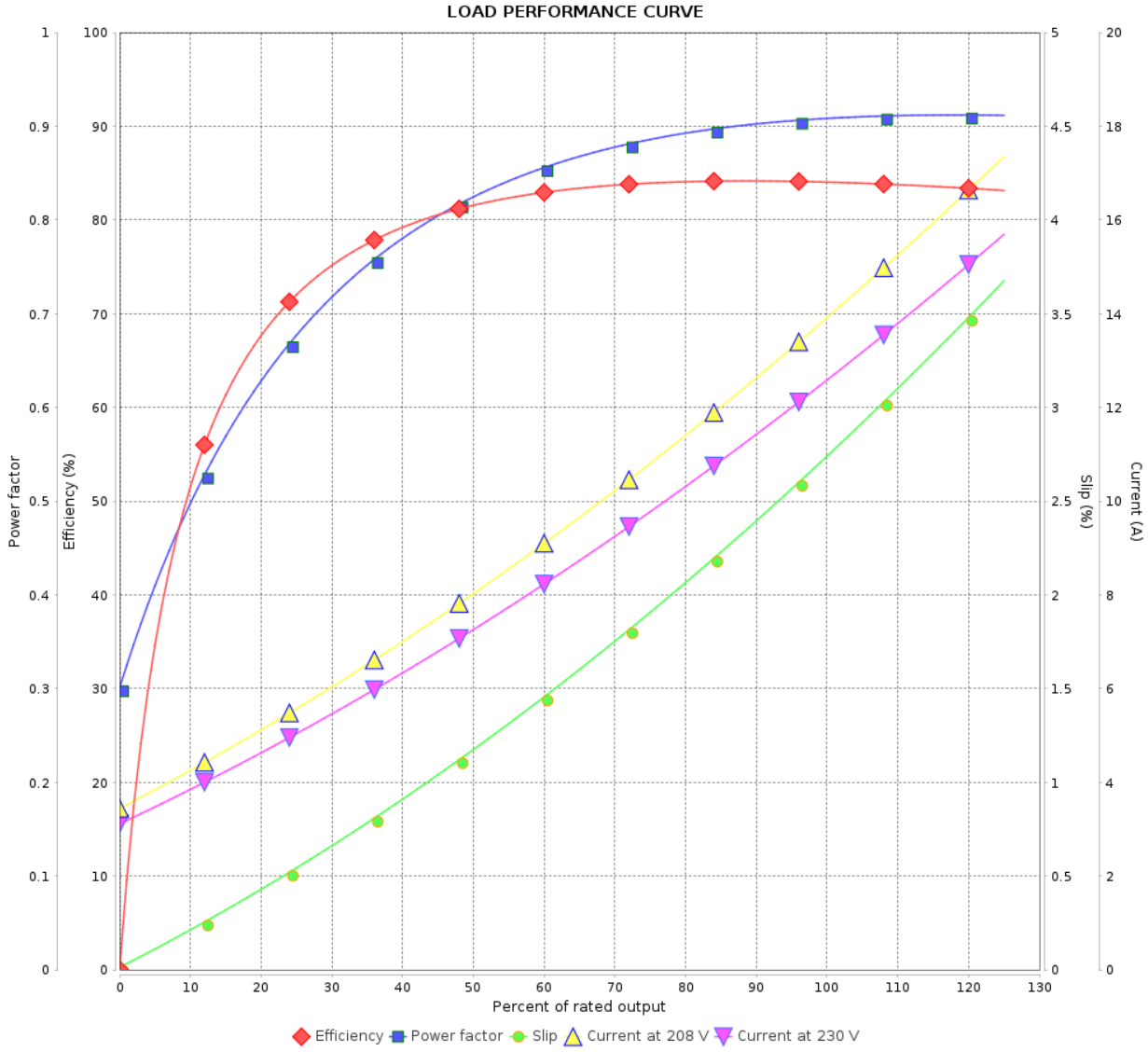
LOAD PERFORMANCE CURVE

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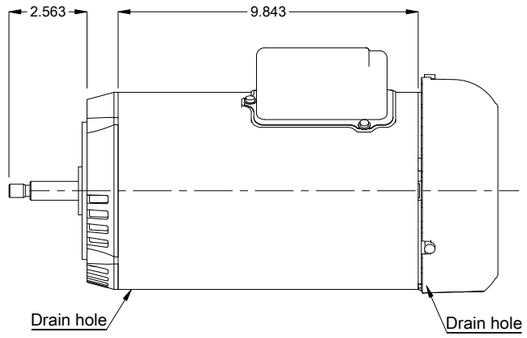
Product code : 18978298

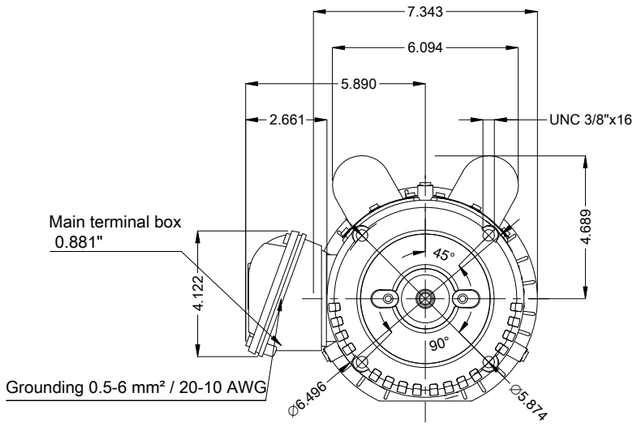


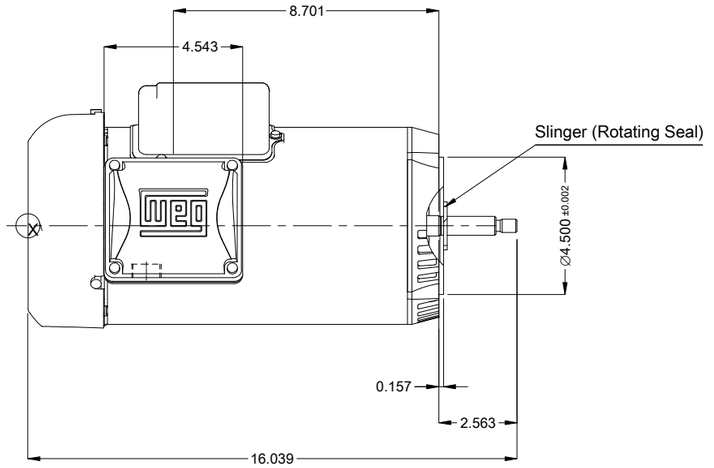
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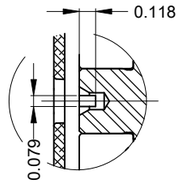
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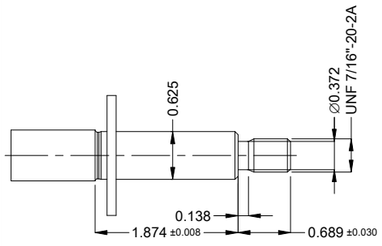








Detail X



Reinforce the foot with 2 mig welding spots
Shaft material - stainless steel AISI 304
Fan cover - steel plate
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B14R(D)
Mounting F-1/B14R(D)

3 HP 02 Poles 60 Hz | A

Scale 1 : 5

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREM EFF
FRAME 56J IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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