DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type
Premium Efficiency Three-Phase

Product code : 16039609

Frame	: W56J	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 1 HP (0.75 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	: 1.30 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 10.8 A	Mounting	: F-1
LRC	: 8.3x(Code M)	Rotation[1]	: CCW
No load current	: 0.800 A	Noise level[2]	: 62.0 dB(A)
Rated speed	: 3450 rpm	Vibration	: A
Slip	: 4.17 %	Starting method	: Direct On Line
Rated torque	: 0 kgfm	Approx. weight[3]	: 8.3 kg
Locked rotor torque	: 400 %	Painting plan	: 207N (ISO 12944 - C2)
Breakdown torque	: 409 %	Color	: Munsell N 1 - Matte
Insulation class	: F		
Service factor	: 1.40		
Moment of inertia (J)	: 0.0010 kgm²		

Output	50%	75%	100%
Efficiency (%)	70.0	75.5	77.0
Power Factor	0.55	0.68	0.75

Foundation loads

Max. traction	: 23 kgf
Max. compression	: 32 kgf

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	Without Bearing Seal	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	14/10/2026		1 / 2	

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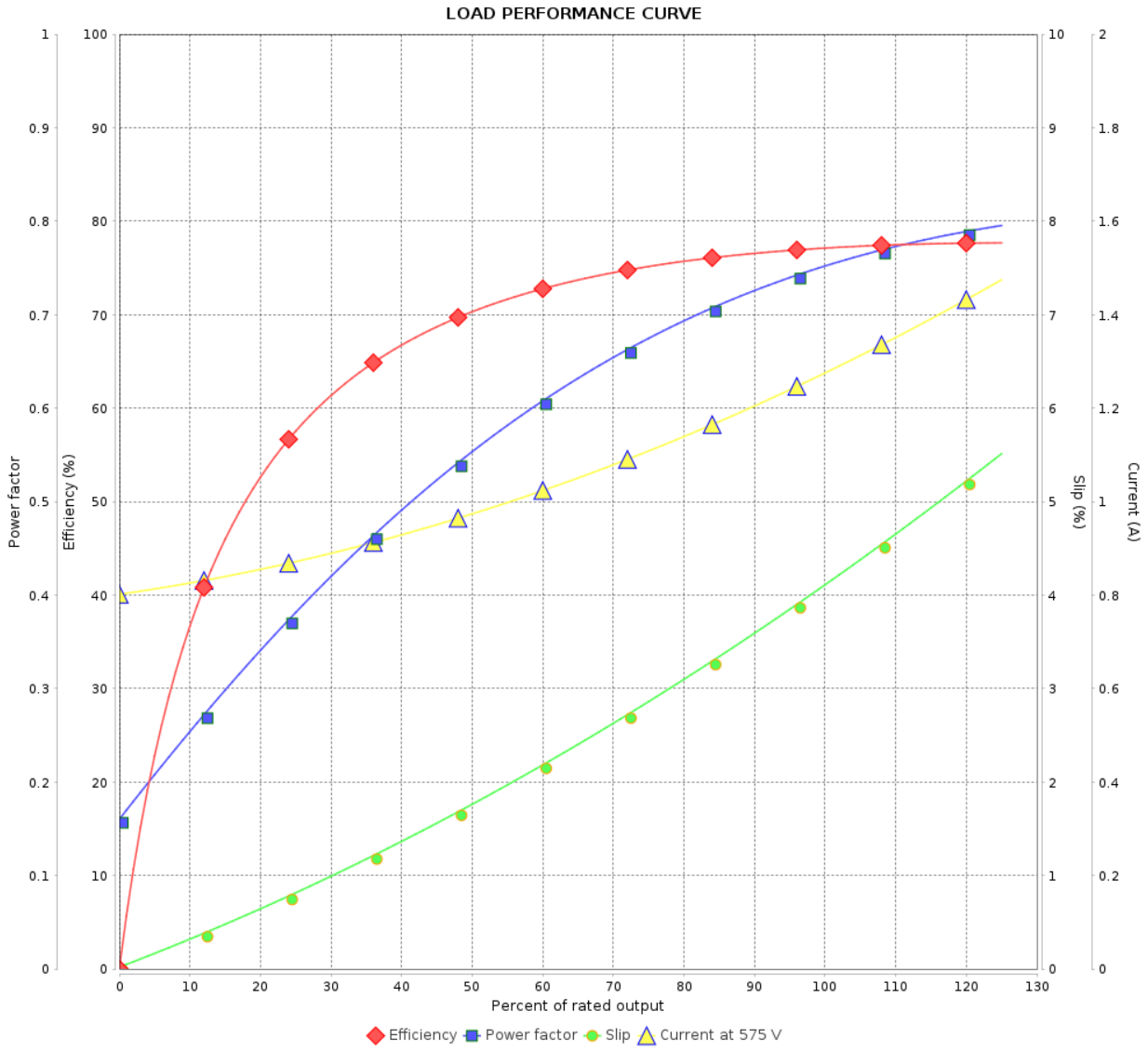
LOAD PERFORMANCE CURVE

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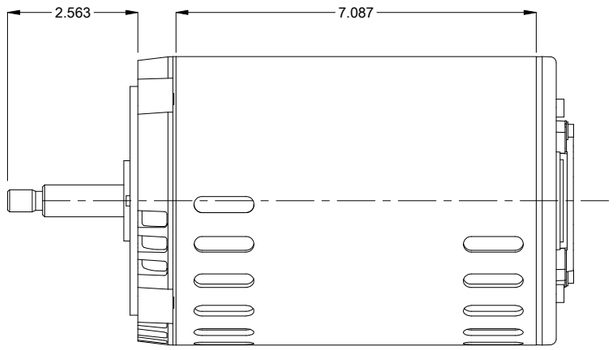


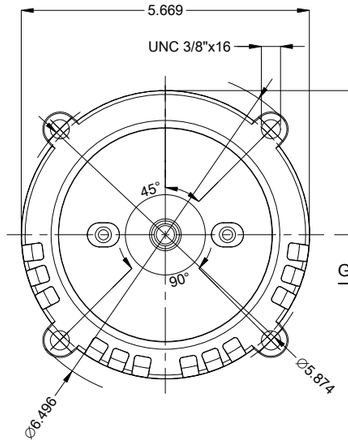
Performance	: 575 V 60 Hz 2P		
Rated current	: 1.30 A	Moment of inertia (J)	: 0.0010 kgm²
LRC	: 8.3	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	: 1.40
Breakdown torque	: 409 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm		

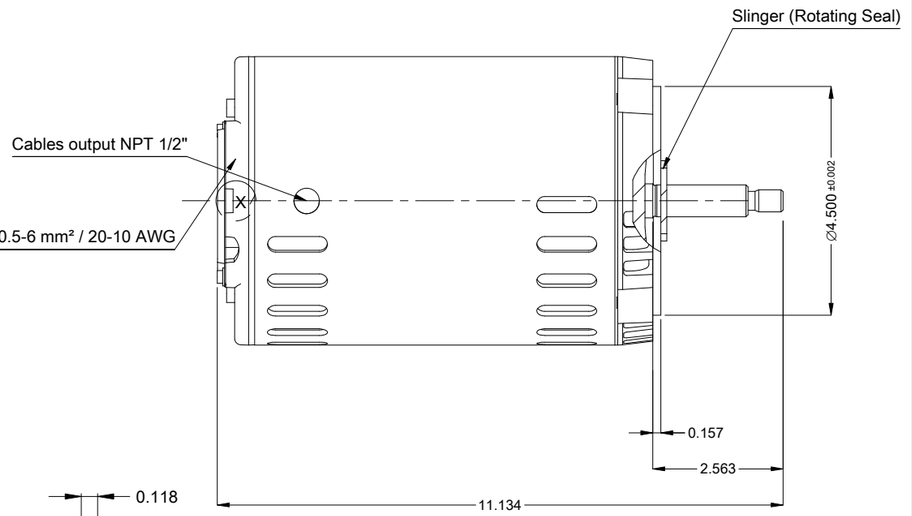
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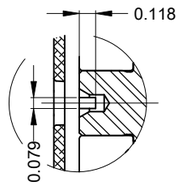
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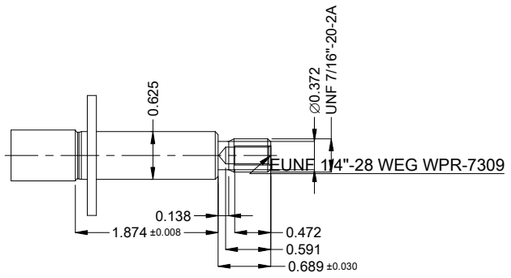








Detail X



Shaft material - stainless steel AISI 304
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B14R(D)
Mounting F-1/B14R(D)

1 HP 02 Poles 60 Hz | A

Scale 1 : 3

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREM EFF
FRAME W56J IP21 ODP

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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