

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Single-Phase	Product code : 13950889		
Frame	: 56J	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 19.6 kg		
Design	: L	Moment of inertia (J) : 0.0036 kgm ²		
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		230		
Rated current [A]		13.2		
L. R. Amperes [A]		106		
LRC [A]		8.0x(Code K)		
No load current [A]		4.50		
Rated speed [RPM]		3485		
Slip [%]		3.19		
Rated torque [kgfm]		0.625		
Locked rotor torque [%]		200		
Breakdown torque [%]		250		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		10s (cold) 6s (hot)		
Noise level ²		58.0 dB(A)		
Efficiency (%)	25%			
	50%	71.0		
	75%	76.0		
	100%	78.0		
Power Factor	25%			
	50%	0.85		
	75%	0.91		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 39 kgf		
Lubrication interval	: - -	Max. compression : 59 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
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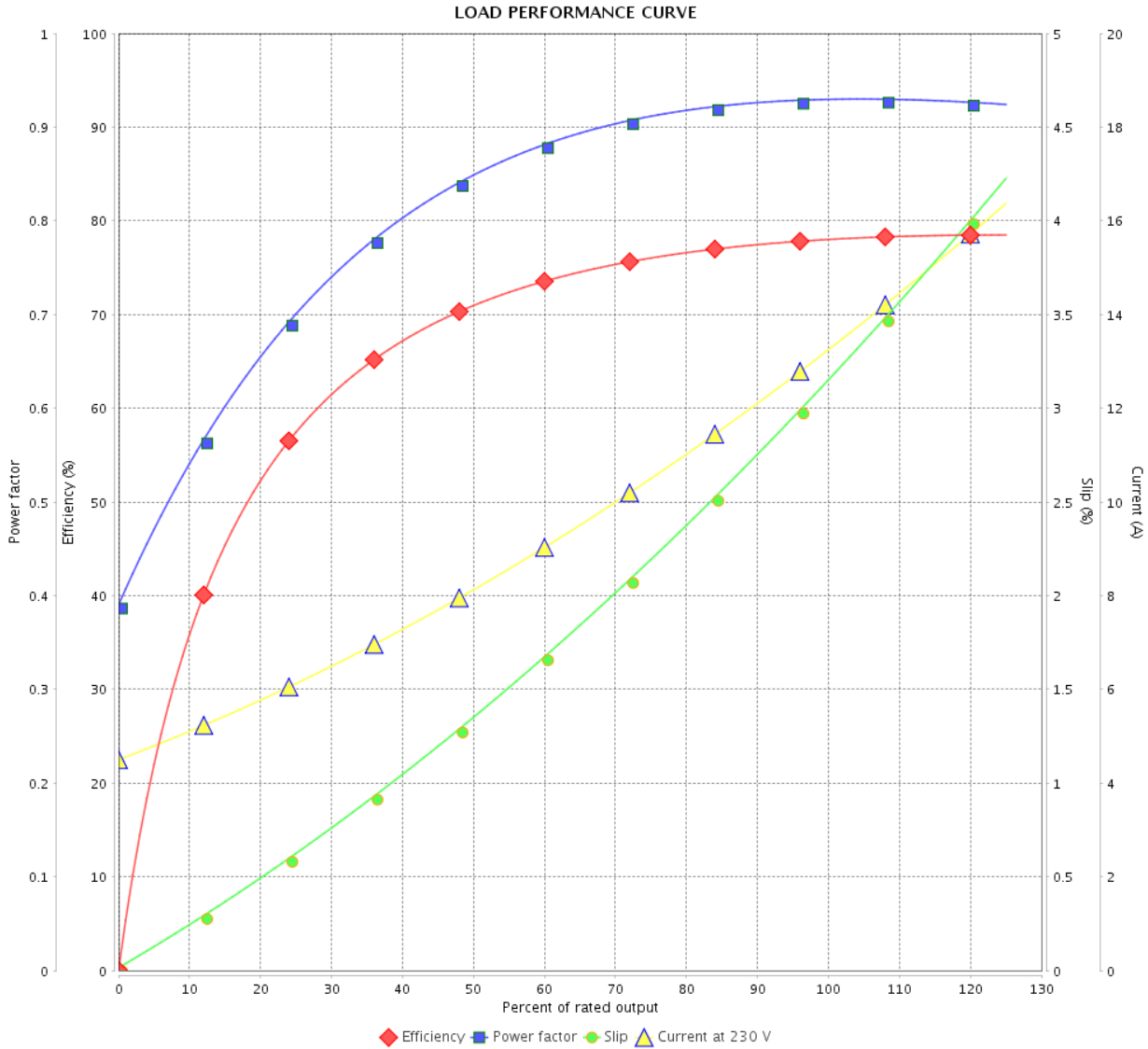
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 13950889



Performance : 230 V 60 Hz 2P

Rated current	: 13.2 A	Moment of inertia (J)	: 0.0036 kgm ²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.625 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3485 rpm	Design	: L

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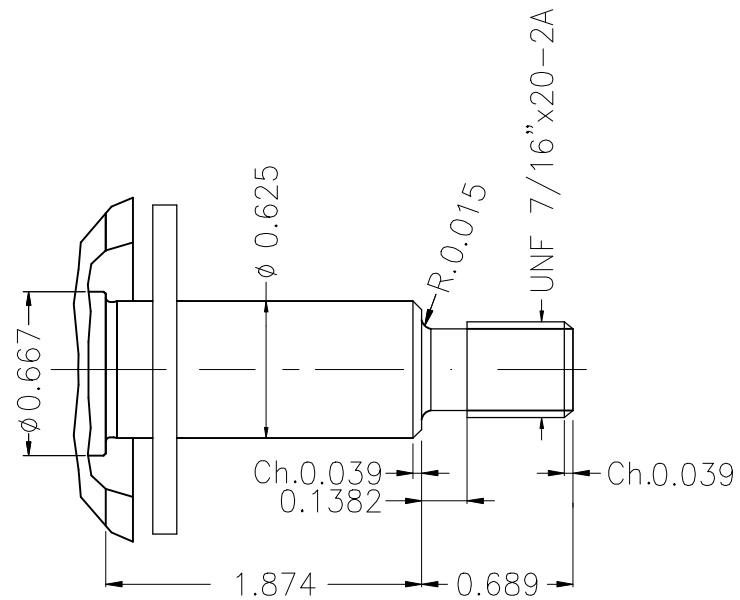
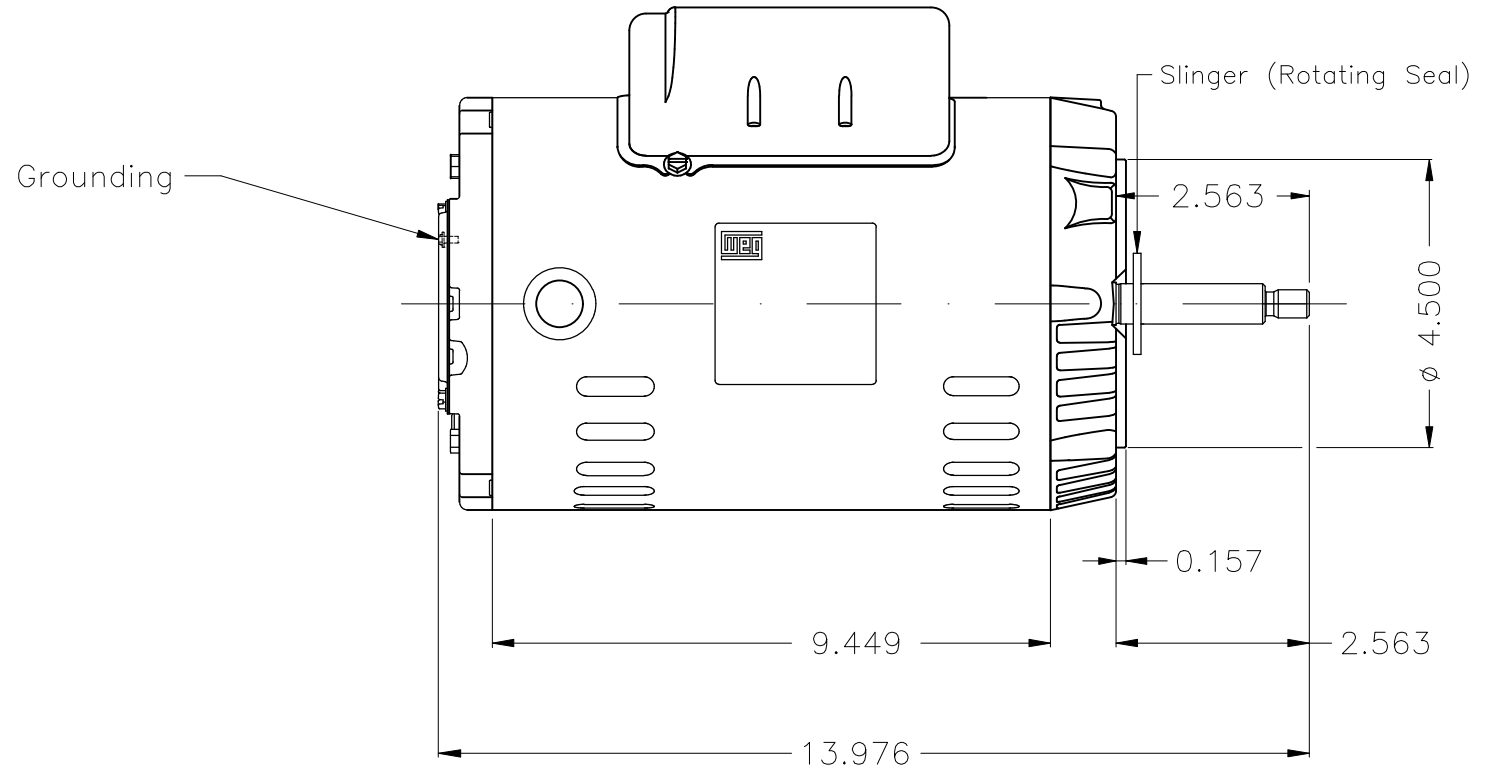
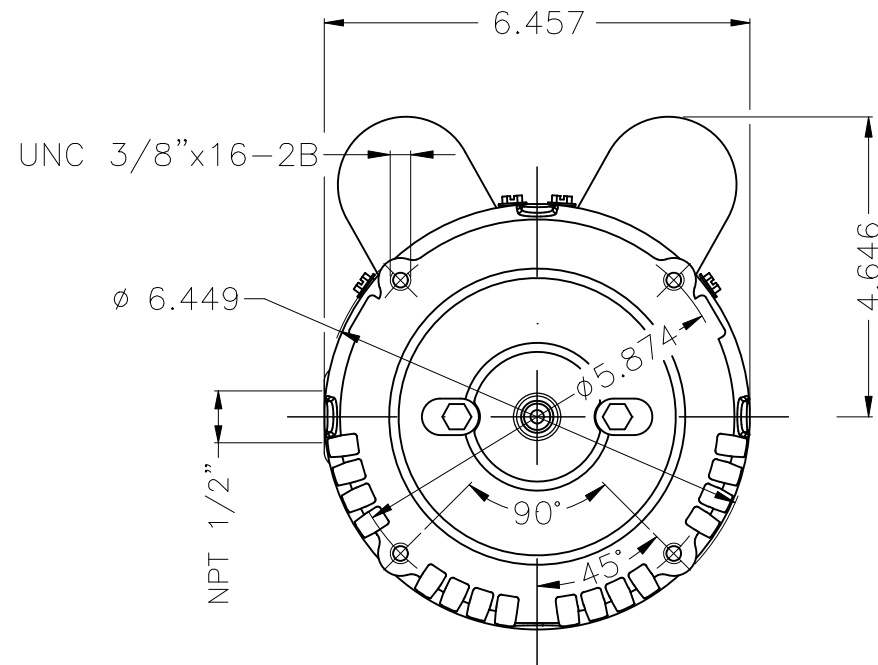
A

B

C

D

E



Dimensions in inches

Color Munsell N 1 matte black
 Painting plan 207N
 Mounting F-1/B14R(D)

ECM		LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED		HYBRISUSER		SINGLE PH. MOTOR ROLLED STEEL JET PUMP THREADED				
CHECKED			FRAME 56J IP21 ODP					
RELEASED								
REL. DATE		WMO	Jaragua do Sul	Product Engineering	PREVIEW	WDD	00	
				SHEET	1 / 1			

3 HP 02 Poles 60 Hz

A



XME A3