

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10749078		
Frame	: B56J		Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 0.75 HP (0.55 kW)		Temperature rise	: 80 K		
Poles	: 2		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 115/208-230 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 10.4/5.00-5.20 A		Protection degree	: IP55		
L. R. Amperes	: 65.5/31.5-32.8 A		Cooling method	: IC411 - TEFC		
LRC	: 6.3x(Code K)		Mounting	: F-1		
No load current	: 7.60/3.28-3.80 A		Rotation ¹	: CCW		
Rated speed	: 3490 rpm		Noise level ²	: 55.0 dB(A)		
Slip	: 3.06 %		Starting method	: Direct On Line		
Rated torque	: 0.157 kgfm		Approx. weight ³	: 12.7 kg		
Locked rotor torque	: 300 %					
Breakdown torque	: 290 %					
Insulation class	: B					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0017 kgm ²					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	52.0	60.0	64.0	Max. traction : 8 kgf		
Power Factor	0.54	0.64	0.72	Max. compression : 20 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6203 2RS		6202 2RS		
Sealing	:	V'Ring		V'Ring		
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
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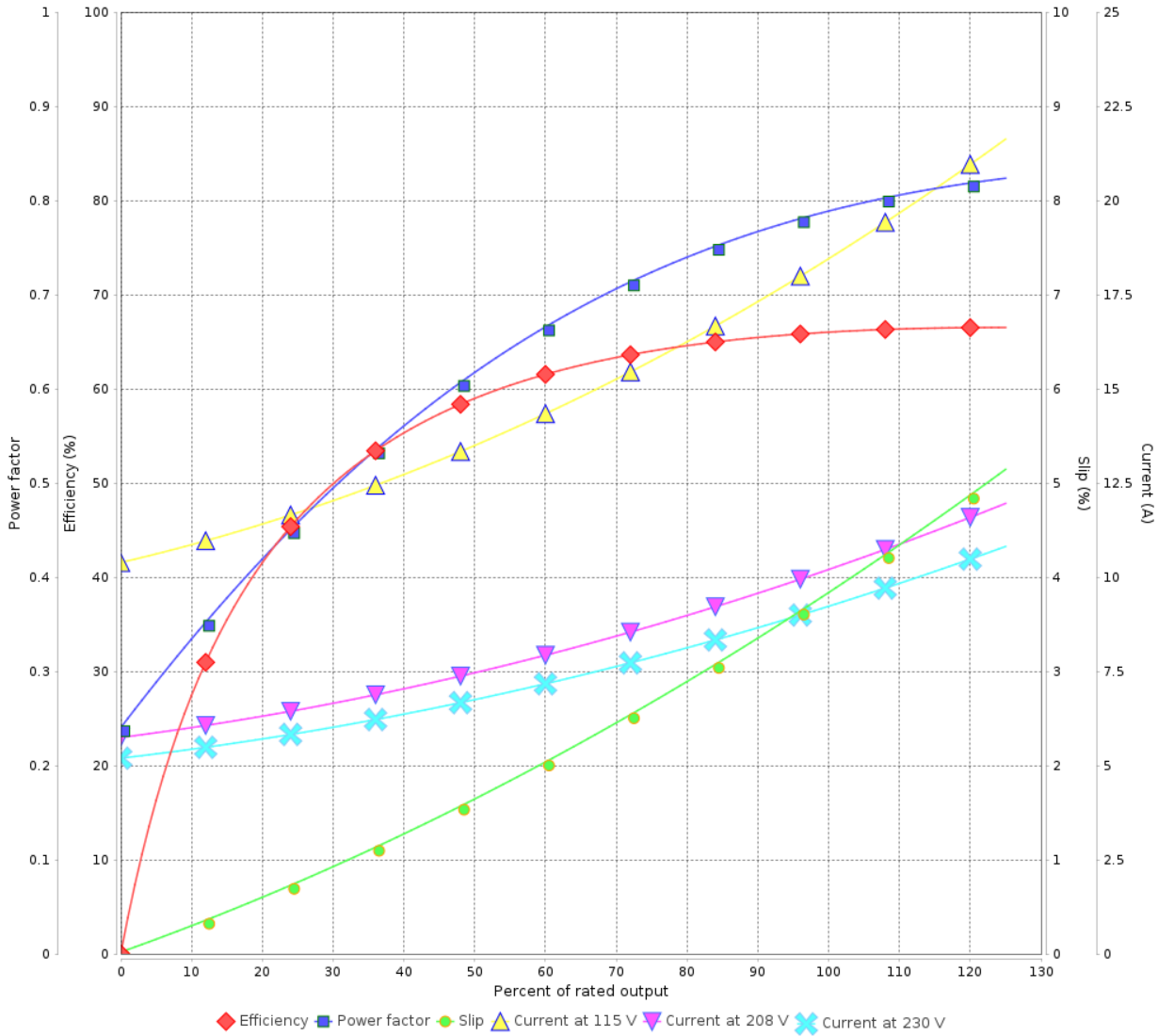
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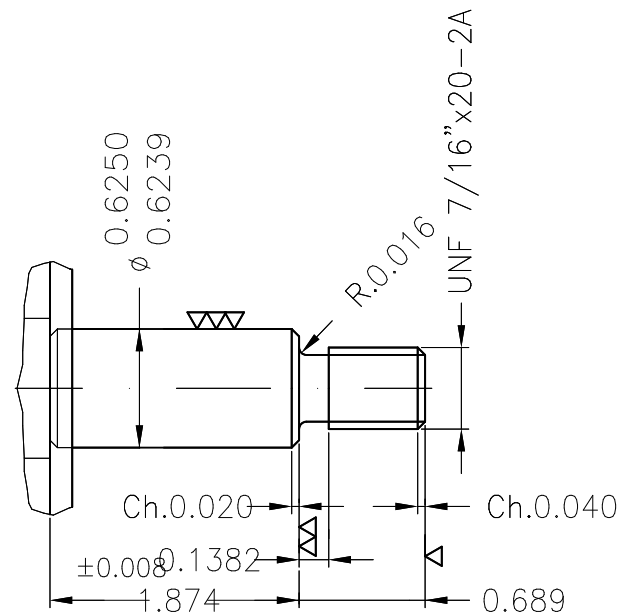
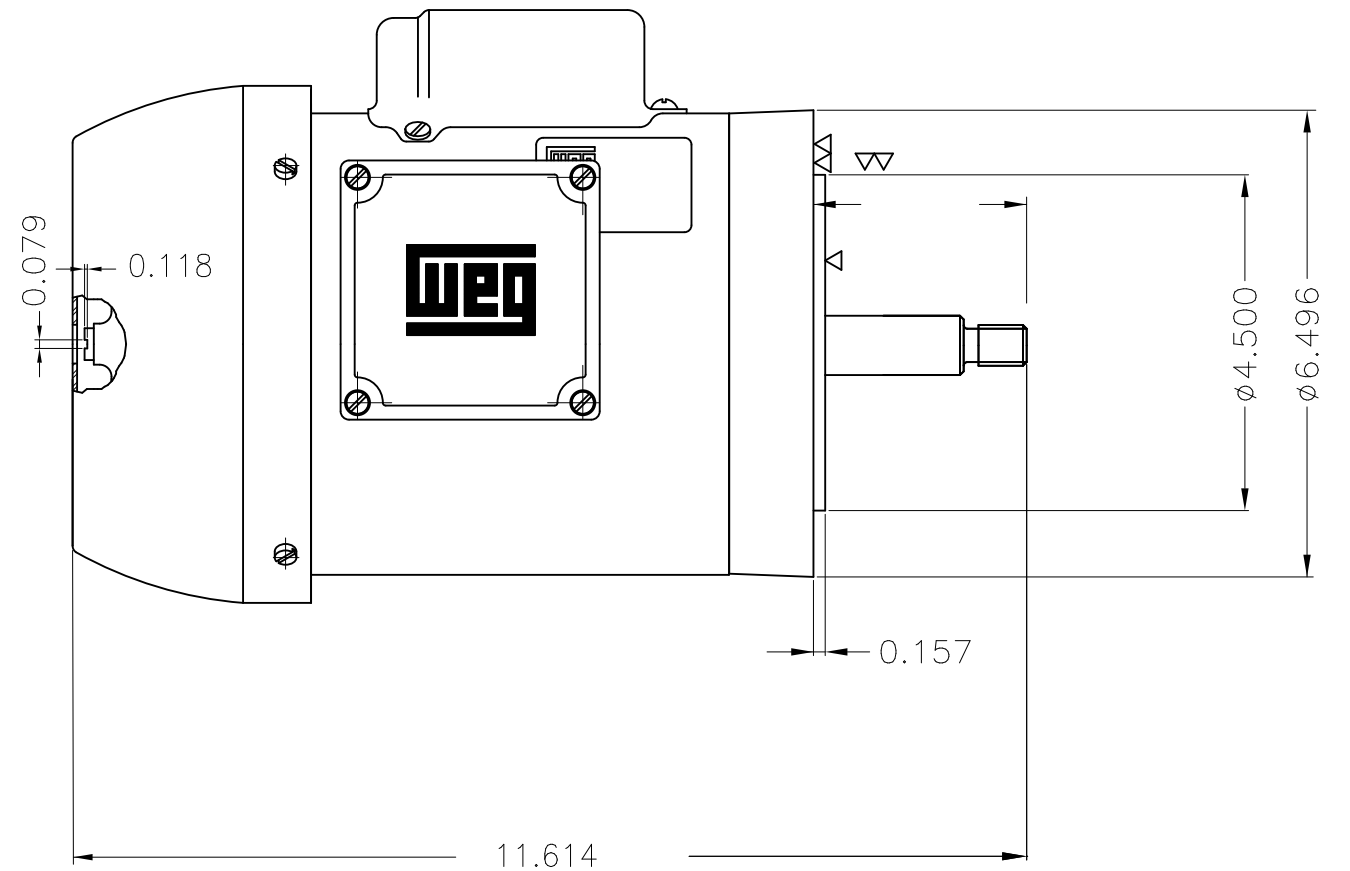
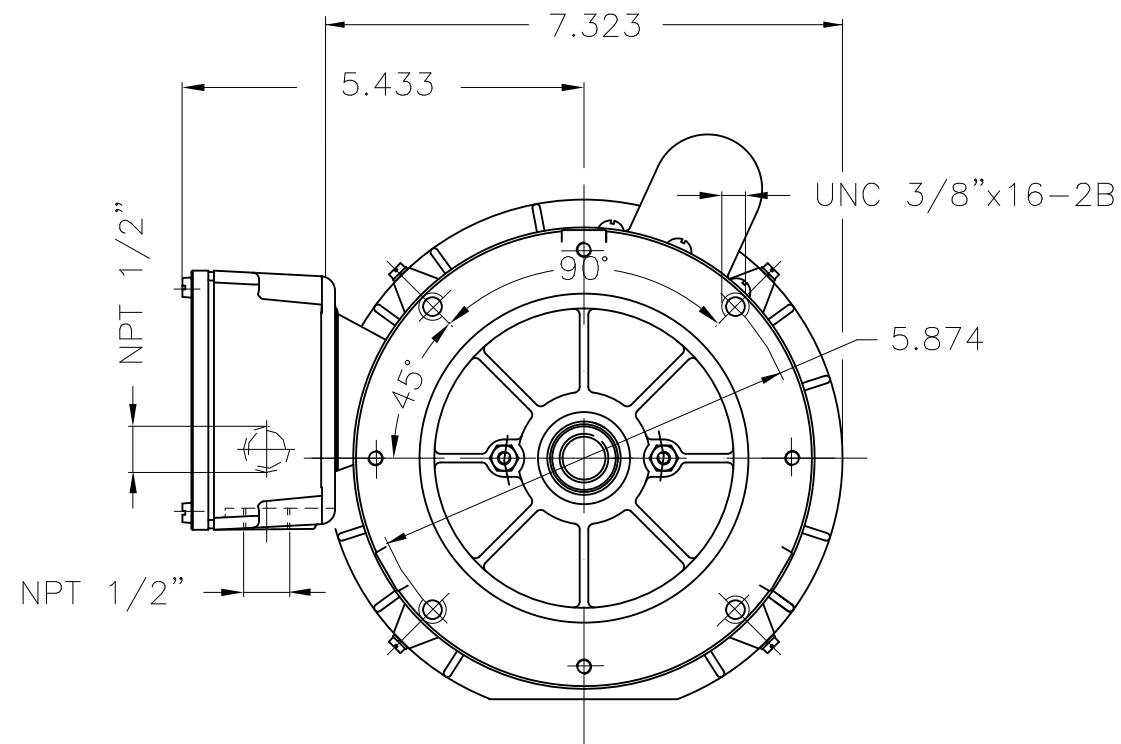
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Performance : 115/208-230 V 60 Hz 2P

Rated current	: 10.4/5.00-5.20 A	Moment of inertia (J)	: 0.0017 kgm ²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.157 kgfm	Insulation class	: B
Locked rotor torque	: 300 %	Service factor	:
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3490 rpm		

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Mounting B14R(D)						
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR CENTRIFUGAL PUMP				
CHECKED		FRAME B56J IP55 TEFC				
RELEASED						
REL. DATE	WMO	Jaragua do Sul	Product Engineering	PREVIEW		
				WDD	00	
				SHEET	1 / 1	

3/4 HP 02 Poles 60 Hz