

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Farm Duty Single-Phase		Product code : 11950656		
Frame	: B56C		Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 0.33 HP (0.25 kW)		Temperature rise	: 80 K		
Poles	: 4		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 115/230 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 5.60/2.80 A		Protection degree	: IP55		
L. R. Amperes	: 32.5/16.2 A		Cooling method	: IC411 - TEFC		
LRC	: 5.8x(Code N)		Mounting	: F-1		
No load current	: 4.60/2.30 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1750 rpm		Noise level ²	: 55.0 dB(A)		
Slip	: 2.78 %		Starting method	: Direct On Line		
Rated torque	: 0.137 kgfm		Approx. weight ³	: 10.7 kg		
Locked rotor torque	: 340 %					
Breakdown torque	: 280 %					
Insulation class	: B					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0026 kgm ²					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	49.0	58.0	61.0	Max. traction : 7 kgf		
Power Factor	0.44	0.53	0.62	Max. compression : 17 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6203 ZZ		6202 ZZ		
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
Performed by						
Checked by					Page	Revision
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LOAD PERFORMANCE CURVE

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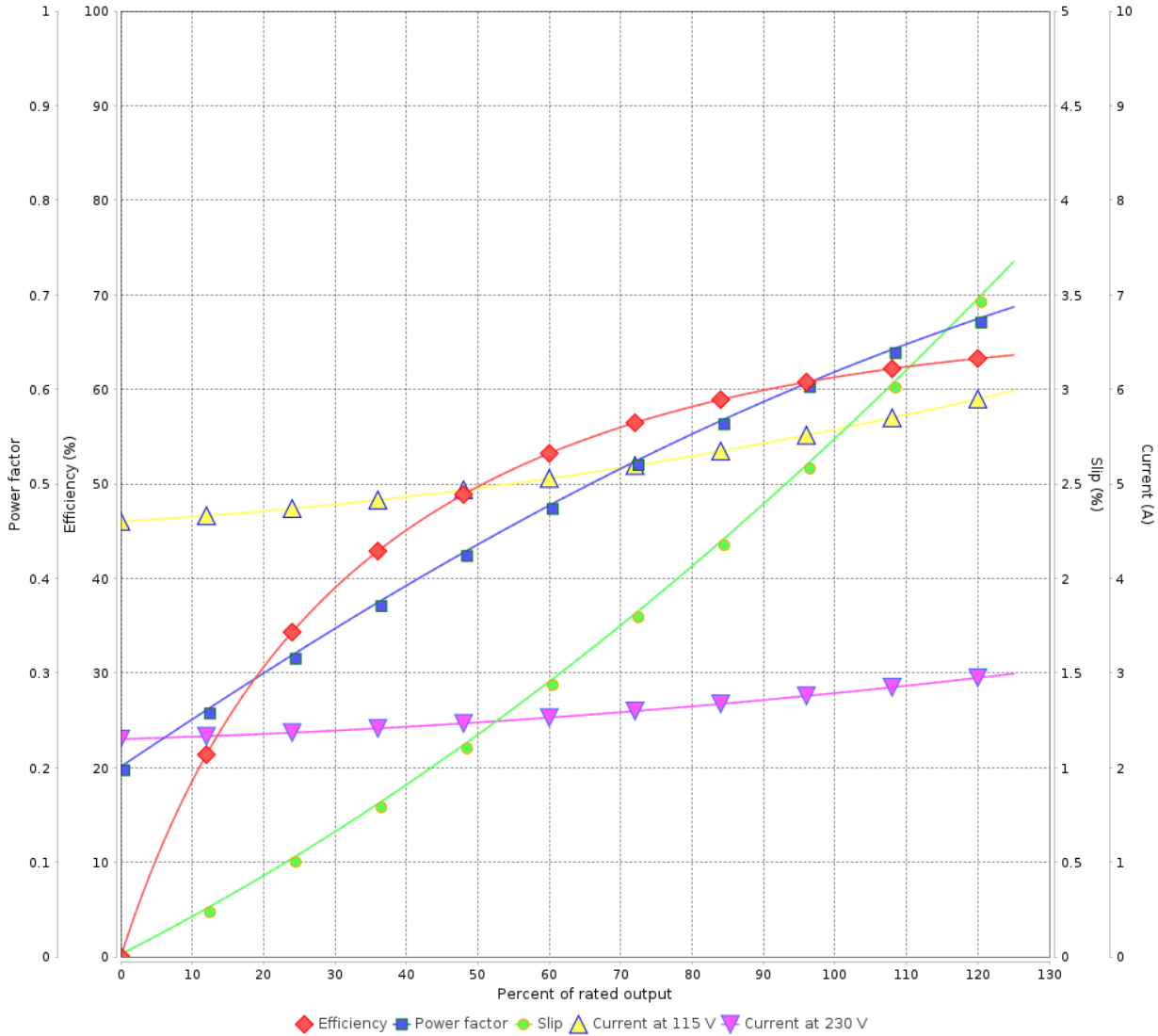


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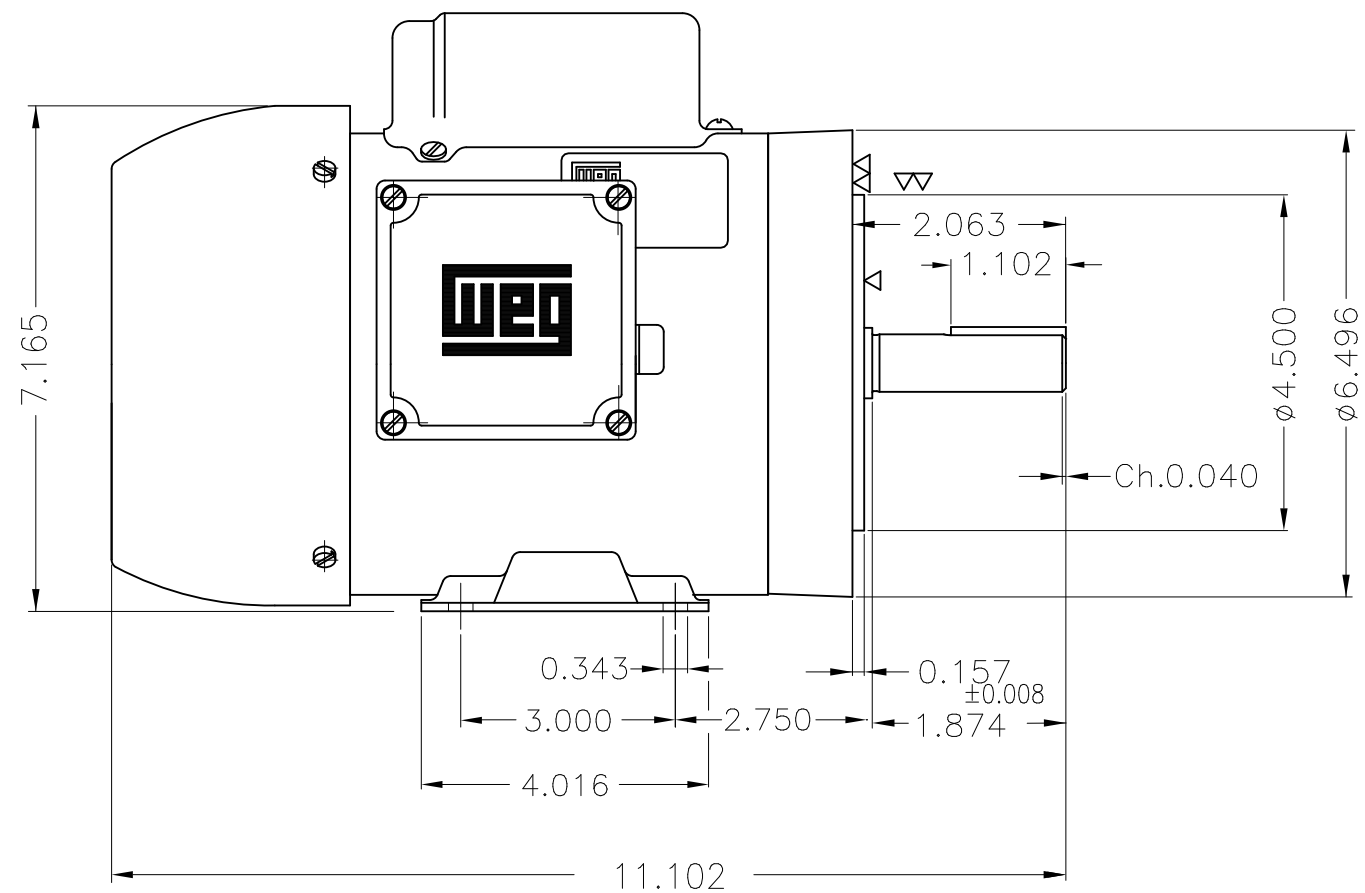
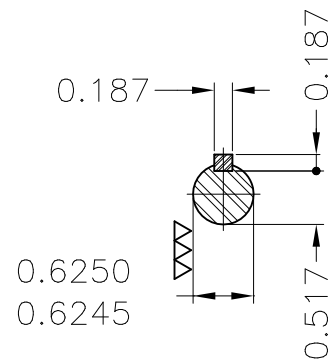
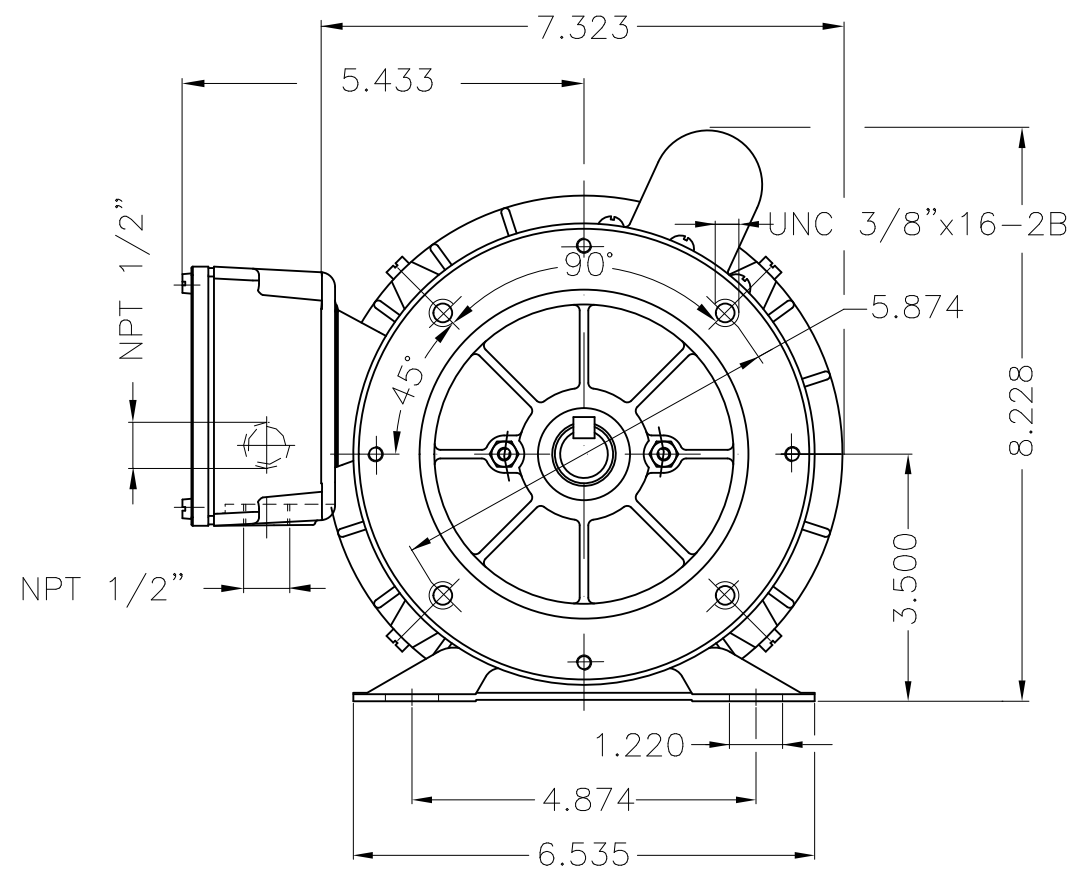


Performance : 115/230 V 60 Hz 4P

Rated current : 5.60/2.80 A
 LRC : 5.8
 Rated torque : 0.137 kgfm
 Locked rotor torque : 340 %
 Breakdown torque : 280 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0026 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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A
B
C
D
E

1 2 3 4 5 6

1/3 HP 04 Poles 60 Hz

Mounting B34R(D)									
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	DATAVIEWERUSER	SINGLE PH. MOTOR FARM DUTY							
CHECKED		FRAME B56C IP55 TEFC							
RELEASED									
REL DT.	WMO	Jaragua do Sul	Product Engineering						

PREVIEW
WDD



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