

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Farm Duty Single-Phase Product code : 12058468

Frame	: B56C	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.75 HP (0.55 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	: 10.6/5.30 A	Protection degree	: IP55
L. R. Amperes	: 65.7/32.9 A	Cooling method	: IC411 - TEFC
LRC	: 6.2x(Code M)	Mounting	: F-1
No load current	: 8.00/4.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1745 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 0.312 kgfm	Approx. weight ³	: 13.5 kg
Locked rotor torque	: 300 %		
Breakdown torque	: 250 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0041 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	58.5	66.0	68.5	Max. traction	: 18 kgf
Power Factor	0.47	0.58	0.66	Max. compression	: 31 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		Page 1 / 2 Revision		
Checked by				
Date	20/10/2024			

LOAD PERFORMANCE CURVE

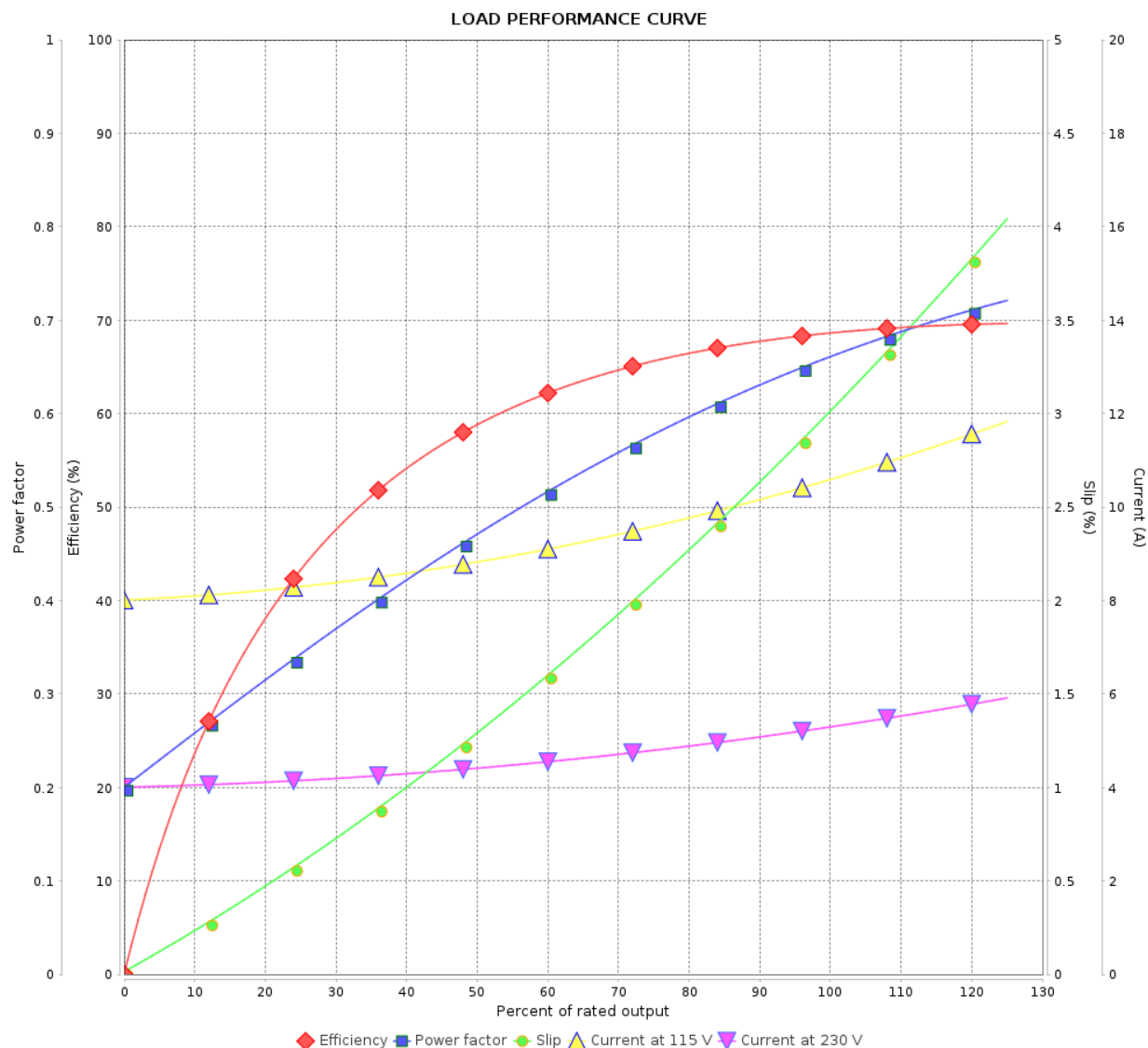
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Product line : Farm Duty Single-Phase

Product code : 12058468

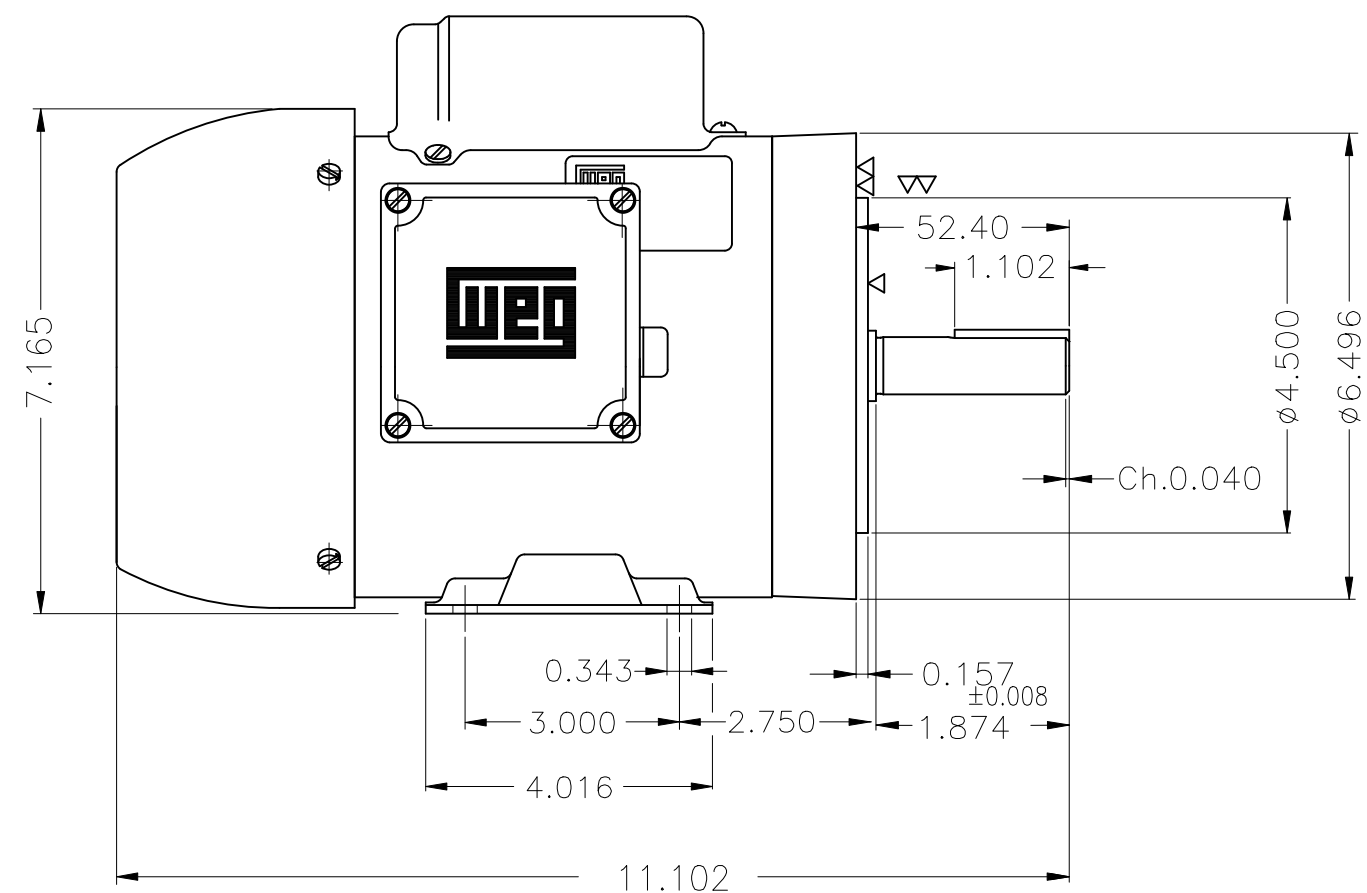
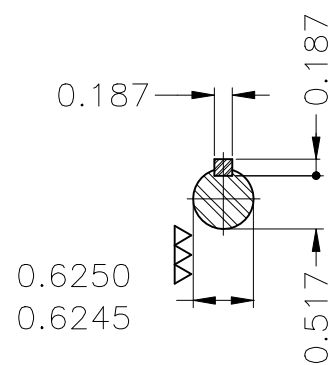
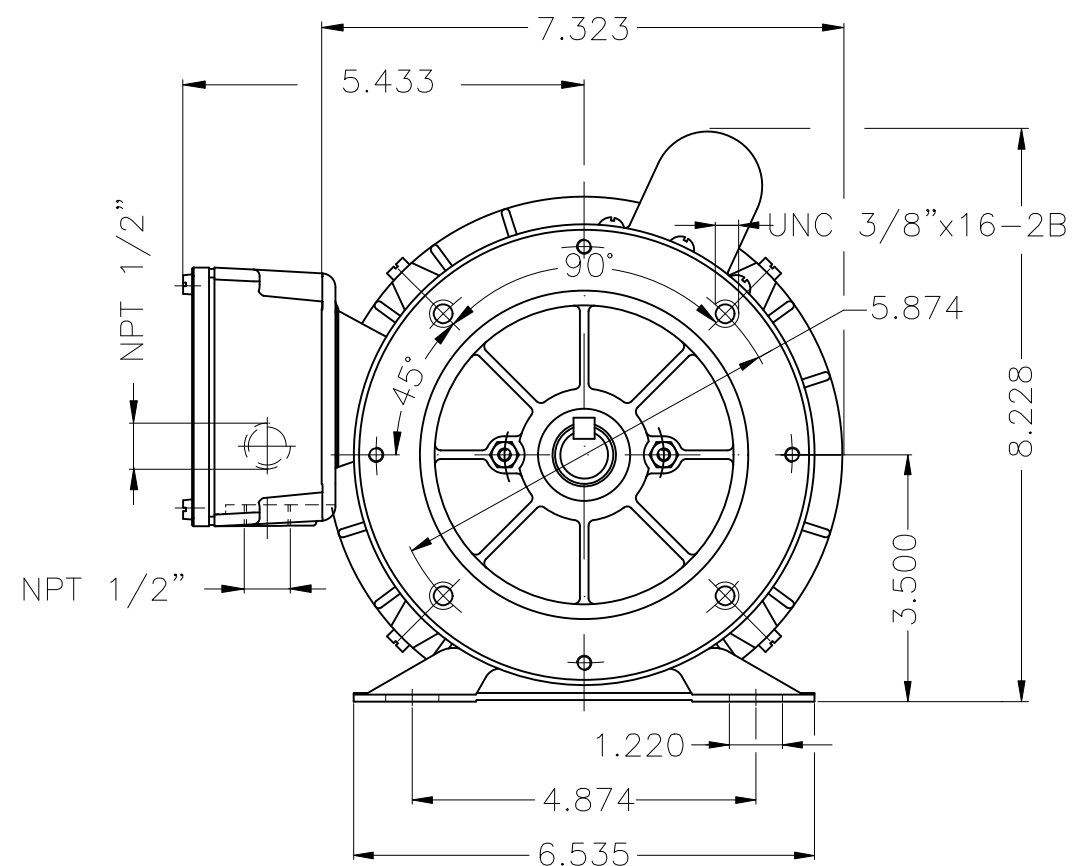


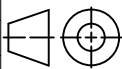

Performance : 115/230 V 60 Hz 4P

Rated current : 10.6/5.30 A
LRC : 6.2
Rated torque : 0.312 kgfm
Locked rotor torque : 300 %
Breakdown torque : 250 %
Rated speed : 1745 rpm

Moment of inertia (J) : 0.0041 kgm²
Duty cycle : Cont.(S1)
Insulation class : B
Service factor : 1.15
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
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Date	20/10/2024			



Mounting B34D									
				HYBRISUSER					00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR FARM DUTY FRAME B56C IP55 TEFC	PREVIEW					
CHECKED				WDD 00					
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			