

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: 00022 Single-Phase	Product code : 15059894		
Frame	: W56C	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 8.7 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0017 kgm <sup>2</sup>		
Design	: N			
Output [HP]		0.33		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/230		
Rated current [A]		6.00/3.00		
L. R. Amperes [A]		33.6/16.8		
LRC [A]		5.6x(Code N)		
No load current [A]		5.40/2.70		
Rated speed [RPM]		1735		
Slip [%]		3.61		
Rated torque [kgfm]		0.138		
Locked rotor torque [%]		320		
Breakdown torque [%]		280		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		21s (cold) 12s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%			
	50%	46.0		
	75%	55.0		
	100%	61.0		
Power Factor	25%			
	50%	0.42		
	75%	0.51		
	100%	0.59		
Bearing type	: Drive end : 6203 2RS Non drive end : 6202 2RS	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 8 kgf		
Lubrication interval	: - -	Max. compression : 16 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

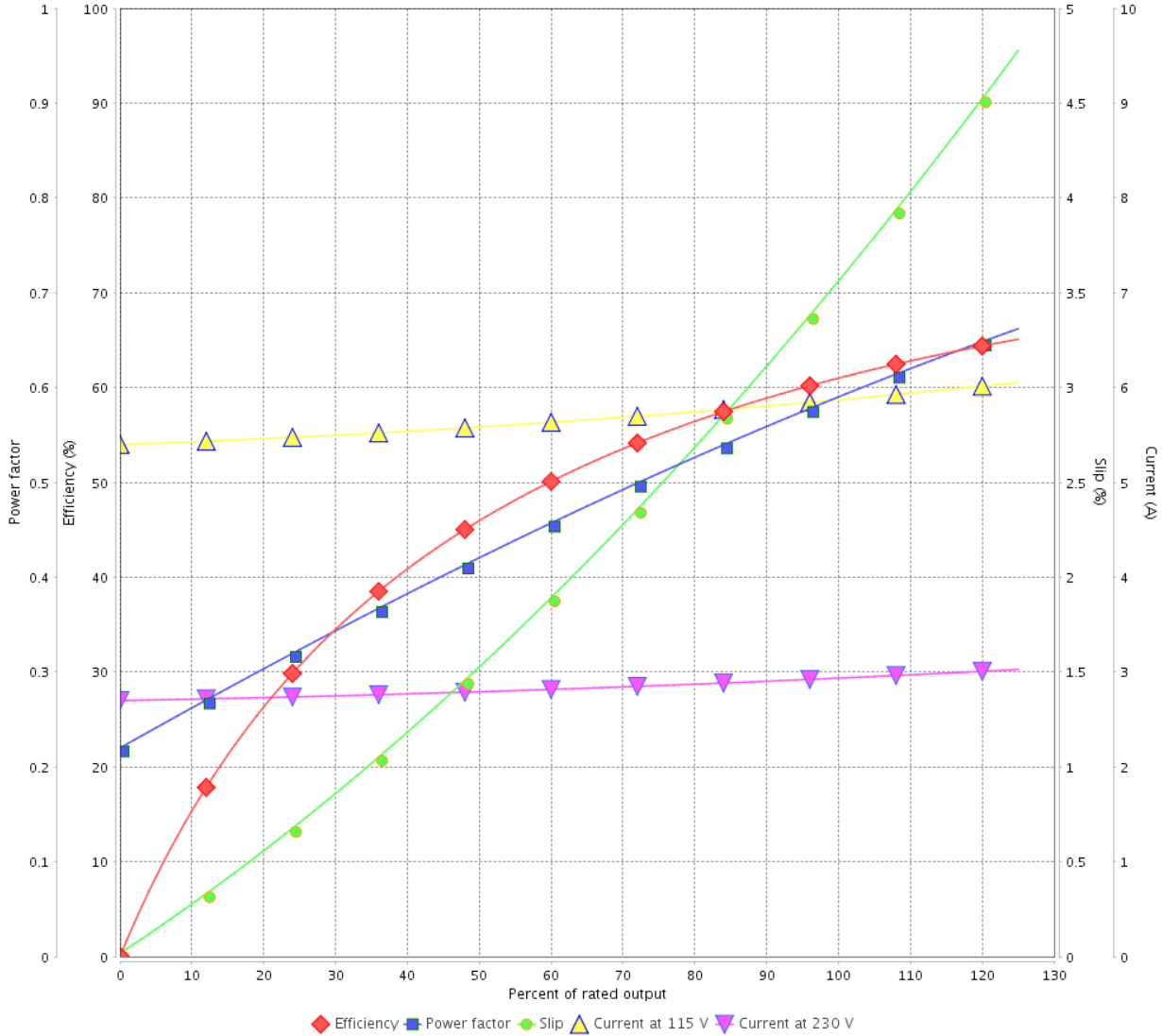


Customer :

Product line : 00022 Single-Phase

Product code : 15059894

LOAD PERFORMANCE CURVE



Performance : 115/230 V 60 Hz 4P

Rated current : 6.00/3.00 A  
 LRC : 5.6  
 Rated torque : 0.138 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 280 %  
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0017 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : N

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1 2 3 4 5 6

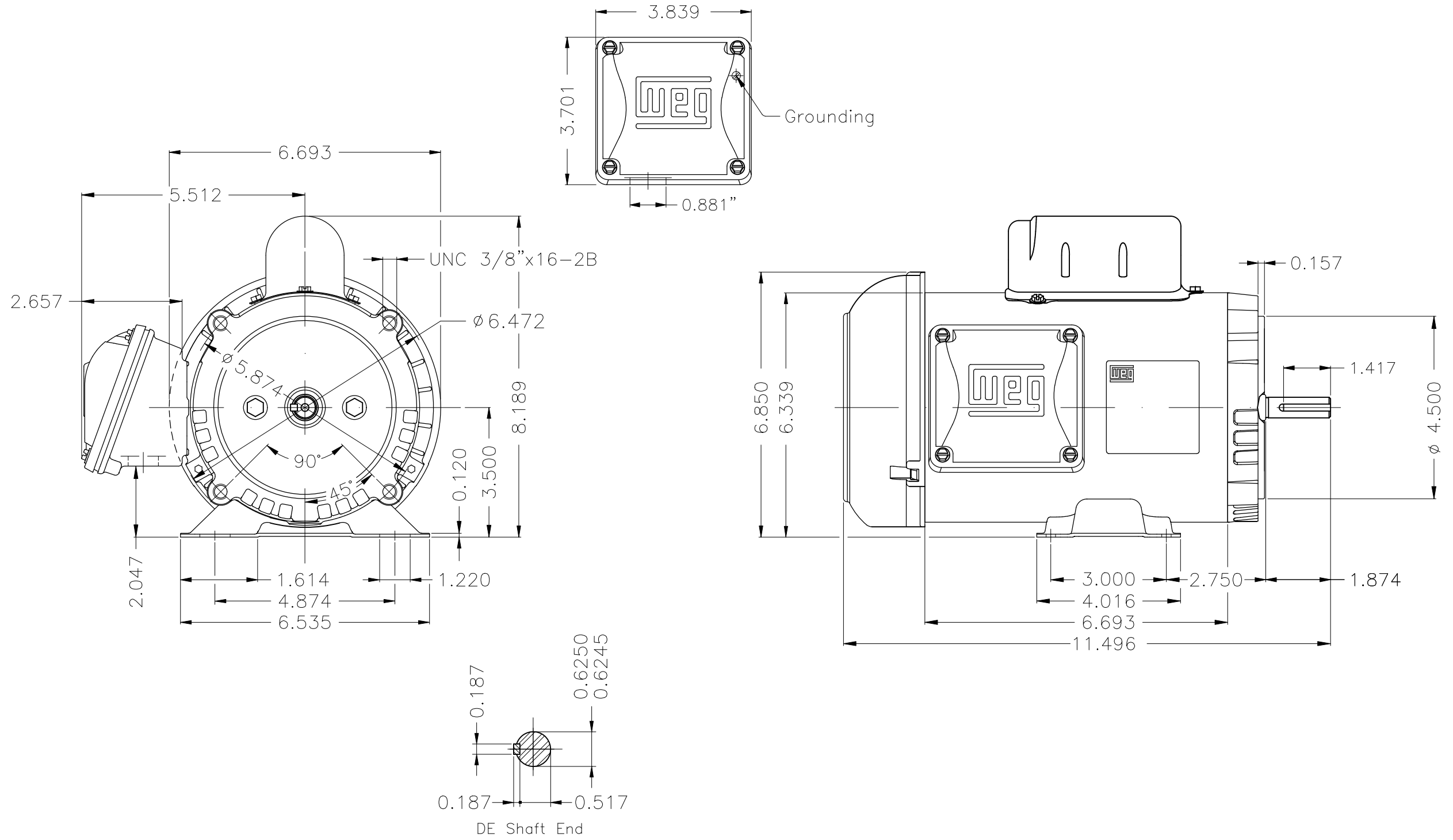
A

B

C

D

E



Mounting B34D									
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL FARM DUTY							00
CHECKED		FRAME W56C IP55 TEFC							
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering					

0.33 HP 04 Poles 60 Hz

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