

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : 00022 Single-Phase		Product code : 12884005		
Frame : W56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N		Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 9.7 kg Moment of inertia (J) : 0.0020 kgm²		
Output [HP]		0.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/230		
Rated current [A]		8.00/4.00		
L. R. Amperes [A]		45.6/22.8		
LRC [A]		5.7x(Code M)		
No load current [A]		6.60/3.30		
Rated speed [RPM]		1730		
Slip [%]		3.89		
Rated torque [kgfm]		0.210		
Locked rotor torque [%]		320		
Breakdown torque [%]		270		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%	48.5		
	50%	52.0		
	75%	59.0		
	100%	64.0		
Power Factor	25%	0.25		
	50%	0.44		
	75%	0.54		
	100%	0.63		
Bearing type : Drive end 6203 2RS Non drive end 6202 2RS Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 13 kgf Max. compression : 23 kgf		
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
Performed by				
Checked by				
Date	13/05/2022		Page 1 / 2	Revision

# LOAD PERFORMANCE CURVE

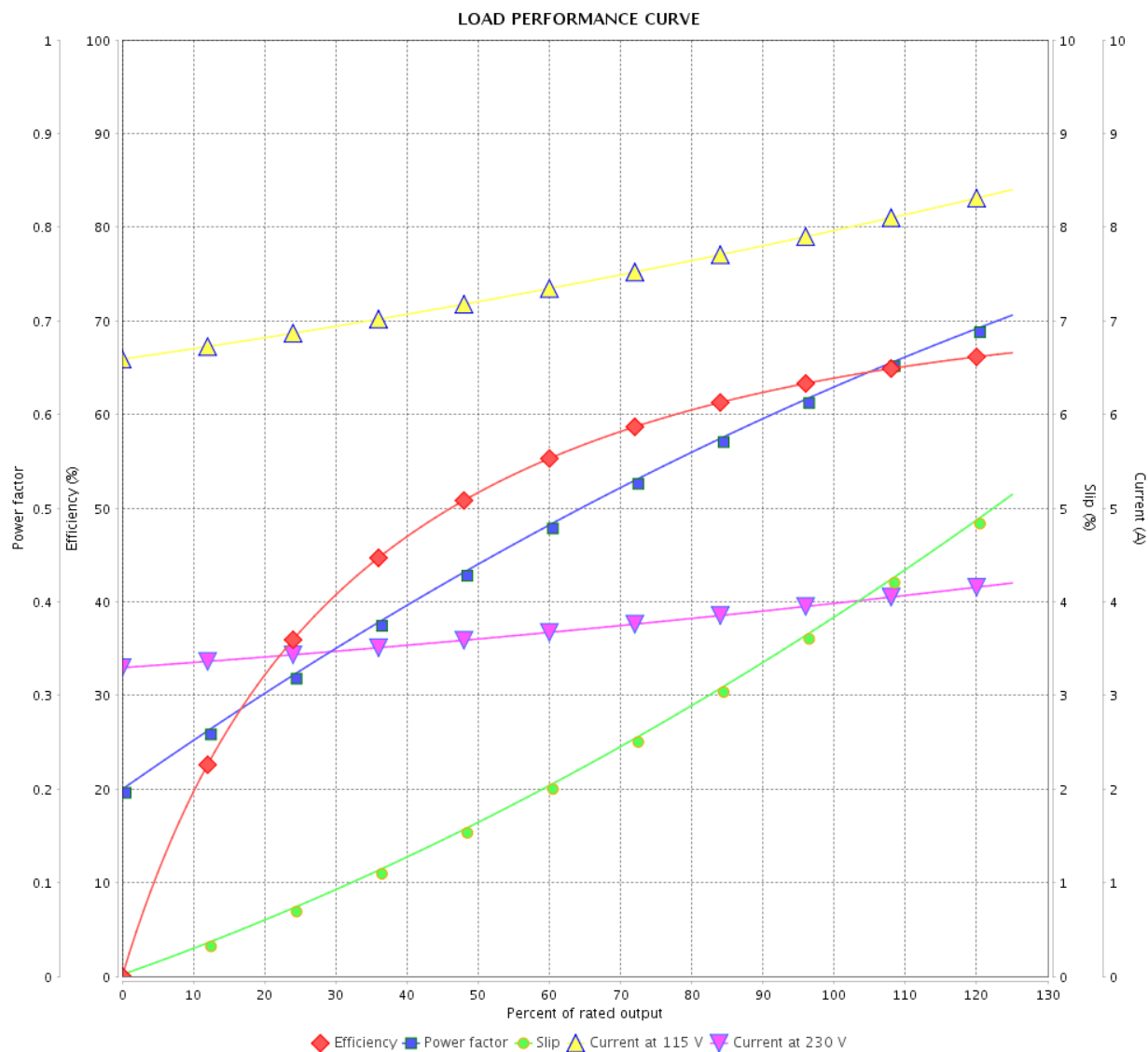
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Product code : 12884005

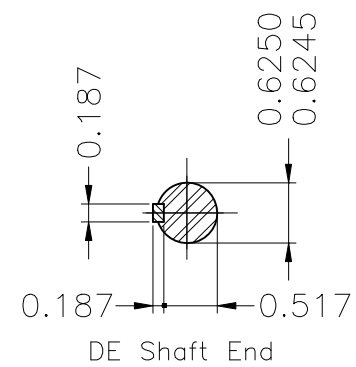
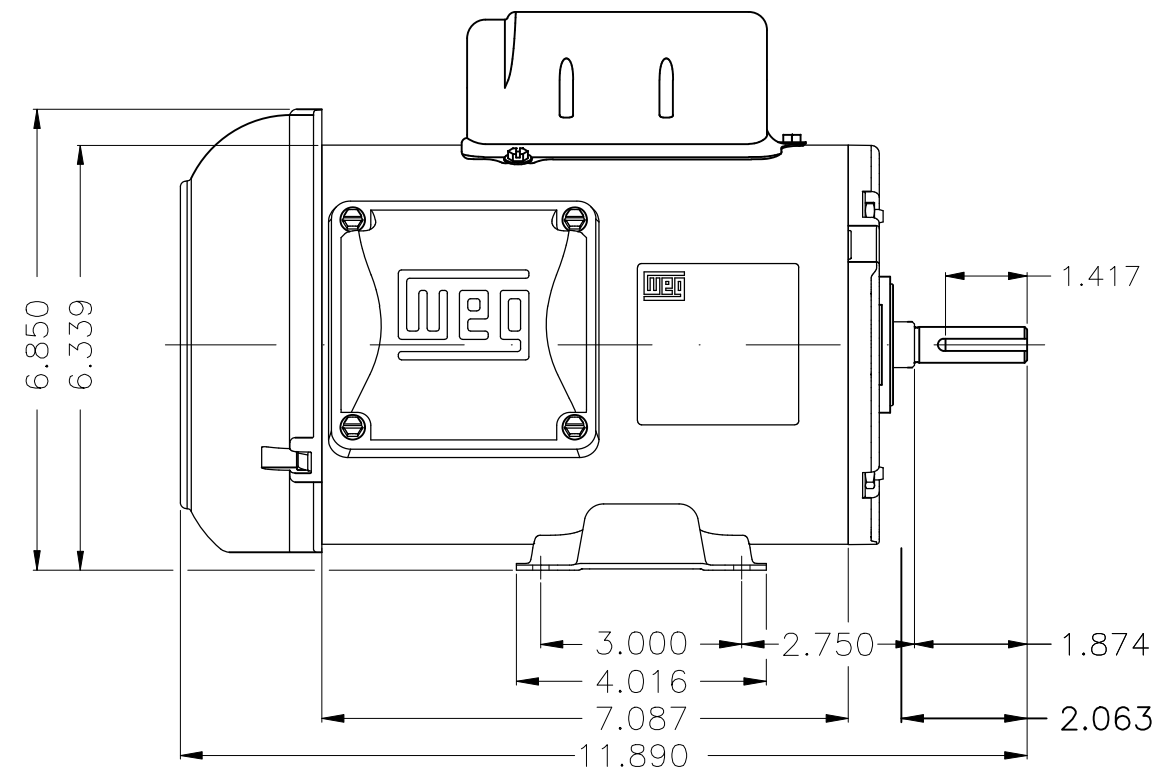
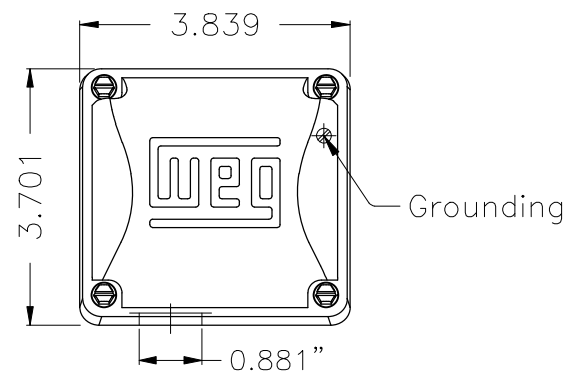
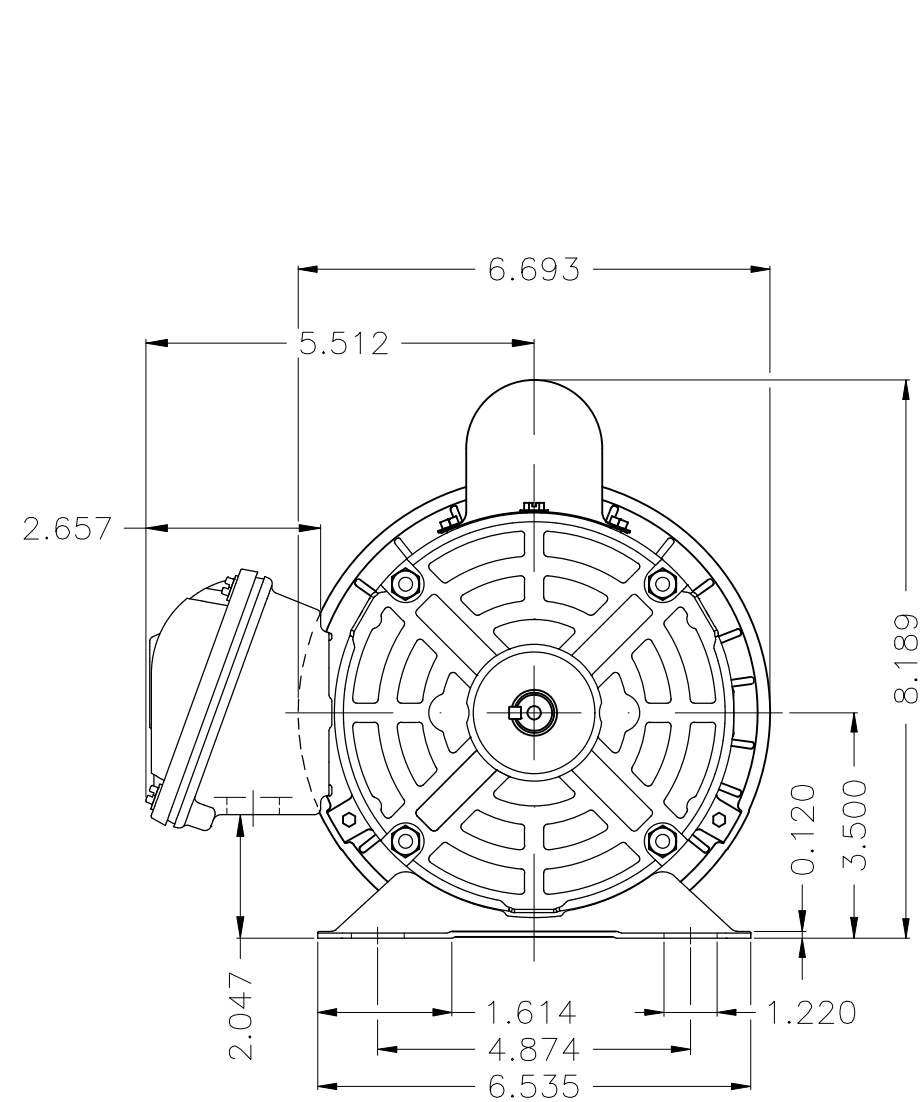




Performance : 115/230 V 60 Hz 4P

Rated current : 8.00/4.00 A  
 LRC : 5.7  
 Rated torque : 0.210 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 270 %  
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0020 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by		<div style="display: flex; justify-content: space-between;"> <div>Page 2 / 2</div> <div>Revision</div> </div>		
Checked by				
Date	13/05/2022			



Mounting F-1/B3R(D)									
			HYBRISUSER						00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR ROLLED STEEL FARM DUTY FRAME W56 IP55 TEFC		PREVIEW WDD   00				
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul		Product Engineering		SHEET	1 / 1	