

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Single-Phase	Product code :	13988325		
Frame	: 56H	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 21.9 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0082 kgm ²		
Design	: L				
Output [HP]	1				
Poles	6				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	11.0/6.08-5.50				
L. R. Amperes [A]	67.1/37.1-33.5				
LRC [A]	6.1x(Code J)				
No load current [A]	5.60/2.41-2.80				
Rated speed [RPM]	1165				
Slip [%]	2.92				
Rated torque [kgfm]	0.623				
Locked rotor torque [%]	180				
Breakdown torque [%]	200				
Service factor					
Temperature rise	80 K				
Locked rotor time	23s (cold) 13s (hot)				
Noise level ²	54.0 dB(A)				
Efficiency (%)	25%				
	50%	64.0			
	75%	71.0			
	100%	73.0			
Power Factor	25%				
	50%	0.68			
	75%	0.77			
	100%	0.81			
Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	
Sealing	: V'Ring		V'Ring		
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction : 28 kgf				
	Max. compression : 50 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	Date
Performed by					
Checked by				Page	Revision
Date	11/05/2022			1 / 2	

LOAD PERFORMANCE CURVE

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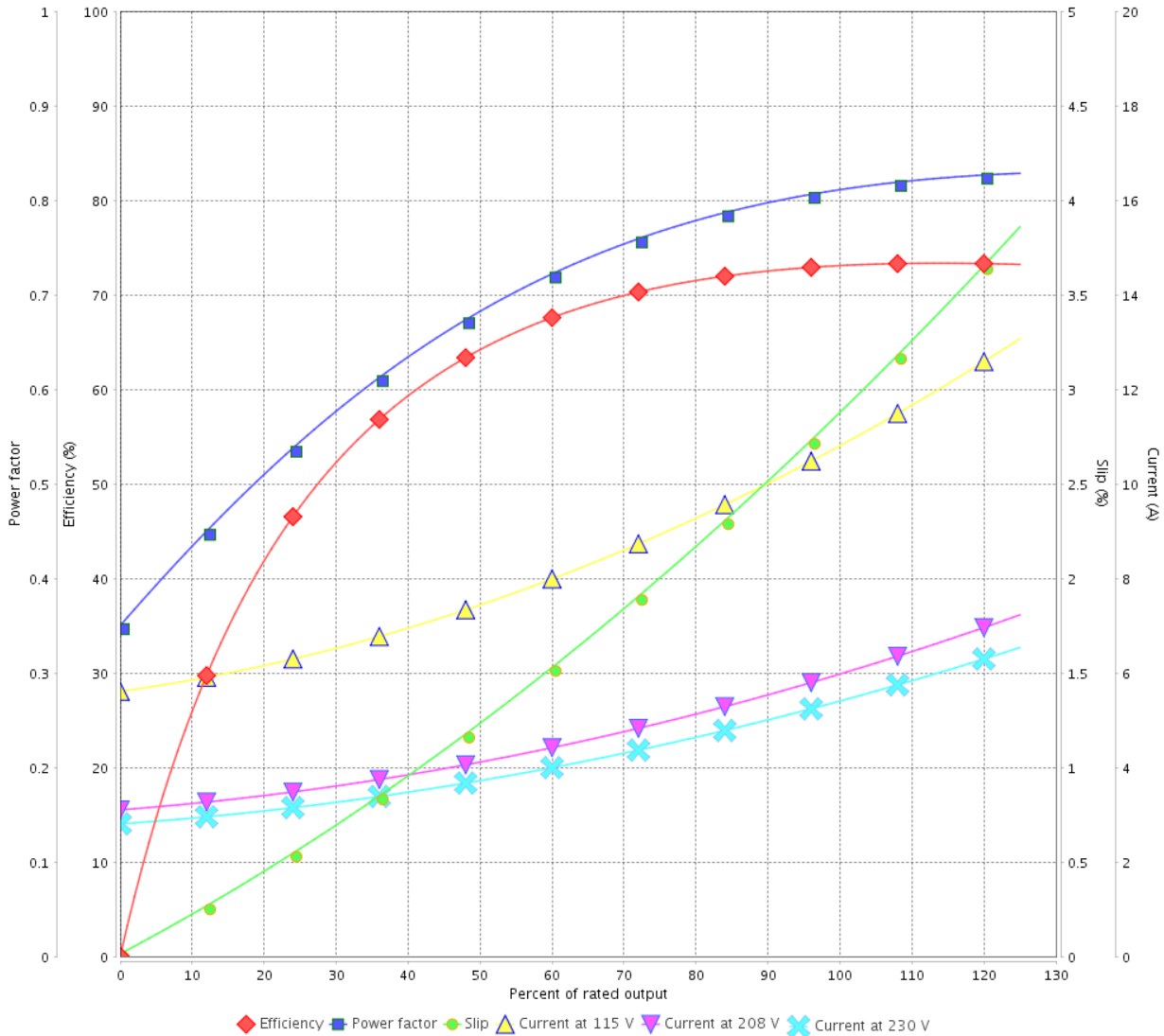


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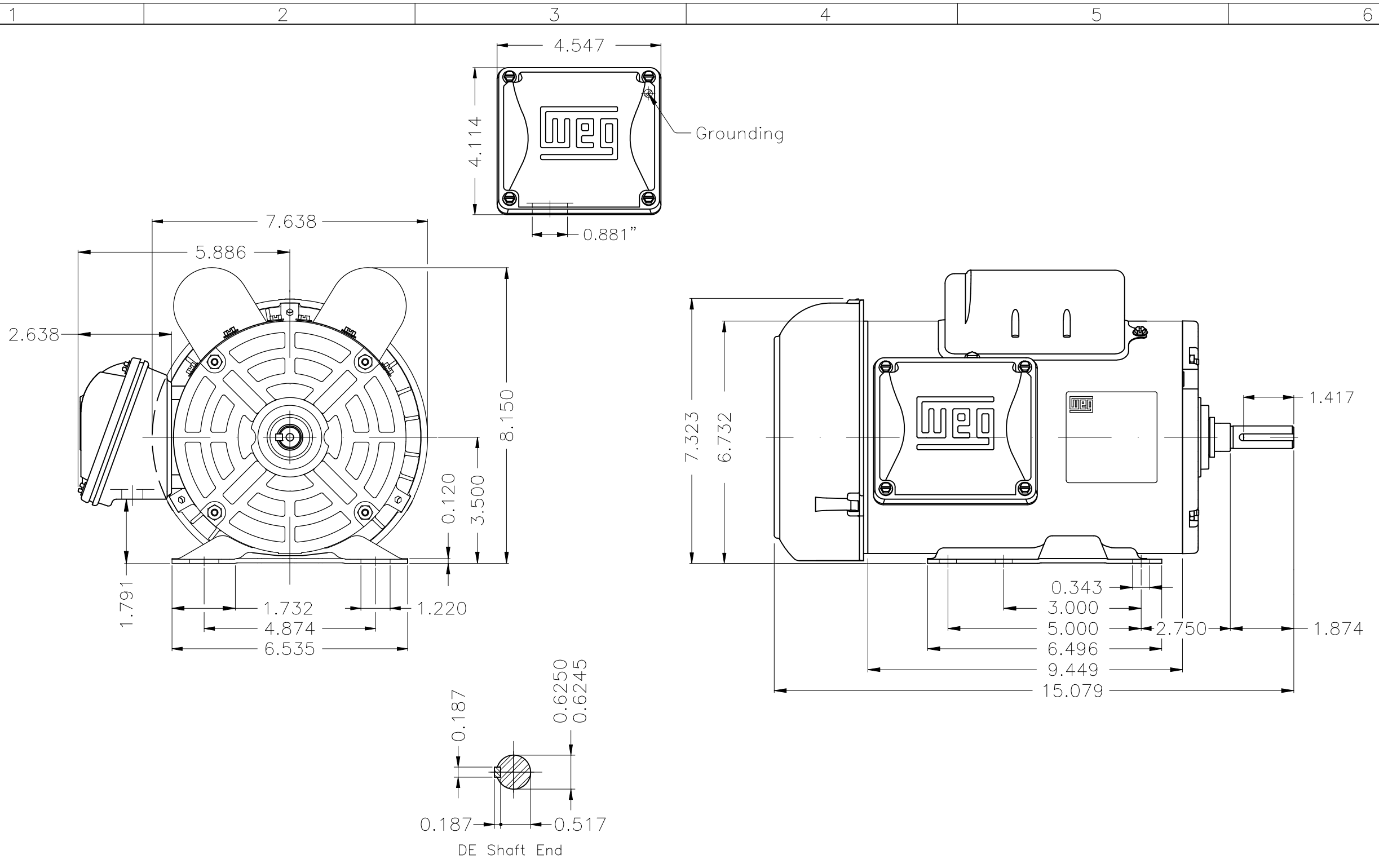


Performance : 115/208-230 V 60 Hz 6P

Rated current : 11.0/6.08-5.50 A
 LRC : 6.1
 Rated torque : 0.623 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 200 %
 Rated speed : 1165 rpm

Moment of inertia (J) : 0.0082 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary	Performed	Checked	Date
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Date				



Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B3R(D)									
					HYBRISUSER	00			
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL			PREVIEW				
CHECKED		FRAME 56H IP55 TEFC			WDD		00		
RELEASED					SHEET		1 / 1		
REL. DATE		WMO	Jaragua do Sul	Product Engineering					

1 HP 06 Poles 60 Hz

A

