

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13817228		
Frame : 56HC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : L		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 18.7 kg Moment of inertia (J) : 0.0030 kgm ²		
Output [HP]	2			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	17.5/9.62-8.73			
L. R. Amperes [A]	136/75.0-68.1			
LRC [A]	7.8x(Code J)			
No load current [A]	5.00/2.16-2.50			
Rated speed [RPM]	3495			
Slip [%]	2.92			
Rated torque [kgfm]	0.415			
Locked rotor torque [%]	220			
Breakdown torque [%]	250			
Service factor				
Temperature rise	80 K			
Locked rotor time	10s (cold) 6s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	75.0		
	100%	77.0		
Power Factor	25%			
	50%	0.94		
	75%	0.97		
	100%	0.97		
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 : 23 kgf Max. compression : 42 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			Page	Revision
Date	13/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

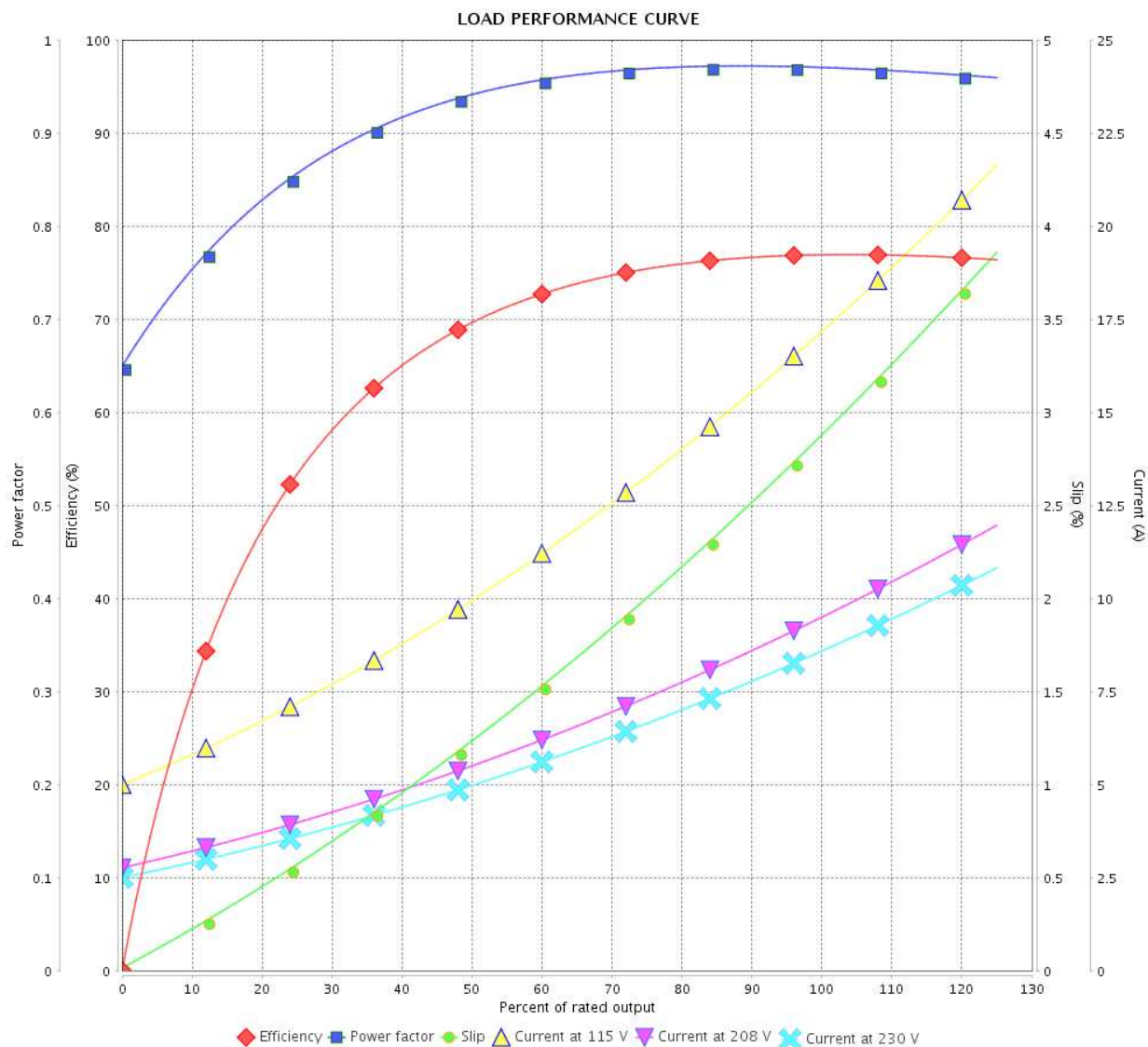
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13817228

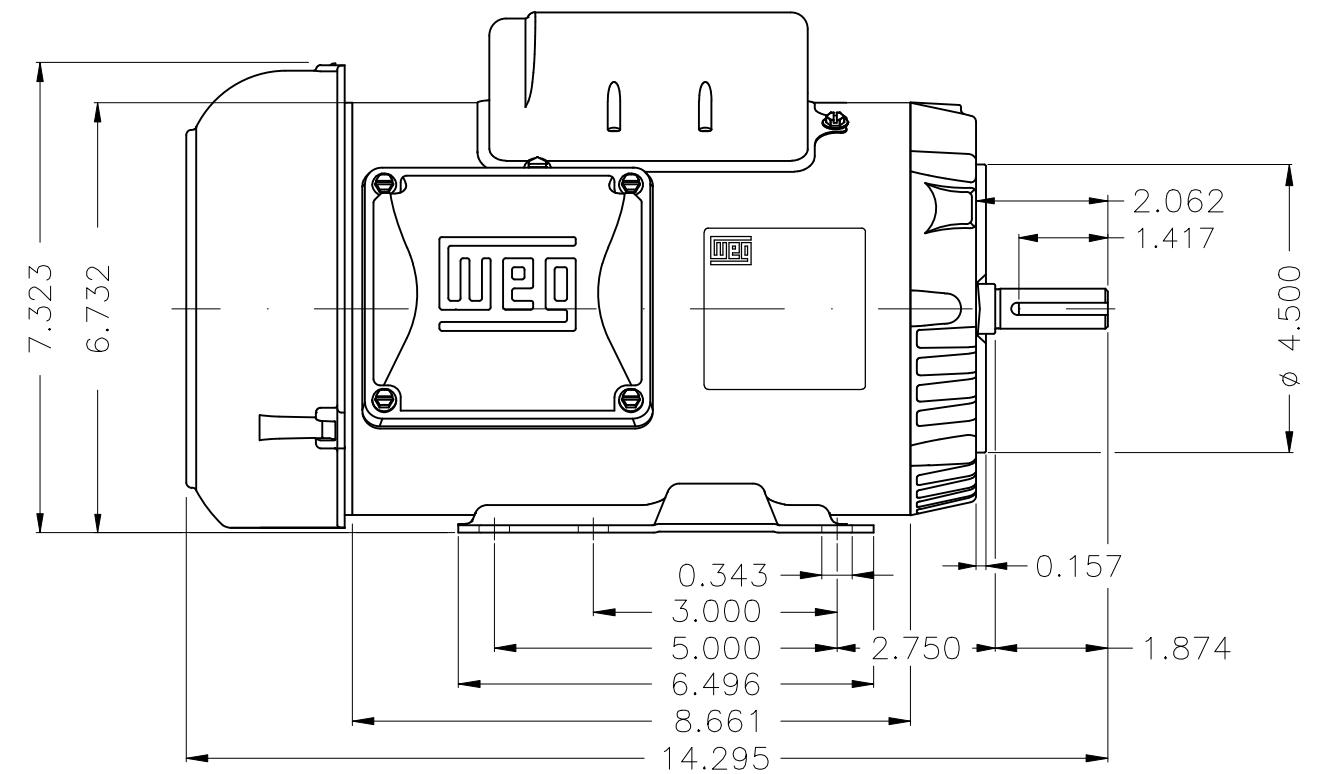
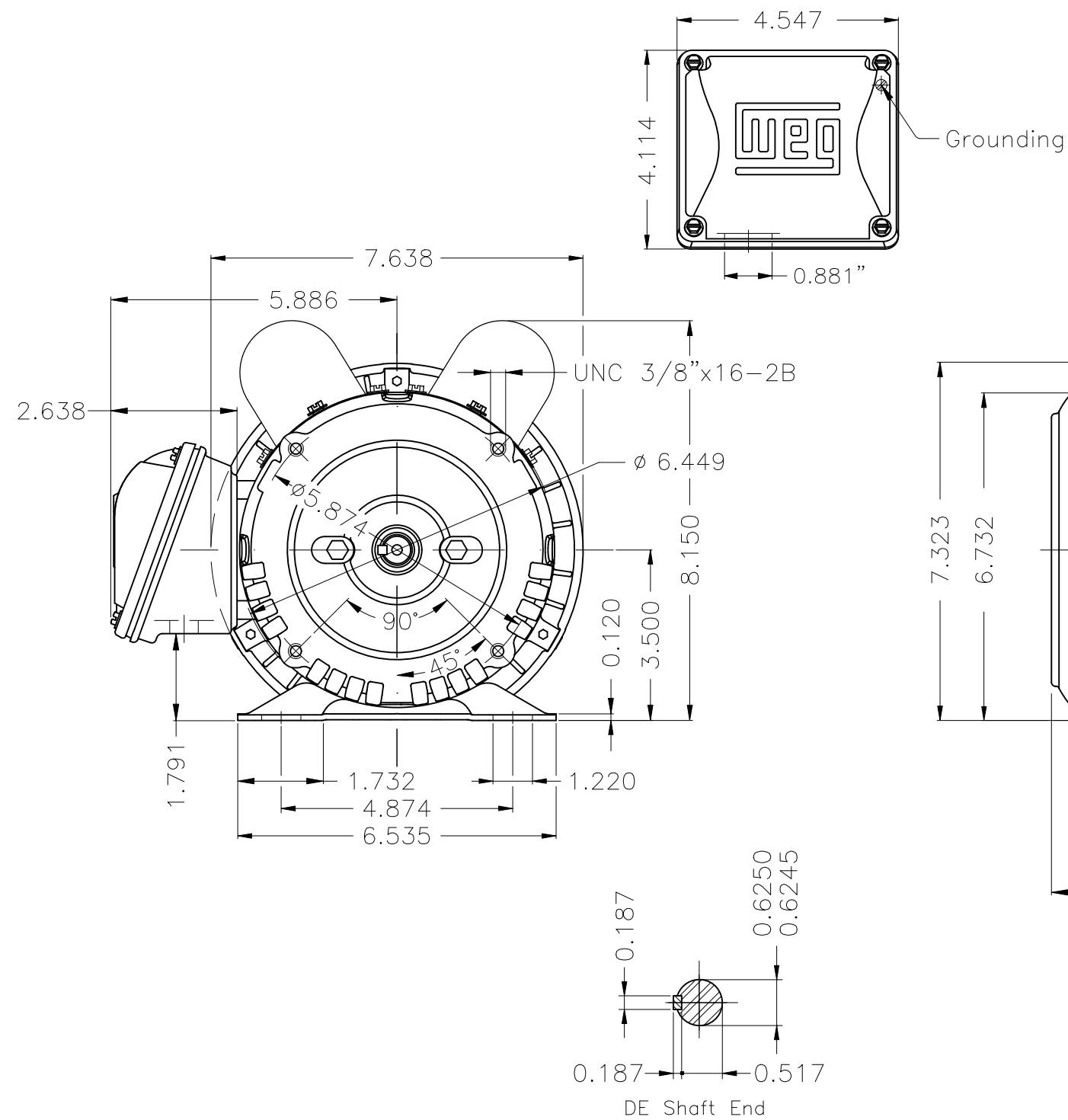


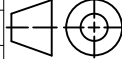
Performance : 115/208-230 V 60 Hz 2P

Rated current : 17.5/9.62-8.73 A
 LRC : 7.8
 Rated torque : 0.415 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 3495 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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



Color Munsell N 1 matte black									
Painting plan N07N									
Mounting B34D									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER	 SINGLE PH. MOTOR ROLLED STEEL FRAME 56HC IP55 TEFC				PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

2 HP 02 Poles 60 Hz

WEG's property. Forbidden reproduction without previous authorization.

Dimensions in inches

XME	A3