

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13637399		
Frame	: 56HC	Cooling method : IC01 - ODP		
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>2</sup> : 21.2 kg		
Design	: L	Moment of inertia (J) : 0.0036 kgm <sup>2</sup>		
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		26.4/14.6-13.2		
L. R. Amperes [A]		211/117-106		
LRC [A]		8.0x(Code H)		
No load current [A]		9.00/3.88-4.50		
Rated speed [RPM]		3485		
Slip [%]		3.19		
Rated torque [kgfm]		0.625		
Locked rotor torque [%]		200		
Breakdown torque [%]		250		
Service factor				
Temperature rise		80 K		
Locked rotor time		10s (cold) 6s (hot)		
Noise level <sup>2</sup>		58.0 dB(A)		
Efficiency (%)	25%			
	50%	71.0		
	75%	76.0		
	100%	78.0		
Power Factor	25%			
	50%	0.85		
	75%	0.91		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 39 kgf Max. compression : 60 kgf		
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				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

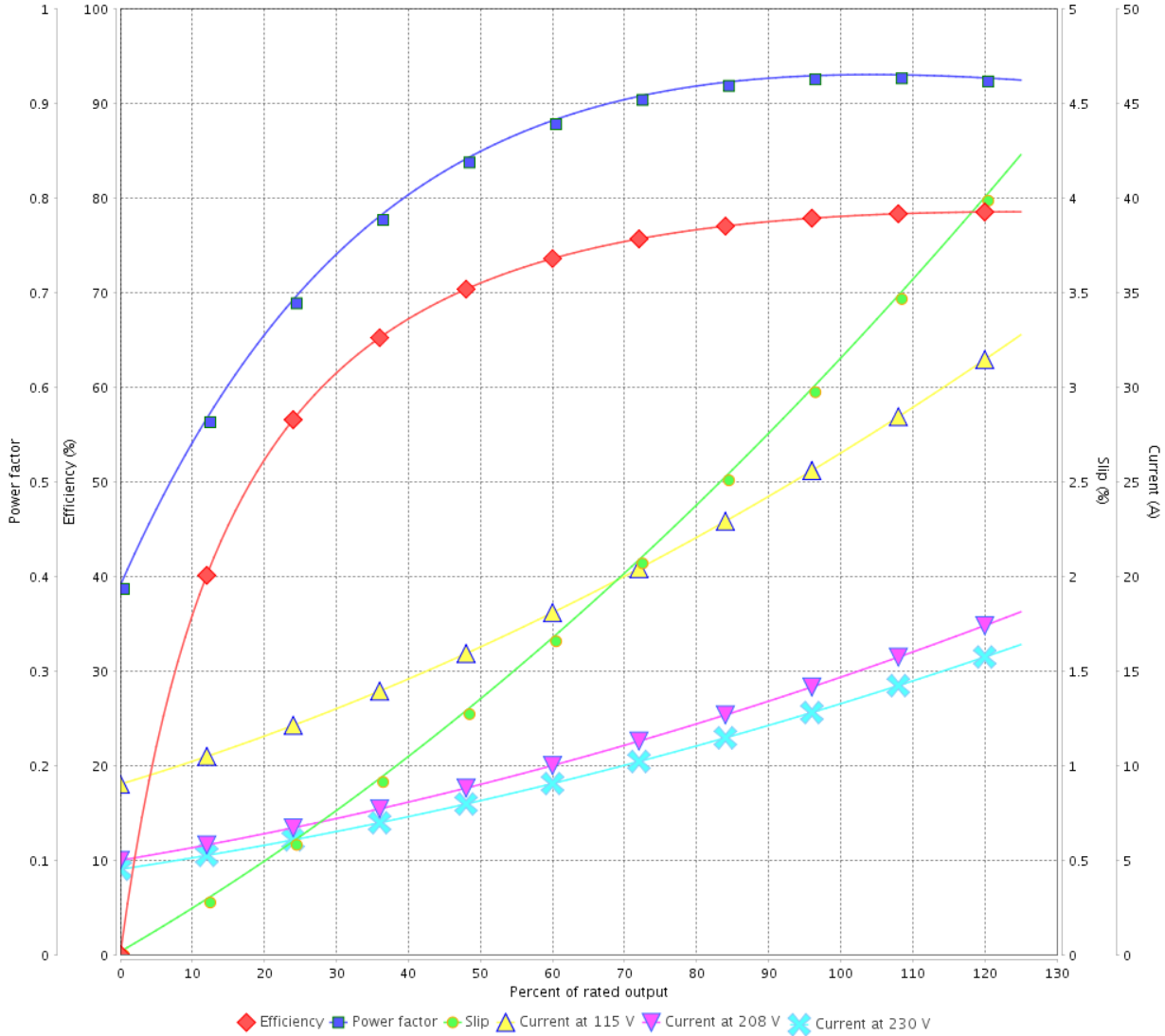


Customer : \_\_\_\_\_

Product line : Single-Phase

Product code : 13637399

LOAD PERFORMANCE CURVE



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

Rated current : 26.4/14.6-13.2 A  
 LRC : 8.0  
 Rated torque : 0.625 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Rated speed : 3485 rpm

Moment of inertia (J) : 0.0036 kgm<sup>2</sup>  
 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				
Date				

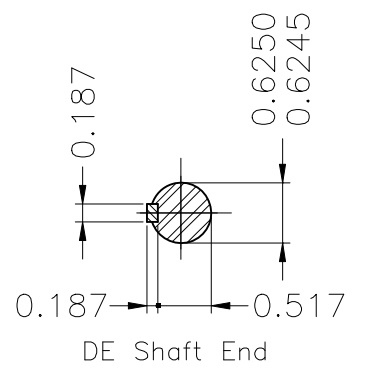
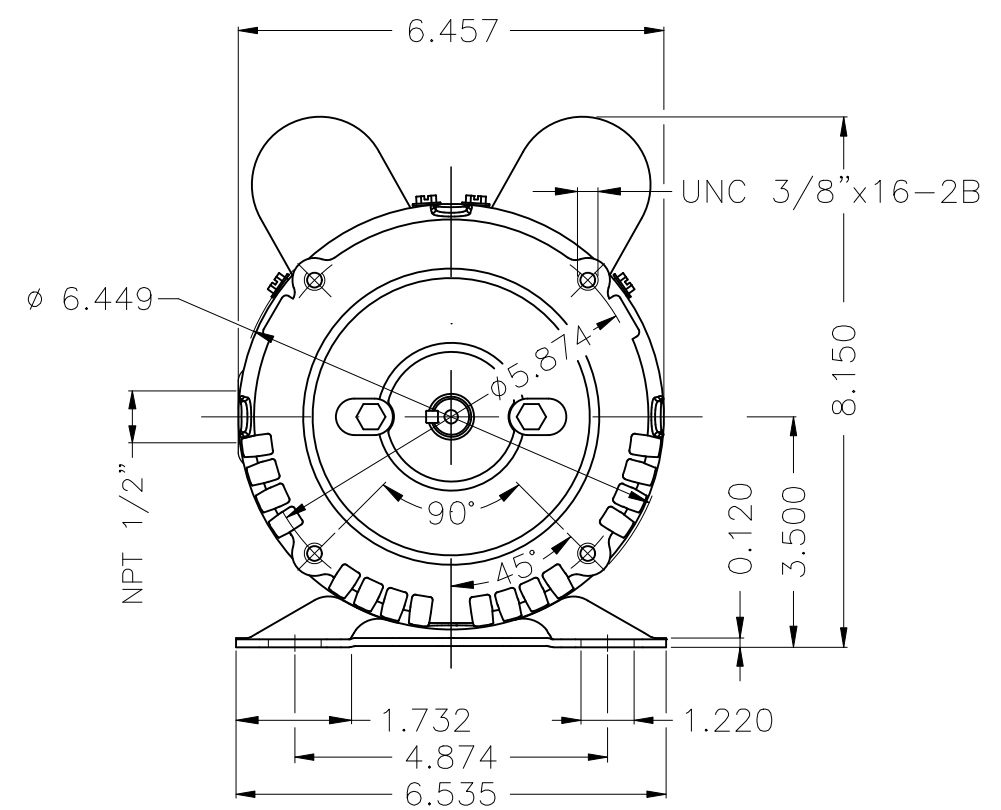
A

B

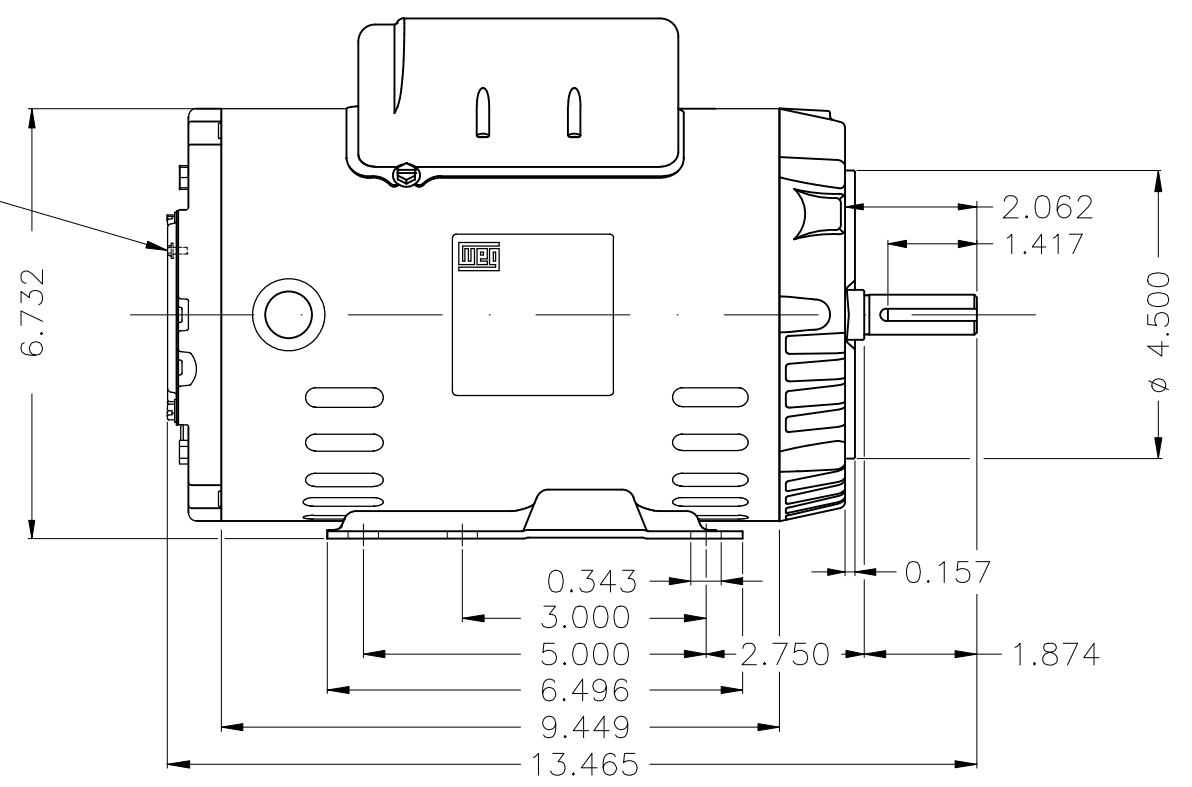
C

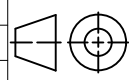

D

E



Grounding



Color Munsell N 1 matte black												
Painting plan 207N												
Mounting B34D												
								HYBRISUSER	00			
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	HYBRISUSER	 SINGLE PH. MOTOR ROLLED STEEL FRAME 56HC IP21 ODP					PREVIEW					
CHECKED							WDD		00			
RELEASED							SHEET		1 / 1			
REL. DATE		WMO	Jaragua do Sul	Product Engineering								

3 HP 02 Poles 60 Hz

A