

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 14733578		
Frame	: 56H	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>3</sup> : 21.8 kg		
Design	: L	Moment of inertia (J) : 0.0057 kgm <sup>2</sup>		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		13.0/7.52-6.49		
L. R. Amperes [A]		105/60.9-52.6		
LRC [A]		8.1x(Code K)		
No load current [A]		4.60/1.98-2.30		
Rated speed [RPM]		1740		
Slip [%]		3.33		
Rated torque [kgfm]		0.626		
Locked rotor torque [%]		320		
Breakdown torque [%]		229		
Service factor				
Temperature rise		80 K		
Locked rotor time		39s (cold) 22s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%			
	50%	80.5		
	75%	83.0		
	100%	83.8		
Power Factor	25%			
	50%	0.78		
	75%	0.85		
	100%	0.88		
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 : 35 kgf Max. compression : 57 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

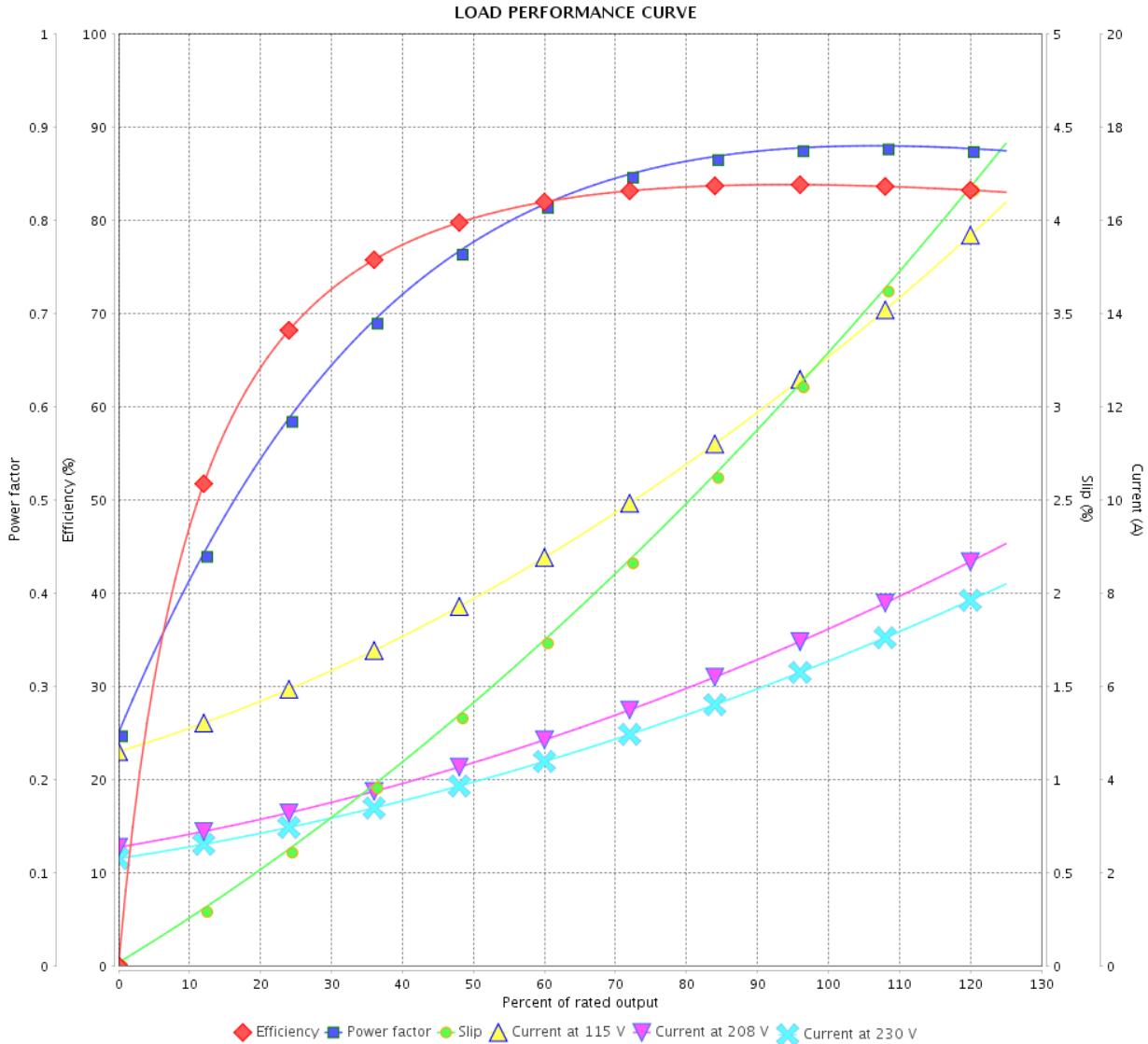
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14733578



Performance : 115/208-230 V 60 Hz 4P

Rated current : 13.0/7.52-6.49 A  
 LRC : 8.1  
 Rated torque : 0.626 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 229 %  
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0057 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 2 / 2	Revision
Checked by				
Date	17/05/2022			

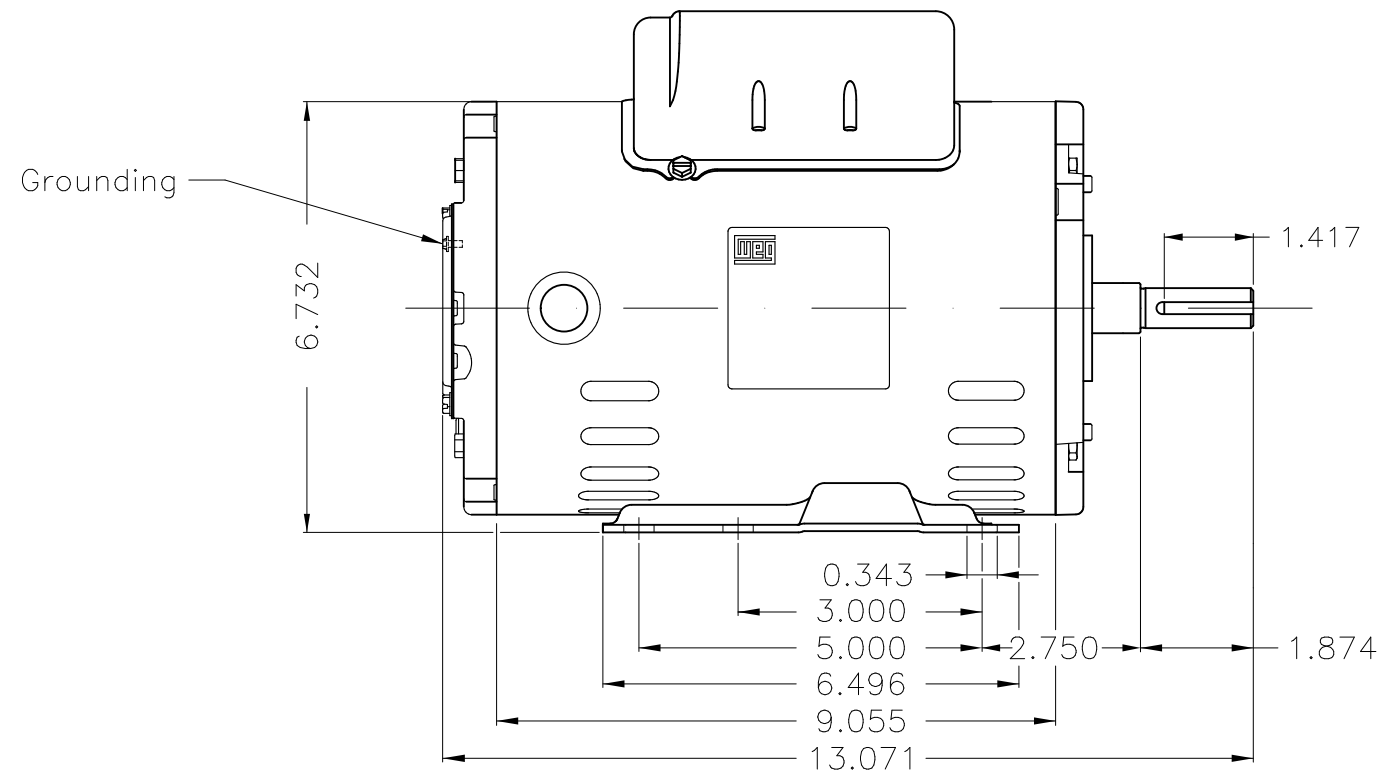
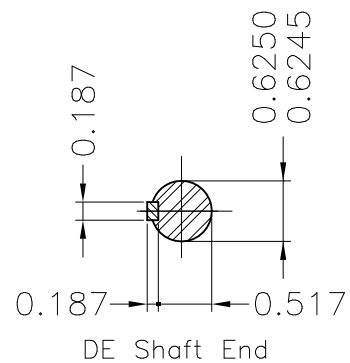
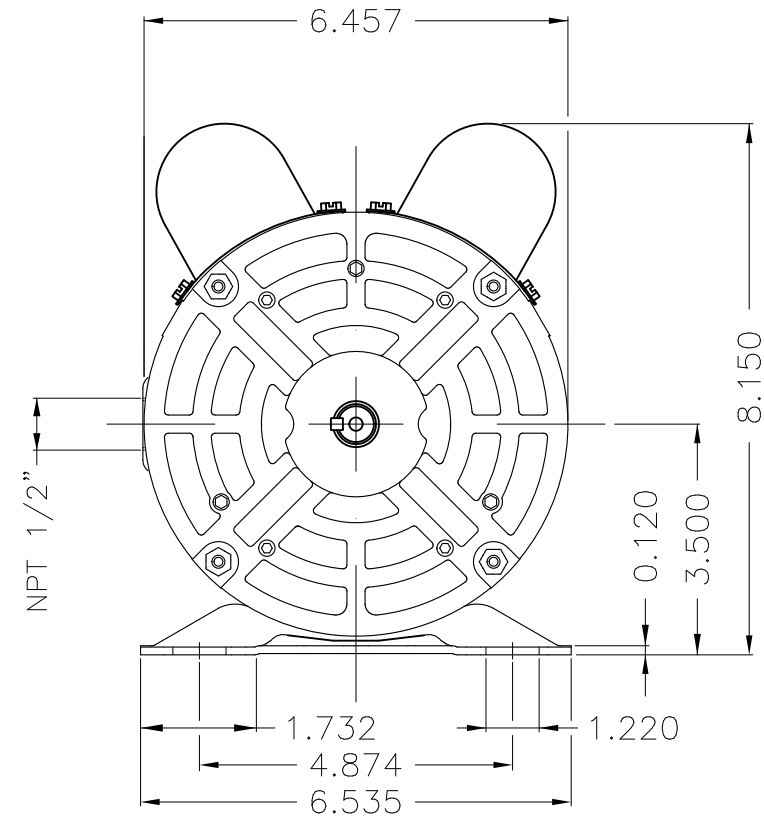
A

B

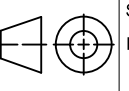

C

D

E



Dimensions in inches

Packing - pallet										
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 PREM. EFF. FRAME 56H IP21 ODP				<b>PREVIEW</b> WDD   00				
CHECKED										
RELEASED										
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				

1.5 HP 04 Poles 60 Hz

A