

# DATA SHEET

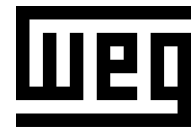
## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13965357		
Frame	: 56	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> : 19.8 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]		19.0/10.5-9.49		
L. R. Amperes [A]		131/72.5-65.5		
LRC [A]		6.9x(Code J)		
No load current [A]		15.4/6.64-7.70		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.624		
Locked rotor torque [%]		270		
Breakdown torque [%]		270		
Service factor				
Temperature rise		80 K		
Locked rotor time		12s (cold) 7s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%			
	50%	66.0		
	75%	72.0		
	100%	73.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.69		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 43 kgf		
Lubrication interval	: - -	Max. compression : 63 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	11/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

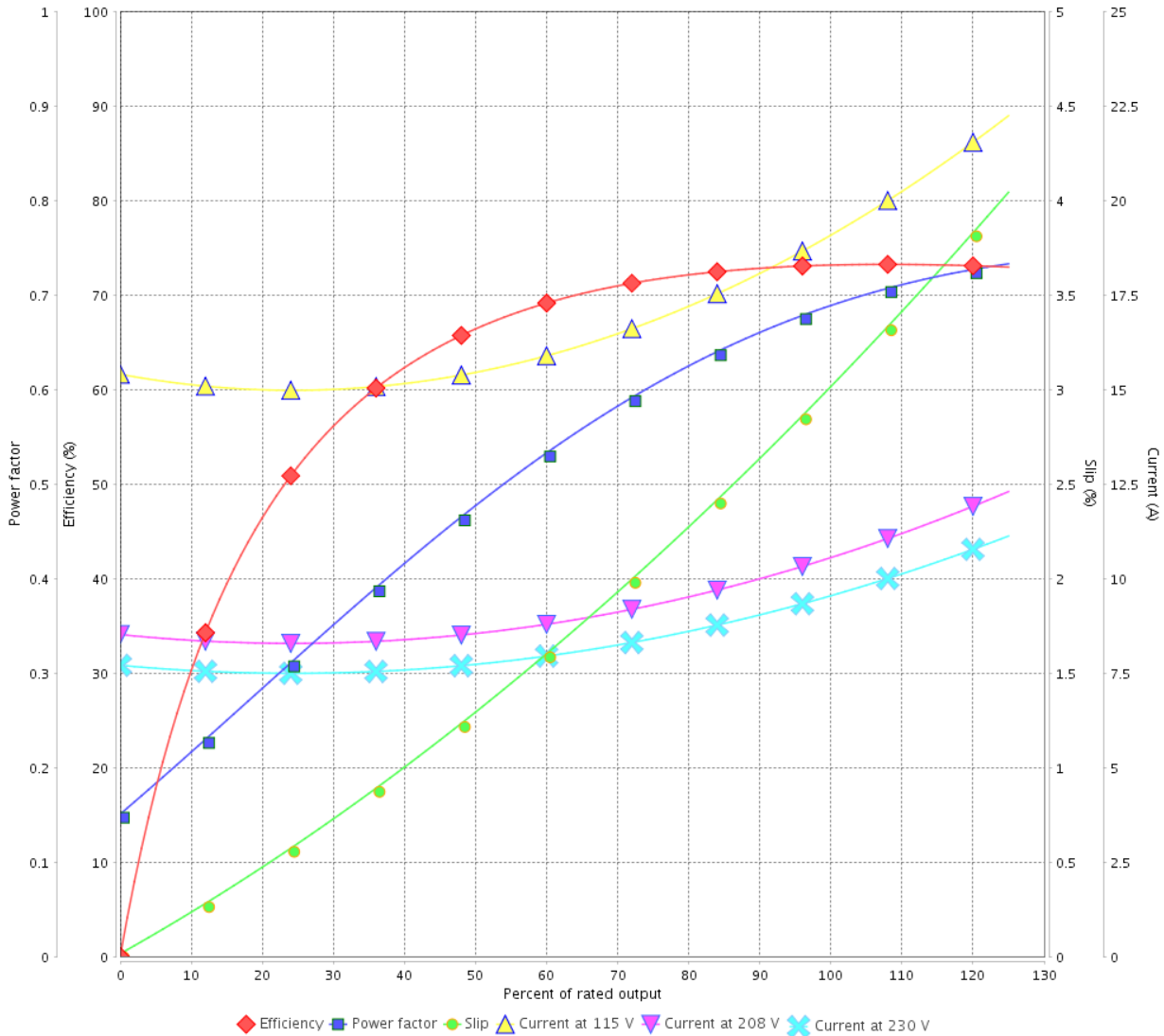


Customer :

Product line : Single-Phase

Product code : 13965357

LOAD PERFORMANCE CURVE

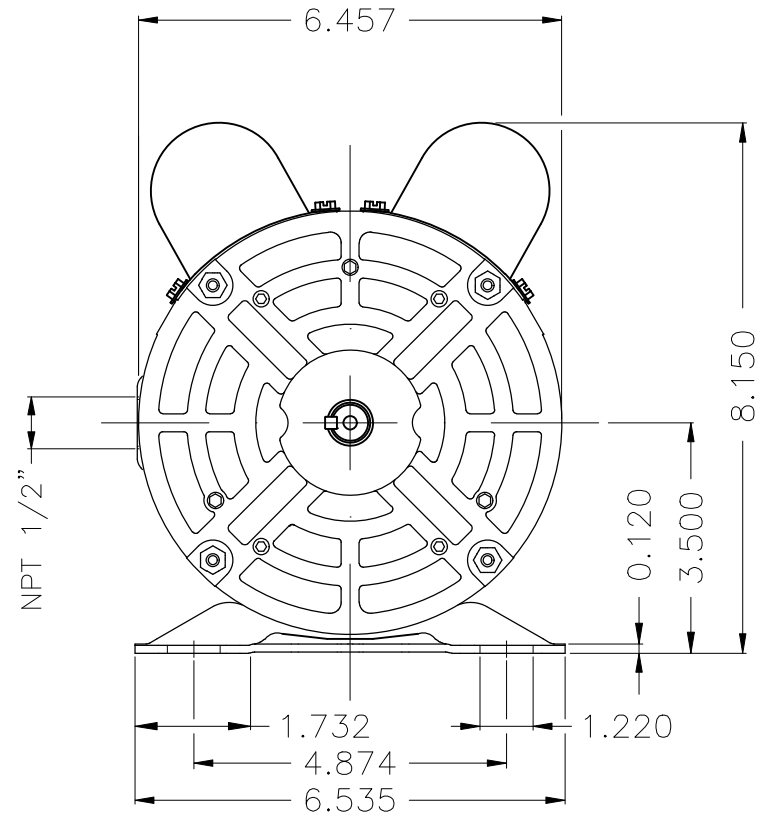


Performance : 115/208-230 V 60 Hz 4P

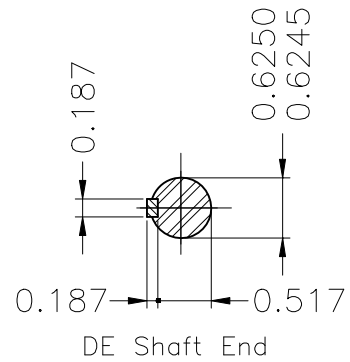
Rated current : 19.0/10.5-9.49 A  
 LRC : 6.9  
 Rated torque : 0.624 kgfm  
 Locked rotor torque : 270 %  
 Breakdown torque : 270 %  
 Rated speed : 1745 rpm

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

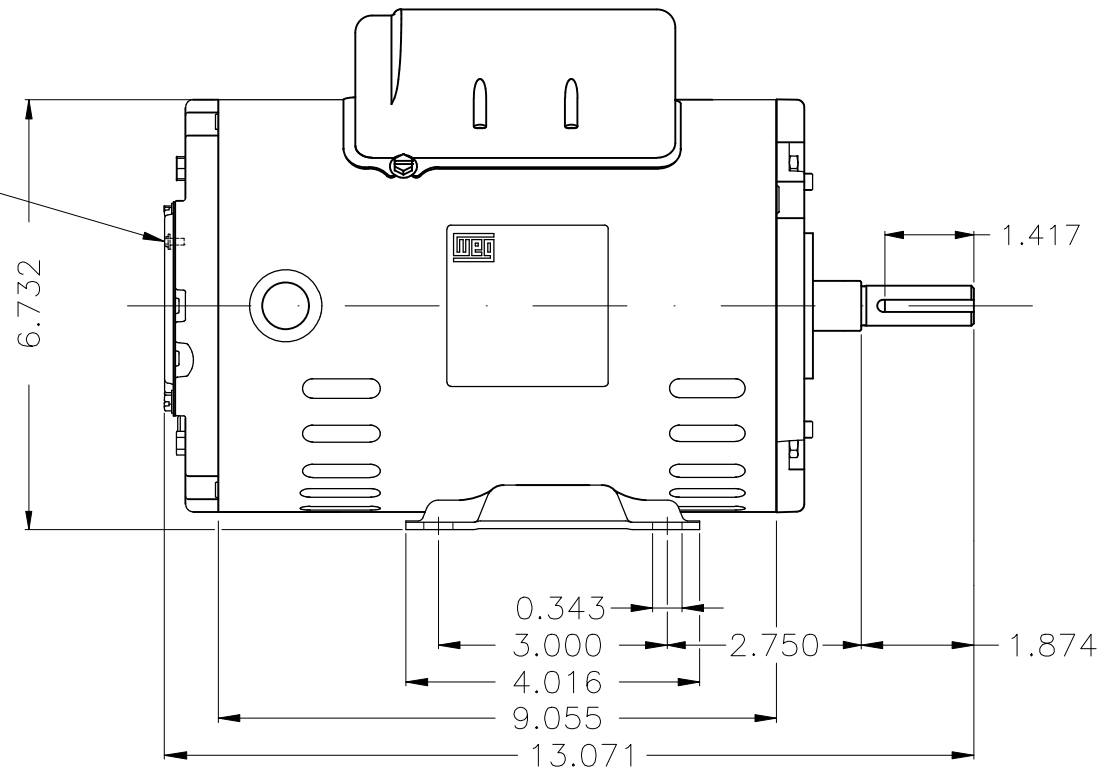
Rev.	Changes Summary	Performed	Checked	Date
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Date				



NPT 1/2"



Grounding



Color RAL 7022						
Painting plan 207N						
Mounting F-1/B3R(D)						
				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL		PREVIEW	WDD	00
CHECKED		FRAME 56 IP21 ODP				
RELEASED						
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1

1.5 HP 04 Poles 60 Hz

A

