

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Single-Phase	Product code :	13484852		
Frame	: 56	Cooling method	: IC01 - ODP		
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	: 13.1 kg		
Design	: N	Moment of inertia (J)	: 0.0033 kgm ²		
Output [HP]	0.75				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	10.5/5.81-5.25				
L. R. Amperes [A]	68.2/37.8-34.1				
LRC [A]	6.5x(Code L)				
No load current [A]	8.00/3.45-4.00				
Rated speed [RPM]	1745				
Slip [%]	3.06				
Rated torque [kgfm]	0.312				
Locked rotor torque [%]	280				
Breakdown torque [%]	270				
Service factor					
Temperature rise	80 K				
Locked rotor time	18s (cold) 10s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%				
	50%	60.0			
	75%	66.0			
	100%	69.0			
Power Factor	25%				
	50%	0.46			
	75%	0.57			
	100%	0.66			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 20 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 33 kgf	
Lubrication interval	: -	-			
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	17/05/2022			1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

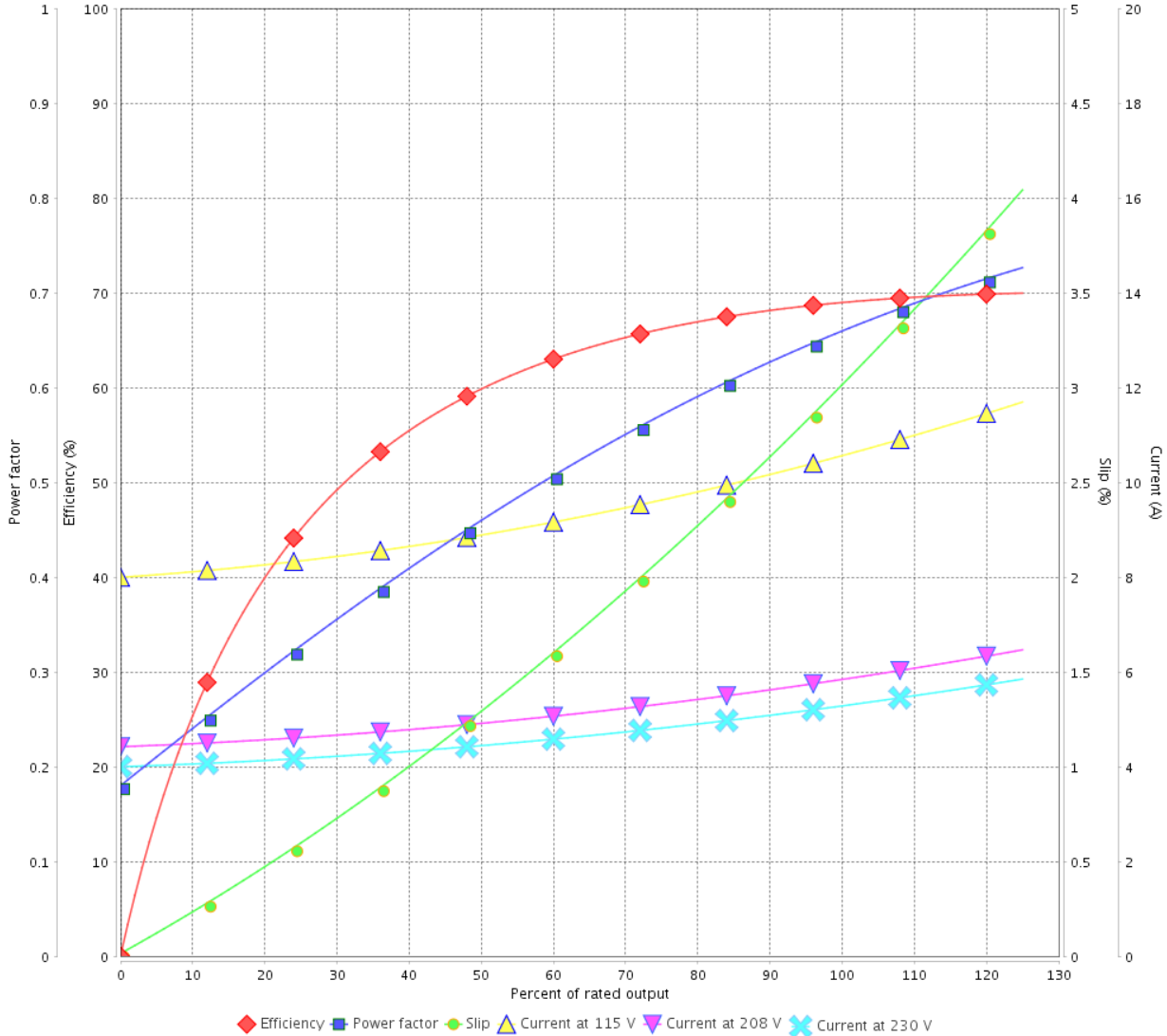


Customer :

Product line : Single-Phase

Product code : 13484852

LOAD PERFORMANCE CURVE



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

Rated current : 10.5/5.81-5.25 A
 LRC : 6.5
 Rated torque : 0.312 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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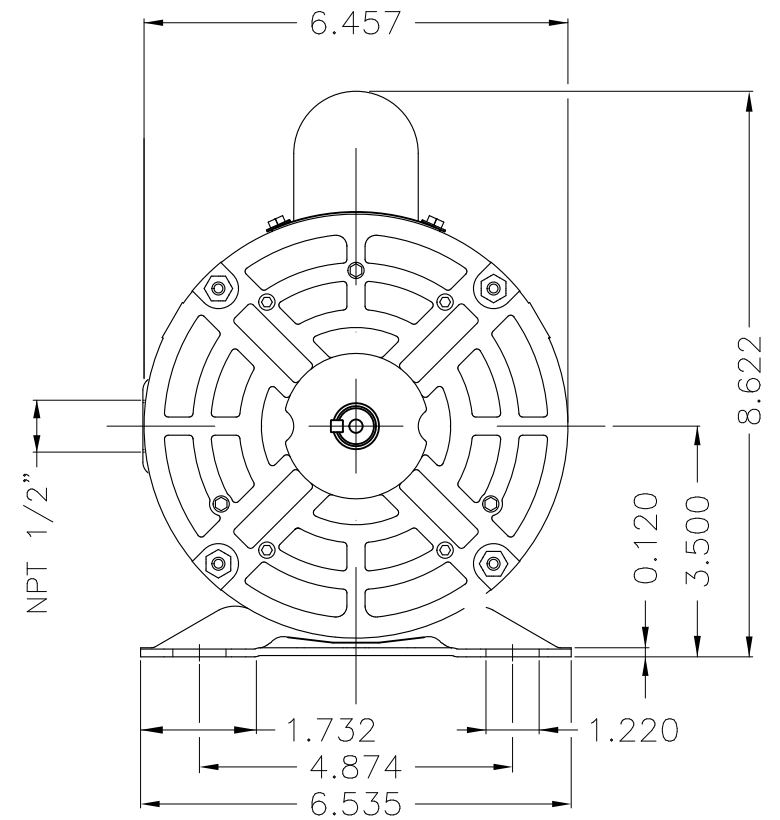
A

B

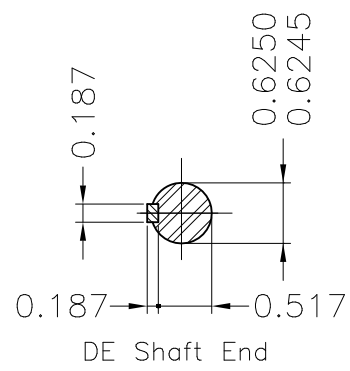
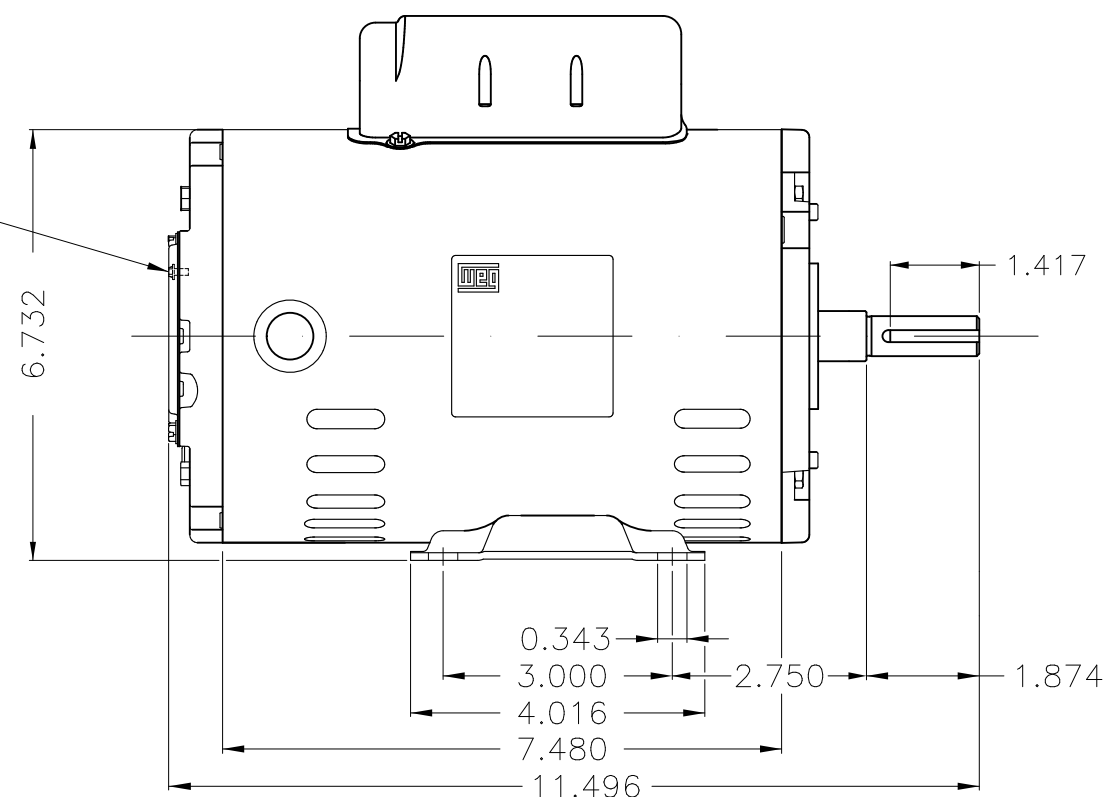
C

D

E



Grounding



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 FRAME 56 IP21 ODP			PREVIEW WDD 00				
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

0.75 HP 04 Poles 60 Hz

A