

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13383418		
Frame	: 56HC	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 : 22.4 kg		
Design	: L	Moment of inertia (J) : 0.0065 kgm ²		
Output [HP]		2		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		21.0/11.6-10.5		
L. R. Amperes [A]		158/87.0-78.7		
LRC [A]		7.5x(Code J)		
No load current [A]		13.8/5.95-6.90		
Rated speed [RPM]		1740		
Slip [%]		3.33		
Rated torque [kgfm]		0.834		
Locked rotor torque [%]		240		
Breakdown torque [%]		260		
Service factor				
Temperature rise		80 K		
Locked rotor time		10s (cold) 6s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	70.0		
	75%	75.0		
	100%	78.0		
Power Factor	25%			
	50%	0.62		
	75%	0.73		
	100%	0.80		
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 : 57 kgf		
Lubrication interval	: - -	Max. compression : 80 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	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

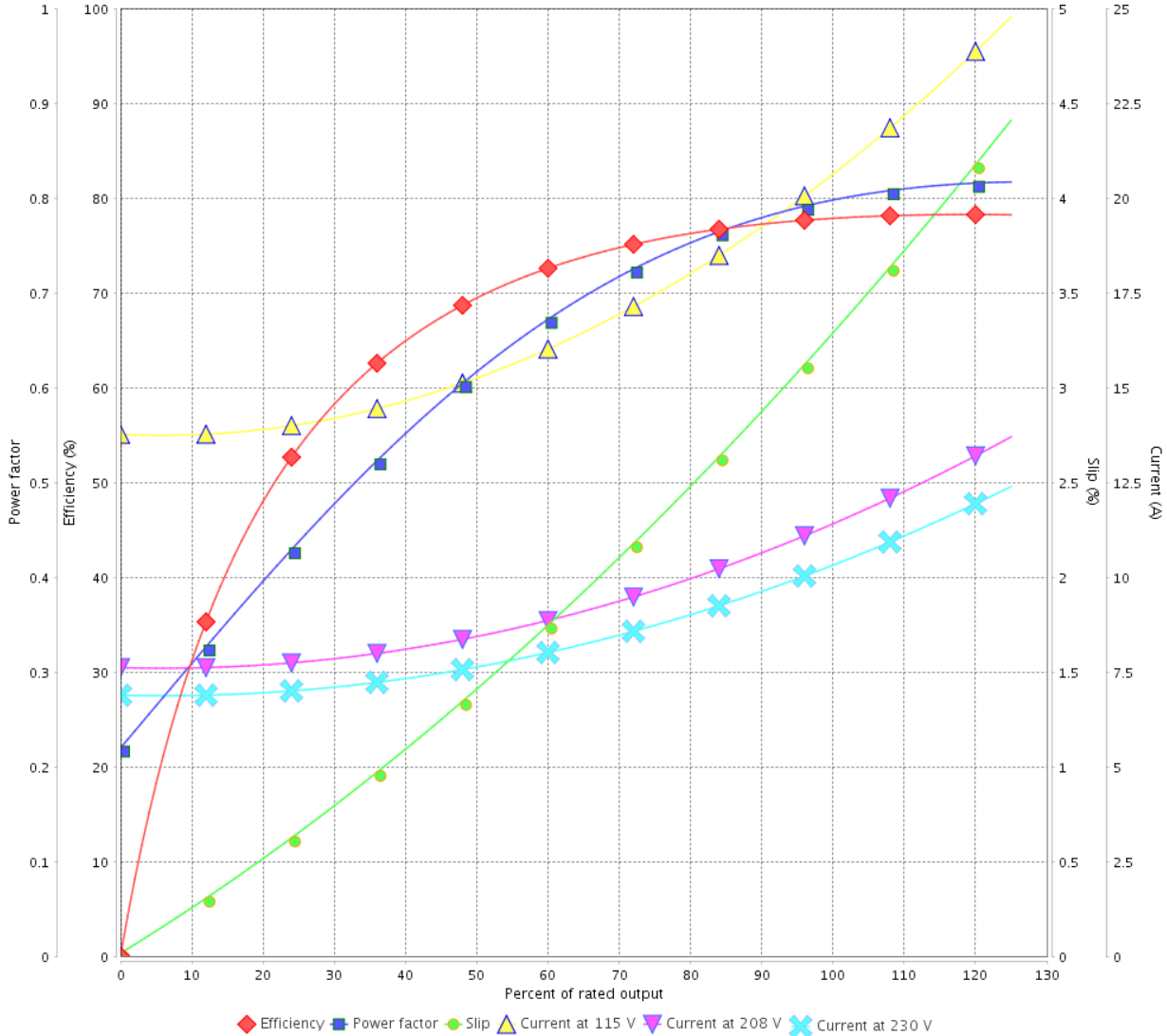


Customer :

Product line : Single-Phase

Product code : 13383418

LOAD PERFORMANCE CURVE



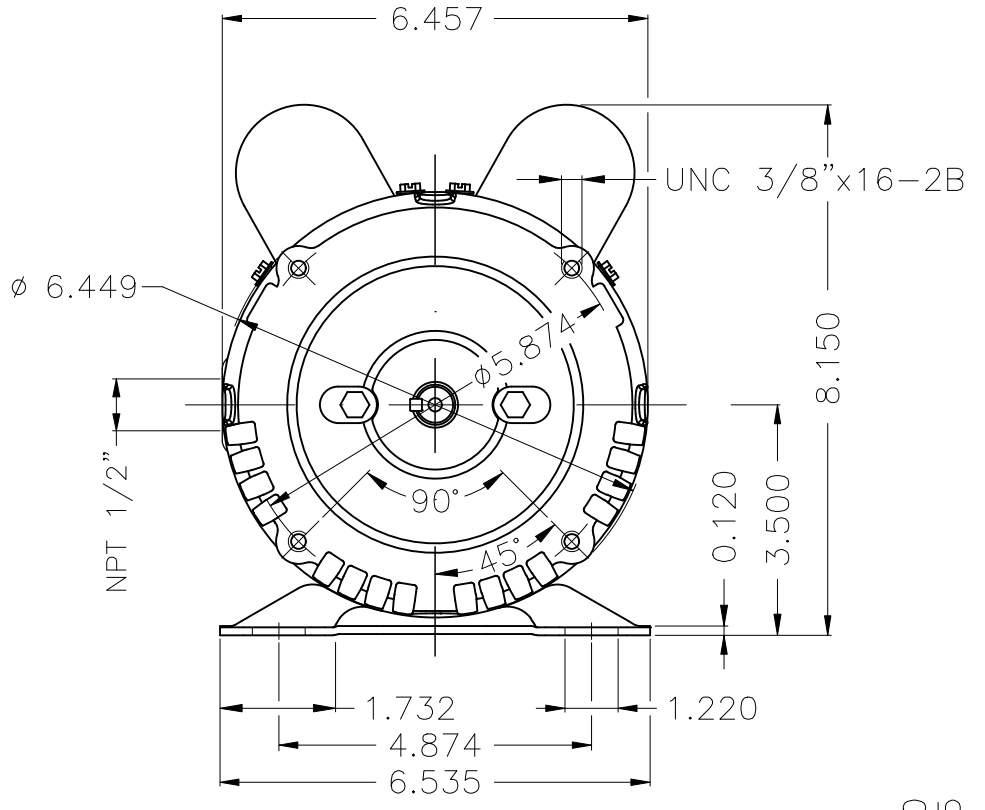
Performance : 115/208-230 V 60 Hz 4P

Rated current : 21.0/11.6-10.5 A
 LRC : 7.5
 Rated torque : 0.834 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Rated speed : 1740 rpm

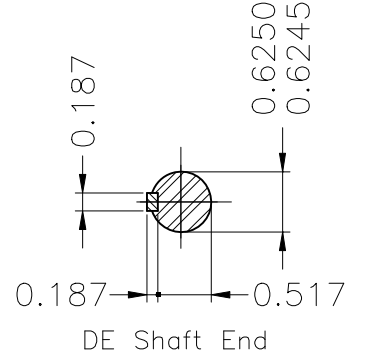
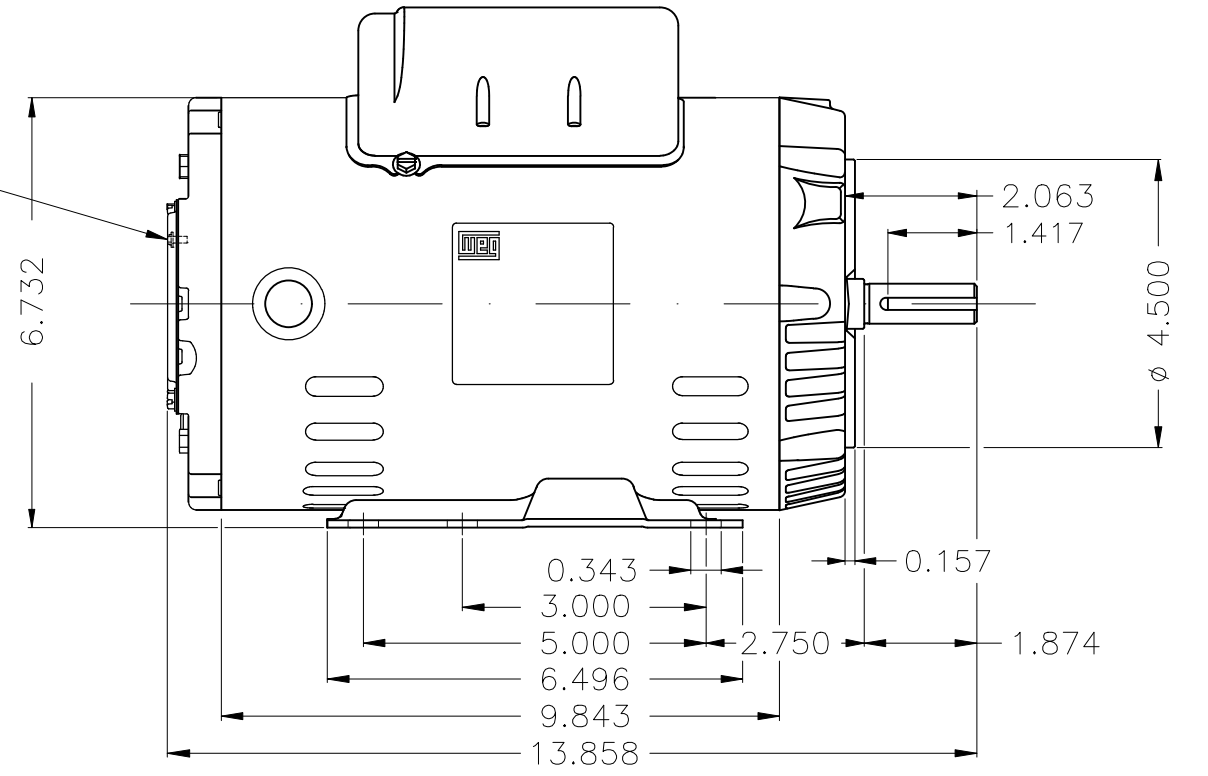
Moment of inertia (J) : 0.0065 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary	Performed	Checked	Date
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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									
CHECKED		FRAME 56HC IP21 ODP									
RELEASED											
REL. DATE		WMO	Jaragua do Sul	Product Engineering							

2 HP 04 Poles 60 Hz

A REL. DATE WMO Jaragua do Sul Product Engineering SHEET 1 / 1

PREVIEW

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