

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13383419		
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 : 15.2 kg		
Design	: L	Moment of inertia (J) : 0.0041 kgm ²		
Output [HP]		1		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		13.5/7.46-6.75		
L. R. Amperes [A]		90.5/50.0-45.2		
LRC [A]		6.7x(Code L)		
No load current [A]		9.60/4.14-4.80		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.416		
Locked rotor torque [%]		270		
Breakdown torque [%]		270		
Service factor				
Temperature rise		80 K		
Locked rotor time		12s (cold) 7s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	60.0		
	75%	68.0		
	100%	71.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.68		
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 : 28 kgf		
Lubrication interval	: - -	Max. compression : 43 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

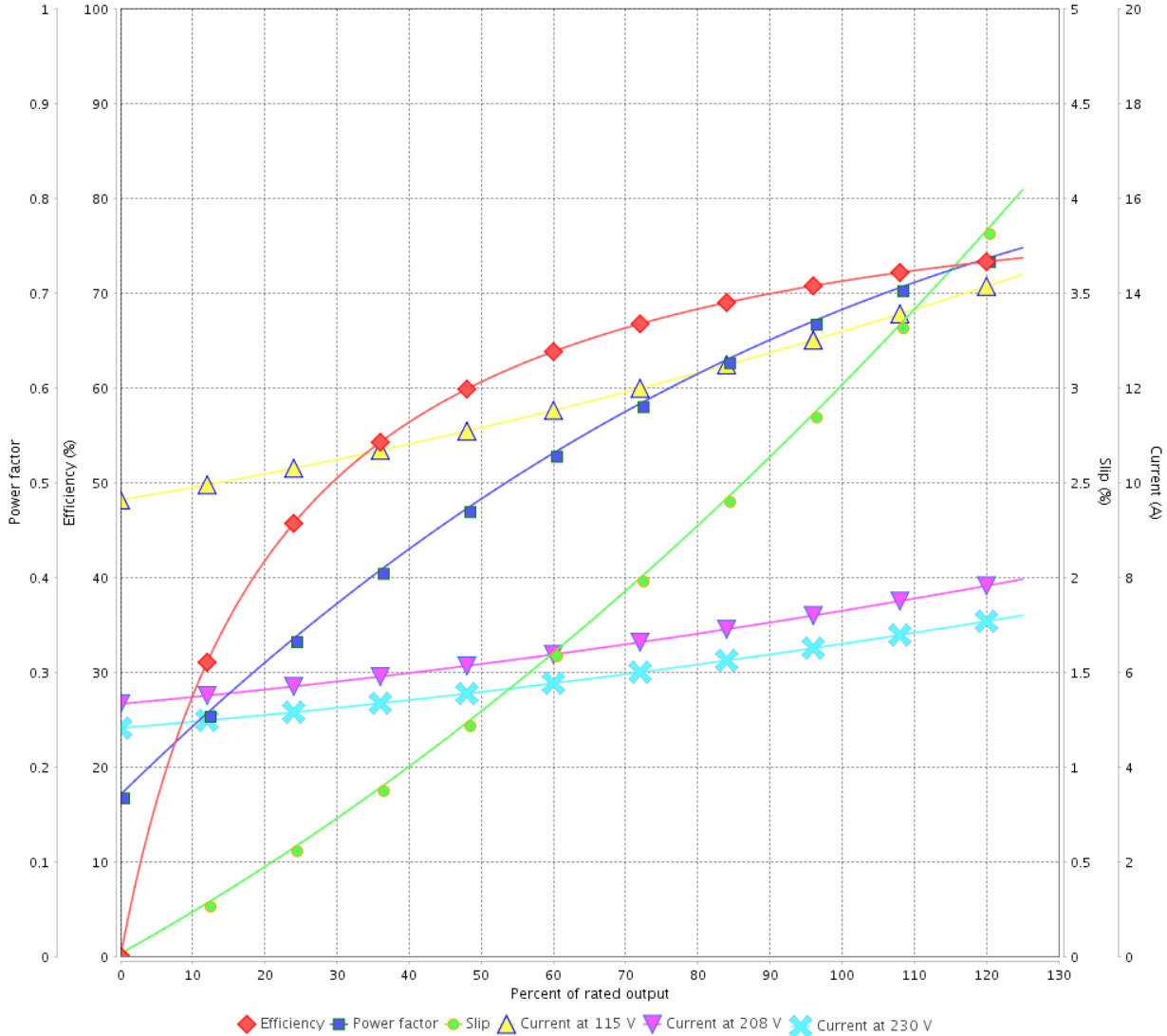


Customer :

Product line : Single-Phase

Product code : 13383419

LOAD PERFORMANCE CURVE



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

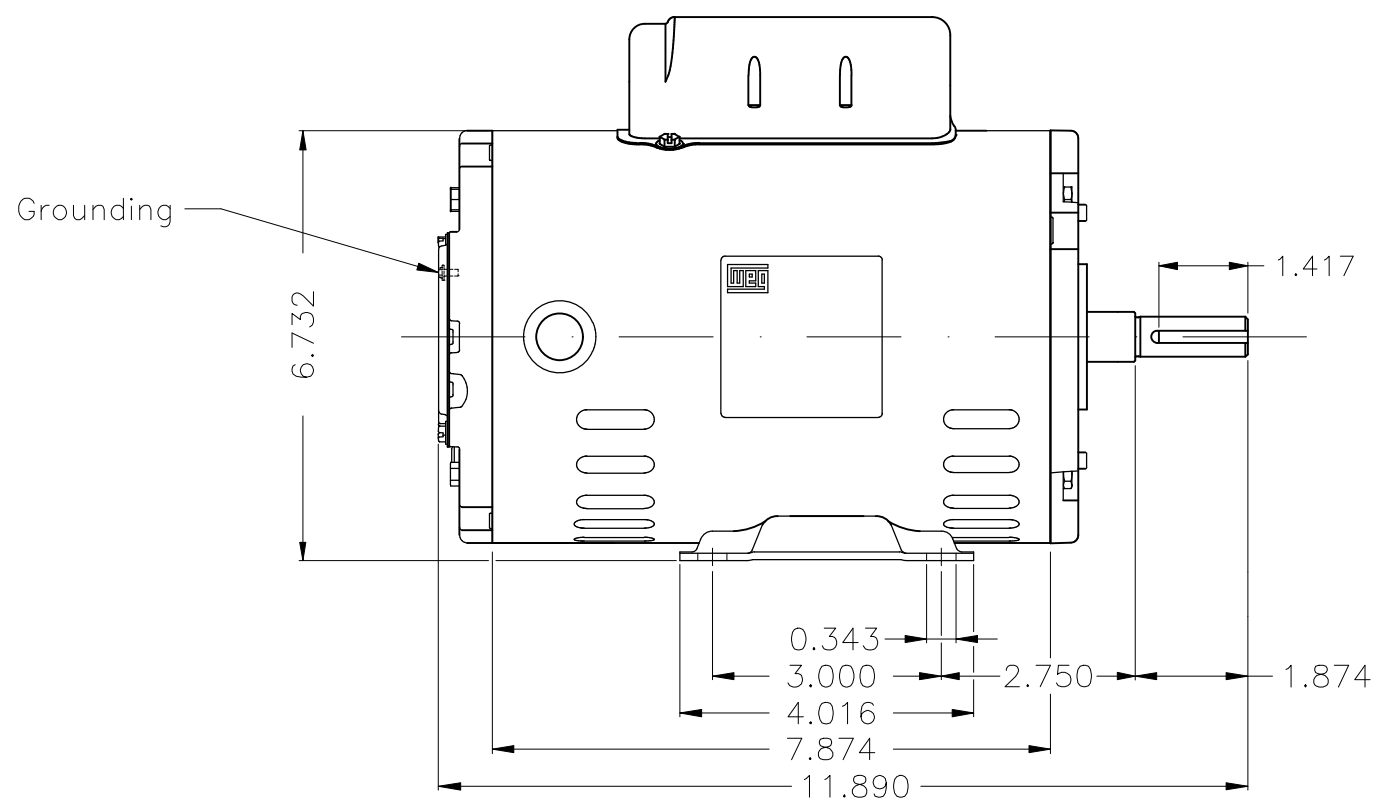
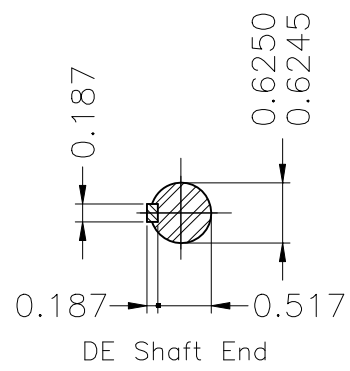
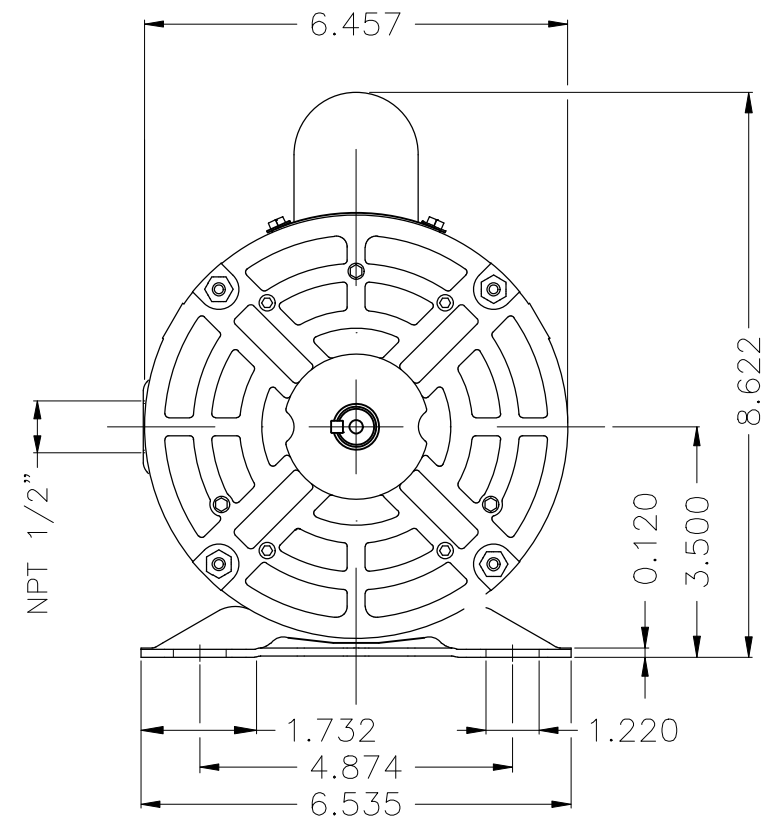
Rated current : 13.5/7.46-6.75 A
 LRC : 6.7
 Rated torque : 0.416 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

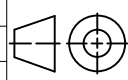
Moment of inertia (J) : 0.0041 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary	Performed	Checked	Date
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1 2 3 4 5 6

A
B
C
D
E



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					
CHECKED					WDD		00			
RELEASED					SHEET		1 / 1			
REL. DATE		WMO	Jaragua do Sul	Product Engineering						

1 HP 04 Poles 60 Hz

A



Dimensions in inches XME A3