

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Single-Phase
Product code :	13484852
Frame	: 56
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Design	: N
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ³	: 13.1 kg
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%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ
Sealing	: Without Without Bearing Seal Bearing Seal
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 20 kgf Max. compression : 33 kgf
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 by	Performed
Checked by	Checked
Date	17/05/2022
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Revision	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

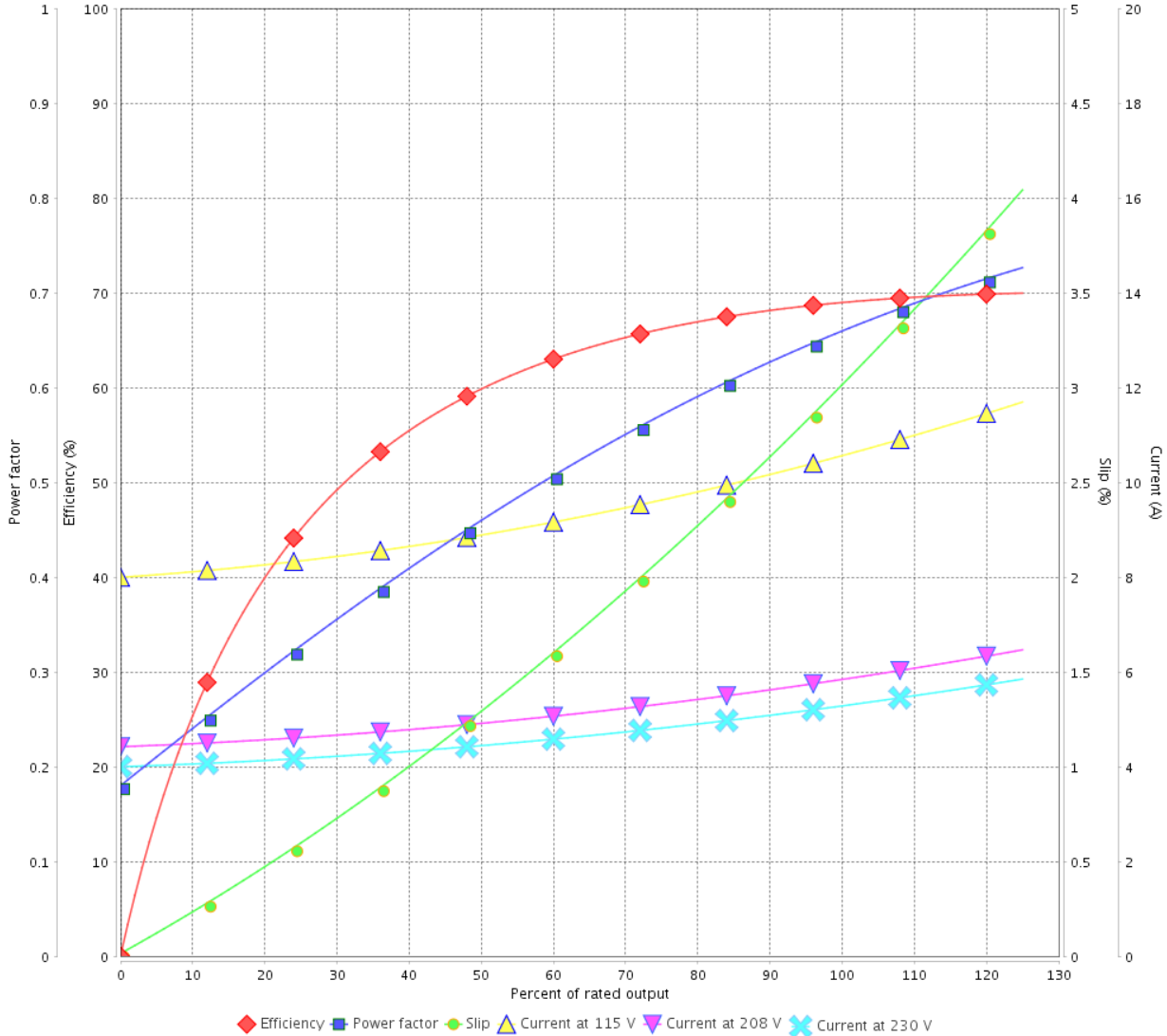


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Product line : Single-Phase

Product code : 13484852

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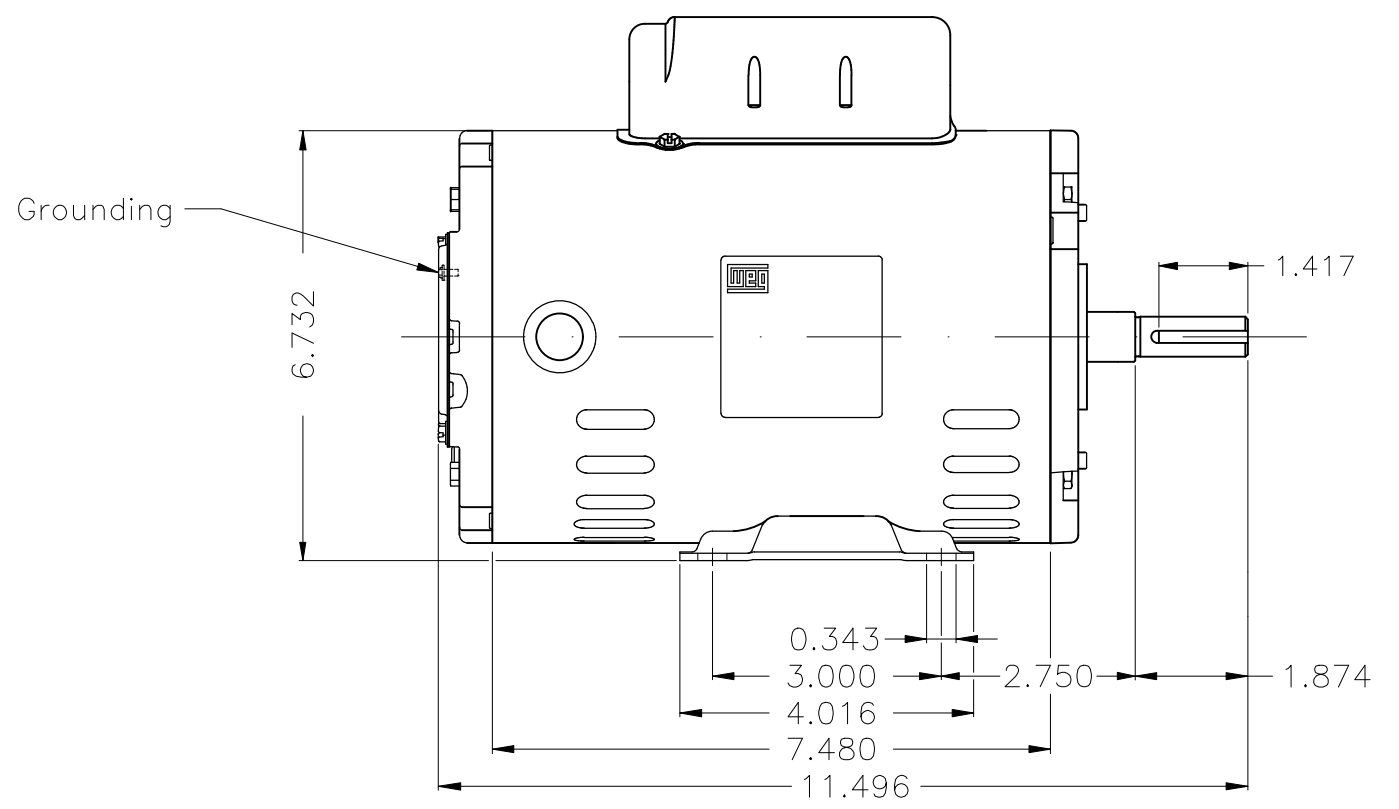
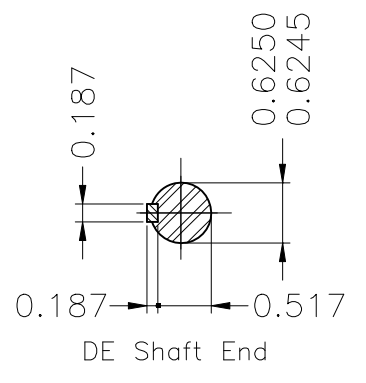
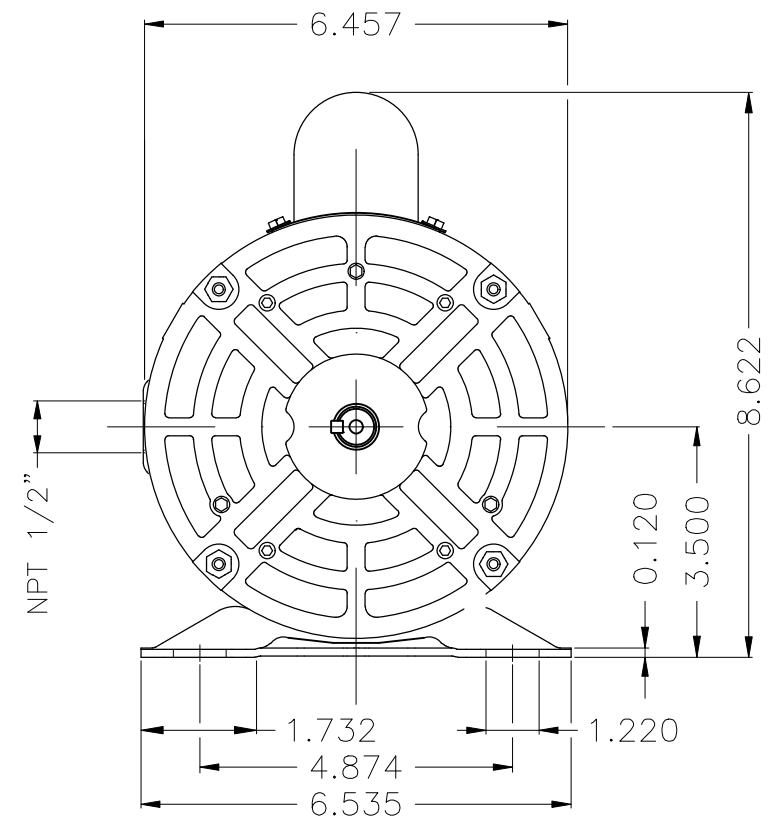


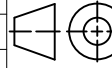
Performance : 115/208-230 V 60 Hz 4P

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			



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

0.75 HP 04 Poles 60 Hz

A



Dimensions in inches XME A3