

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 13383185		
Frame	: W56C	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 ² : 8.1 kg		
Design	: N	Moment of inertia (J) : 0.0017 kgm ²		
Output [HP]		0.33		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		6.24/3.45-3.12		
L. R. Amperes [A]		34.9/19.3-17.5		
LRC [A]		5.6x(Code M)		
No load current [A]		5.40/2.33-2.70		
Rated speed [RPM]		1735		
Slip [%]		3.61		
Rated torque [kgfm]		0.138		
Locked rotor torque [%]		330		
Breakdown torque [%]		280		
Service factor				
Temperature rise		80 K		
Locked rotor time		21s (cold) 12s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	49.0		
	75%	57.0		
	100%	60.0		
Power Factor	25%			
	50%	0.41		
	75%	0.50		
	100%	0.58		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 8 kgf		
Lubrication interval	: - -	Max. compression : 16 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				
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Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

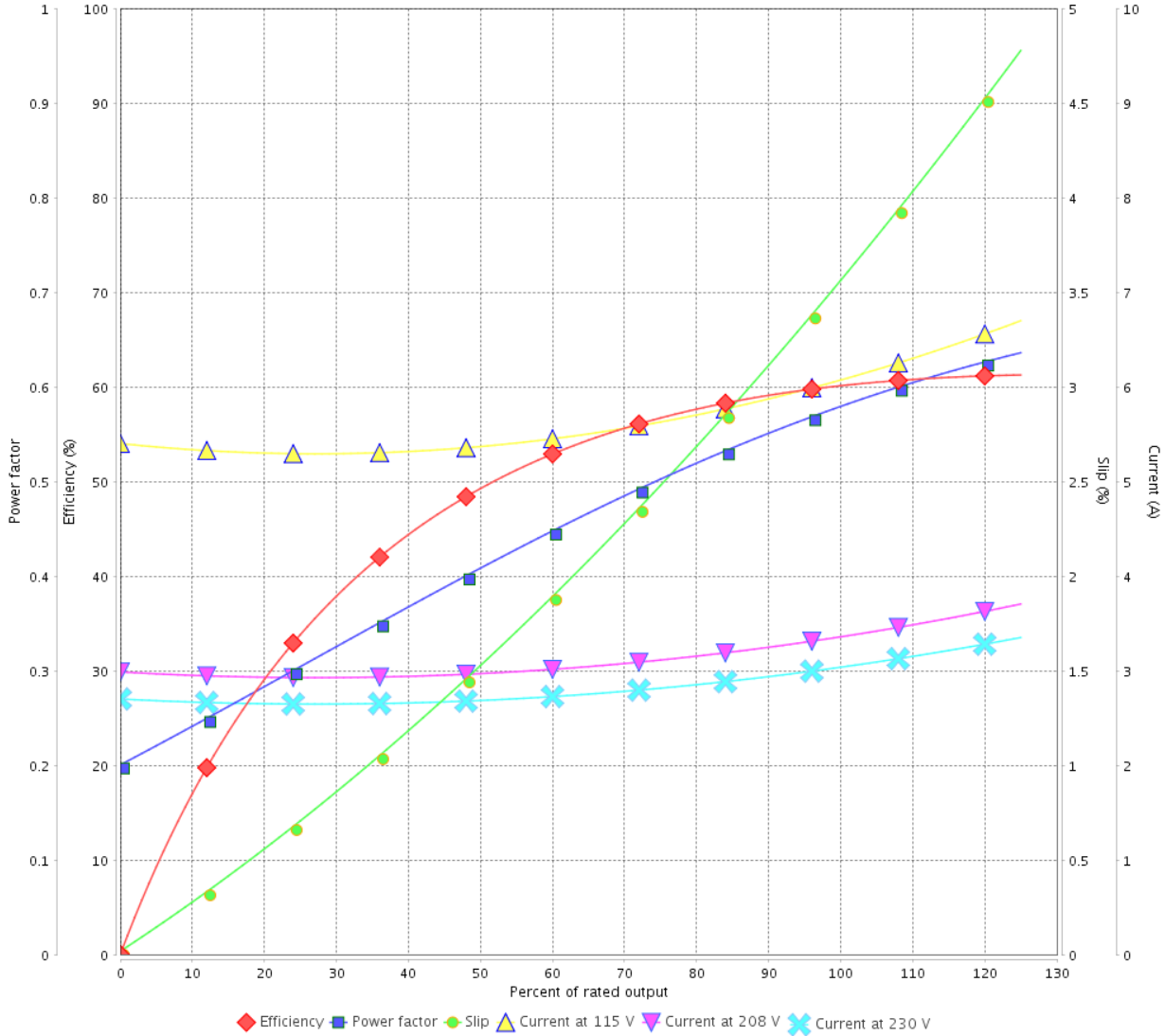


Customer : _____

Product line : Single-Phase

Product code : 13383185

LOAD PERFORMANCE CURVE



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

Rated current : 6.24/3.45-3.12 A
 LRC : 5.6
 Rated torque : 0.138 kgfm
 Locked rotor torque : 330 %
 Breakdown torque : 280 %
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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Date	17/05/2022			

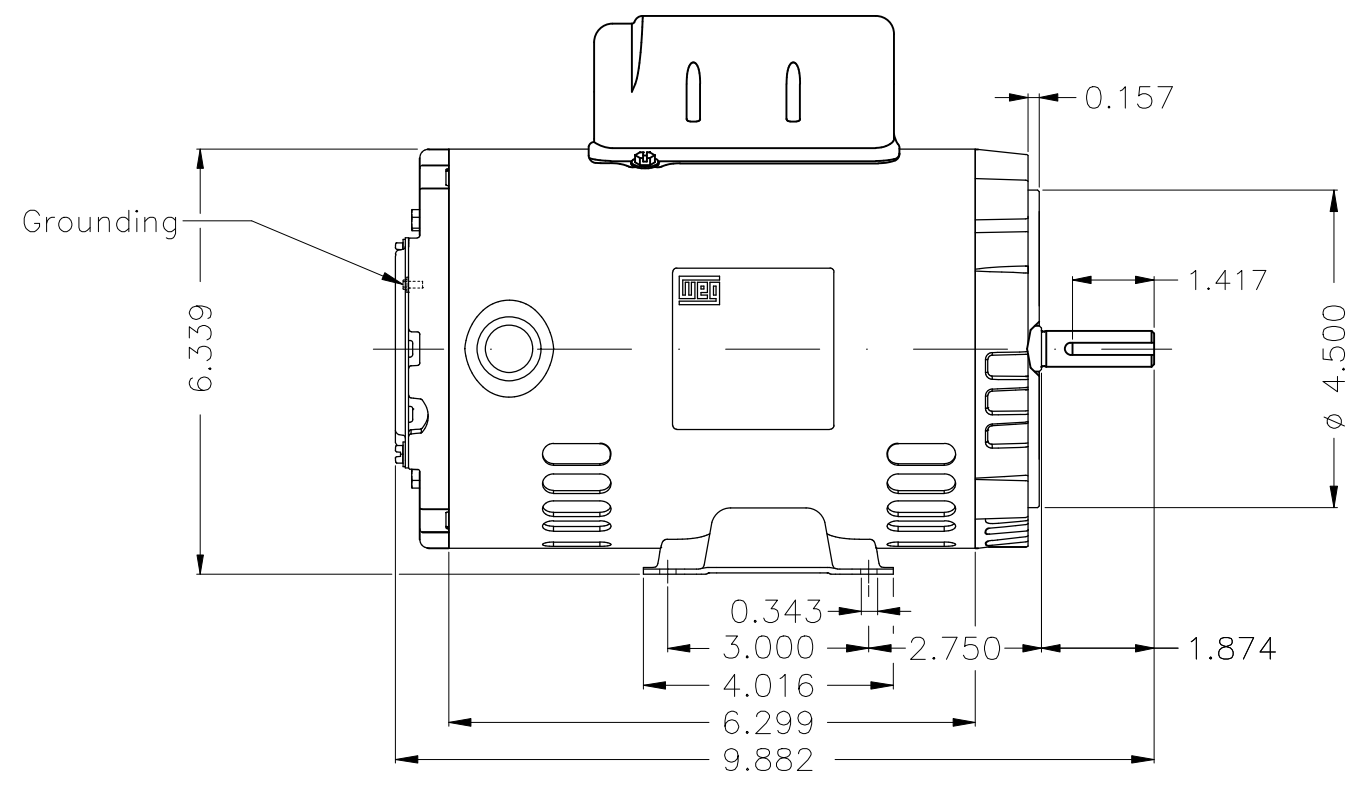
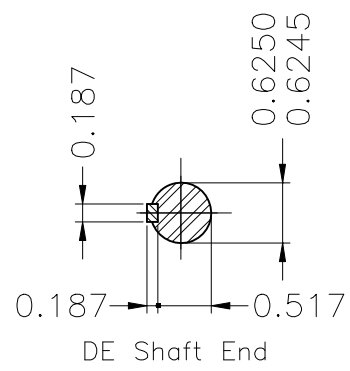
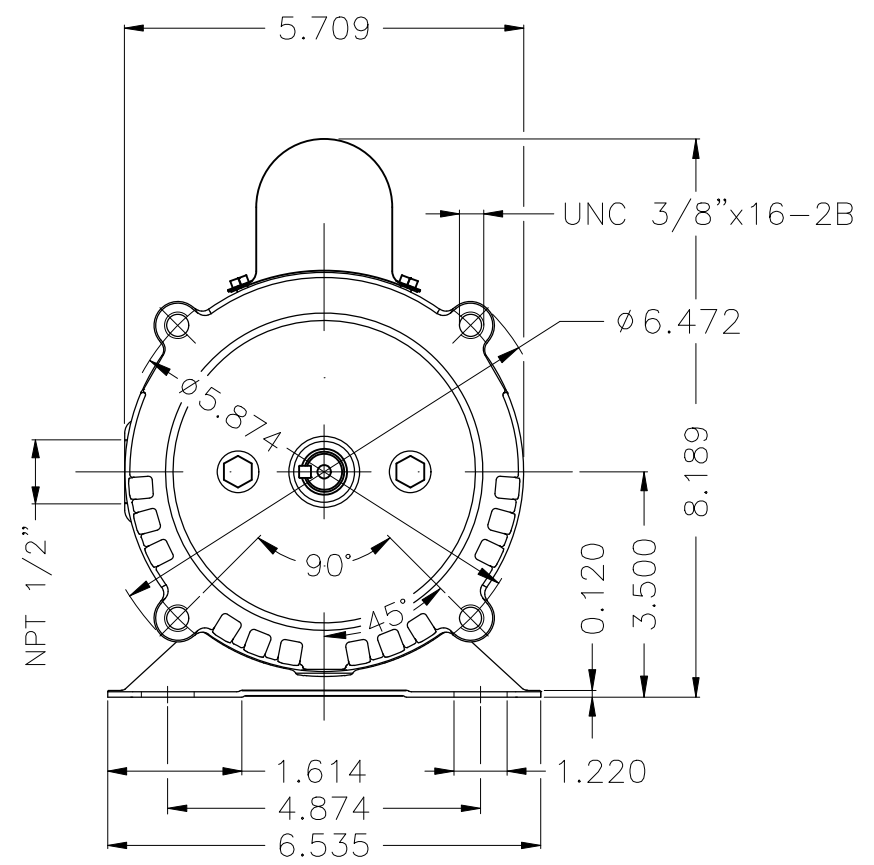
A

B

C

D

E



Design N
 Color Munsell N 1 matte black
 Painting plan 207N
 Mounting B34D

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL FRAME W56C IP21 ODP					
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	HYBRISUSER 00			

PREVIEW
 WDD 00
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0.33 HP 04 Poles 60 Hz

A

Dimensions in inches XME A3