

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Single-Phase	Product code :	13878029		
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 ³	: 8.4 kg		
Design	: N	Moment of inertia (J)	: 0.0008 kgm ²		
Output [HP]	0.33				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	5.00/2.76-2.50				
L. R. Amperes [A]	37.0/20.4-18.5				
LRC [A]	7.4x(Code M)				
No load current [A]	3.40/1.47-1.70				
Rated speed [RPM]	3500				
Slip [%]	2.78				
Rated torque [kgfm]	0.068				
Locked rotor torque [%]	300				
Breakdown torque [%]	300				
Service factor					
Temperature rise	80 K				
Locked rotor time	14s (cold) 8s (hot)				
Noise level ²	56.0 dB(A)				
Efficiency (%)	25%				
	50%	49.0			
	75%	56.0			
	100%	59.0			
Power Factor	25%				
	50%	0.57			
	75%	0.66			
	100%	0.74			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: Without	Without	Max. traction	: 2 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 10 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					
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

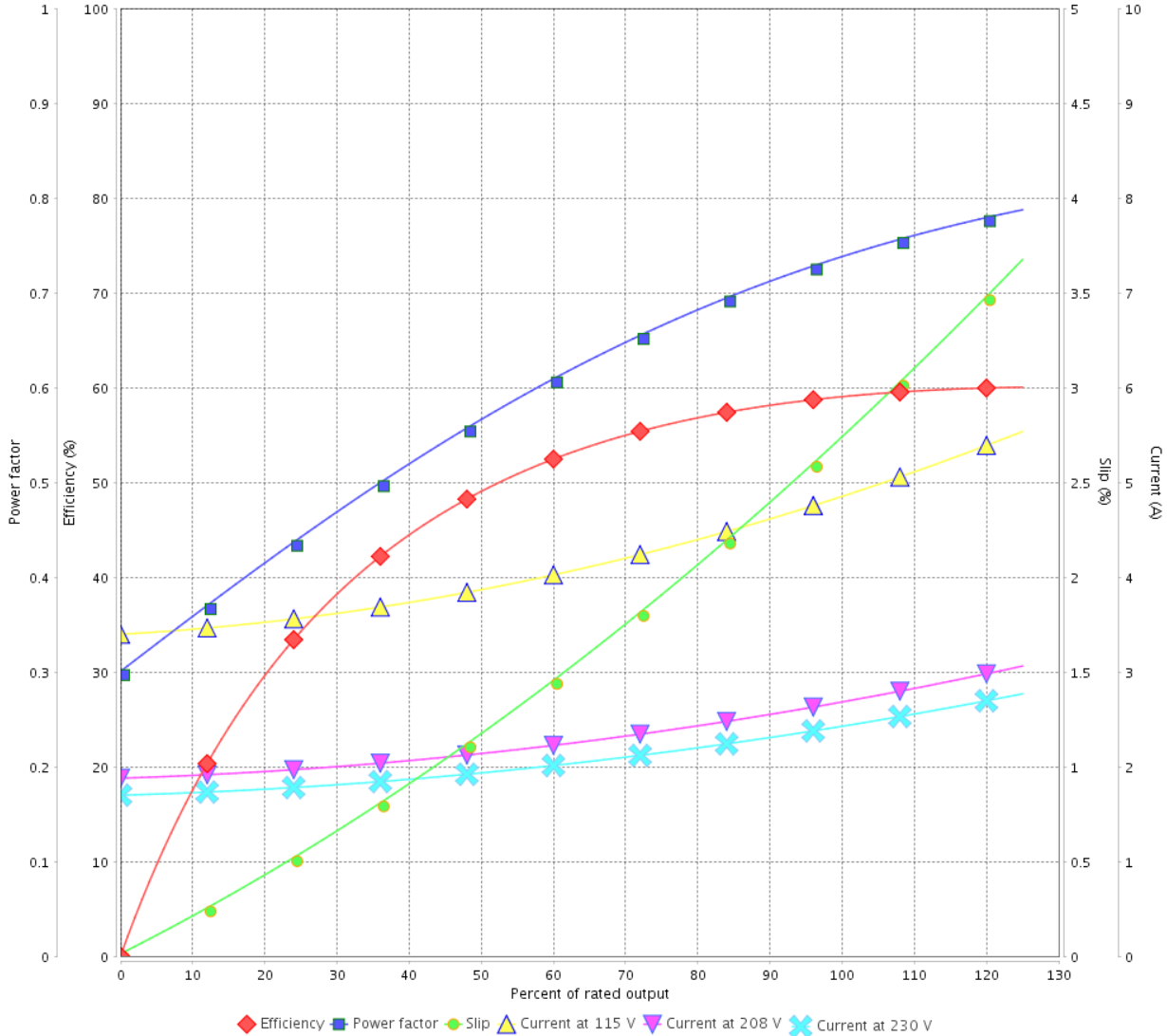


Customer :

Product line : Single-Phase

Product code : 13878029

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 2P

Rated current : 5.00/2.76-2.50 A
 LRC : 7.4
 Rated torque : 0.068 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0008 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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Date	17/05/2022			

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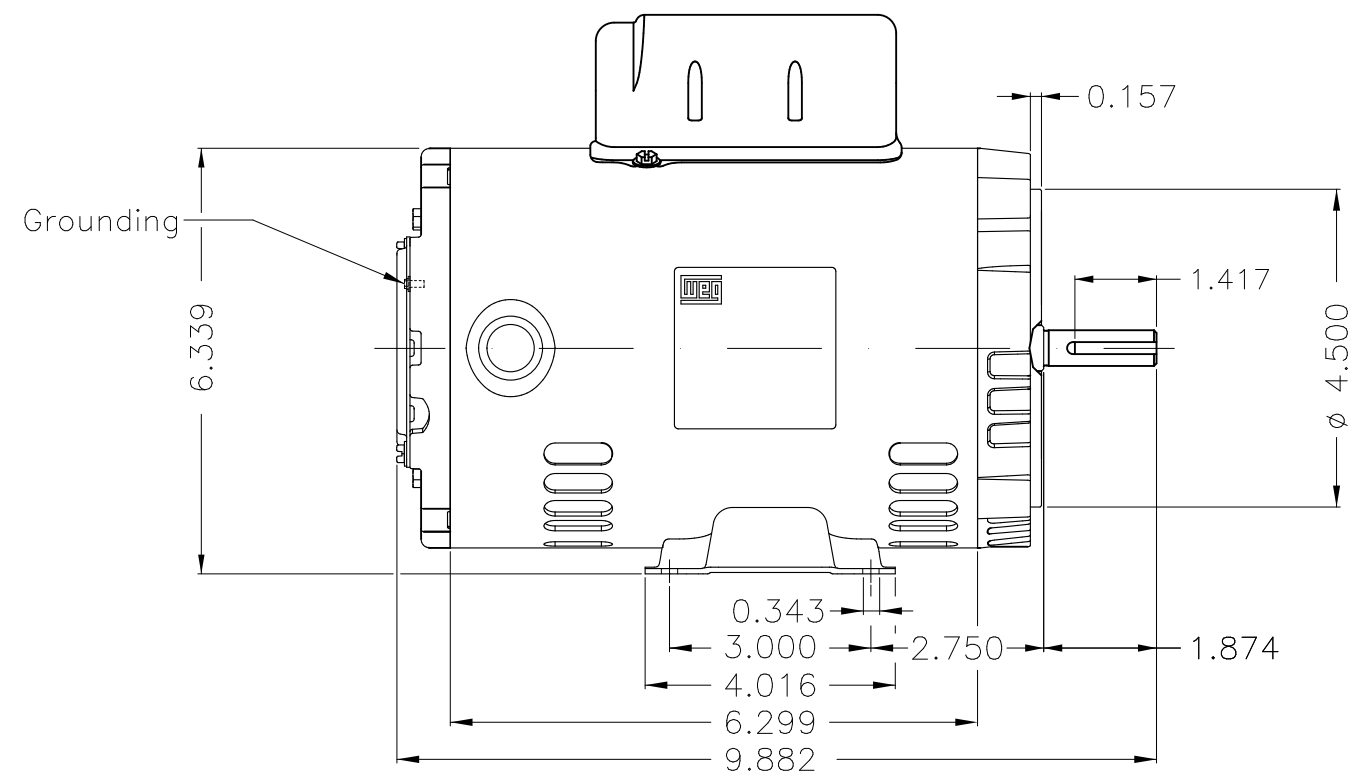
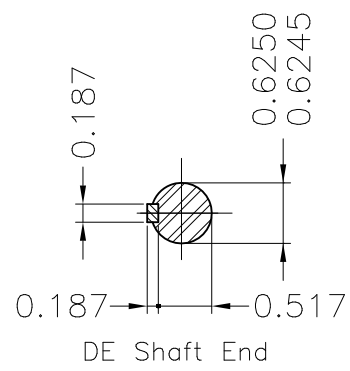
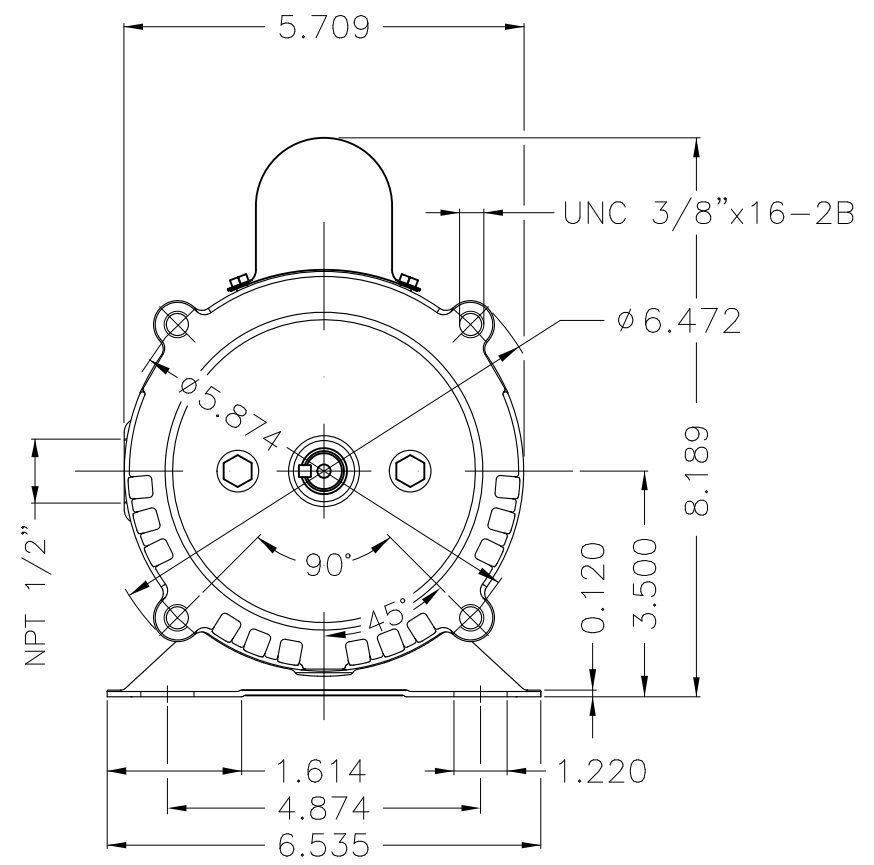
A

B

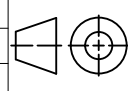
C

D

E



Color RAL 7022
 Painting plan 207N
 Mounting F-1/B34R(D)

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	WDD	00	SHEET	1 / 1

0.33 HP 02 Poles 60 Hz

HYBRISUSER 00
 WDD 00
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