

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Single-Phase	Product code :	15557700		
Frame	: W56	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 10.9 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0012 kgm <sup>2</sup>		
Design	: N				
Output [HP]	0.33				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	3.18/1.75-1.59				
L. R. Amperes [A]	28.6/15.8-14.3				
LRC [A]	9.0x(Code L)				
No load current [A]	1.00/0.431-0.500				
Rated speed [RPM]	3505				
Slip [%]	2.64				
Rated torque [kgfm]	0.068				
Locked rotor torque [%]	290				
Breakdown torque [%]	320				
Service factor					
Temperature rise	80 K				
Locked rotor time	30s (cold) 17s (hot)				
Noise level <sup>2</sup>	66.0 dB(A)				
Efficiency (%)	25%				
	50%	55.0			
	75%	68.0			
	100%	72.0			
Power Factor	25%				
	50%	0.94			
	75%	0.94			
	100%	0.95			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 1 kgf	
Lubrication interval	: -	-	Max. compression	: 12 kgf	
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
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	Checked	Date
Performed by					
Checked by				Page	Revision
Date	17/05/2022			1 / 2	

# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

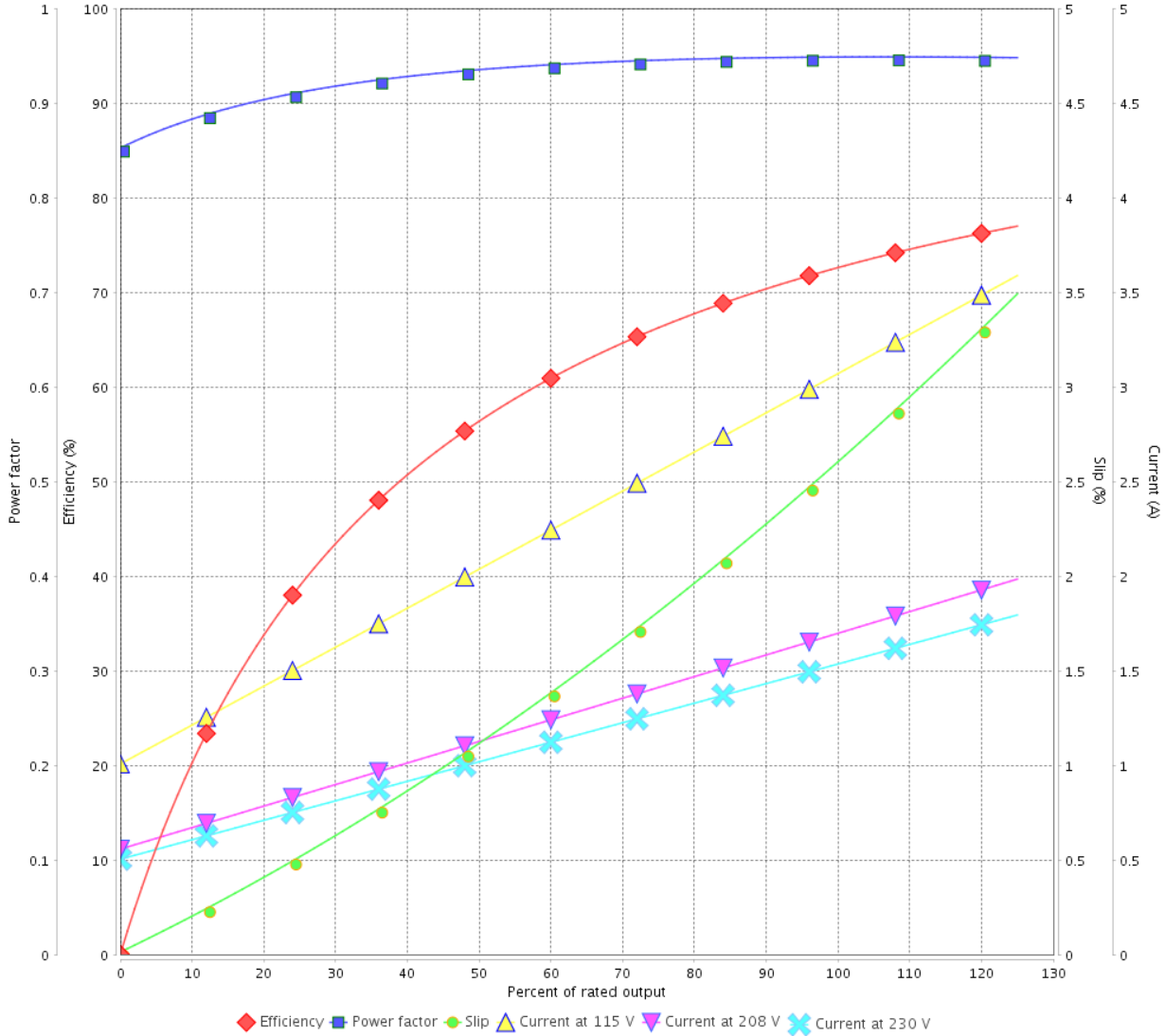


Customer :

Product line : Single-Phase

Product code : 15557700

LOAD PERFORMANCE CURVE



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

Rated current : 3.18/1.75-1.59 A  
 LRC : 9.0  
 Rated torque : 0.068 kgfm  
 Locked rotor torque : 290 %  
 Breakdown torque : 320 %  
 Rated speed : 3505 rpm

Moment of inertia (J) : 0.0012 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

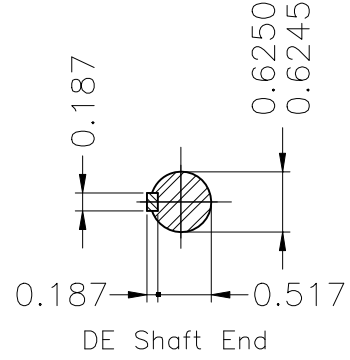
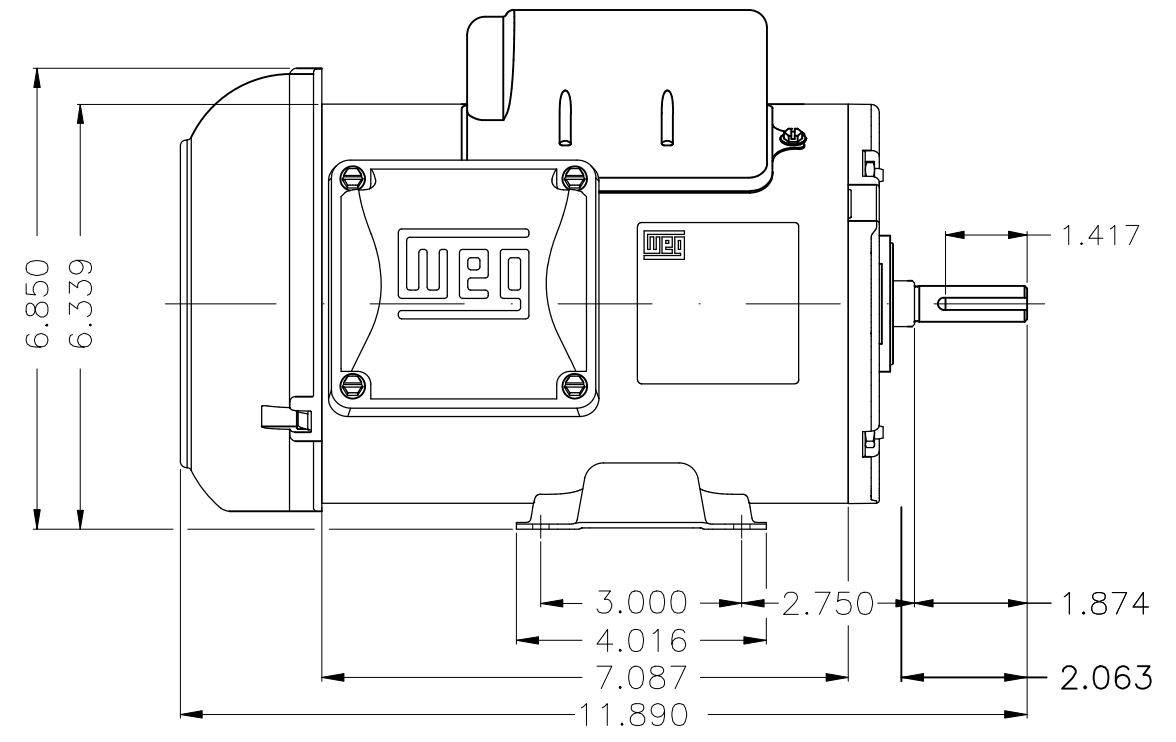
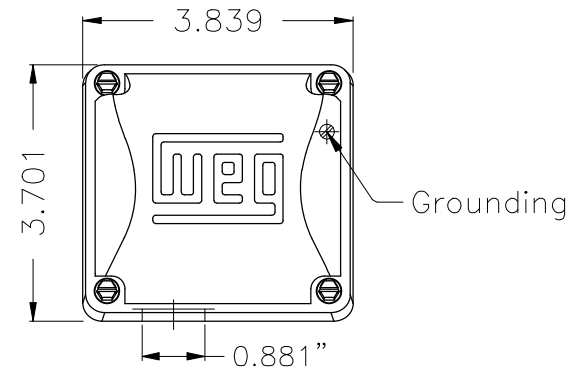
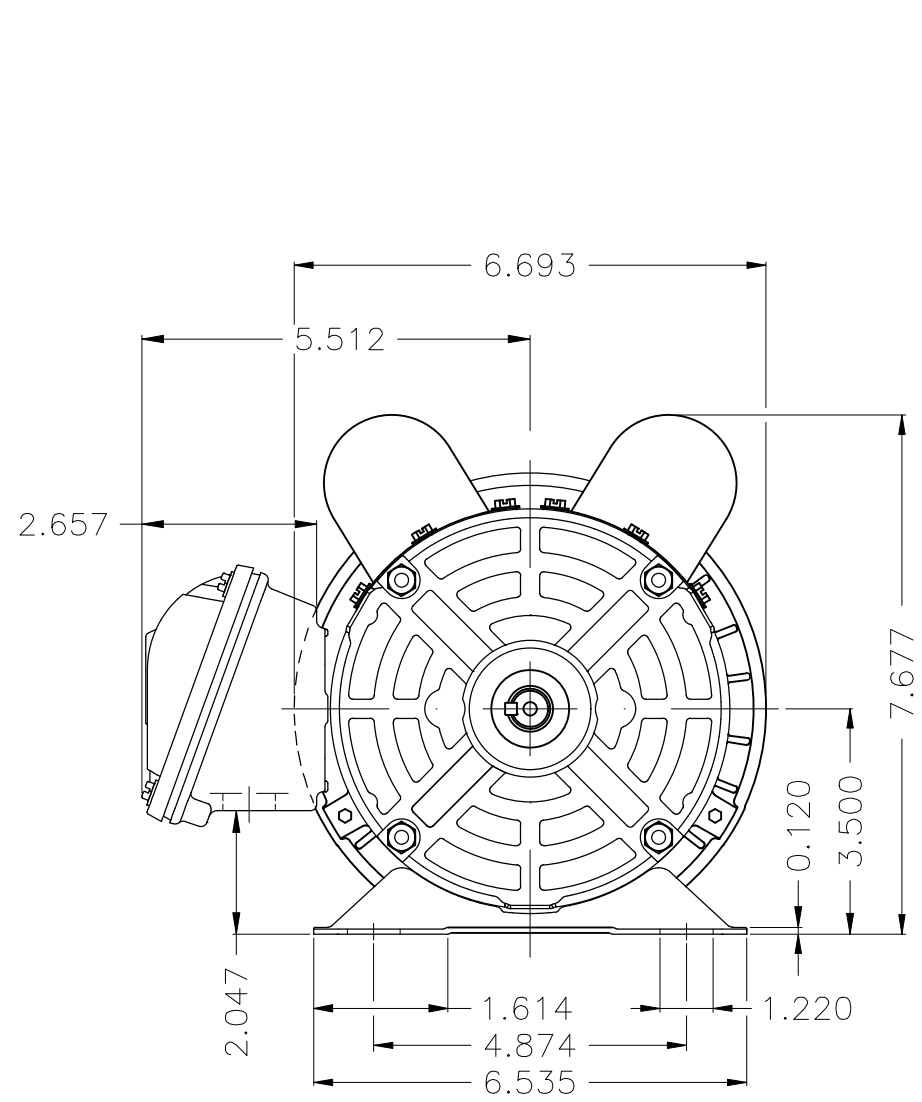
A

B

C

D

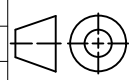
E



Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B3R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	 SINGLE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME W56 IP55 TEFC					
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	HYBRISUSER 00		WDD   00 SHEET 1 / 1	

0.33 HP 02 Poles 60 Hz

A

