

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: 00022 Single-Phase		Product code : 15059894
Frame	: W56C	Cooling method	: IC411 - TEFC	
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	: 8.7 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0017 kgm ²	
Design	: N			
Output [HP]	0.33			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	115/230			
Rated current [A]	6.00/3.00			
L. R. Amperes [A]	33.6/16.8			
LRC [A]	5.6x(Code N)			
No load current [A]	5.40/2.70			
Rated speed [RPM]	1735			
Slip [%]	3.61			
Rated torque [kgfm]	0.138			
Locked rotor torque [%]	320			
Breakdown torque [%]	280			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	21s (cold) 12s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%	46.0		
	75%	55.0		
	100%	61.0		
Power Factor	25%			
	50%	0.42		
	75%	0.51		
	100%	0.59		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 8 kgf	
Lubrication interval	: -	-	Max. compression : 16 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
Performed by				
Checked by				
Date	17/05/2022		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

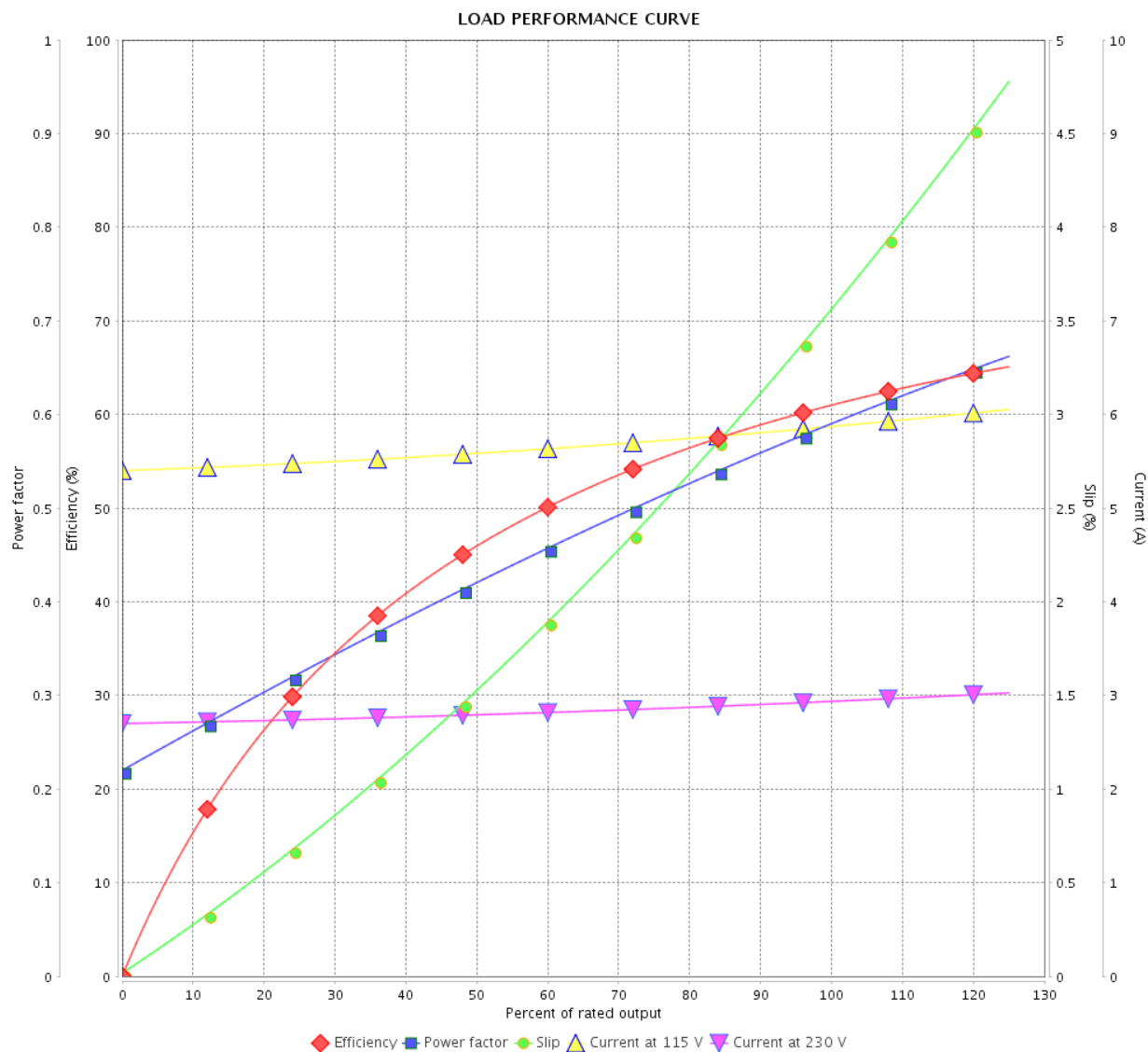
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Product line : 00022 Single-Phase

Product code : 15059894

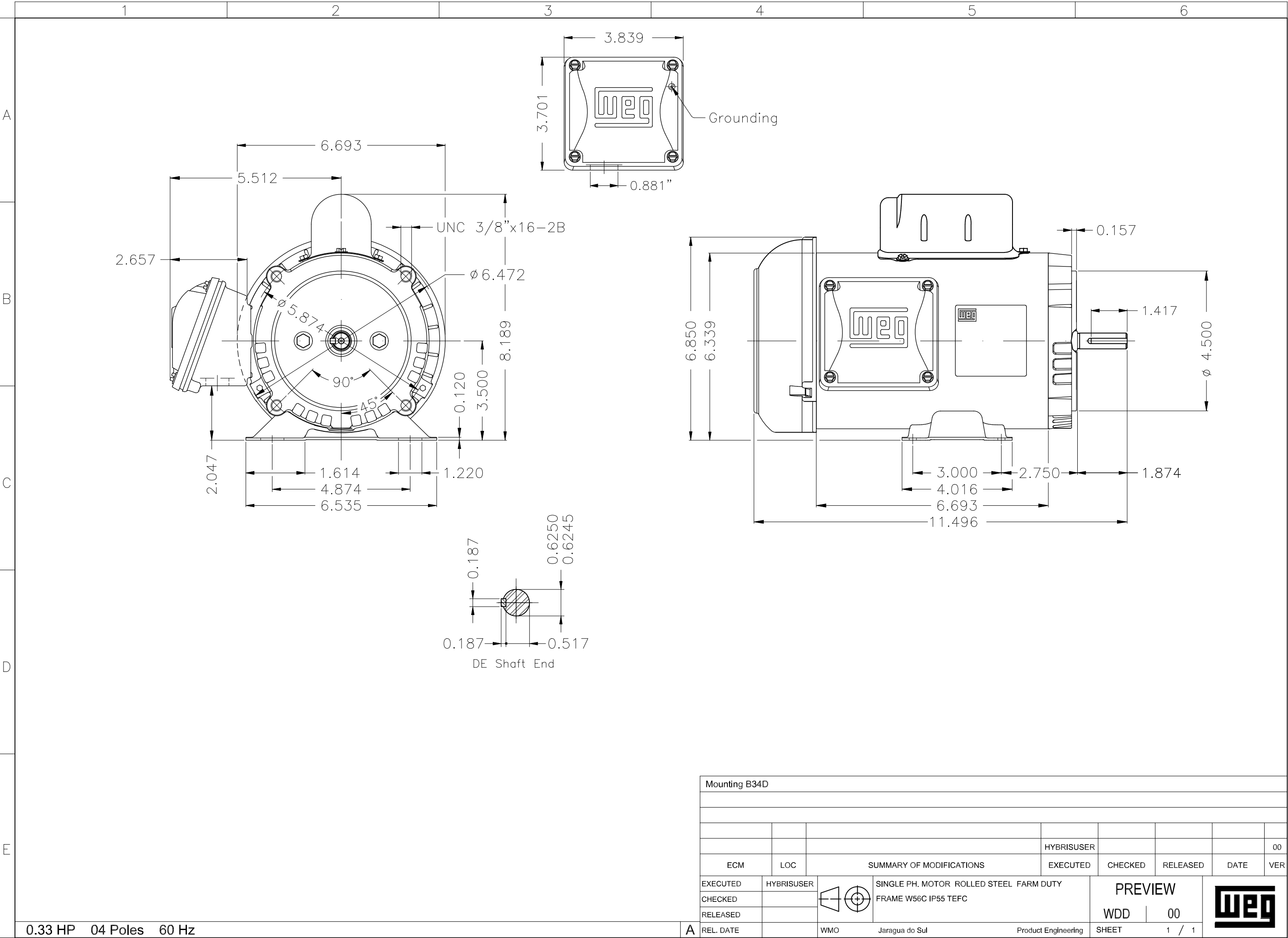


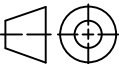
Performance : 115/230 V 60 Hz 4P

Rated current : 6.00/3.00 A
 LRC : 5.6
 Rated torque : 0.138 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 280 %
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
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Date					



Mounting B34D										
						HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER			SINGLE PH. MOTOR ROLLED STEEL FARM DUTY FRAME W56C IP55 TEFC			PREVIEW WDD 00			
CHECKED										
RELEASED										
REL. DATE										
		WMO	Jaragua do Sul			Product Engineering	SHEET	1 / 1		