

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line : Single-Phase		Product code : 13383186			
Frame : 56C	Insulation class : F	Cooling method : IC01 - ODP	Mounting : F-1		
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation ¹ : Both (CW and CCW)	Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.	Design : N	Approx. weight ³ : 13.3 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%	60.0			
	75%	66.0			
	100%	69.0			
Power Factor	25%				
	50%	0.46			
	75%	0.57			
	100%	0.66			
Bearing type : 6203 ZZ	Drive end	Non drive end	Foundation loads		
Sealing : Without			Max. traction : 20 kgf		
	Bearing Seal	Bearing Seal	Max. compression : 33 kgf		
Lubrication interval : -	-	-			
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					
Date	17/05/2022			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

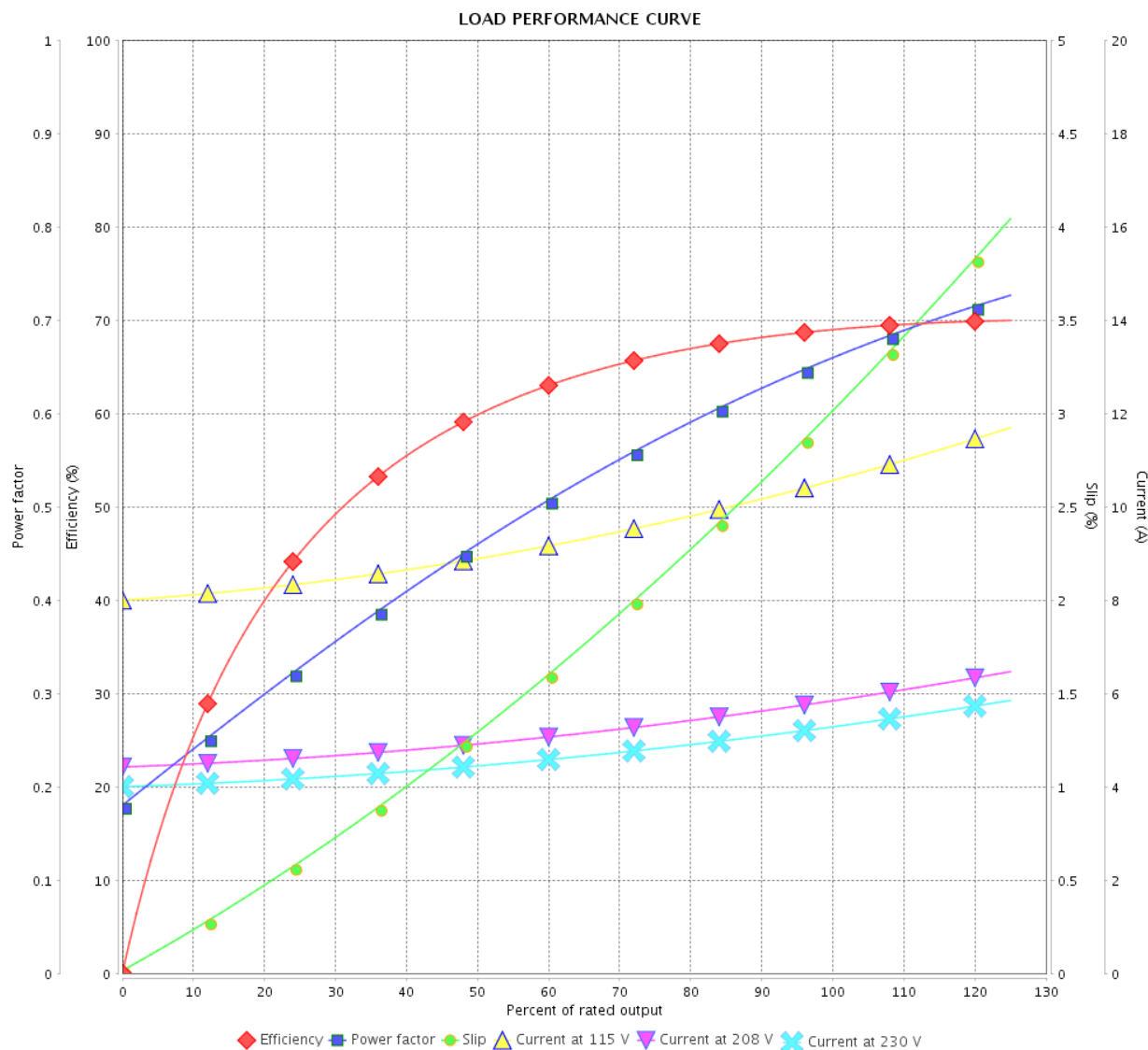
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Product code : 13383186

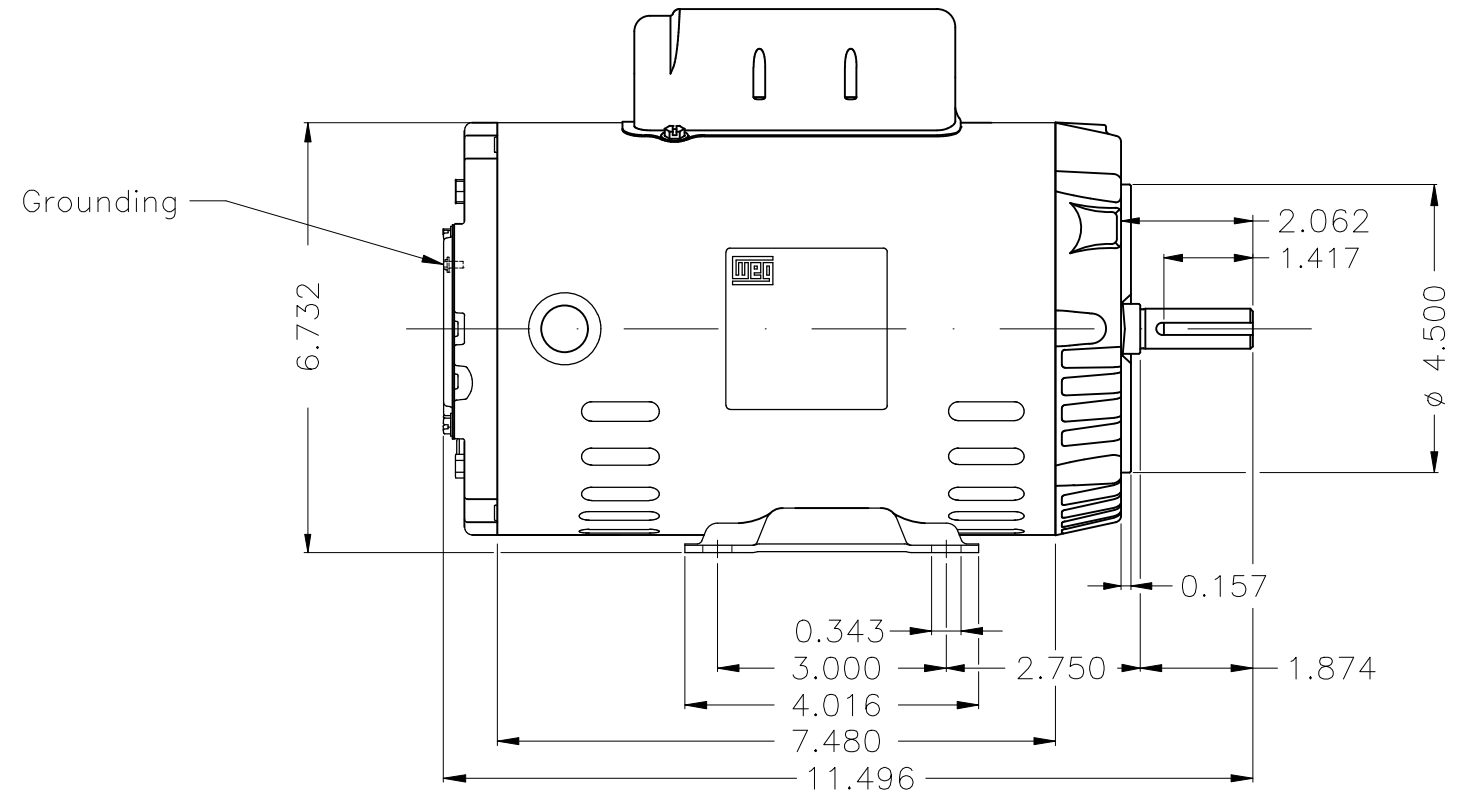


Performance : 115/208-230 V 60 Hz 4P



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

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Date					



Grounding

Color Munsell N 1 matte black											
Painting plan 207N											
Mounting B34D											
					HYBRISUSER				00		
ECM		LOC		SUMMARY OF MODIFICATIONS		EXECUTED		CHECKED	RELEASED	DATE	VER
EXECUTED		HYBRISUSER				SINGLE PH. MOTOR ROLLED STEEL FRAME 56C IP21 ODP		PREVIEW WDD 00			
CHECKED											
RELEASED											
REL. DATE				WMO Jaragua do Sul		Product Engineering		SHEET 1 / 1			

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Dimensions in inches

XME	A3