

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 15175502

Frame : 213/5TC
 Output : 2 HP (1.5 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 18.6/9.40-9.31 A
 L. R. Amperes : 151/76.1-75.4 A
 LRC : 8.1x(Code K)
 No load current : 9.20/3.97-4.60 A
 Rated speed : 1175 rpm
 Slip : 2.08 %
 Rated torque : 1.24 kgfm
 Locked rotor torque : 185 %
 Breakdown torque : 229 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.0443 kgm²

Locked rotor time : 10s (cold) 6s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP55
 Cooling method : IC411 - TEFC
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 63.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 64.3 kg

Output	50%	75%	100%
Efficiency (%)	65.0	73.0	77.0
Power Factor	0.82	0.88	0.91

Foundation loads
 Max. traction : 20 kgf
 Max. compression : 84 kgf

	Drive end	Non drive end
Bearing type	6308 ZZ	6206 ZZ
Sealing	V'Ring	V'Ring
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		Page 1 / 2 Revision		
Checked by				
Date	29/10/2024			

LOAD PERFORMANCE CURVE

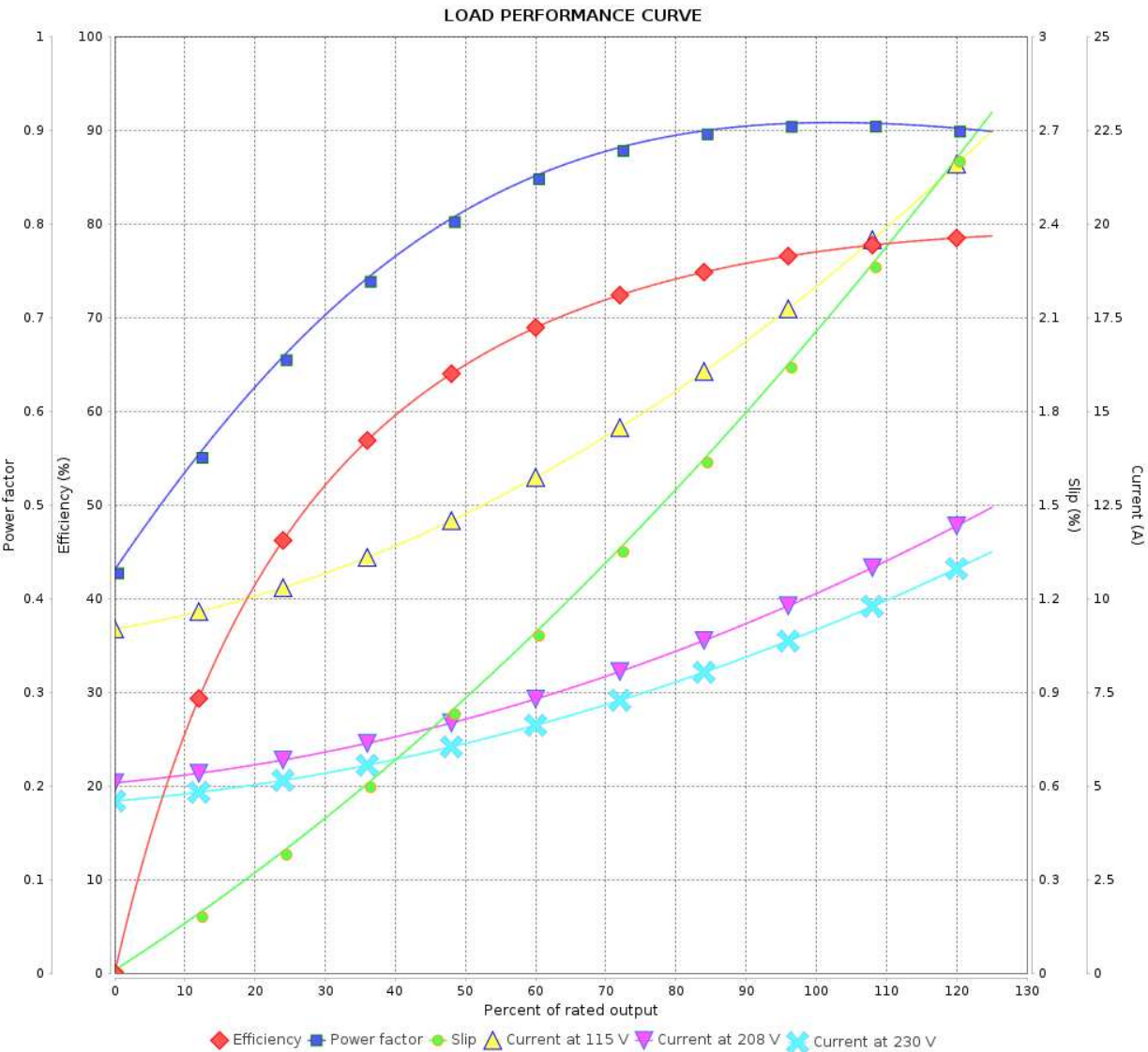
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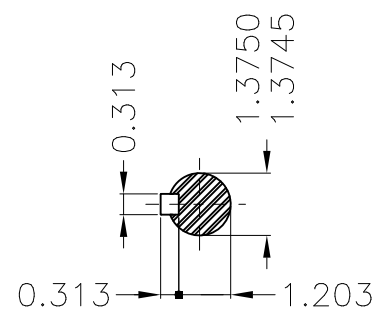
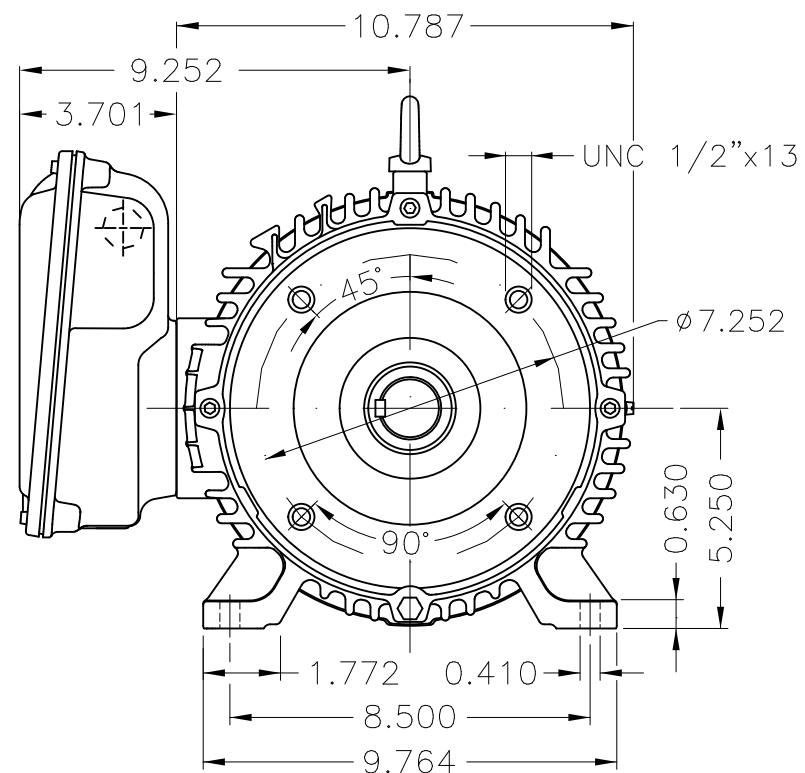
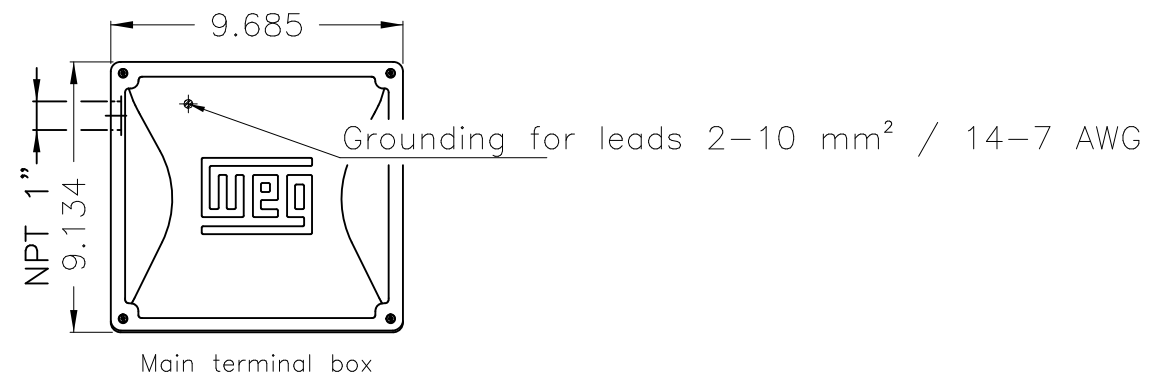


Performance : 115/208-230 V 60 Hz 6P

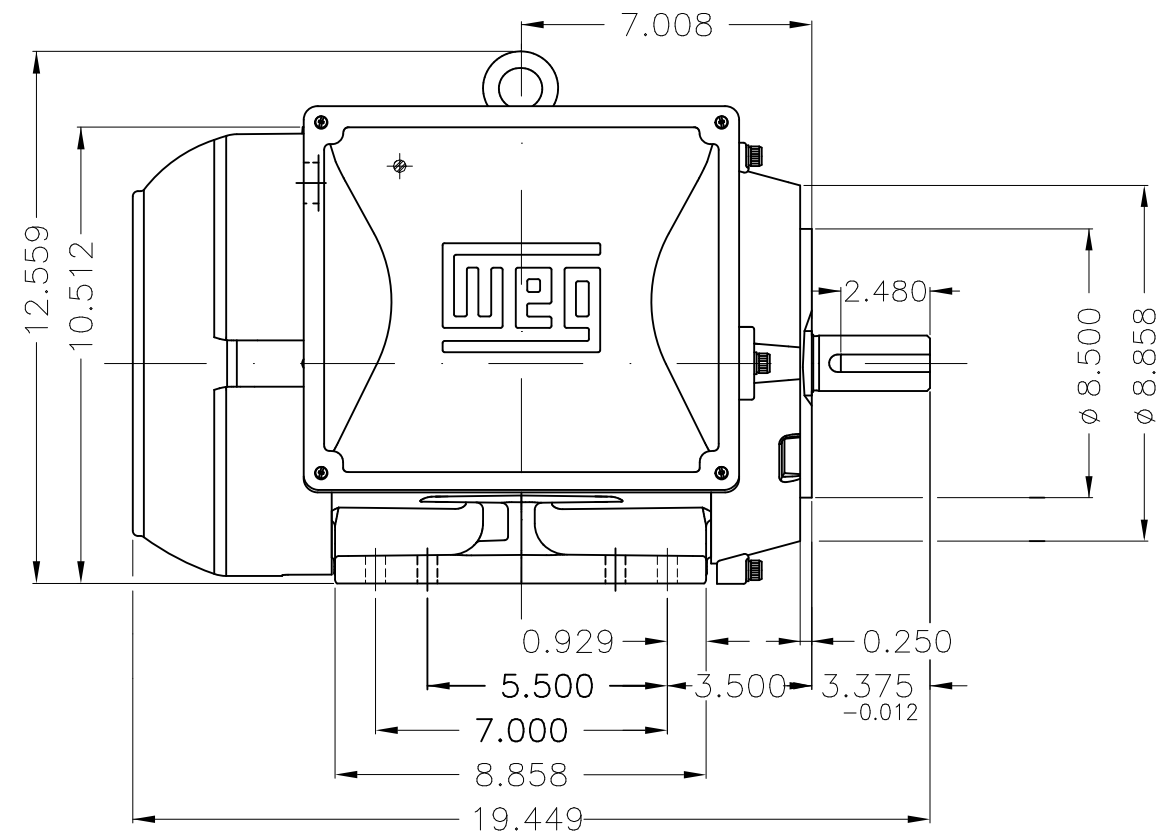
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Moment of inertia (J) : 0.0443 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K

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DE Shaft End



Mounting NEMA F-1									
Mounting B34R(D)									
				HYBRISUSER					00
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR W22 FRAME 213/5TC IP55 TEFC			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

2 HP 06 Poles 60 Hz

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	WMO
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Jaragua do Sul

Product Engineering

	SHEET
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Dimensions in inches

XME A3

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