DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 00022 Single-Phase	Product code :	14229634

Frame	: 182/4T	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.8 A	Protection degree	: IP55
L. R. Amperes	: 106 A	Cooling method	: IC411 - TEFC
LRC	: 7.7x(Code K)	Mounting	: F-1
No load current	: 6.70 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1745 rpm	Noise level[2]	: 60.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 1.25 kgfm	Approx. weight[3]	: 48.0 kg
Locked rotor torque	: 290 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0157 kgm²		

Output	50%	75%	100%
Efficiency (%)	65.0	74.0	77.0
Power Factor	0.79	0.87	0.90

Foundation loads

Max. traction	: 46 kgf
Max. compression	: 94 kgf

		Drive end	Non drive end
Bearing type	:	6207 2RS	6206 2RS
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

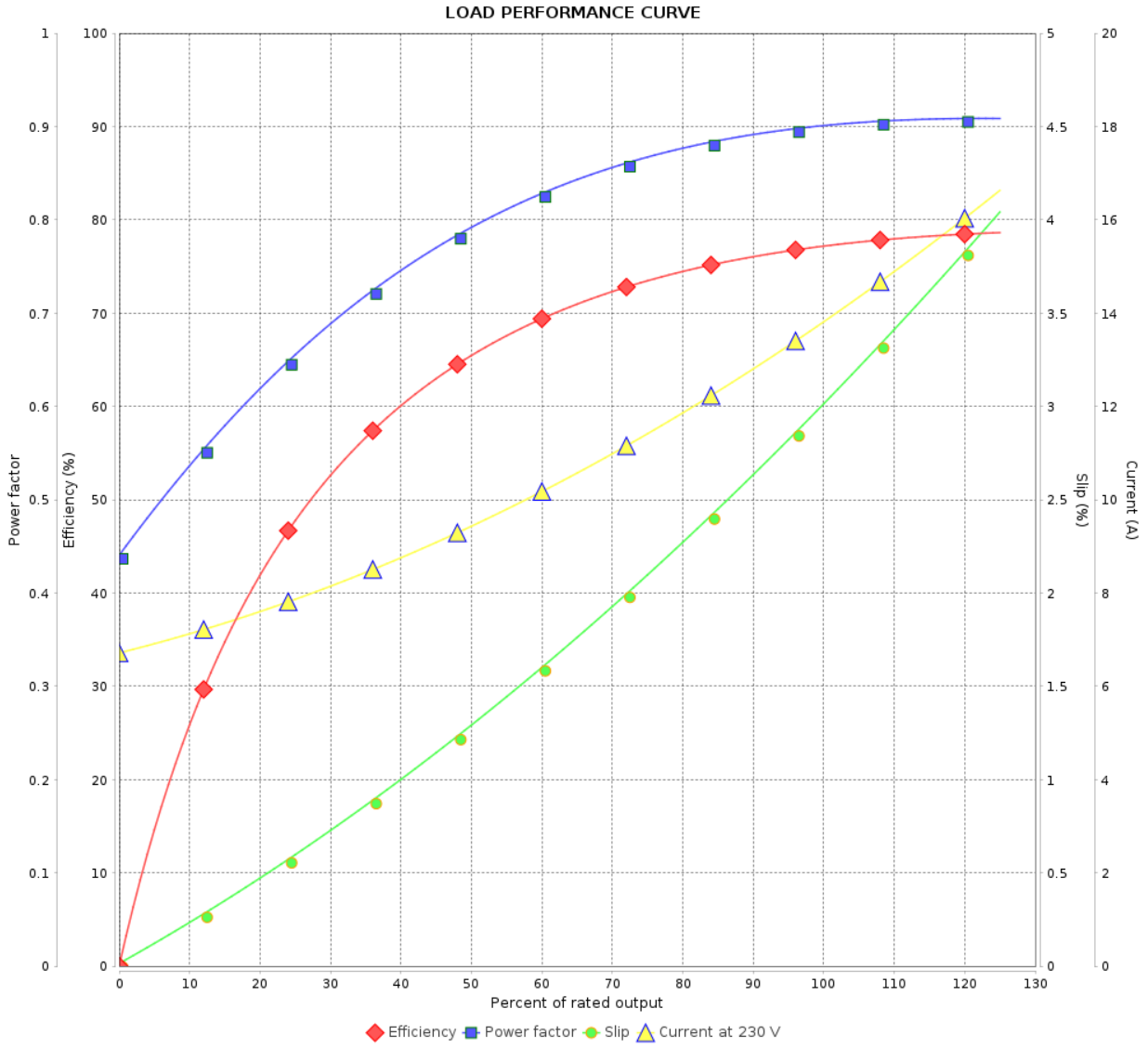
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Checked by			Page	Revision
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: W22 00022 Single-Phase	Product code :	14229634

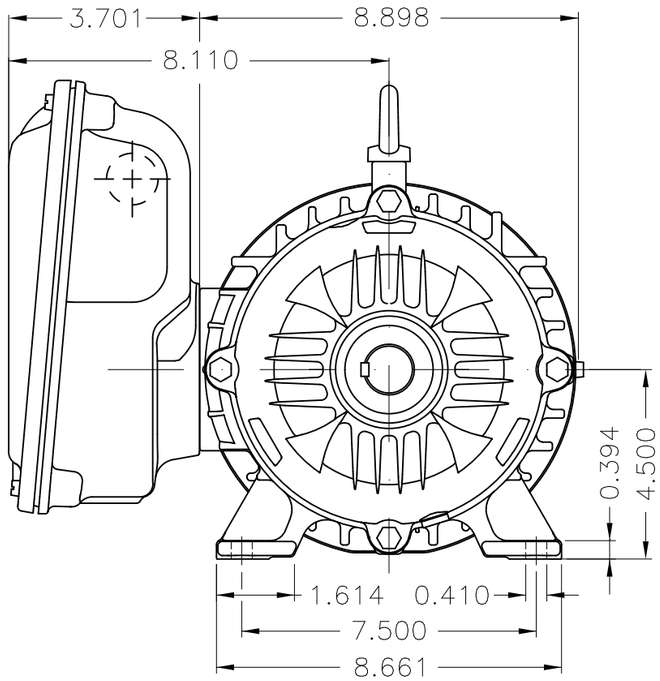


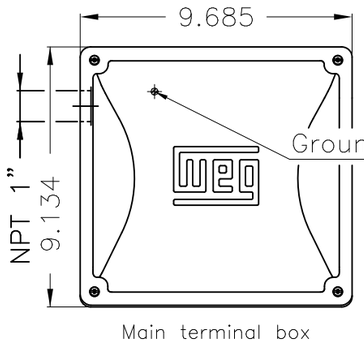
Performance	: 230 V 60 Hz 4P		
Rated current	: 13.8 A	Moment of inertia (J)	: 0.0157 kgm²
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 1.25 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1745 rpm		

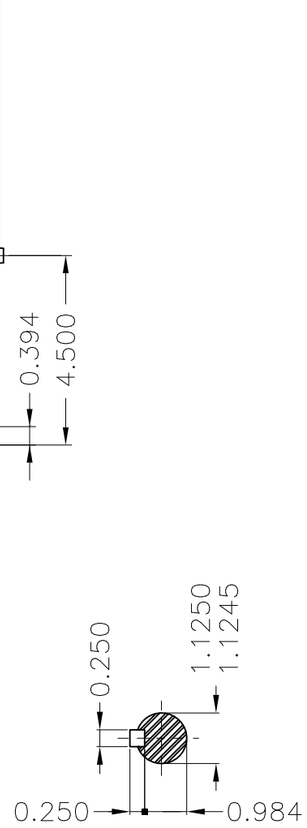
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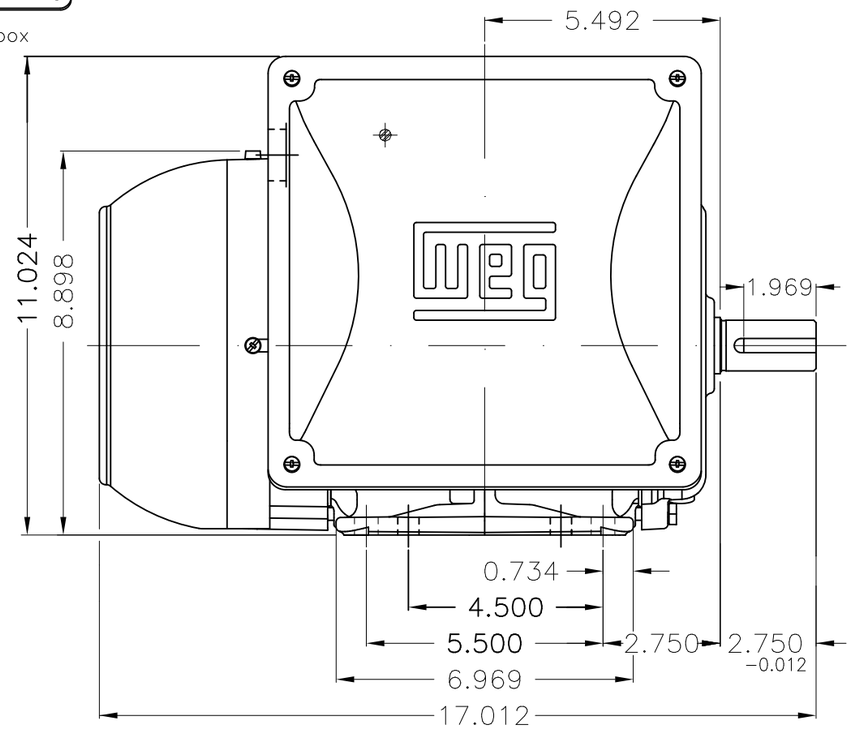
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Mounting NEMA F-1							
Mounting B3R(D)							
			HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	HYBRISUSER	SINGLE PH. MOTOR W22 FARM DUTY	PREVIEW	
CHECKED		FRAME 182/4T IP55 TEFC	WDD	00
RELEASED				
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1

3 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3

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