DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 14058208

Frame	: 182/4T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 115/230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 19.9/9.96 A	Protection degree	: IP55
	: 10.3x(Code N)	Cooling method	: IC411 - TEFC
Rated speed	: 1770 rpm	Mounting	: F-1
Rated torque	: 0.820 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 59.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0137 kgm²	Approx. weight[3]	: 37.9 kg

Output	25%	50%	75%	100%
Efficiency (%)	63.4	66.0	74.0	77.0
Power Factor	0.42	0.72	0.80	0.85

Foundation loads

Max. traction	: 48 kgf
Max. compression	: 86 kgf

		Drive end	Non drive end
Bearing type	:	6206 2RS	6205 2RS
Sealing	:	V'Ring	Without Bearing Seal
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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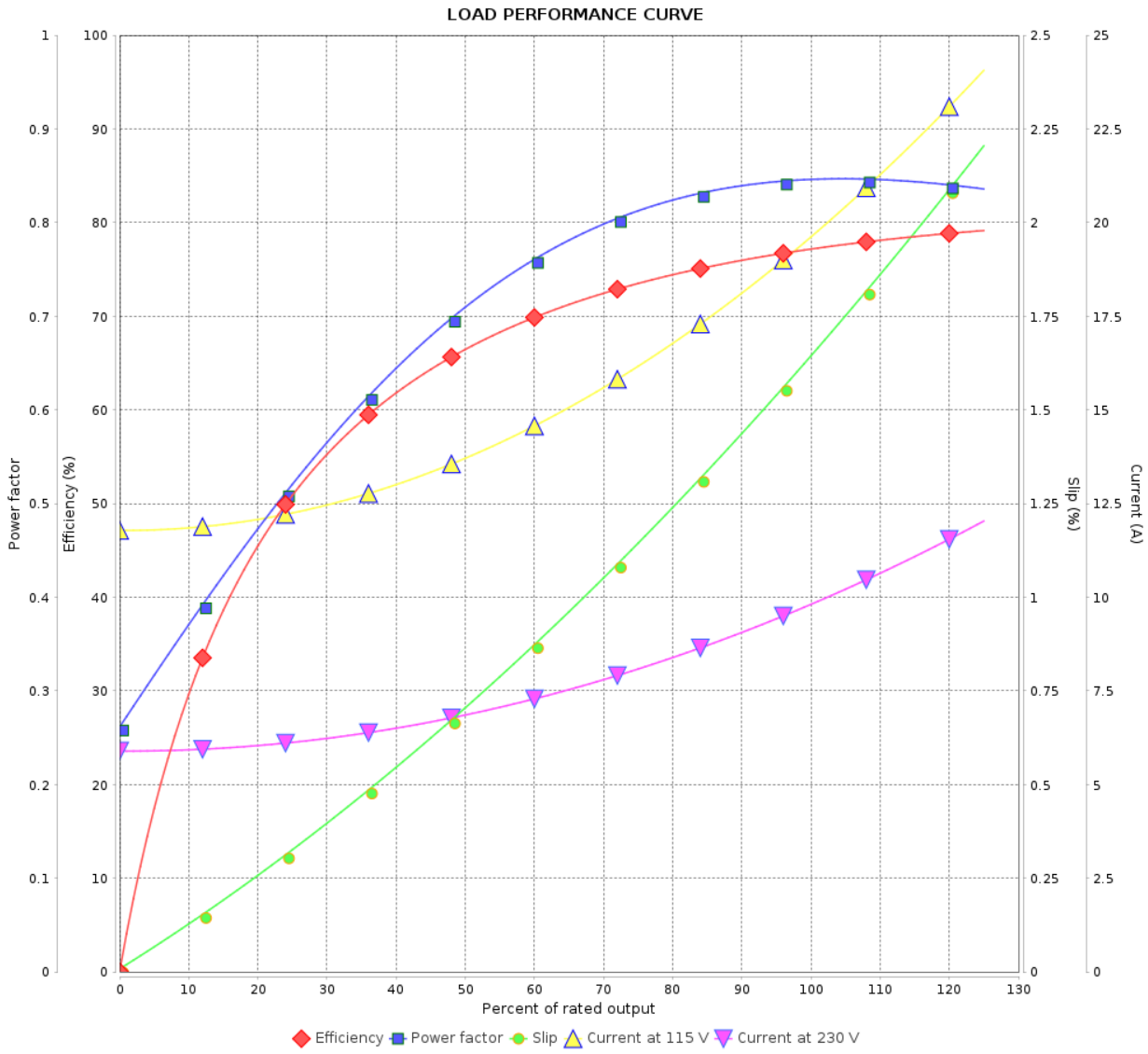
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

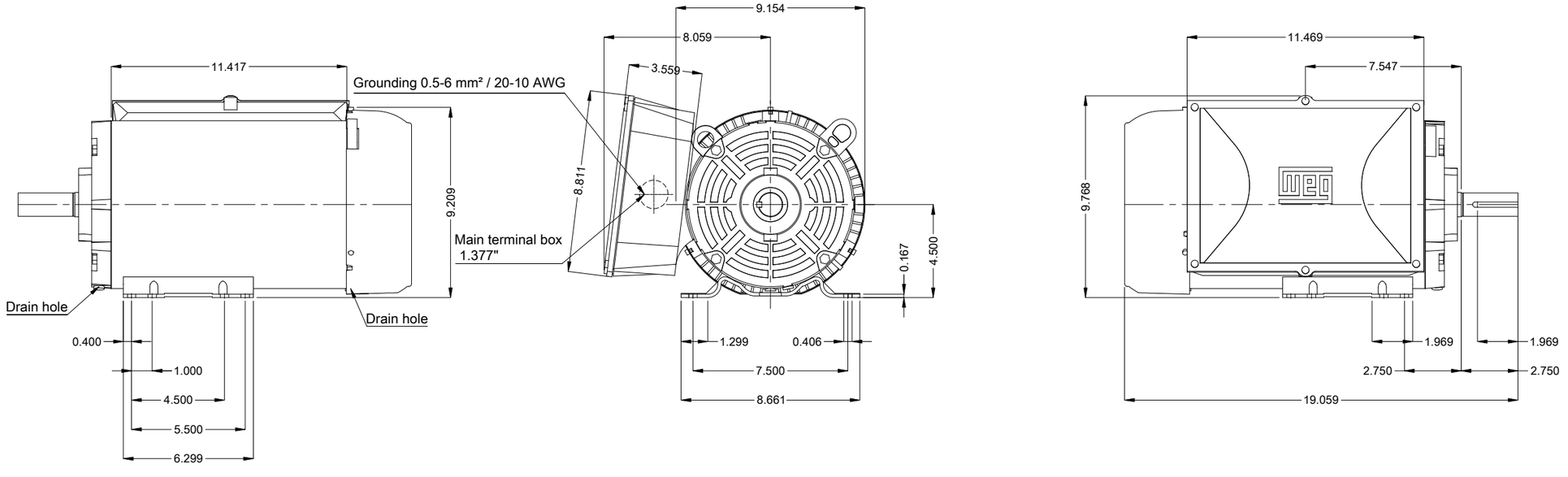
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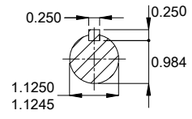
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DE Shaft End



Mounting MARKET F-1/B3R(D)

Mounting F-1/B3R(D)

2 HP 04 Poles 60 Hz

A

Scale 1 : 6

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL FARM DUTY

FRAME 182/4T IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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