DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 00022 Single-Phase Product code : 14790495

Frame	: 182/4TC	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]	: 49.9 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	: 45 kgf
Max. compression	: 95 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

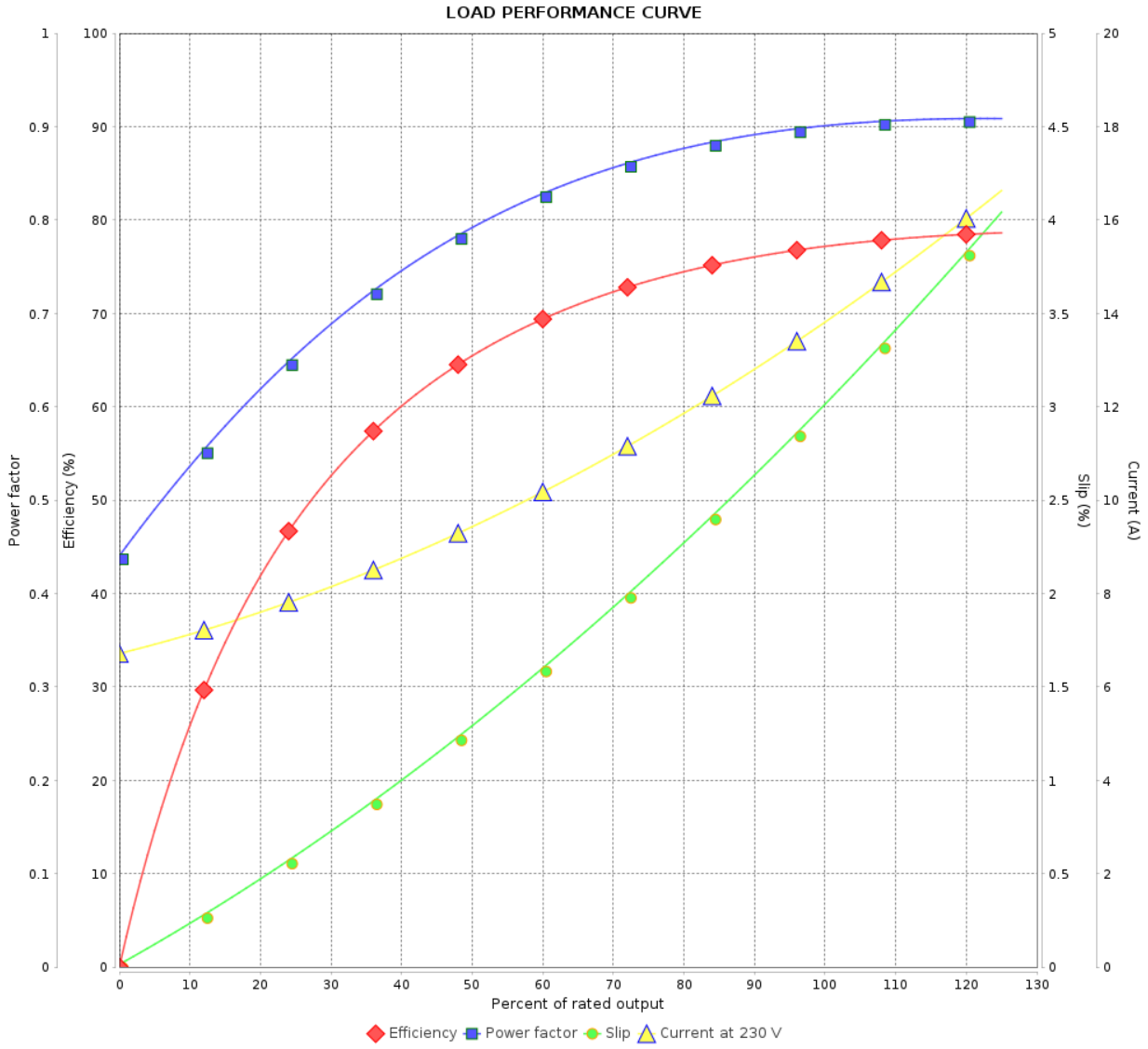
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: W22 00022 Single-Phase	Product code :	14790495



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		

Rev.	Changes Summary	Performed	Checked	Date

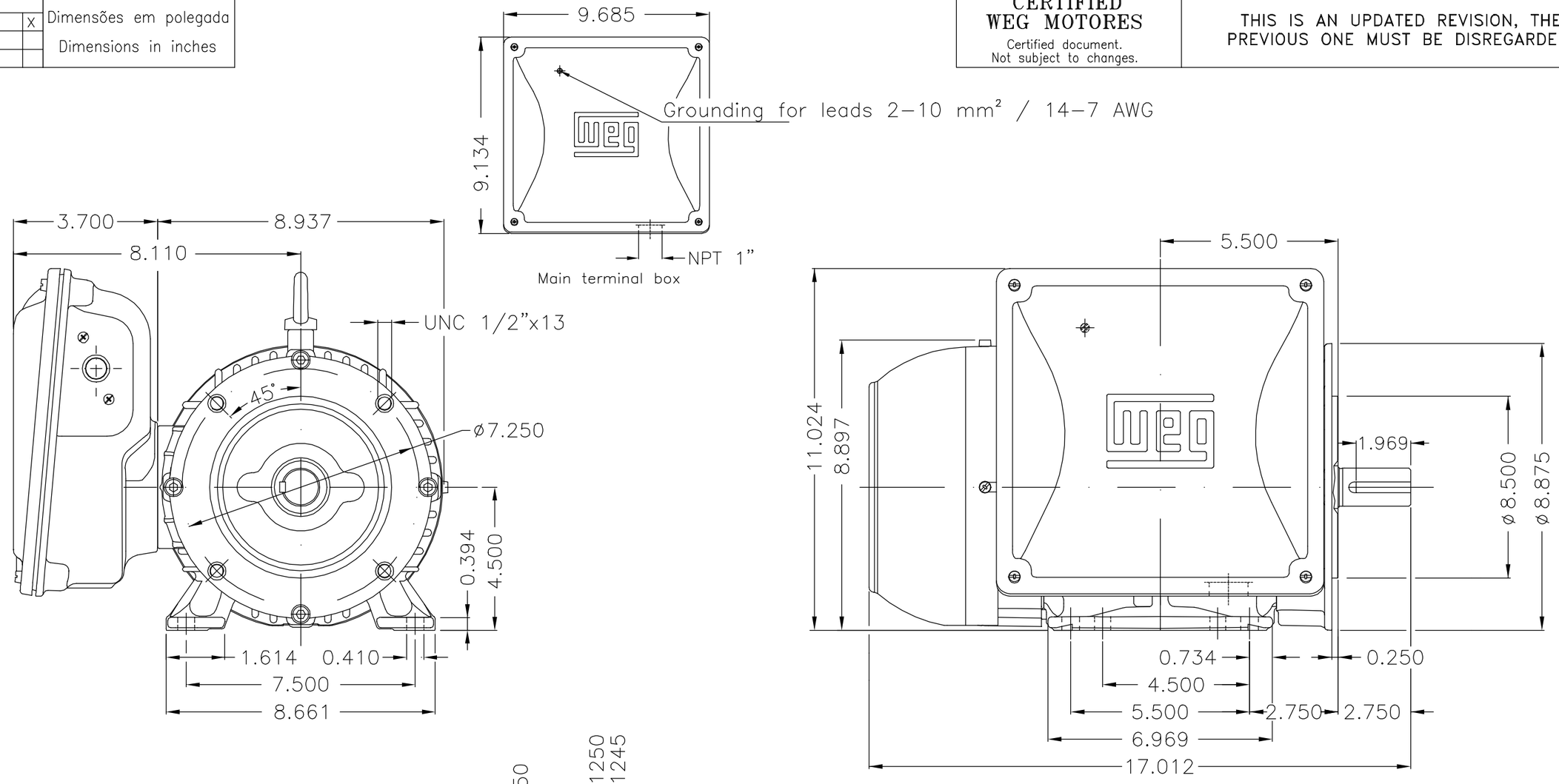
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EIXO/SHAFT		Dimensões em polegada Dimensions in inches
PADRÃO/STANDARD	X	
OPCIONAL/OPTIONAL		
ESPECIAL/SPECIAL		

CERTIFIED
WEG MOTORES
Certified document.
Not subject to changes.

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



Protetor térmico fenólico – manual / Phenolic thermal protector – manual

Saída dos cabos para baixo olhando para a ponta do eixo
Outlet leads directed to down when looking at shaft end

Forma construtiva NEMA F-1 / Mounting NEMA F-1

Forma construtiva B34D / Mounting B34R(D)

WEG EQUIPAMENTOS ELETRICOS S/A

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ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	SANDRESSA	SINGLE PHASE MOTOR W22 FARM DUTY NEMA	10006401413	
CHECKED	EMERSONRH	FRAME 182/4TC IP55 TEFC	000	00
RELEASED	EMERSONRH			
REL DT	22.02.2019	WMO Jaragua do Sul Product Engineering	SHEET	01 / 01

3 HP 04 Poles 60Hz 415367116 A

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