DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 Single-Phase	Product code :	18970856

Frame	: 213/5T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 33.0-31.7 A	Protection degree	: IP55
	: 7.7x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 1750 rpm	Mounting	: F-1
Rated torque	: 3.11 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 63.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0457 kgm²	Approx. weight[3]	: 81.5 kg

Output	50%	75%	100%
Efficiency (%)	75.6	81.0	83.0
Power Factor	0.82	0.88	0.91

Foundation loads

Max. traction	: 109 kgf
Max. compression	: 190 kgf

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	00088	

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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Date	29/05/2026		1 / 2	

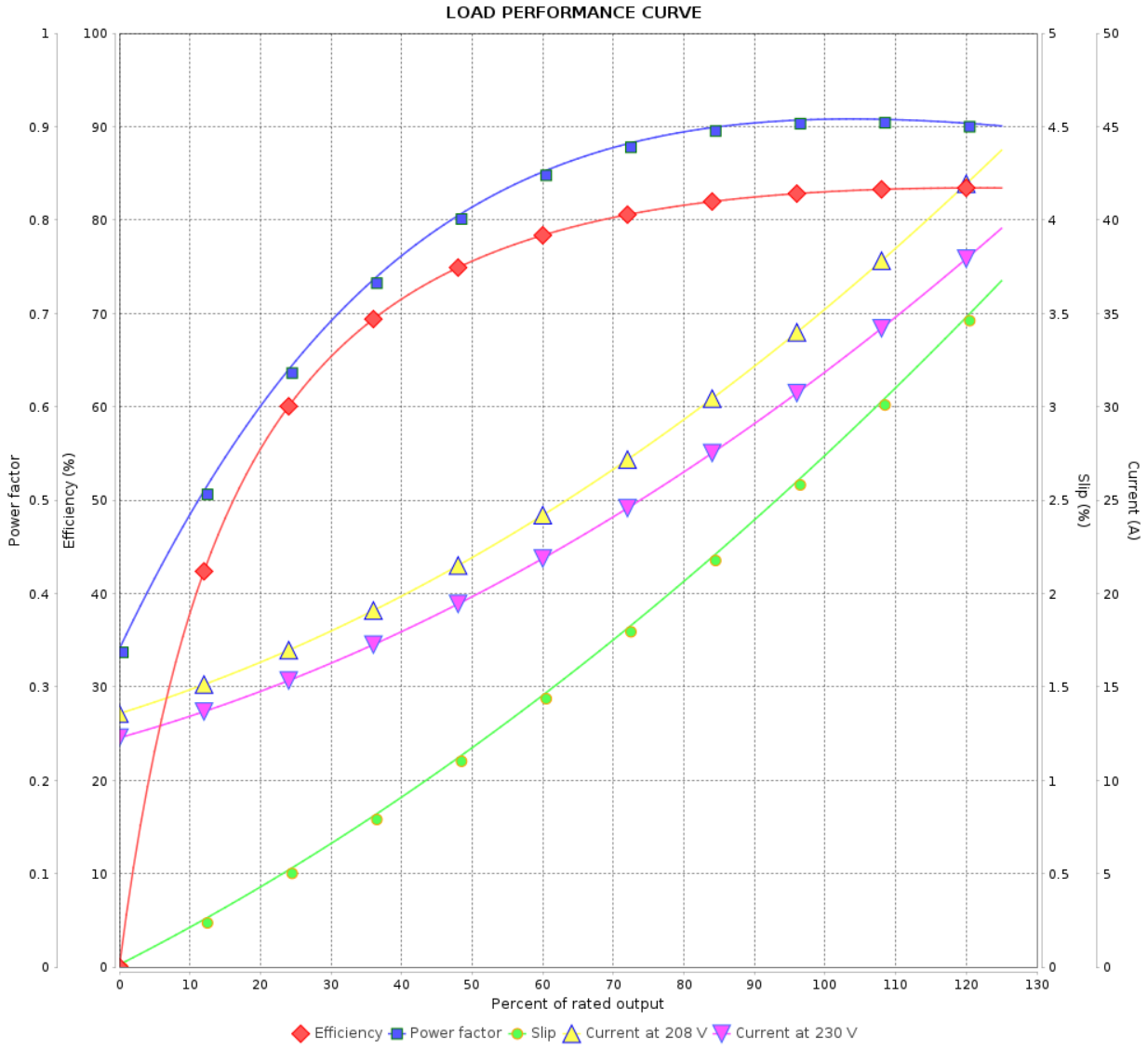
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

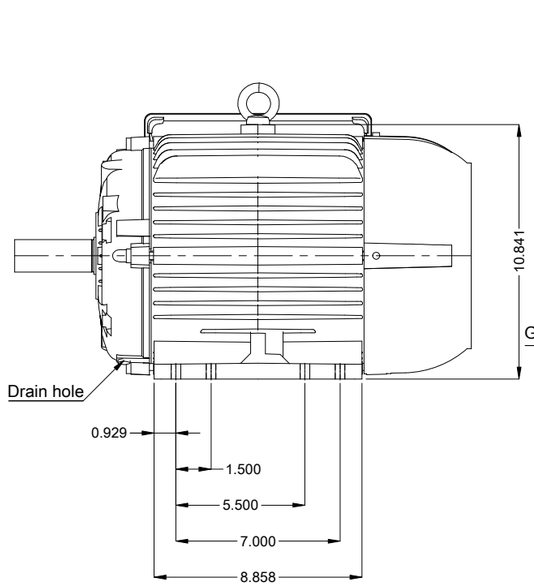
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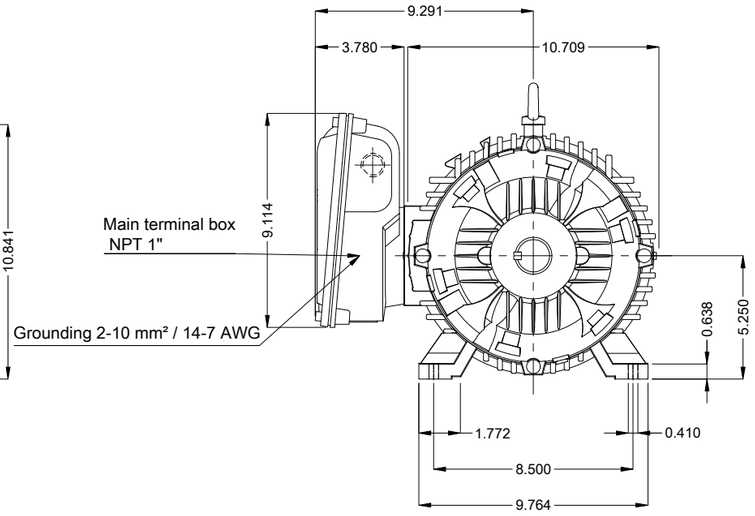


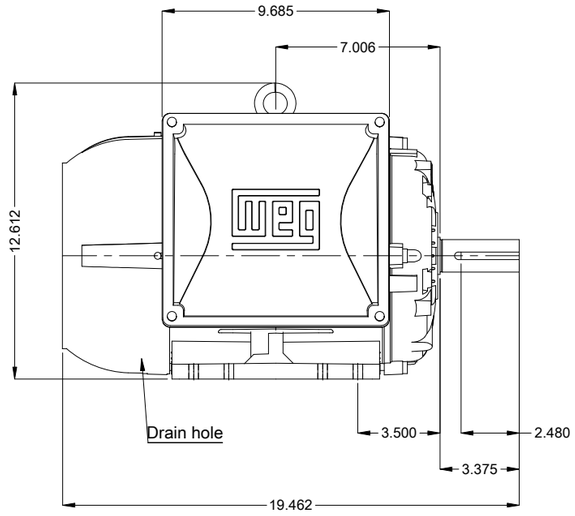
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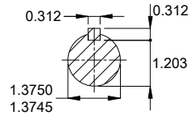




Mounting NEMA F-1

Mounting B3R(D)

DE Shaft End



7.5 HP 04 Poles 60 Hz

A

Scale 2 : 13

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR W22
FRAME 213/5T IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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