

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase Product code : 17254454

Frame	: 56C	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 115/208-230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 9.38/4.88-4.69 A	Protection degree	: IP55
	: 7.8x(Code K)	Cooling method	: IC411 - TEFC
Rated speed	: 1750 rpm	Mounting	: F-1
Rated torque	: 0.415 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 54.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0057 kgm ²	Approx. weight ³	: 18.7 kg
Design	: L		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	75.5	80.0	80.0	Max. traction : 24 kgf
Power Factor	0.79	0.84	0.87	Max. compression : 42 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6202 ZZ
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
Performed by		Page Revision 1 / 2		
Checked by				
Date	29/05/2026			

LOAD PERFORMANCE CURVE

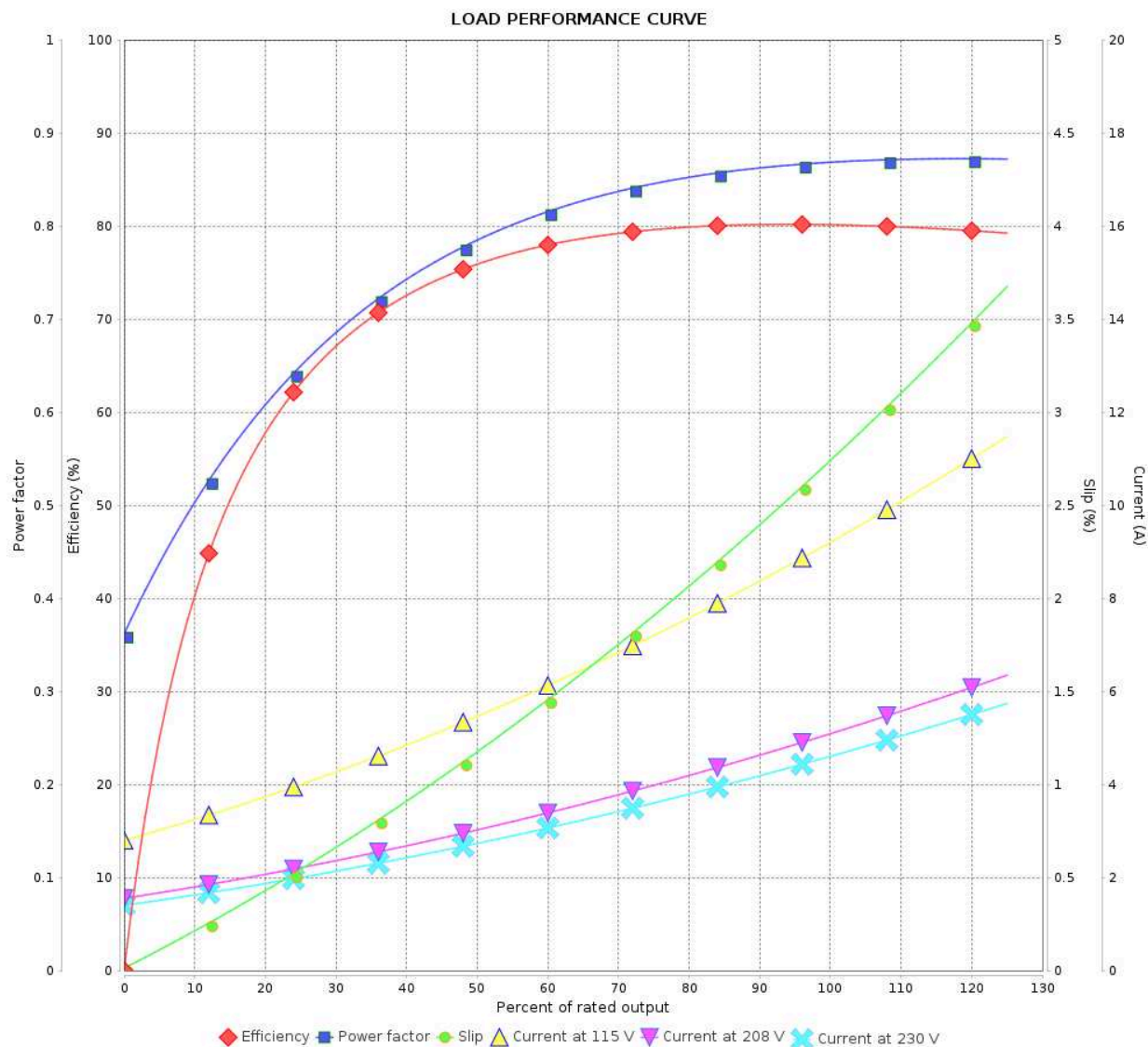
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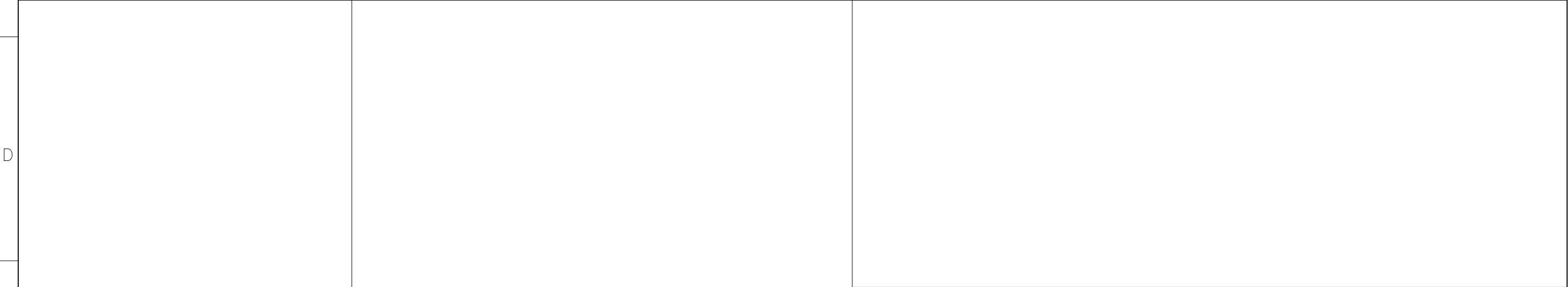
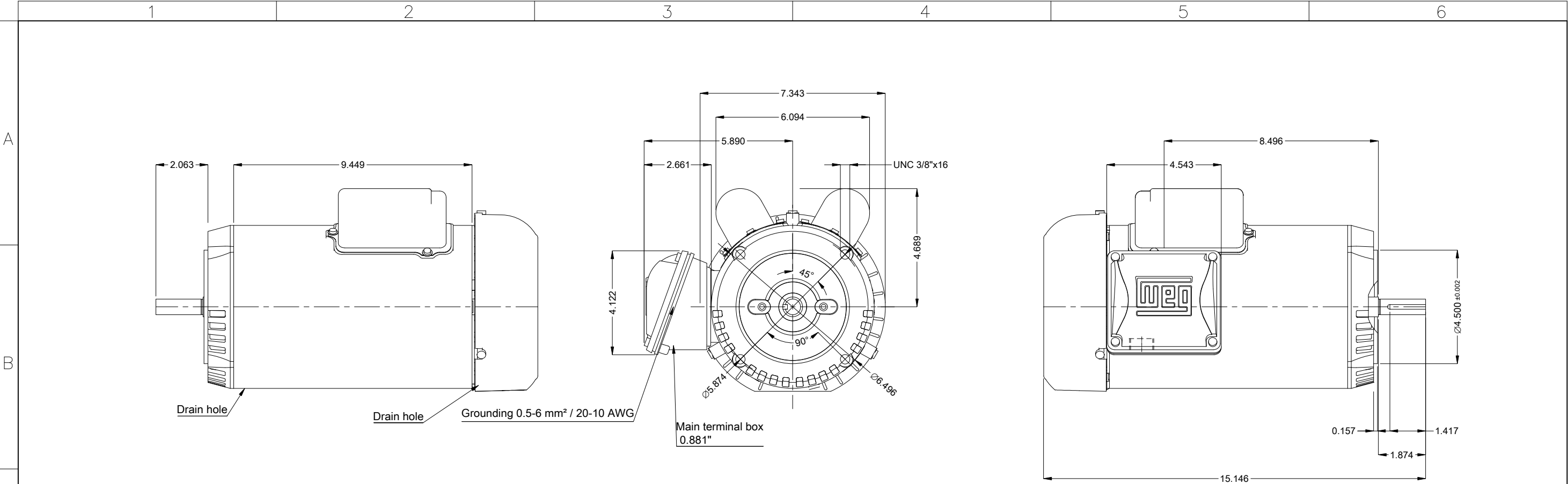
Customer :

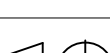
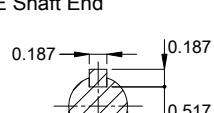
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E				1 HP 04 Poles 60 Hz										A			
							Scale 1 : 4										
							HYBRISUSER						00				
	ECM		LOC		SUMMARY OF MODIFICATIONS				EXECUTED		CHECKED		RELEASED		DATE		VER
	EXECUTED		HYBRISUSER				SINGLE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56C IP55 TEFC				PREVIEW WDD 00						
	CHECKED																
	RELEASED																
	REL. DATE																
									SHEET 1 / 1								
Fan cover - steel plate																	
Color Munsell N 1 matte black																	
Painting plan 207N																	
Mounting MARKET F-1/B14R(D)																	
Mounting F-1/B14R(D)																	