

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Three-Phase Product code : 10290133

Frame	: B56C	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 0.680 A	Protection degree	: IP55
L. R. Amperes	: 5.44 A	Cooling method	: IC411 - TEFC
LRC	: 8.0x(Code M)	Mounting	: F-1
No load current	: 0.400 A	Rotation ¹	: CCW
Rated speed	: 3470 rpm	Starting method	: Direct On Line
Slip	: 3.61 %	Approx. weight ³	: 10.4 kg
Rated torque	: 0.105 kgfm		
Locked rotor torque	: 430 %		
Breakdown torque	: 440 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0013 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	57.5	66.0	70.0	Max. traction	: 9 kgf
Power Factor	0.64	0.74	0.80	Max. compression	: 20 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 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.

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Date	24/10/2024			
		Revision		

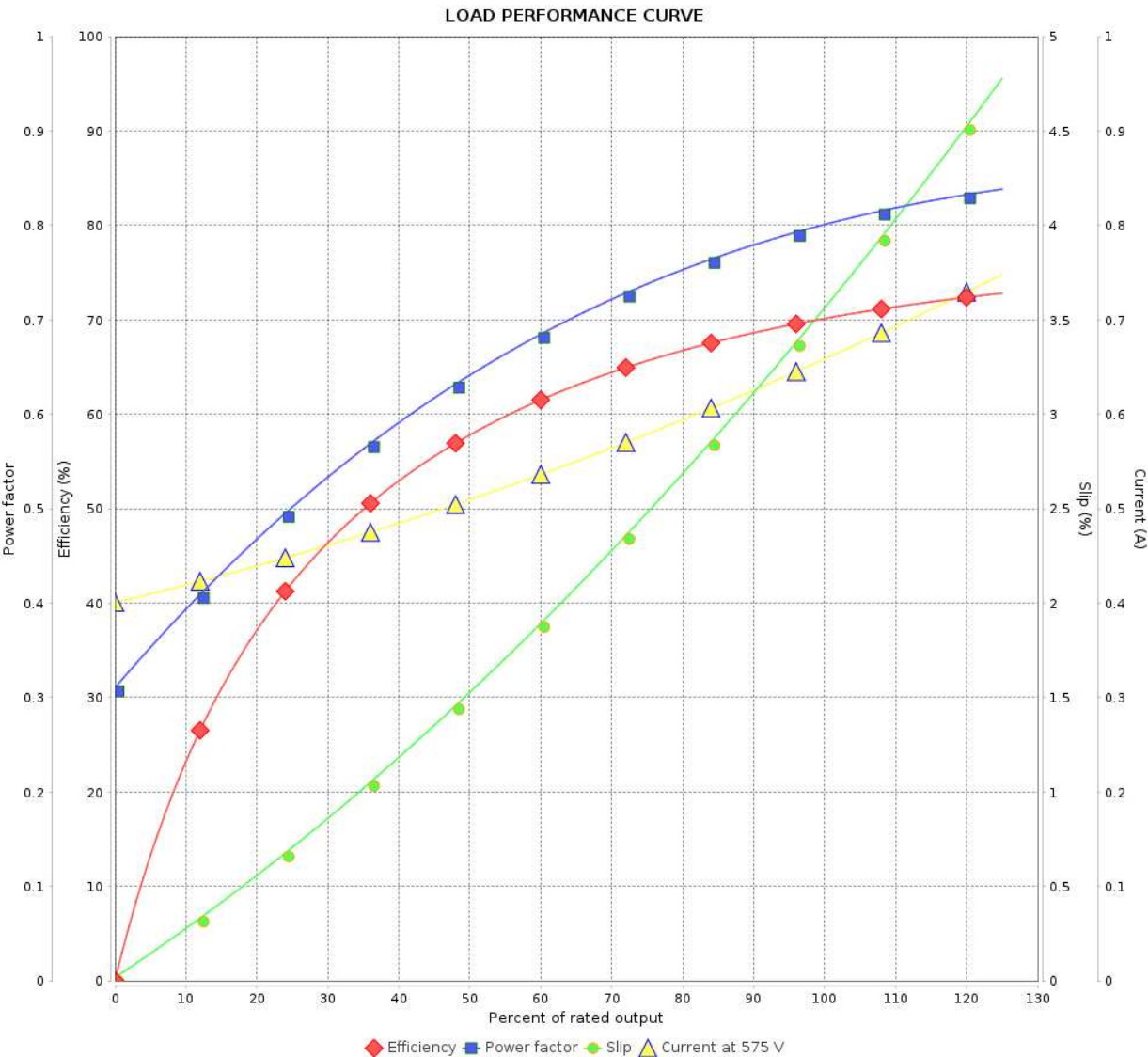
LOAD PERFORMANCE CURVE

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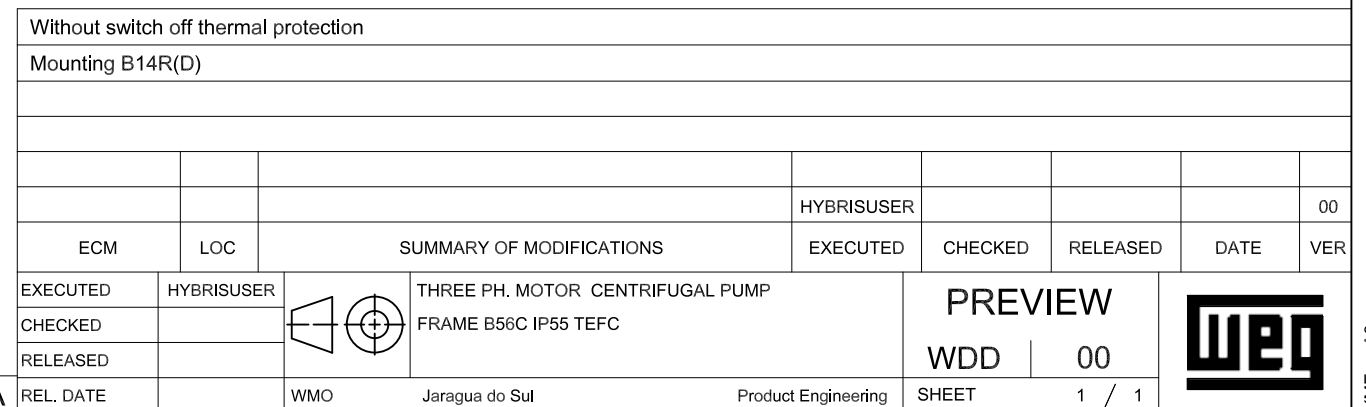
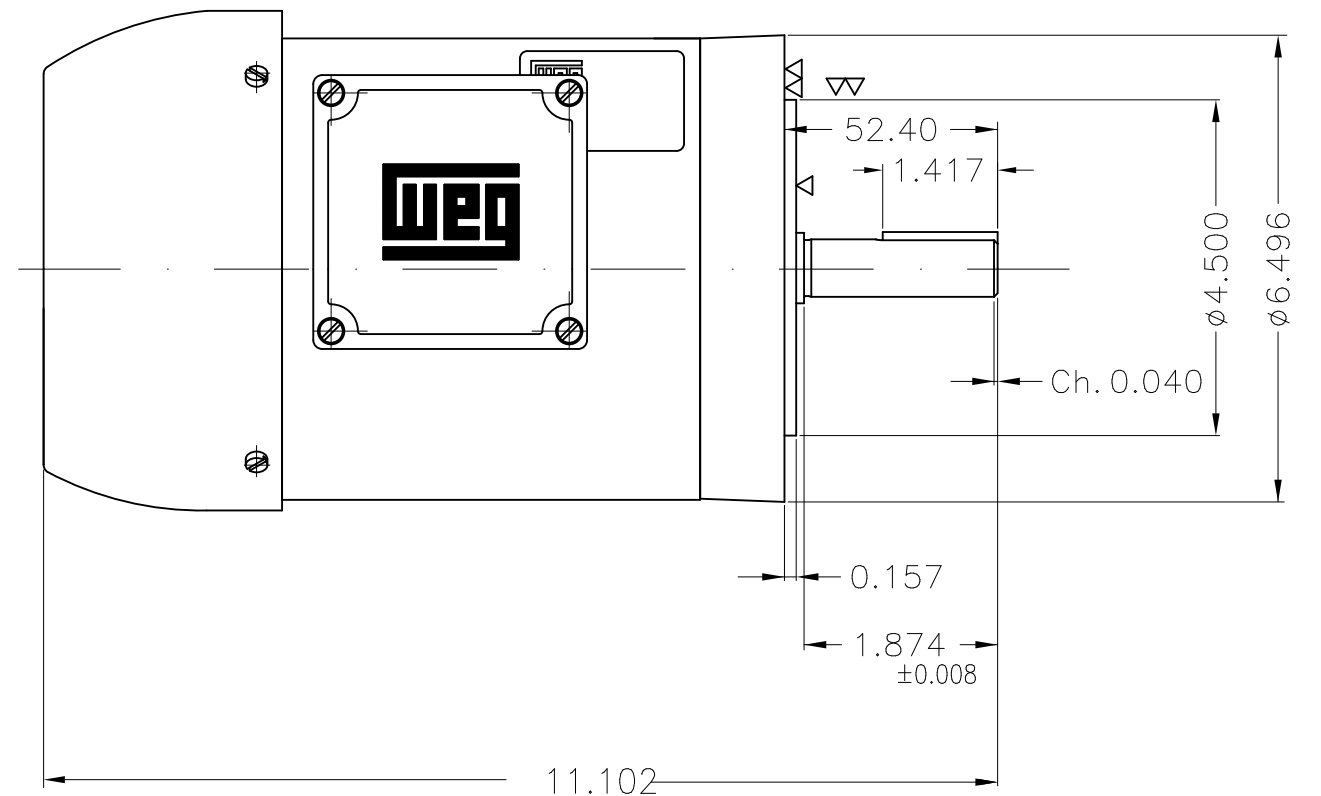


Performance : 575 V 60 Hz 2P

Rated current : 0.680 A
LRC : 8.0
Rated torque : 0.105 kgfm
Locked rotor torque : 430 %
Breakdown torque : 440 %
Rated speed : 3470 rpm

Moment of inertia (J) : 0.0013 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

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