

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase Product code : 11084484

Frame	: 213/5JM	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 10 HP (7.5 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	: 9.52 A	Protection degree	: IP21
L. R. Amperes	: 68.5 A	Cooling method	: IC01 - ODP
LRC	: 7.2x(Code H)	Mounting	: F-1
No load current	: 2.80 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3540 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 2.05 kgfm	Approx. weight ³	: 58.1 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0206 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	89.5	90.2	90.2	Max. traction	: 88 kgf
Power Factor	0.73	0.83	0.88	Max. compression	: 146 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6209 ZZ	6206 ZZ
Sealing	:	Without Bearing Seal	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				
Checked by			Page	Revision
Date	23/10/2024		1 / 2	

LOAD PERFORMANCE CURVE

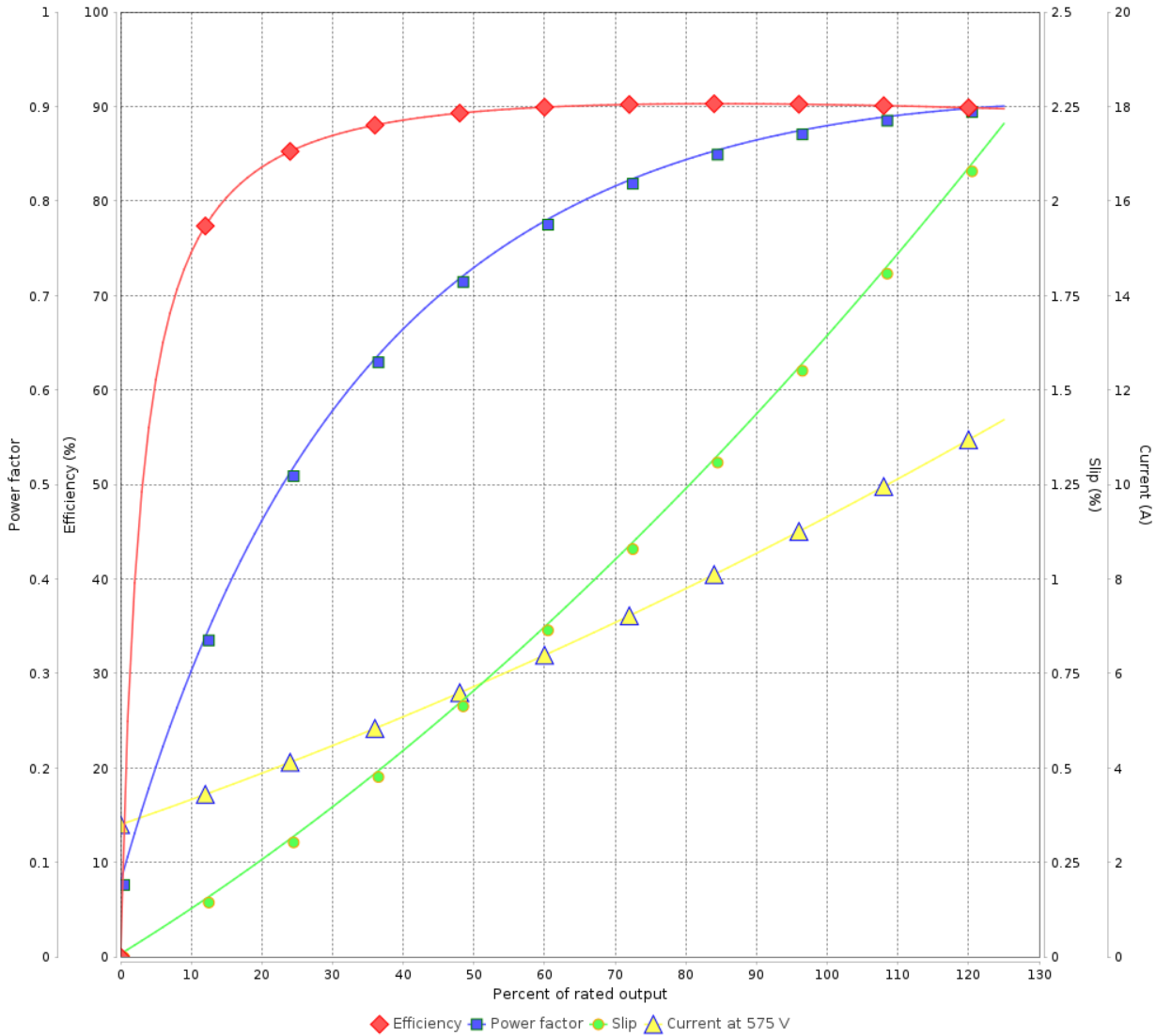
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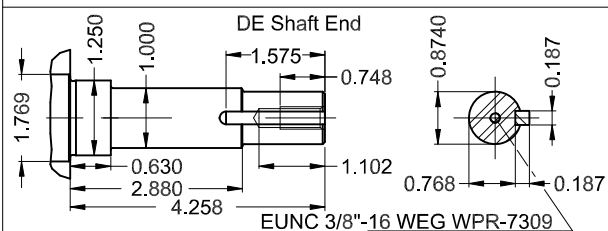
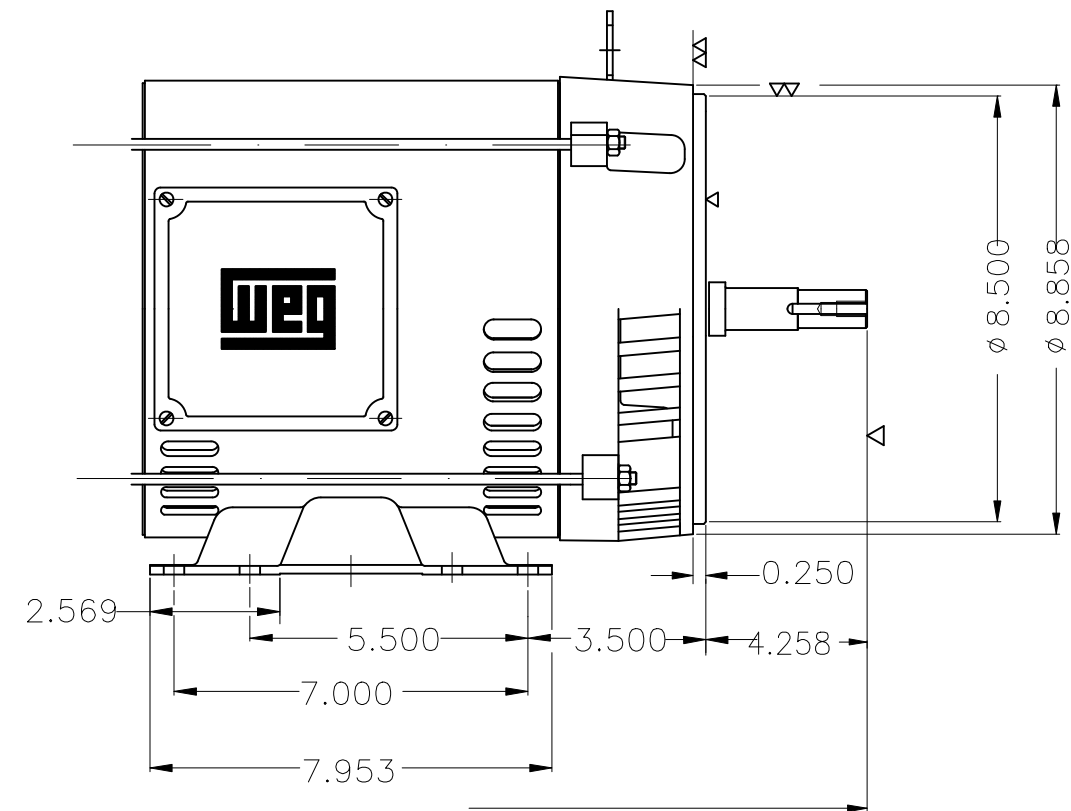
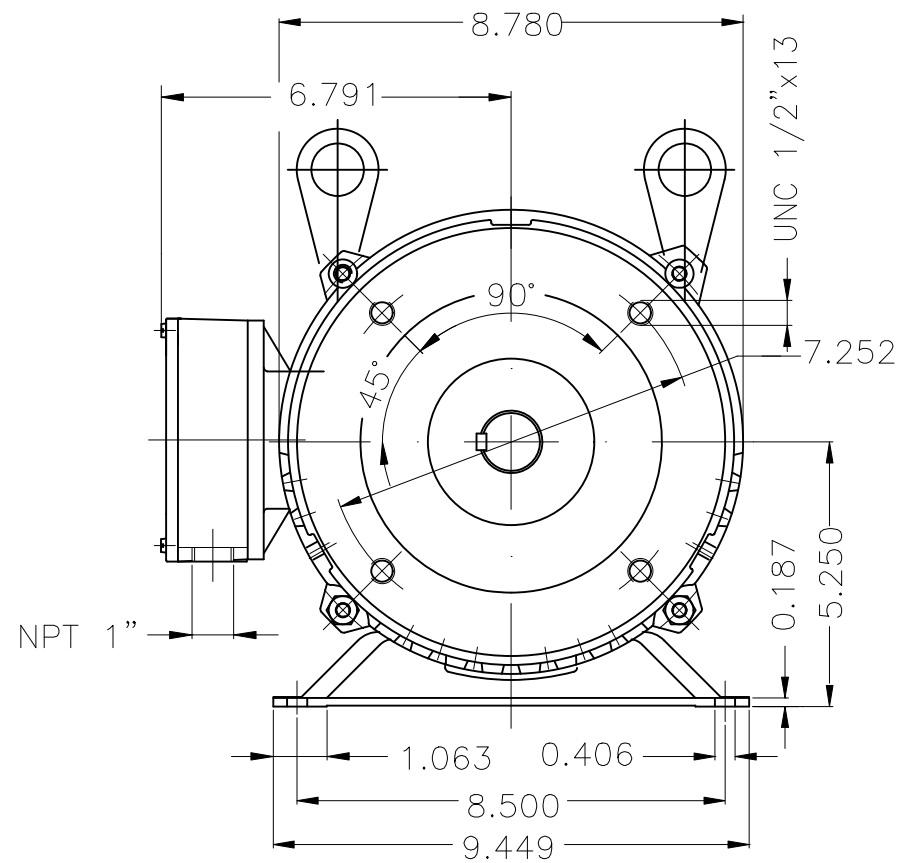
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Performance : 575 V 60 Hz 2P

Rated current	: 9.52 A	Moment of inertia (J)	: 0.0206 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 2.05 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 3540 rpm	Design	: B

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Without switch off thermal protection
 Color RAL 5009
 Painting plan 207A
 Mounting B34D

10 HP 02 Poles 60 Hz

A

ECM	LOC		THREE PH. MOTOR JM/JP/JET PUMP NEMA PREM. EFF.	PREVIEW		
EXECUTED	HYBRISUSER		FRAME 213/5JM IP21 ODP	WDD	00	
CHECKED				SHEET	1 / 1	
RELEASED						
REL. DATE			WMO Jaragua do Sul	Product Engineering		
			HYBRISUSER			00