

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump High Efficiency Three-Phase Product code : 17699809

Frame	: 284/6JP	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 416 V	Altitude	: 1000 m.a.s.l.
Rated current	: 53.4 A	Protection degree	: IP23
L. R. Amperes	: 320 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: W-6
No load current	: 17.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3535 rpm	Noise level ²	: 73.0 dB(A)
Slip	: 1.81 %	Starting method	: Direct On Line
Rated torque	: 8.21 kgfm	Approx. weight ³	: 147 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0746 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	91.7	91.7	91.7	Max. traction	: 0 kgf
Power Factor	0.00	0.74	0.82	0.85	Max. compression	: 0 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6311 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	4500 h	4500 h
Lubricant amount	:	18 g	11 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W40 High Efficiency
UL Fire Pump

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	14/07/2026			

LOAD PERFORMANCE CURVE

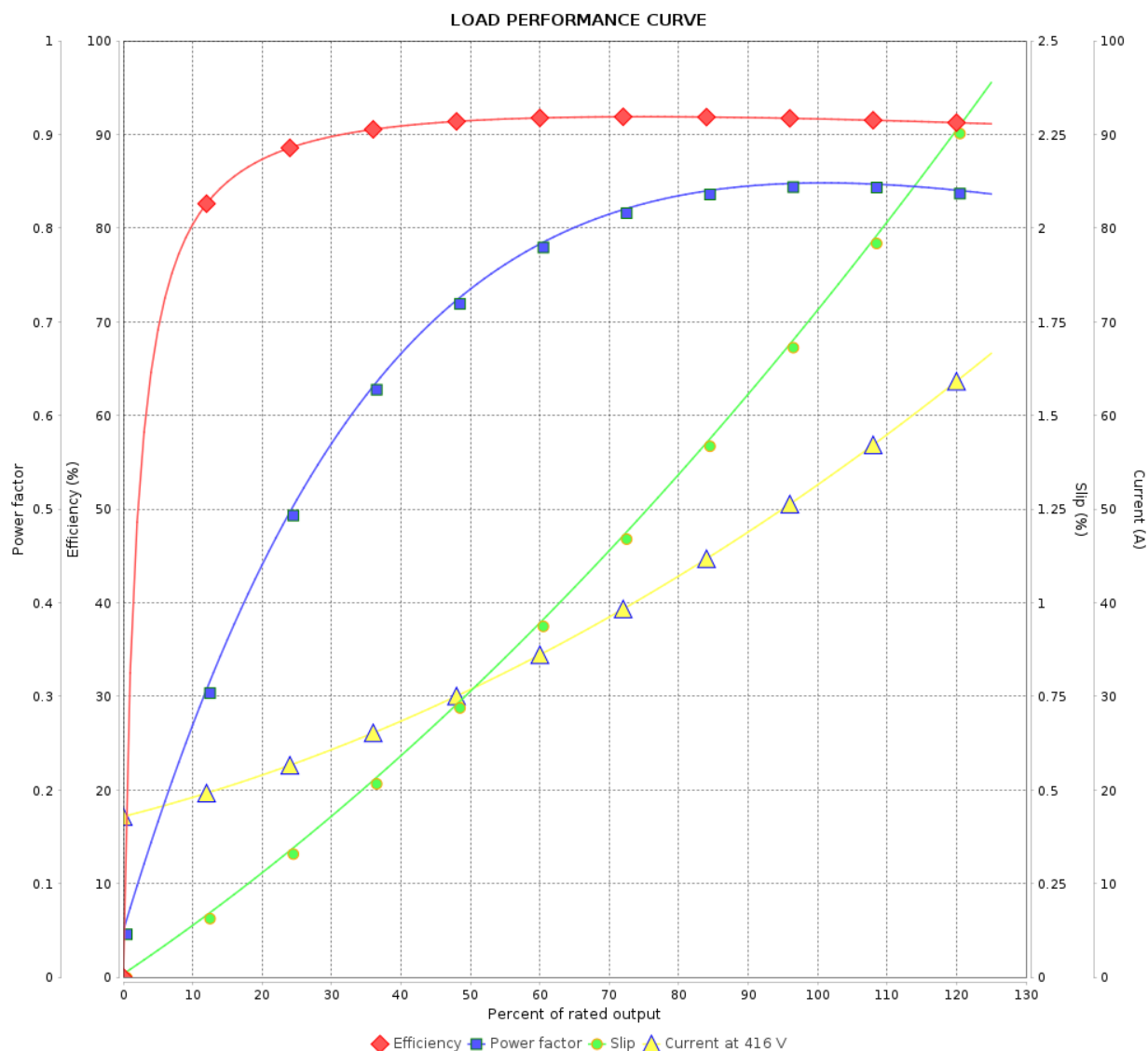
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Three-Phase

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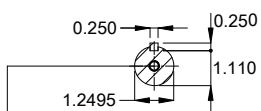
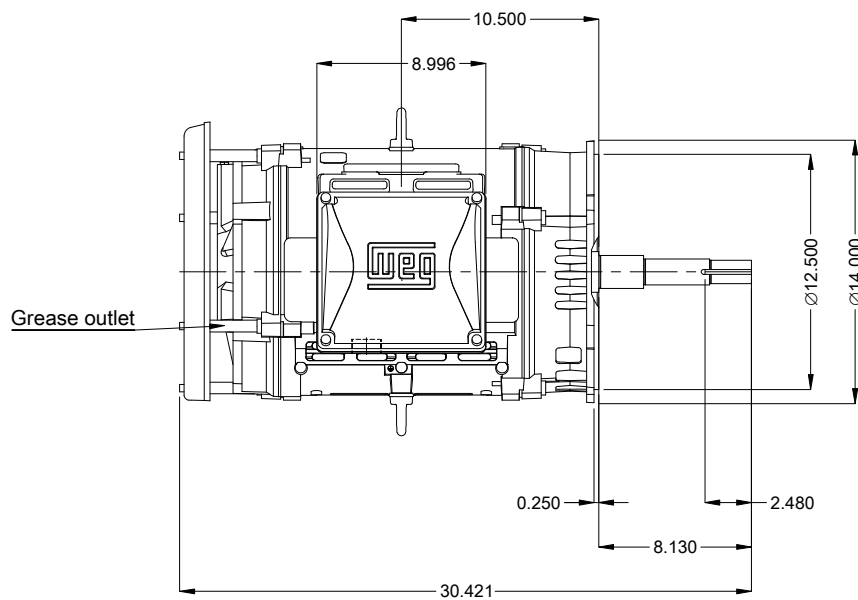


Performance : 416 V 60 Hz 2P

Rated current : 53.4 A
LRC : 6.0
Rated torque : 8.21 kgfm
Locked rotor torque : 210 %
Breakdown torque : 200 %
Rated speed : 3535 rpm

Moment of inertia (J) : 0.0746 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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With drip cover
Color RAL 3002
Painting plan 203A
Mounting NEMA W-6
Mounting V18