

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

	Drive end	Non drive end
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	14/07/2026			

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Revision

LOAD PERFORMANCE CURVE

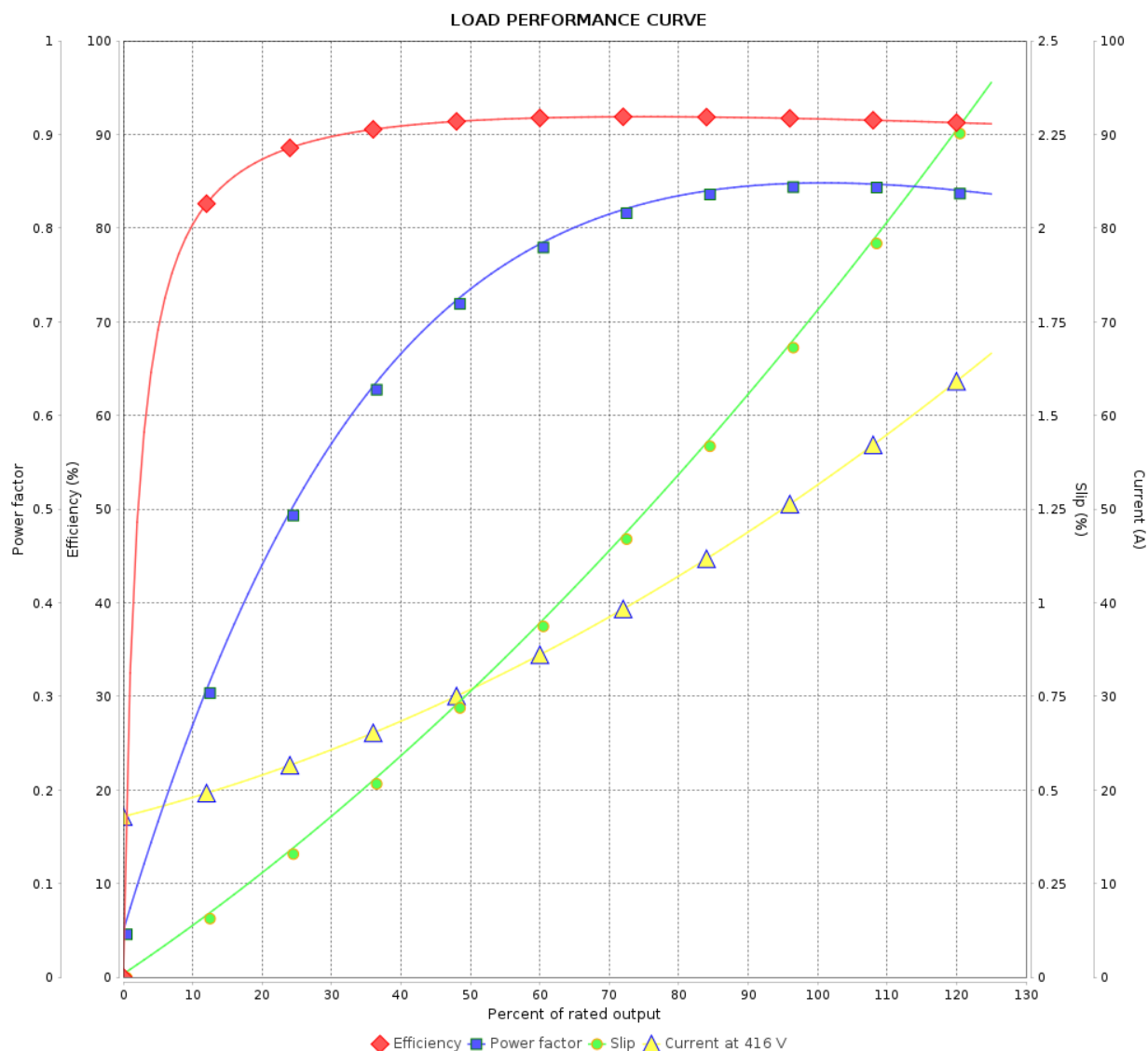
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Three-Phase

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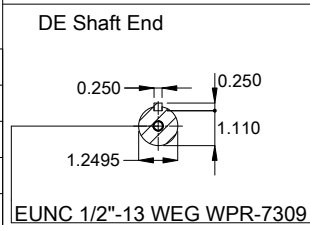
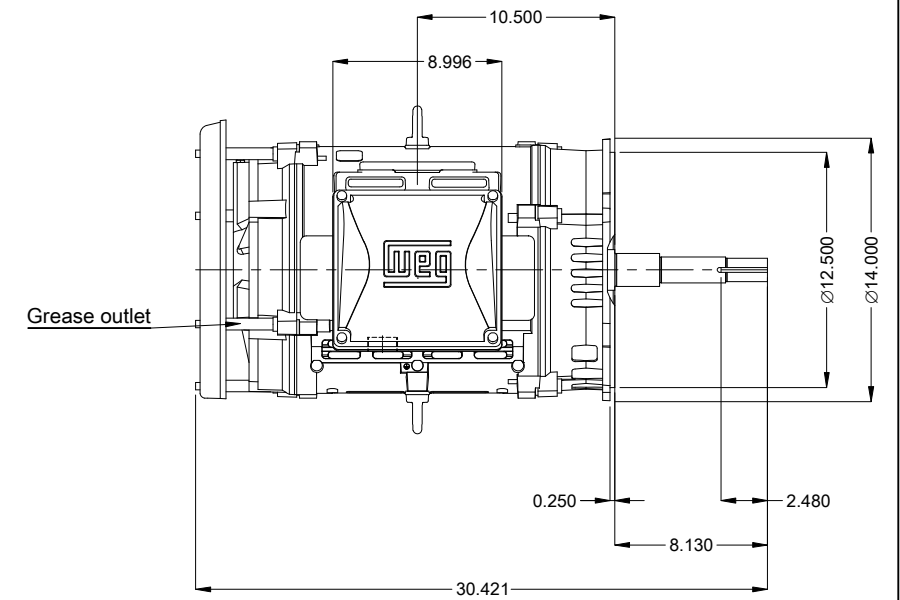


Performance : 416 V 60 Hz 2P

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
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Date					



40 HP 02 Poles 60 Hz										A
						Scale				1 : 10
						HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR W40 PUMP JP HIGH EFF. FRAME 284/6JP IP23 ODP				PREVIEW WDD 00			
CHECKED										
RELEASED										
REL. DATE										
						SHEET		1 / 1		