

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium Efficiency Three-Phase Product code : 15860068

Frame	: 284/6JP	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 14.7 A	Protection degree	: IP23
L. R. Amperes	: 92.7 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 6.24 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1180 rpm	Noise level ²	: 59.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 9.23 kgfm	Approx. weight ³	: 155 kg
Locked rotor torque	: 260 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.2025 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	91.0	91.7	91.7	Max. traction
Power Factor	0.67	0.77	0.82	Max. compression

	Drive end	Non drive end
Bearing type	: 6311 Z C3	6211 Z C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 18 g	11 g
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	30/10/2024			

LOAD PERFORMANCE CURVE

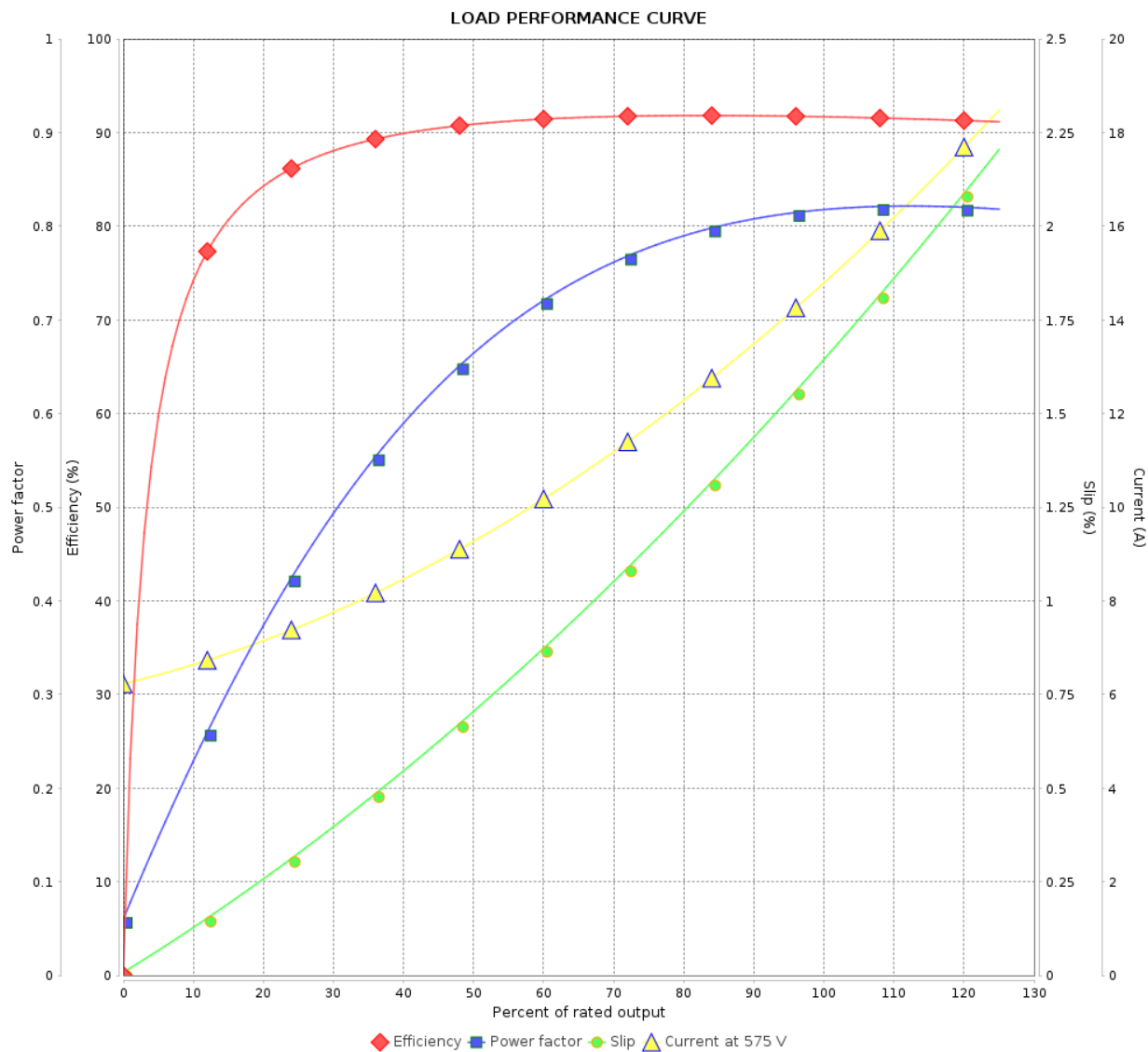
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium
Efficiency Three-Phase

Product code : 15860068

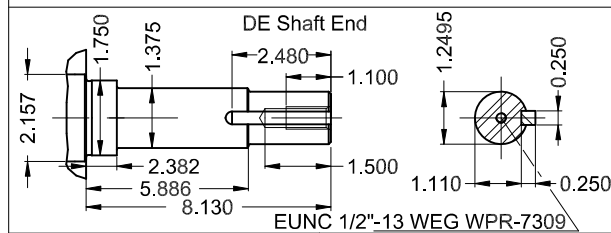
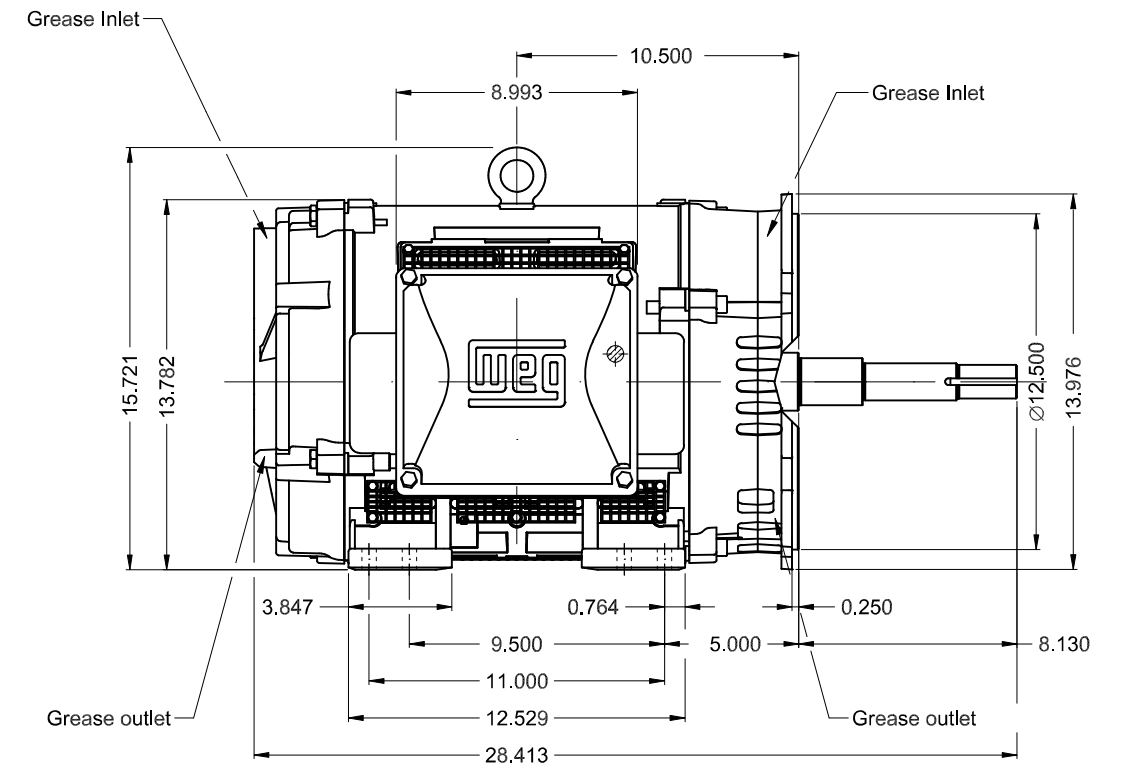
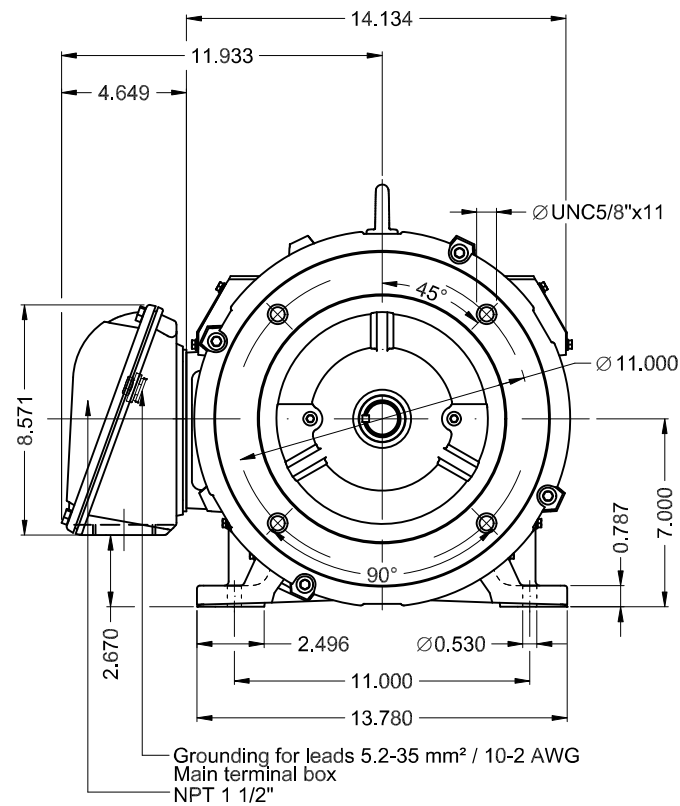


Performance : 575 V 60 Hz 6P

Rated current : 14.7 A
LRC : 6.3
Rated torque : 9.23 kgfm
Locked rotor torque : 260 %
Breakdown torque : 260 %
Rated speed : 1180 rpm

Moment of inertia (J) : 0.2025 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2 Revision		
Checked by				
Date	30/10/2024			



15 HP 06 Poles 60 Hz										A	
								1:7			
							HYBRISUSER				
										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR W40 PUMP JP NEMA PREM. EFF. FRAME 284/6JP IP23 ODP					PREVIEW WDD 00			
CHECKED											
RELEASED											
REL. DATE		WMO	Jaragua do Sul			Product Engineering	SHEET	1 / 1			