

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump High Efficiency Three-Phase Product code : 17210038

Frame	: 284/6JP	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 23.8 A	Protection degree	: IP23
L. R. Amperes	: 143 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: W-6
No load current	: 7.52 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight ³	: 150 kg
Rated torque	: 10.3 kgfm		
Locked rotor torque	: 200 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1213 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	91.7	Max. traction	: 0 kgf
Power Factor	0.74	0.80	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	:	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	14/07/2026			

LOAD PERFORMANCE CURVE

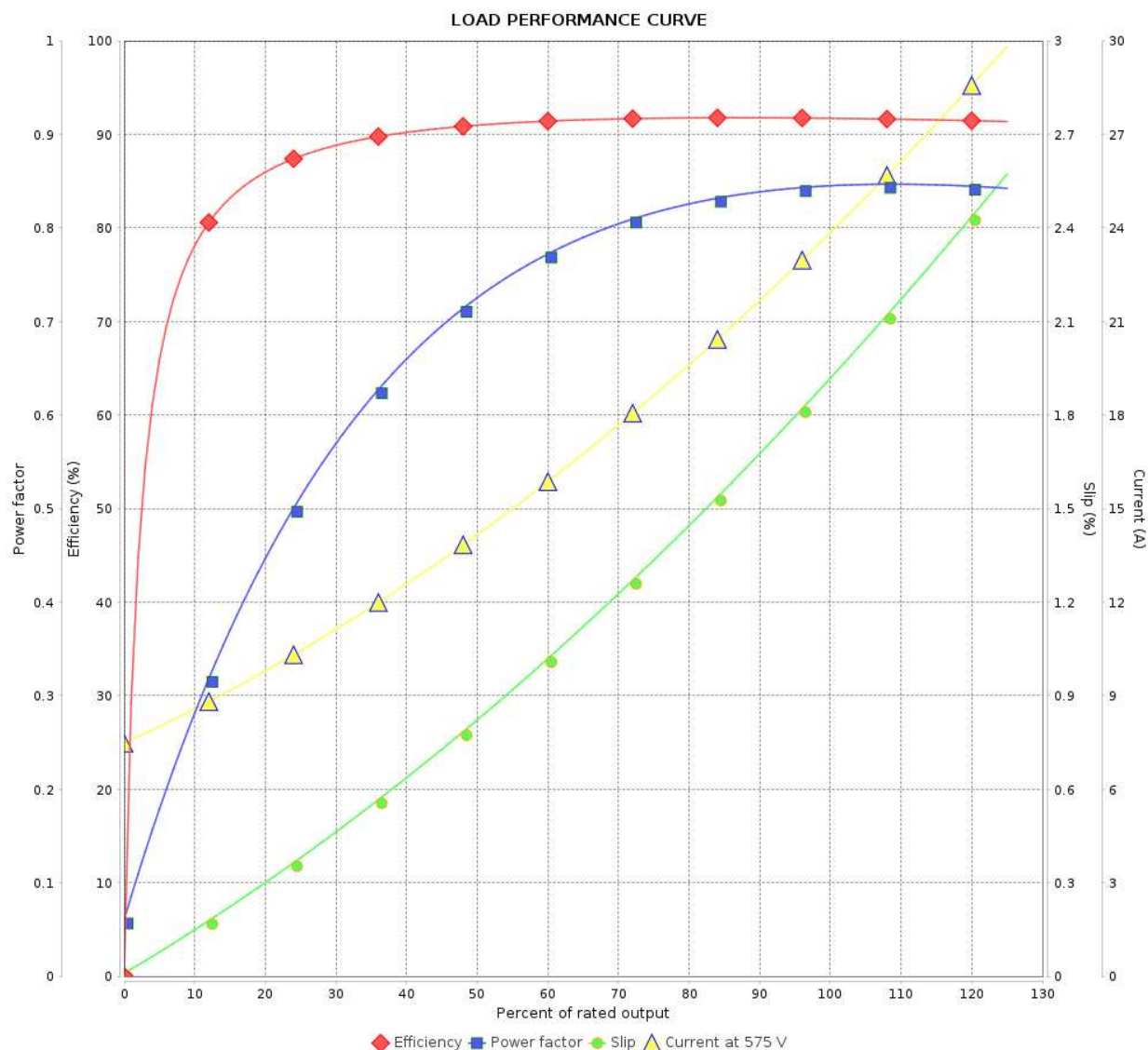
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump High Efficiency
Three-Phase

Product code : 17210038

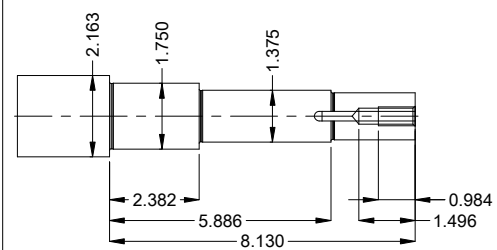
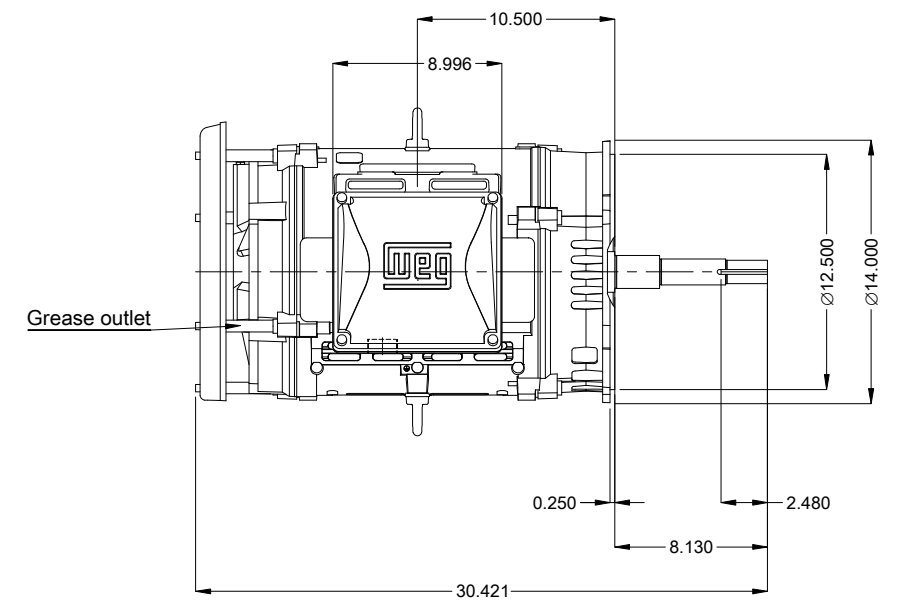
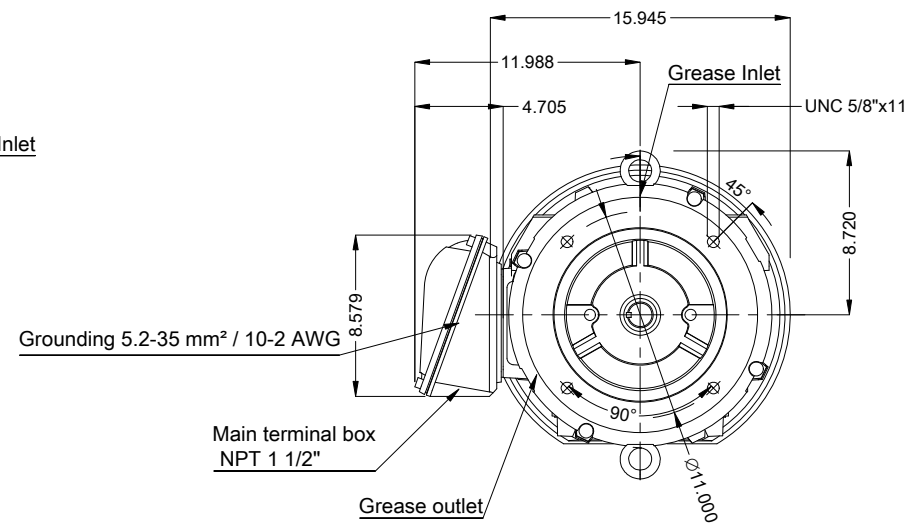


Performance : 575 V 60 Hz 4P

Rated current : 23.8 A
LRC : 6.0
Rated torque : 10.3 kgfm
Locked rotor torque : 200 %
Breakdown torque : 229 %
Rated speed : 1765 rpm

Moment of inertia (J) : 0.1213 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 2 / 2	Revision
Checked by					
Date	14/07/2026				



Technical drawing of a mechanical part with dimensions: 0.250, 0.250, 1.110, and 1.2495.

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

25 HP 04 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		