DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 JP Pump High Efficiency Three-Phase

Product code : 14829365

Frame	: 324/6JP
Output	: 60 HP (45 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 56.5 A
L. R. Amperes	: 345 A
LRC	: 6.1x(Code G)
No load current	: 17.6 A
Rated speed	: 3555 rpm
Slip	: 1.25 %
Rated torque	: 12.2 kgfm
Locked rotor torque	: 180 %
Breakdown torque	: 200 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.1438 kgm²
Design	: B

Locked rotor time	: 28s (cold) 16s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP23
Cooling method	: IC01 - ODP
Mounting	: W-6
Rotation[1]	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight[3]	: 222 kg

Output	50%	75%	100%
Efficiency (%)	92.4	93.0	93.0
Power Factor	0.76	0.83	0.86

Foundation loads

Max. traction	: 0 kgf
Max. compression	: 0 kgf

		Drive end	Non drive end
Bearing type	:	6312 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	9829 h	14226 h
Lubricant amount	:	21 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

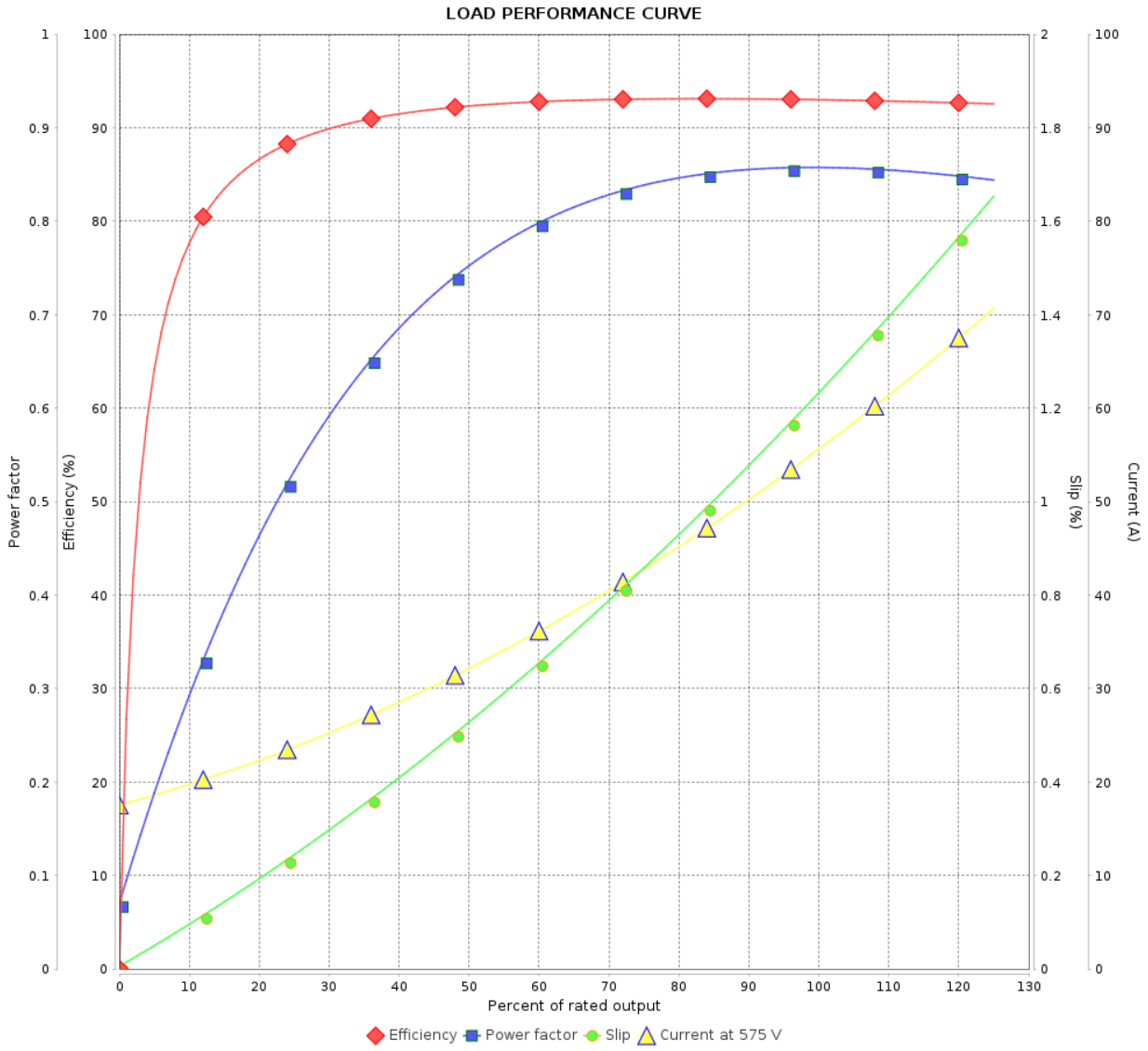
Performed by				
Checked by			Page	Revision
Date	14/07/2026		1 / 2	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: W40 JP Pump High Efficiency Three-Phase	Product code :	14829365



Performance	: 575 V 60 Hz 2P		
Rated current	: 56.5 A	Moment of inertia (J)	: 0.1438 kgm²
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 12.2 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 200 %	Temperature rise	: 80 K
Rated speed	: 3555 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	14/07/2026		2 / 2	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice