

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump NEMA Premium
Efficiency Three-Phase

Product code : 12032545

Frame : 324JP
Output : 40 HP (30 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 38.6 A
L. R. Amperes : 239 A
LRC : 6.2x(Code G)
No load current : 14.8 A
Rated speed : 1775 rpm
Slip : 1.39 %
Rated torque : 16.4 kgfm
Locked rotor torque : 220 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.2551 kgm²
Design : B

Locked rotor time : 50s (cold) 28s (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
Rotation¹ : Both (CW and CCW)
Noise level² : 64.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 219 kg

Output	50%	75%	100%
Efficiency (%)	93.6	94.1	94.1
Power Factor	0.68	0.78	0.83

Foundation loads
Max. traction : 364 kgf
Max. compression : 583 kgf

	Drive end	Non drive end
Bearing type	6312 Z C3	6212 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	21 g	13 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 1 / 2 Revision		
Checked by				
Date	14/01/2024			

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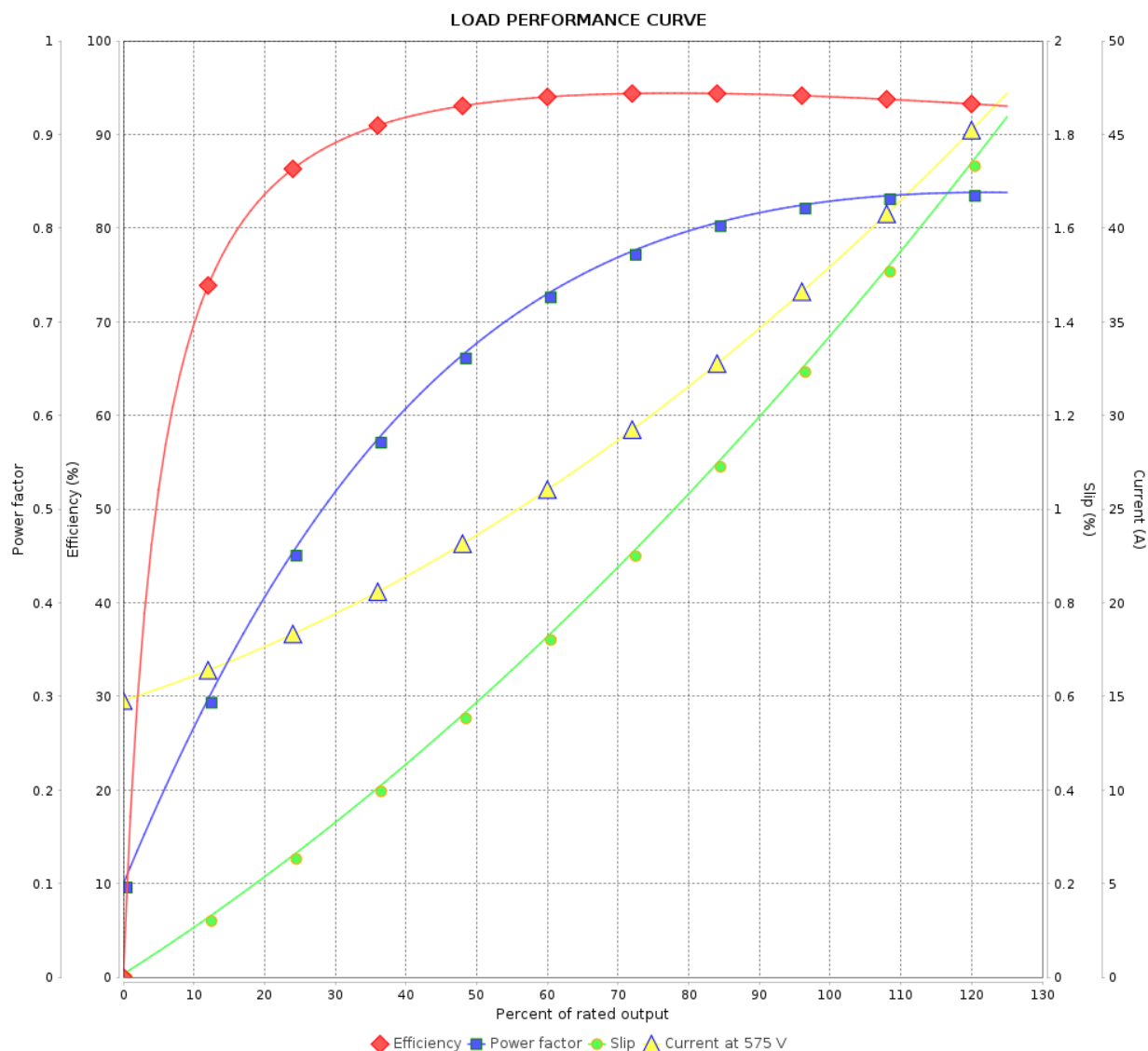
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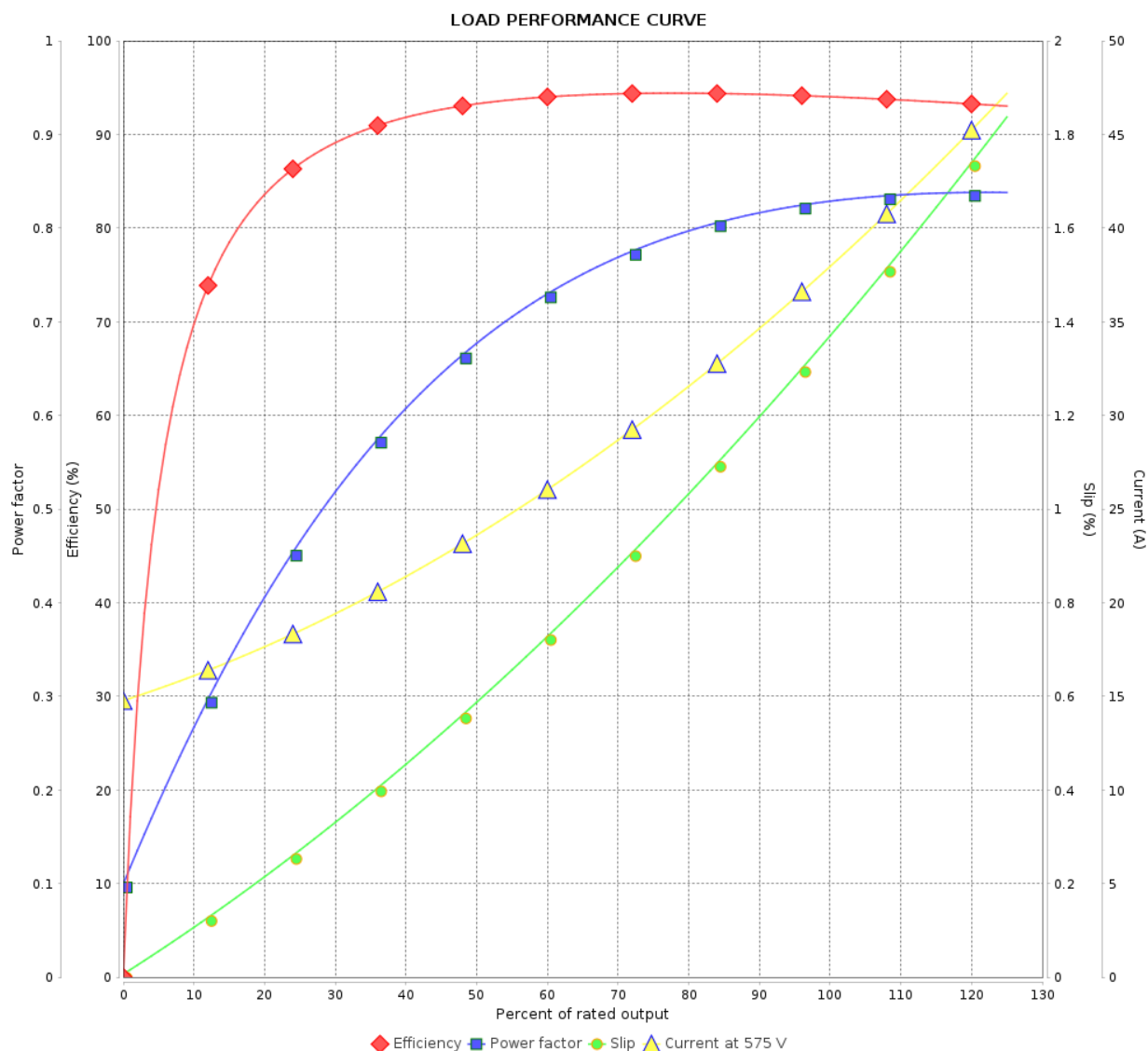
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