

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 12032545	
Frame	: 324JP	Locked rotor time	: 50s (cold) 28s (hot)		
Output	: 40 HP (30 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	: 38.6 A	Protection degree	: IP23		
L. R. Amperes	: 239 A	Cooling method	: IC01 - ODP		
LRC	: 6.2x(Code G)	Mounting	: W-6		
No load current	: 14.8 A	Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 1775 rpm	Noise level <sup>2</sup>	: 64.0 dB(A)		
Slip	: 1.39 %	Starting method	: Direct On Line		
Rated torque	: 16.4 kgfm	Approx. weight <sup>3</sup>	: 219 kg		
Locked rotor torque	: 220 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.2551 kgm <sup>2</sup>				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	93.6	94.1	94.1	Max. traction : 364 kgf	
Power Factor	0.68	0.78	0.83	Max. compression : 583 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
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.		
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# LOAD PERFORMANCE CURVE

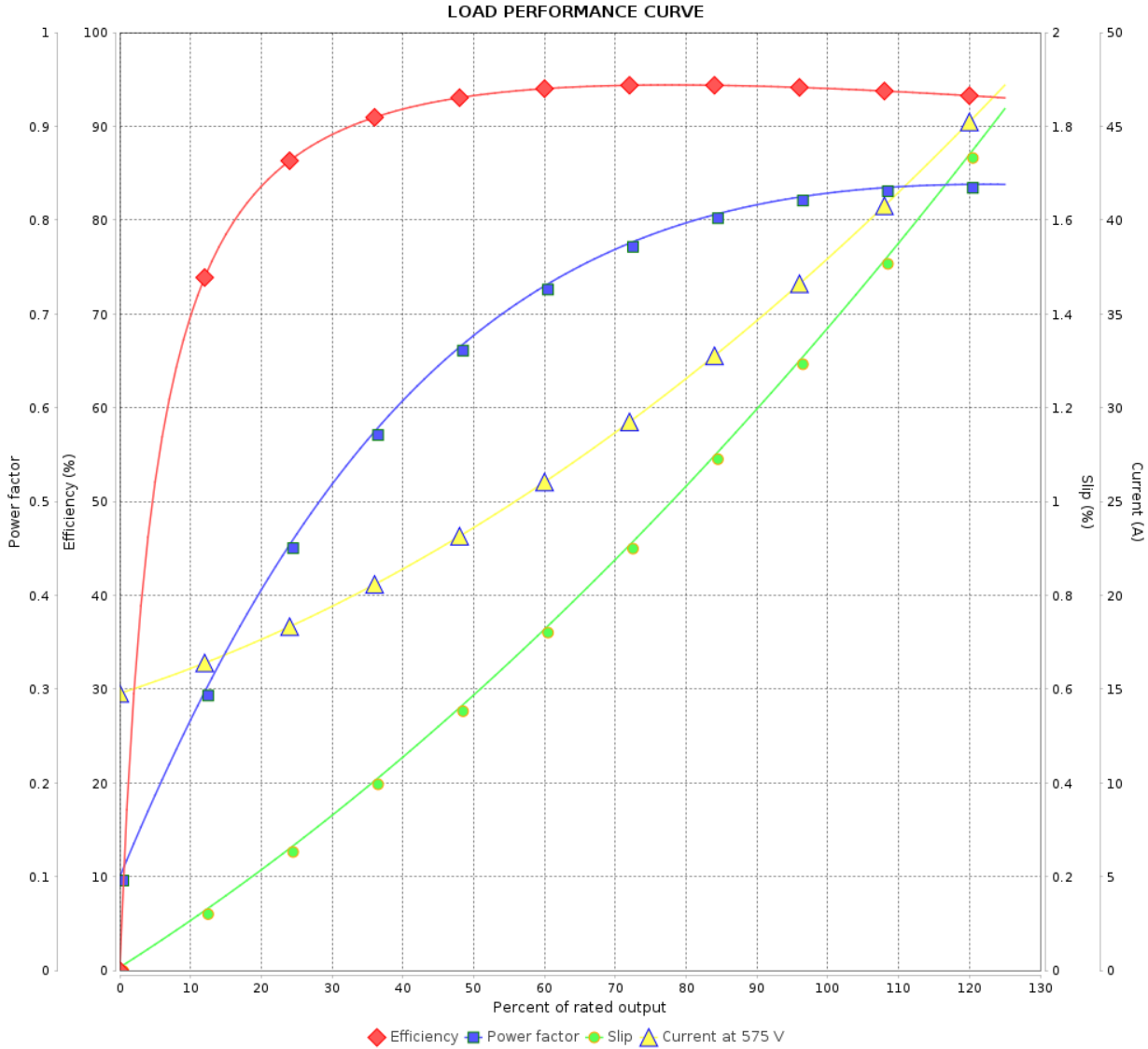
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 12032545



Performance : 575 V 60 Hz 4P

Rated current	: 38.6 A	Moment of inertia (J)	: 0.2551 kgm <sup>2</sup>
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 16.4 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 1775 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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