

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase Product code : 13373345

Frame	: 213/5JP	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 9.49 A	Protection degree	: IP55
L. R. Amperes	: 71.2 A	Cooling method	: IC411 - TEFC
LRC	: 7.5x(Code H)	Mounting	: F-1
No load current	: 3.44 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level ²	: 70.0 dB(A)
Slip	: 1.94 %	Vibration	: A
Rated torque	: 2 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 260 %	Approx. weight ³	: 73.2 kg
Breakdown torque	: 300 %		: 207N (ISO 12944 - C2)
Insulation class	: F		: Munsell N 1 - Matte
Service factor	: 1.15	Design	: B
Moment of inertia (J)	: 0.0303 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	89.5	90.2	90.2	Max. traction	: 76 kgf
Power Factor	0.75	0.84	0.88	Max. compression	: 152 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
9.6	7.7	7.5	5.4	3.4	2.5	1.7

	Drive end	Non drive end
Bearing type	: 6209 ZZ	: 6206 ZZ
Sealing	: V'Ring	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
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

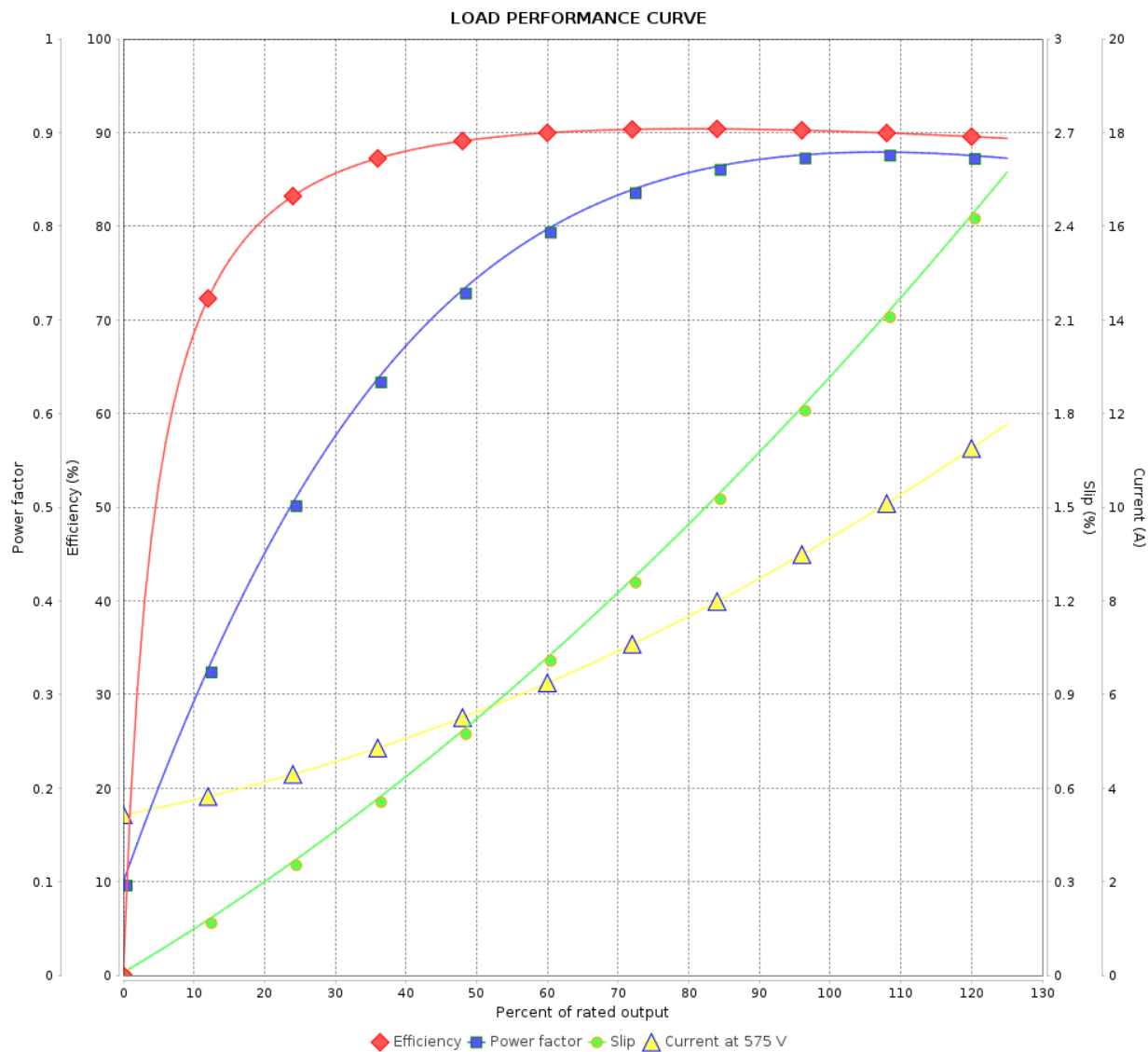
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump NEMA
Premium Efficiency Three-Phase

Product code : 13373345



Performance : 575 V 60 Hz 2P

Rated current : 9.49 A
LRC : 7.5
Rated torque : 2 kgfm
Locked rotor torque : 260 %
Breakdown torque : 300 %
Rated speed : 3530 rpm

Moment of inertia (J) : 0.0303 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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