

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Premium Efficiency Three-Phase Product code : 14123144

Frame	: 56C	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 3 HP (2.2 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	: 2.87 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 23.0 A	Mounting	: F-1
LRC	: 8.0x(Code J)	Rotation ¹	: CCW
No load current	: 1.04 A	Noise level ²	: 62.0 dB(A)
Rated speed	: 3480 rpm	Vibration	: A
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 1 kgfm	Approx. weight ³	: 19.8 kg
Locked rotor torque	: 229 %	Painting plan	: 207N (ISO 12944 - C2)
Breakdown torque	: 300 %	Color	: Munsell N 1 - Matte
Insulation class	: F	Design	: A
Service factor	: 1.15		
Moment of inertia (J)	: 0.0054 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	84.0	85.5	85.5	Max. traction	: 51 kgf
Power Factor	0.76	0.86	0.90	Max. compression	: 70 kgf

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	Without Bearing Seal	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

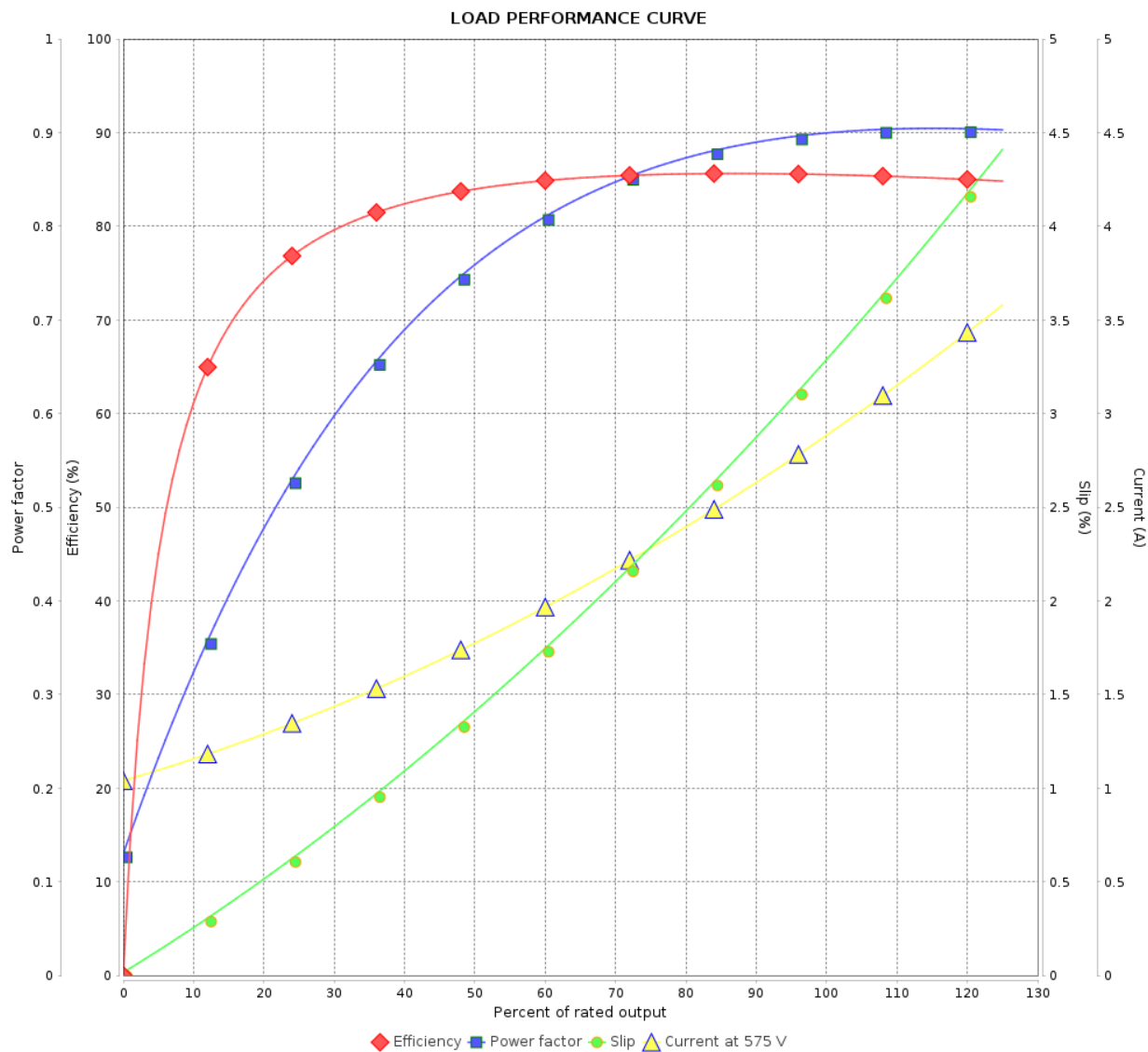
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type
Premium Efficiency Three-Phase

Product code : 14123144



Performance : 575 V 60 Hz 2P

Rated current : 2.87 A
LRC : 8.0
Rated torque : 1 kgfm
Locked rotor torque : 229 %
Breakdown torque : 300 %
Rated speed : 3480 rpm

Moment of inertia (J) : 0.0054 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

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