

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Standard Efficiency Three-Phase	Product code : 13905946		
Frame	: 56J	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 12.5 kg		
Design	: A	Moment of inertia (J) : 0.0033 kgm ²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.26		
L. R. Amperes [A]		15.8		
LRC [A]		7.0x(Code J)		
No load current [A]		1.04		
Rated speed [RPM]		3470		
Slip [%]		3.61		
Rated torque [kgfm]		0.418		
Locked rotor torque [%]		229		
Breakdown torque [%]		250		
Service factor		1.20		
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level ²		62.0 dB(A)		
Efficiency (%)	25%			
	50%	77.0		
	75%	78.5		
	100%	78.5		
Power Factor	25%			
	50%	0.66		
	75%	0.79		
	100%	0.85		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 27 kgf Max. compression : 40 kgf		
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

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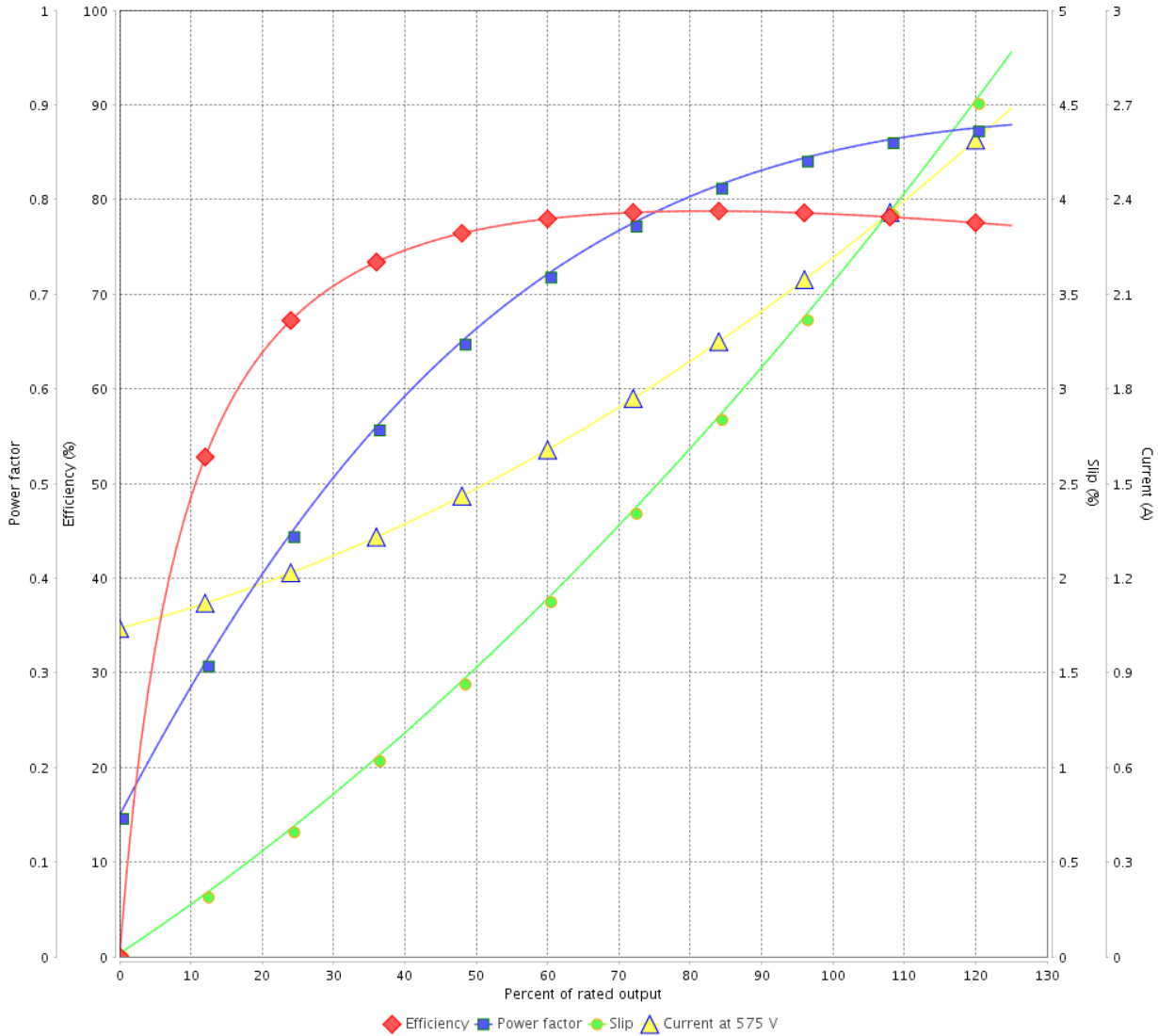


Customer : _____

Product line : Jet Pump - J type Standard
Efficiency Three-Phase

Product code : 13905946

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 2.26 A
LRC : 7.0
Rated torque : 0.418 kgfm
Locked rotor torque : 229 %
Breakdown torque : 250 %
Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.20
Temperature rise : 80 K
Design : A

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