

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	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal	Without Bearing Seal	Max. traction	: 27 kgf	
Lubrication interval	: -	-	Max. compression	: 40 kgf	
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
Notes					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
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LOAD PERFORMANCE CURVE

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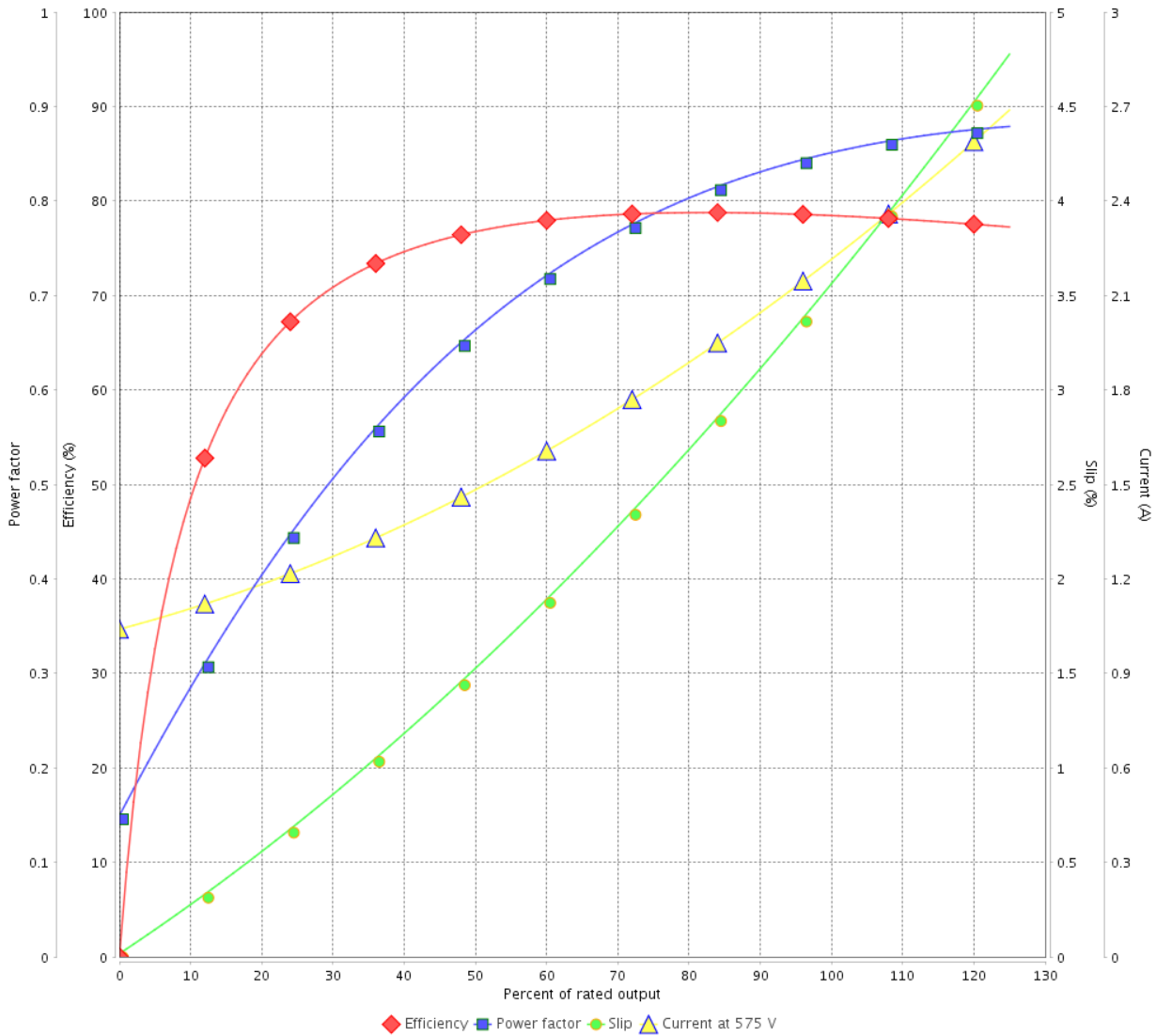


Customer : _____

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

Rev.	Changes Summary	Performed	Checked	Date
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Date				

