

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Jet Pump - J type Three-Phase	Product code	: 13986767		
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	: 16.5 kg		
Design	: A	Moment of inertia (J)	: 0.0049 kgm ²		
Output [HP]	2				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.94				
L. R. Amperes [A]	17.2				
LRC [A]	8.9x(Code K)				
No load current [A]	0.734				
Rated speed [RPM]	3510				
Slip [%]	2.50				
Rated torque [kgfm]	0.414				
Locked rotor torque [%]	220				
Breakdown torque [%]	330				
Service factor	1.20				
Temperature rise	80 K				
Locked rotor time	25s (cold) 14s (hot)				
Noise level ²	62.0 dB(A)				
Efficiency (%)	25%				
	50%	84.0			
	75%	85.5			
	100%	85.5			
Power Factor	25%				
	50%	0.77			
	75%	0.86			
	100%	0.91			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 35 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 51 kgf	
Lubrication interval	: -	-			
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>		
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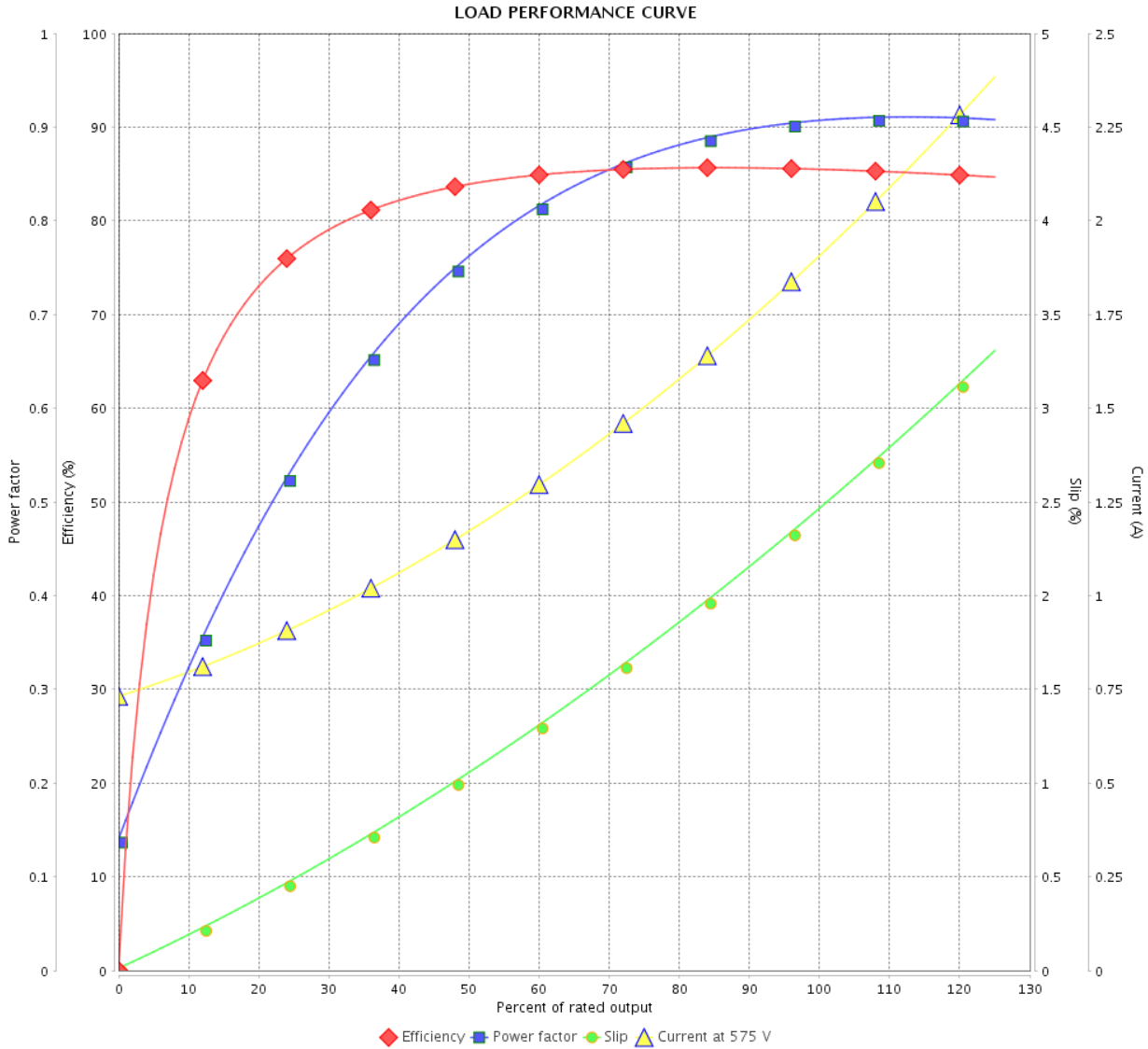
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13986767



Performance : 575 V 60 Hz 2P

Rated current : 1.94 A
 LRC : 8.9
 Rated torque : 0.414 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 330 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0049 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.20
 Temperature rise : 80 K
 Design : A

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