

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer					
Product line	: Jet Pump - C type Single-Phase	Product code :	15366043		
Frame	: 56C	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	: 20.8 kg		
Design	: L	Moment of inertia (J)	: 0.0040 kgm ²		
Output [HP]	3				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	230				
Rated current [A]	12.2				
L. R. Amperes [A]	100				
LRC [A]	8.2x(Code J)				
No load current [A]	3.90				
Rated speed [RPM]	3500				
Slip [%]	2.78				
Rated torque [kgfm]	0.622				
Locked rotor torque [%]	220				
Breakdown torque [%]	280				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	10s (cold) 6s (hot)				
Noise level ²	58.0 dB(A)				
Efficiency (%)	25%				
	50%	76.0			
	75%	81.0			
	100%	84.1			
Power Factor	25%				
	50%	0.87			
	75%	0.92			
	100%	0.93			
Bearing type	: <u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without	Without	Max. traction	: 45 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 66 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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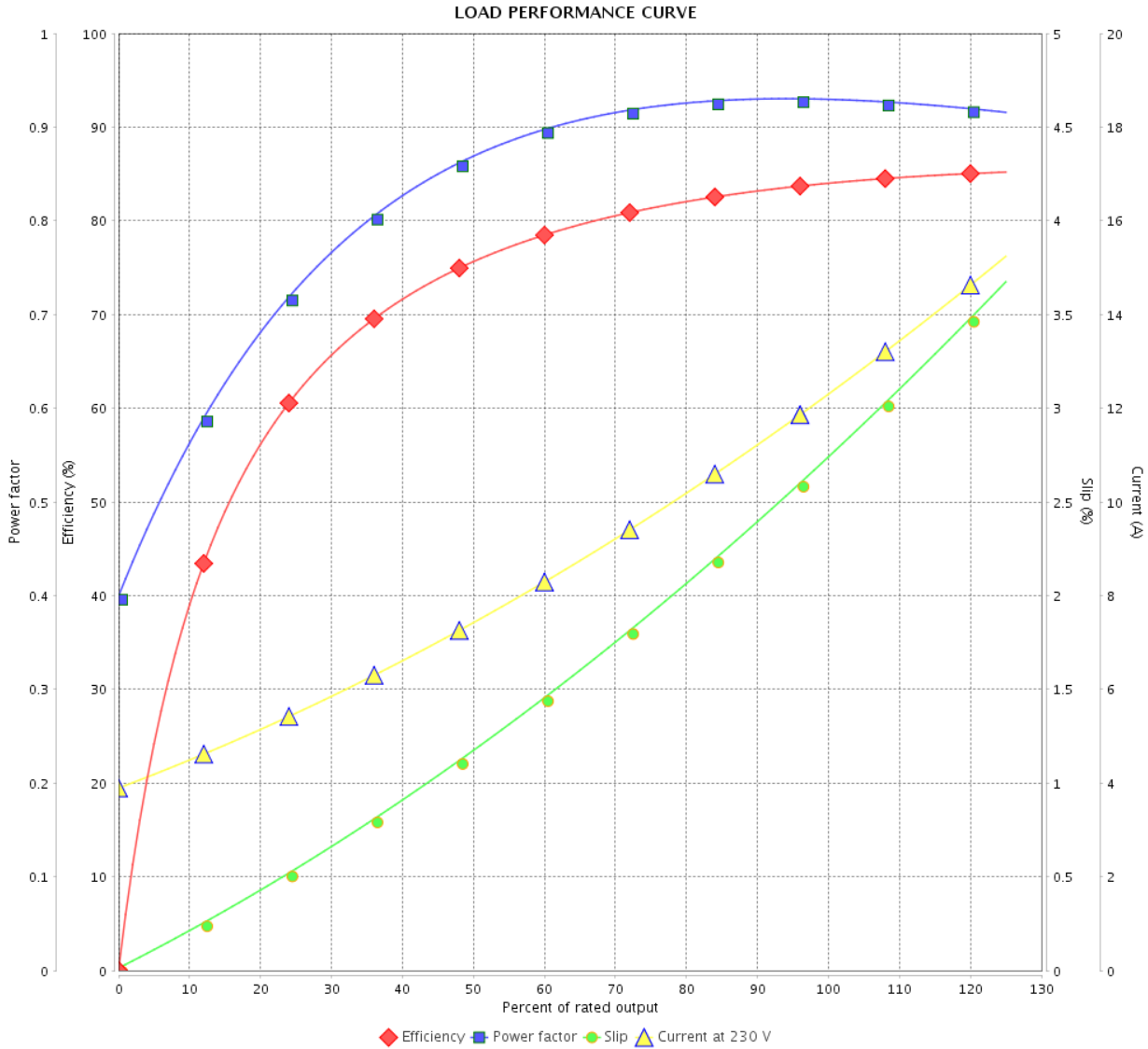
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 15366043



Performance : 230 V 60 Hz 2P

Rated current	: 12.2 A	Moment of inertia (J)	: 0.0040 kgm ²
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: L

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