

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Jet Pump - J type Single-Phase	Product code :	13922050	
Frame	: W56J	Cooling method	: IC411 - TEFC		
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	: 9.5 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0010 kgm ²		
Design	: N				
Output [HP]	0.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	7.00/3.87-3.50				
L. R. Amperes [A]	56.0/31.0-28.0				
LRC [A]	8.0x(Code P)				
No load current [A]	4.80/2.07-2.40				
Rated speed [RPM]	3500				
Slip [%]	2.78				
Rated torque [kgfm]	0.104				
Locked rotor torque [%]	290				
Breakdown torque [%]	300				
Service factor					
Temperature rise	80 K				
Locked rotor time	12s (cold) 7s (hot)				
Noise level ²	66.0 dB(A)				
Efficiency (%)	25%				
	50%	50.0			
	75%	58.0			
	100%	60.0			
Power Factor	25%				
	50%	0.59			
	75%	0.69			
	100%	0.76			
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads			
Sealing	: V'Ring V'Ring	Max. traction	: 5 kgf		
Lubrication interval	: - -	Max. compression	: 14 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>		
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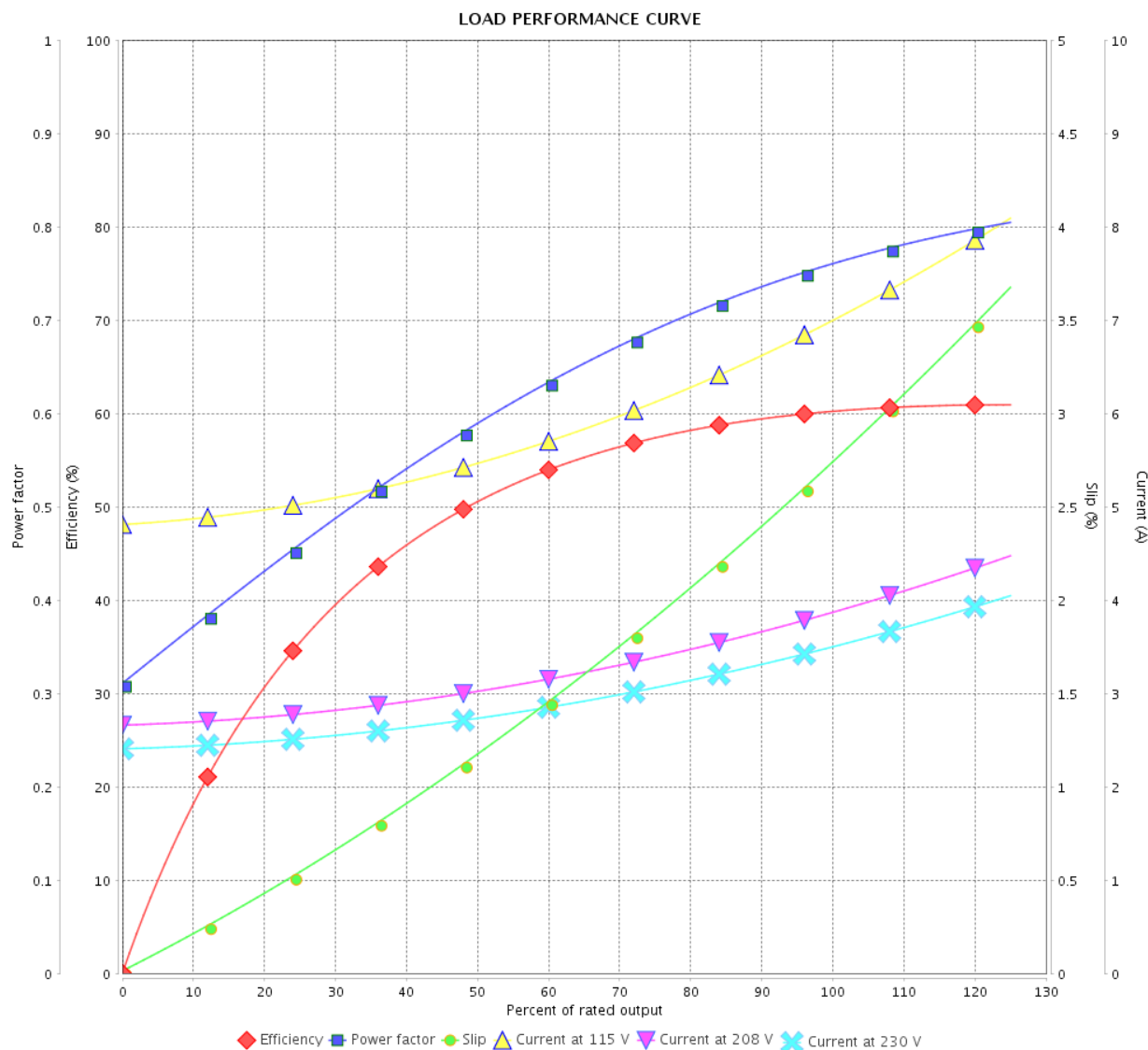
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase

Product code : 13922050



Performance : 115/208-230 V 60 Hz 2P

Rated current : 7.00/3.87-3.50 A
 LRC : 8.0
 Rated torque : 0.104 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 300 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0010 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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