

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Jet Pump - J type Single-Phase	Product code :	14069225	
Frame	: 56J	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	: 15.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0044 kgm ²		
Design	: L				
Output [HP]	1				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	13.6/7.52-6.80				
L. R. Amperes [A]	91.1/50.4-45.6				
LRC [A]	6.7x(Code M)				
No load current [A]	9.60/4.14-4.80				
Rated speed [RPM]	1745				
Slip [%]	3.06				
Rated torque [kgfm]	0.416				
Locked rotor torque [%]	280				
Breakdown torque [%]	270				
Service factor					
Temperature rise	80 K				
Locked rotor time	14s (cold) 8s (hot)				
Noise level ²	54.0 dB(A)				
Efficiency (%)	25%				
	50%	62.0			
	75%	68.0			
	100%	71.0			
Power Factor	25%				
	50%	0.48			
	75%	0.60			
	100%	0.68			
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads			
Sealing	: V'Ring V'Ring	Max. traction	: 28 kgf		
Lubrication interval	: - -	Max. compression	: 43 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
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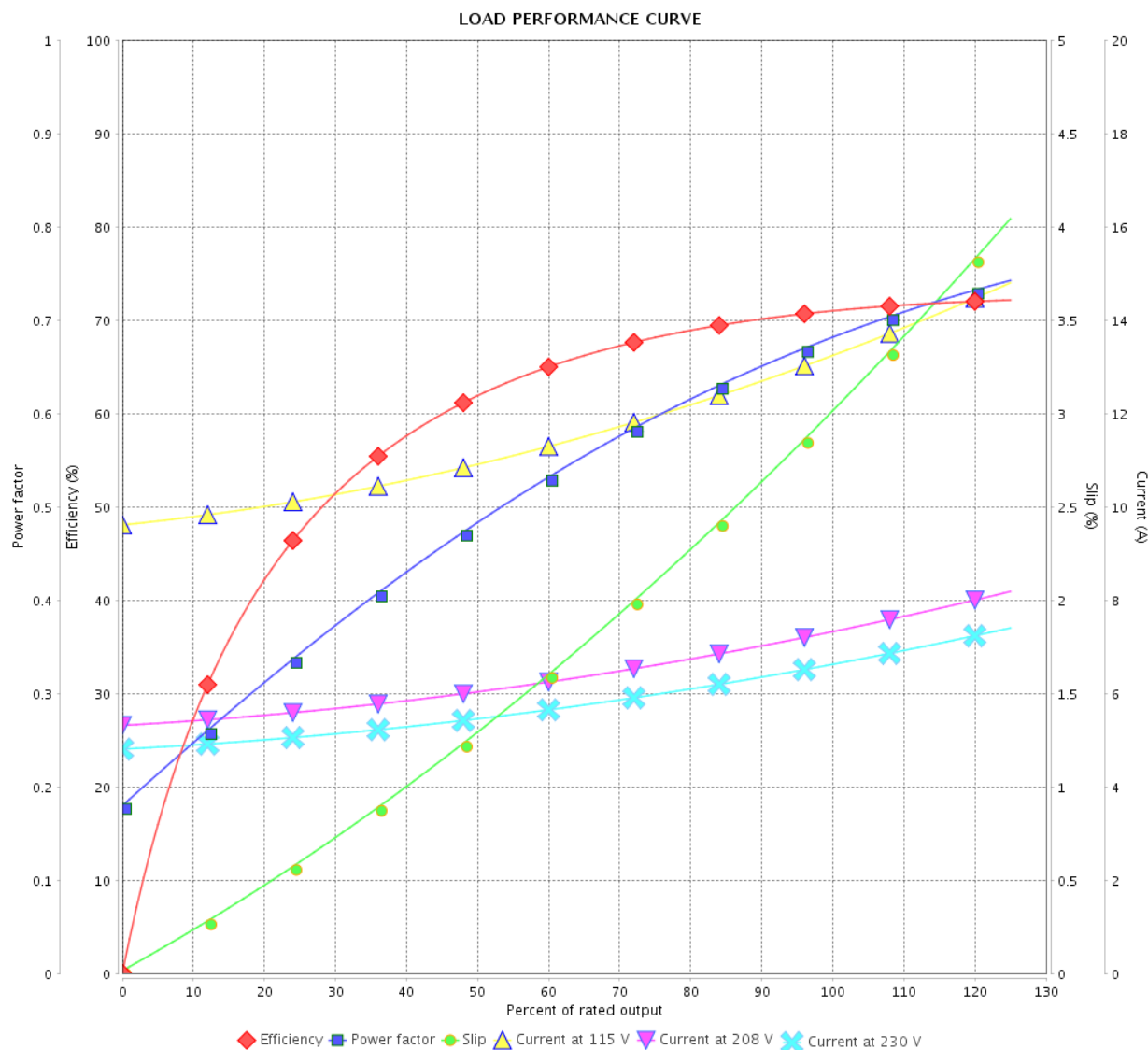
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase

Product code : 14069225



Performance : 115/208-230 V 60 Hz 4P

Rated current : 13.6/7.52-6.80 A
 LRC : 6.7
 Rated torque : 0.416 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0044 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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