

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					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
Rev.	Changes Summary		Performed	Checked	Date
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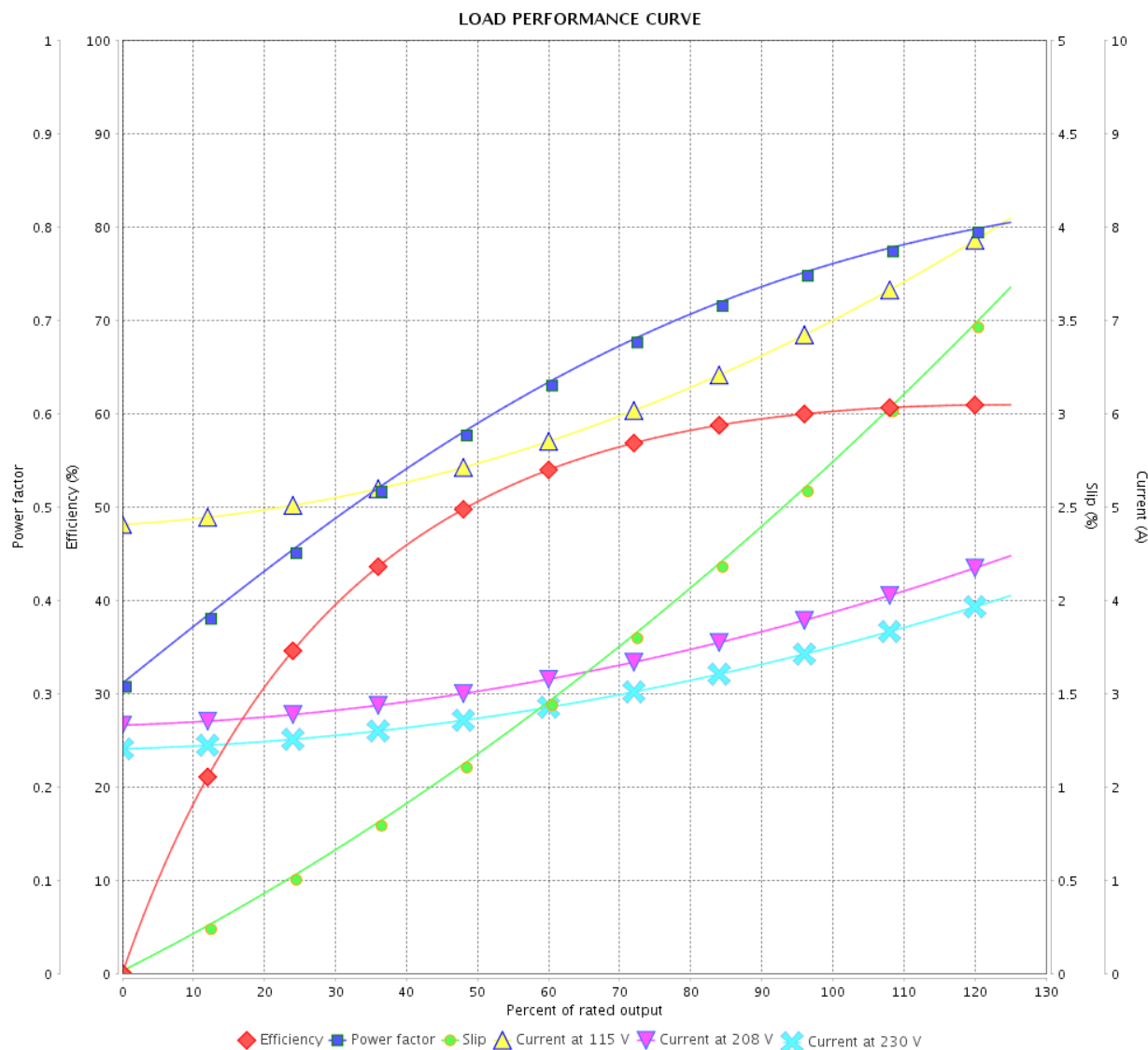
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase

Product code : 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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