

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Single-Phase	Product code :	13710803
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	: 13.0 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0020 kgm ²	
Design	: N			
Output [HP]	1			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	10.1/5.64-5.06			
L. R. Amperes [A]	85.0/47.4-42.5			
LRC [A]	8.4x(Code L)			
No load current [A]	5.50/2.37-2.75			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.207			
Locked rotor torque [%]	280			
Breakdown torque [%]	280			
Service factor				
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%	51.0		
	50%	55.0		
	75%	64.0		
	100%	70.0		
Power Factor	25%	0.51		
	50%	0.82		
	75%	0.88		
	100%	0.92		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 12 kgf	
Lubrication interval	: -	-	Max. compression : 25 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.	
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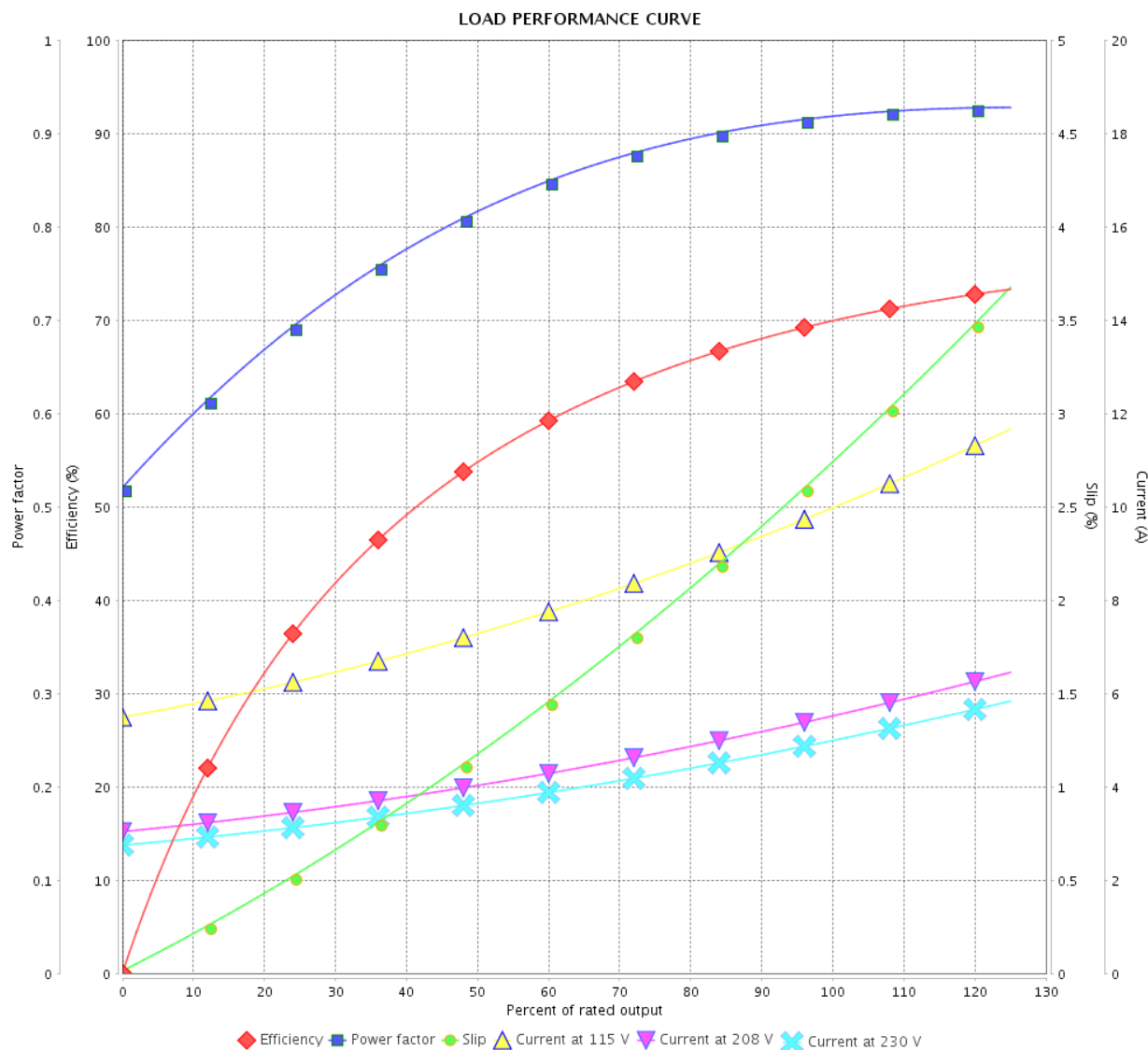
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase

Product code : 13710803



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

Rated current : 10.1/5.64-5.06 A
 LRC : 8.4
 Rated torque : 0.207 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 280 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0020 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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