

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	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 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				
<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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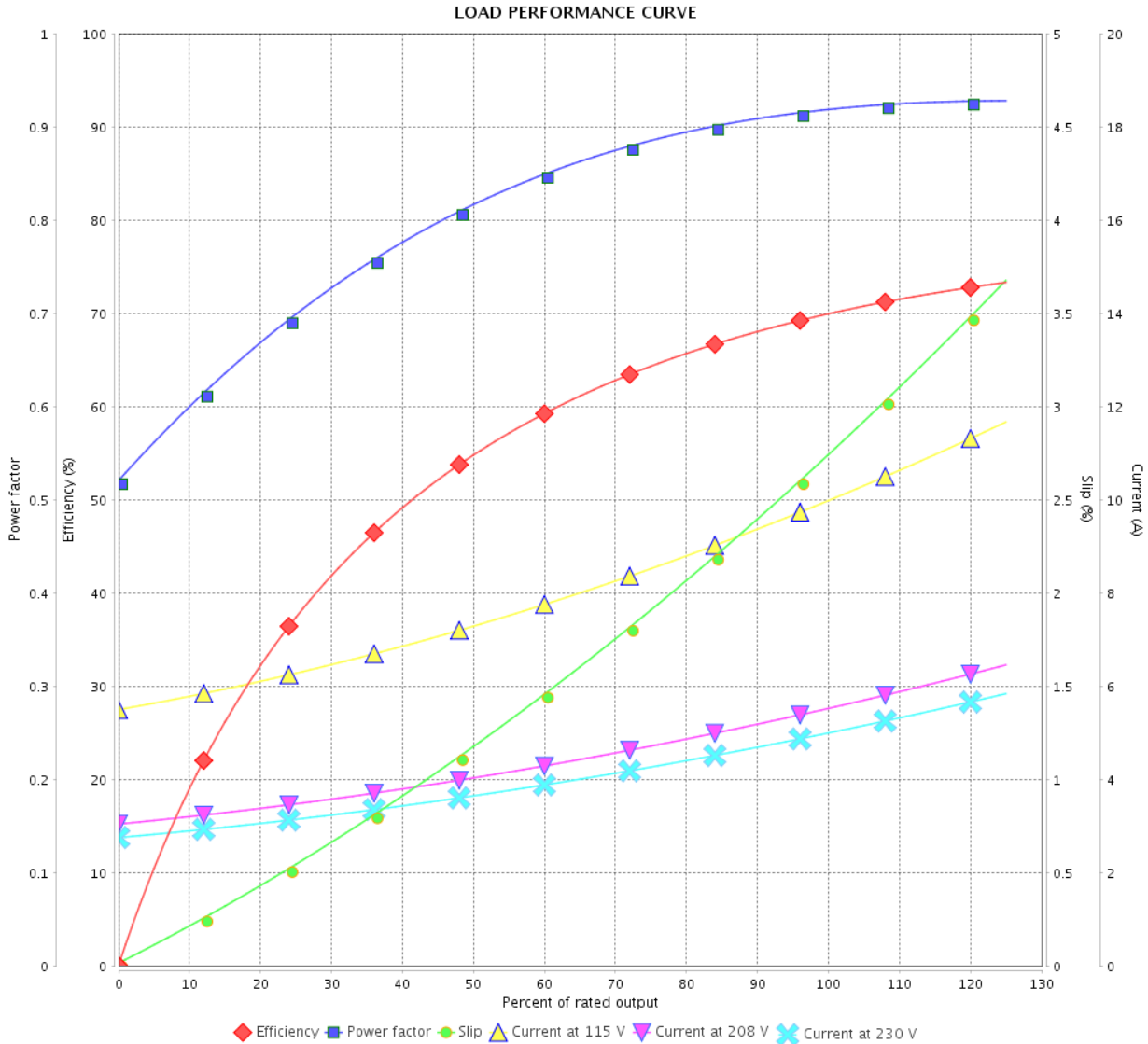
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 13710803



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

Rated current	: 10.1/5.64-5.06 A	Moment of inertia (J)	: 0.0020 kgm ²
LRC	: 8.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.207 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	:
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: N

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