

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Single-Phase	Product code : 14087898		
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 : 12.6 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0033 kgm ²		
Design	: N			
Output [HP]		0.75		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		10.6/5.86-5.30		
L. R. Amperes [A]		67.8/37.5-33.9		
LRC [A]		6.4x(Code M)		
No load current [A]		8.00/3.45-4.00		
Rated speed [RPM]		1745		
Slip [%]		3.06		
Rated torque [kgfm]		0.312		
Locked rotor torque [%]		300		
Breakdown torque [%]		270		
Service factor				
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level ²		54.0 dB(A)		
Efficiency (%)	25%			
	50%	57.0		
	75%	65.0		
	100%	68.5		
Power Factor	25%			
	50%	0.47		
	75%	0.58		
	100%	0.67		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 20 kgf		
Lubrication interval	: - -	Max. compression : 33 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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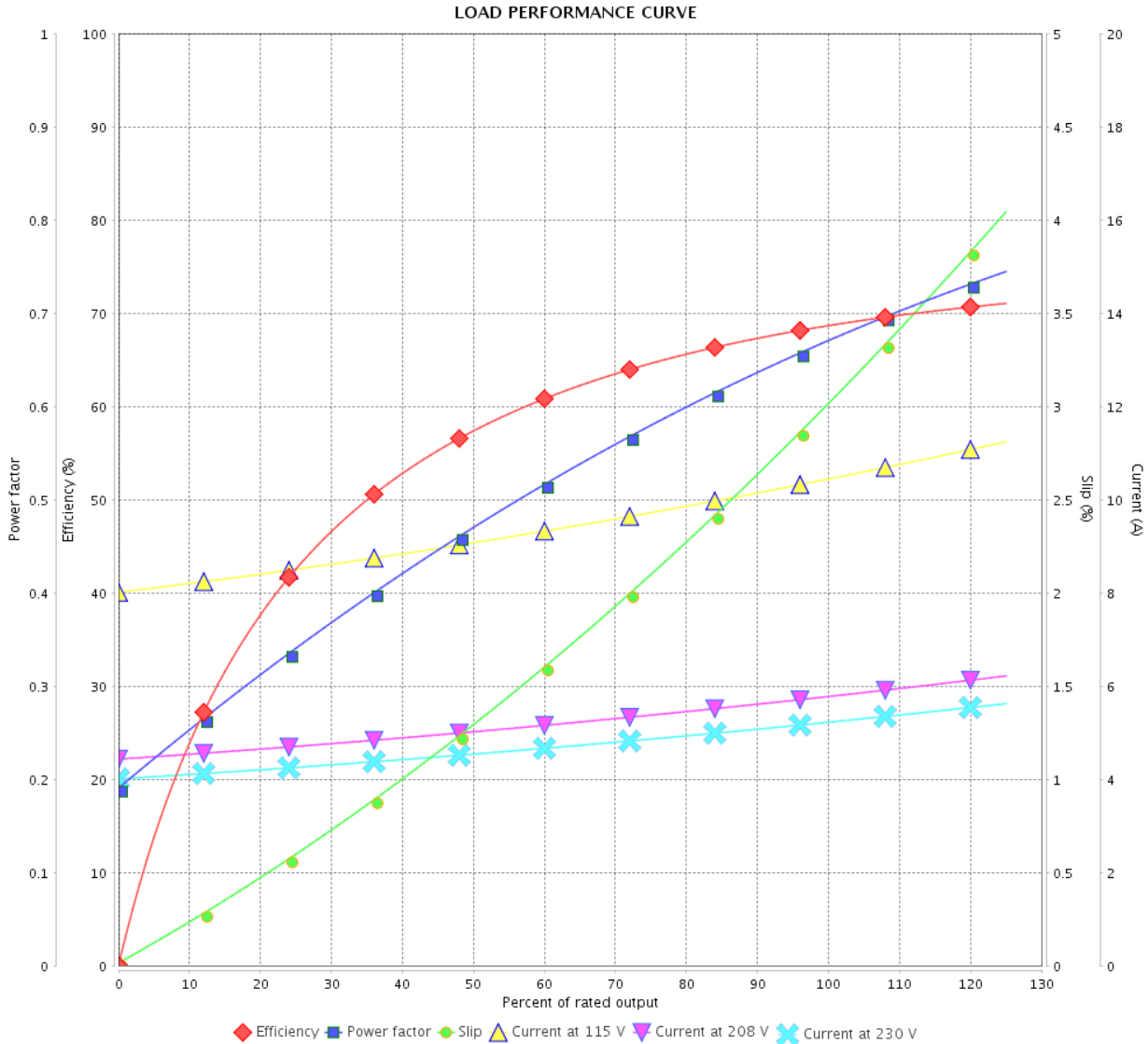
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Jet Pump - J type Single-Phase Product code : 14087898



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

Rated current	: 10.6/5.86-5.30 A	Moment of inertia (J)	: 0.0033 kgm ²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.312 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	:
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1745 rpm	Design	: N

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