

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Single-Phase	Product code : 14699317		
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 : 18.6 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0033 kgm ²		
Design	: L			
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		16.6/9.00-8.32		
L. R. Amperes [A]		138/74.7-69.1		
LRC [A]		8.3x(Code J)		
No load current [A]		3.60/1.55-1.80		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.415		
Locked rotor torque [%]		240		
Breakdown torque [%]		270		
Service factor				
Temperature rise		80 K		
Locked rotor time		16s (cold) 9s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	74.0		
	75%	80.0		
	100%	82.5		
Power Factor	25%			
	50%	0.93		
	75%	0.94		
	100%	0.95		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 26 kgf		
Lubrication interval	: - -	Max. compression : 45 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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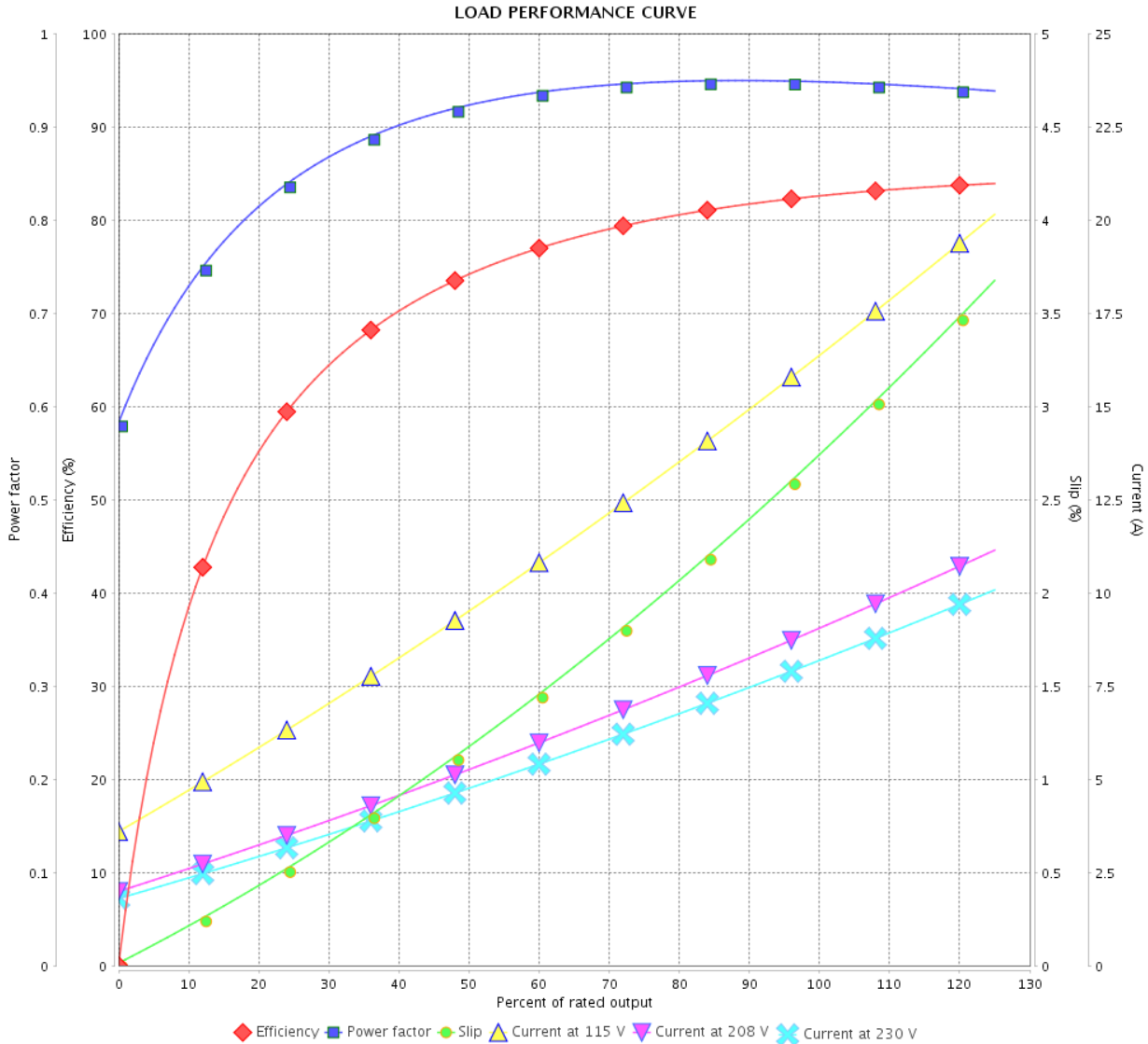
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 14699317



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

Rated current : 16.6/9.00-8.32 A
 LRC : 8.3
 Rated torque : 0.415 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 270 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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