

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Single-Phase	Product code : 13950889		
Frame	: 56J	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup> : 19.6 kg		
Design	: L	Moment of inertia (J) : 0.0036 kgm <sup>2</sup>		
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		230		
Rated current [A]		13.2		
L. R. Amperes [A]		106		
LRC [A]		8.0x(Code K)		
No load current [A]		4.50		
Rated speed [RPM]		3485		
Slip [%]		3.19		
Rated torque [kgfm]		0.625		
Locked rotor torque [%]		200		
Breakdown torque [%]		250		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		10s (cold) 6s (hot)		
Noise level <sup>2</sup>		58.0 dB(A)		
Efficiency (%)	25%			
	50%	71.0		
	75%	76.0		
	100%	78.0		
Power Factor	25%			
	50%	0.85		
	75%	0.91		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 39 kgf		
Lubrication interval	: - -	Max. compression : 59 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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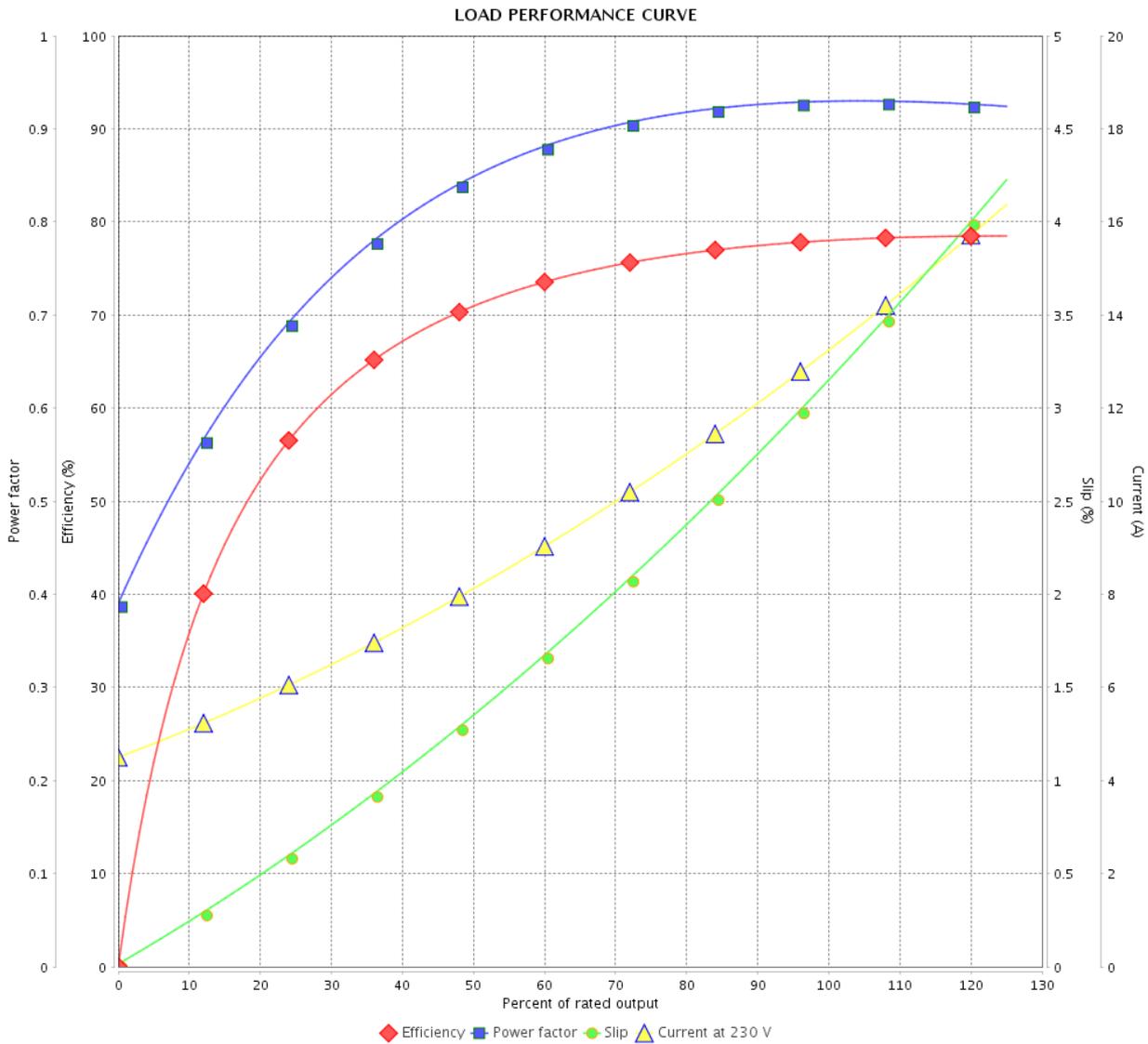
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase      Product code : 13950889



Performance : 230 V 60 Hz 2P

Rated current	: 13.2 A	Moment of inertia (J)	: 0.0036 kgm <sup>2</sup>
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.625 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3485 rpm	Design	: L

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