

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - C type Single-Phase			
Product code :	13910336			
Frame	: W56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: N			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation <sup>1</sup>	: CCW			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 9.5 kg			
Moment of inertia (J)	: 0.0010 kgm <sup>2</sup>			
Output [HP]	0.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	7.00/3.87-3.50			
L. R. Amperes [A]	56.0/31.0-28.0			
LRC [A]	8.0x(Code P)			
No load current [A]	4.80/2.07-2.40			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.104			
Locked rotor torque [%]	290			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	12s (cold) 7s (hot)			
Noise level <sup>2</sup>	66.0 dB(A)			
Efficiency (%)	25%	48.1		
	50%	50.0		
	75%	58.0		
	100%	60.0		
Power Factor	25%	0.34		
	50%	0.59		
	75%	0.69		
	100%	0.76		
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS			
Sealing	: V'Ring Without Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 5 kgf			
	Max. compression : 14 kgf			
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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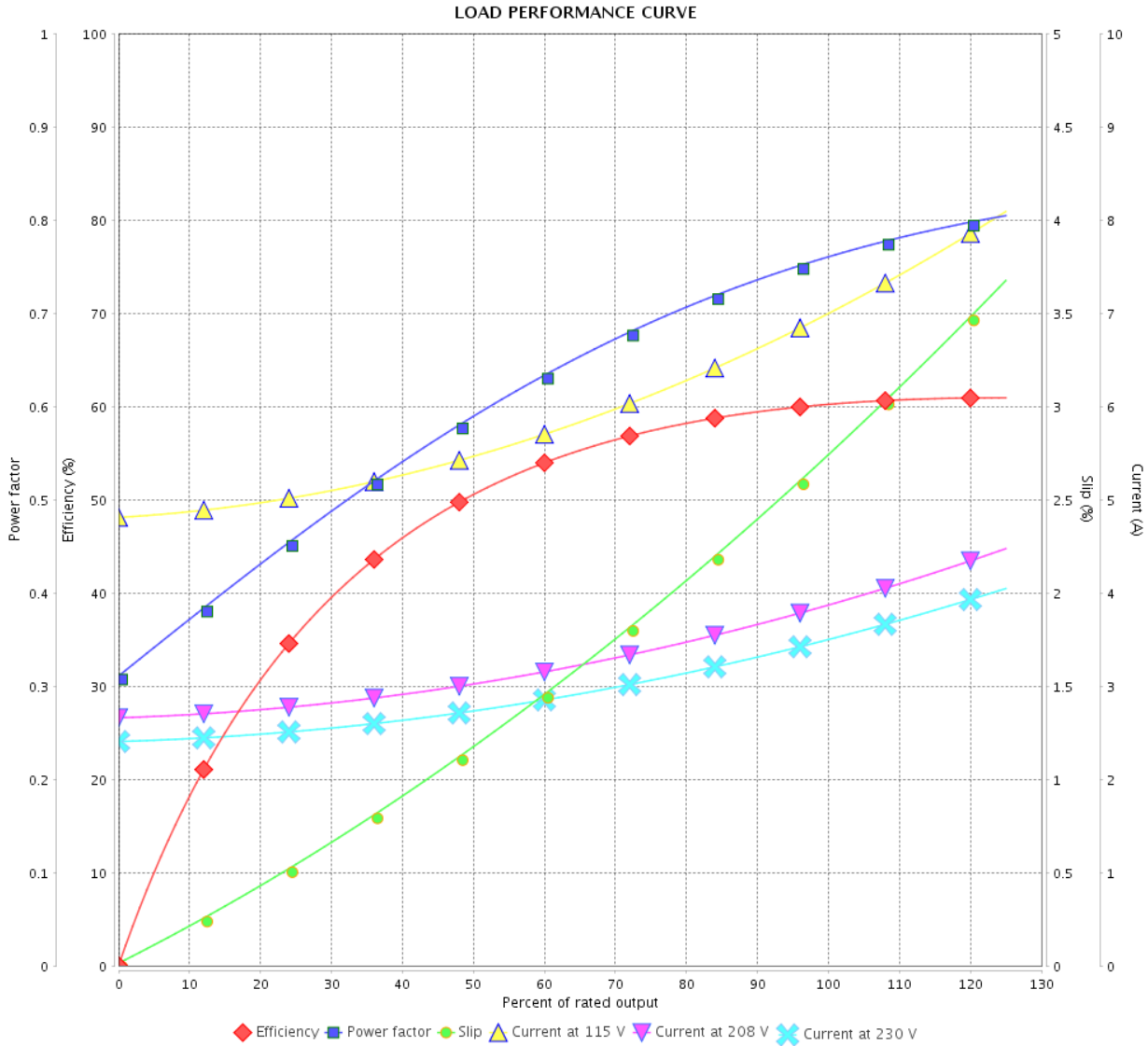
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 13910336



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

Rated current	: 7.00/3.87-3.50 A	Moment of inertia (J)	: 0.0010 kgm <sup>2</sup>
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.104 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	:
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: N

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