

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :	
Product line	: Jet Pump - C type Three-Phase
Product code	: 14337496
Frame	: W56C
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Design	: A
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation <sup>1</sup>	: CCW
Starting method	: Direct On Line
Approx. weight <sup>2</sup>	: 11.5 kg
Moment of inertia (J)	: 0.0014 kgm <sup>2</sup>
Output [HP]	1.5
Poles	2
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	4.22/2.11
L. R. Amperes [A]	37.1/18.6
LRC [A]	8.8x(Code L)
No load current [A]	2.40/1.20
Rated speed [RPM]	3450
Slip [%]	4.17
Rated torque [kgfm]	0.316
Locked rotor torque [%]	400
Breakdown torque [%]	430
Service factor	1.15
Temperature rise	80 K
Locked rotor time	23s (cold) 13s (hot)
Noise level <sup>2</sup>	62.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS
Sealing	: Without Bearing Seal Without Bearing Seal
Lubrication interval	: -
Lubricant amount	: -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 37 kgf Max. compression : 49 kgf
Notes USABLE @208V 4.67A SF 1.00 SFA 4.67A	
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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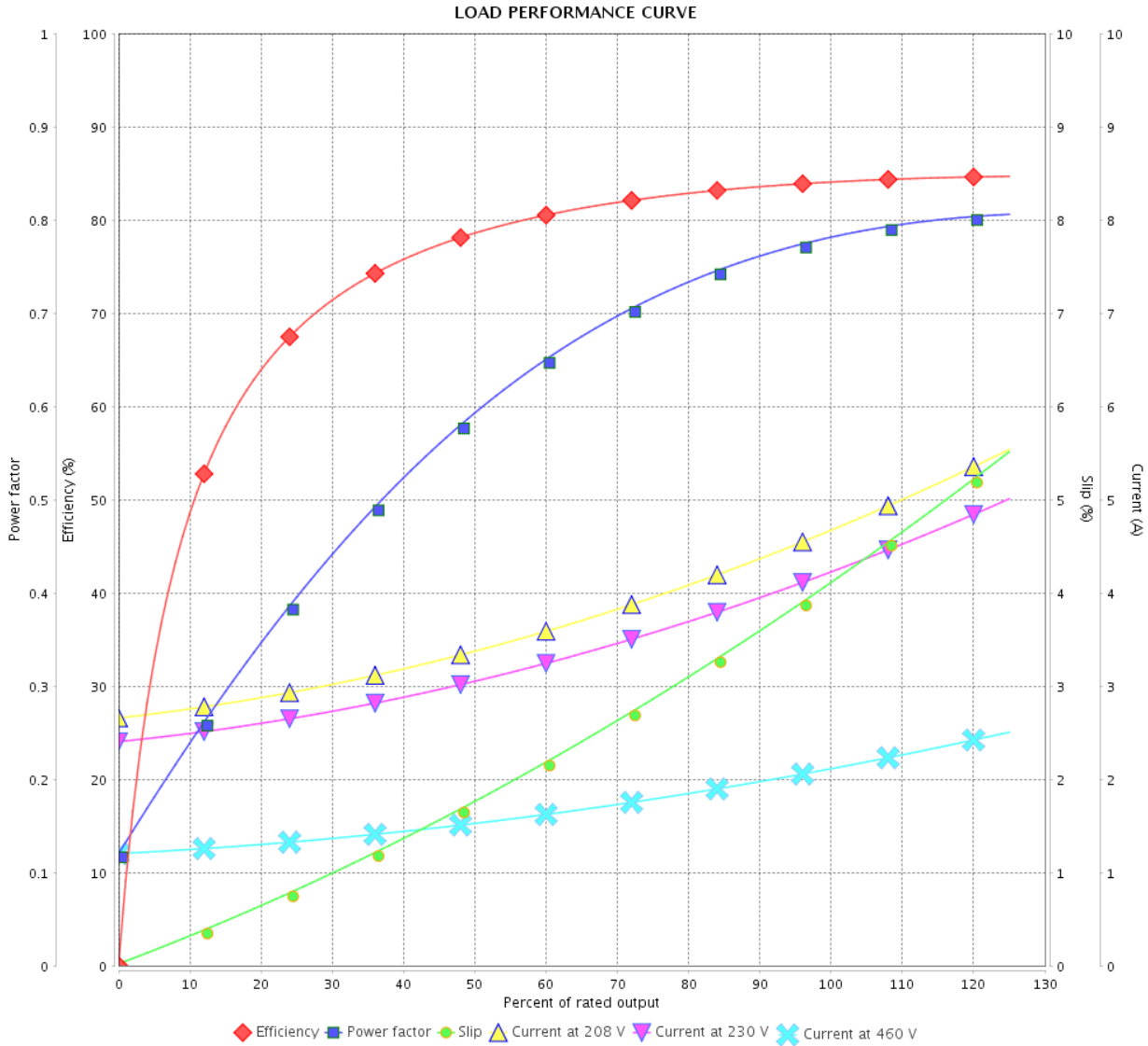
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 14337496



Performance : 230/460 V 60 Hz 2P

Rated current : 4.22/2.11 A  
 LRC : 8.8  
 Rated torque : 0.316 kgfm  
 Locked rotor torque : 400 %  
 Breakdown torque : 430 %  
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0014 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : A

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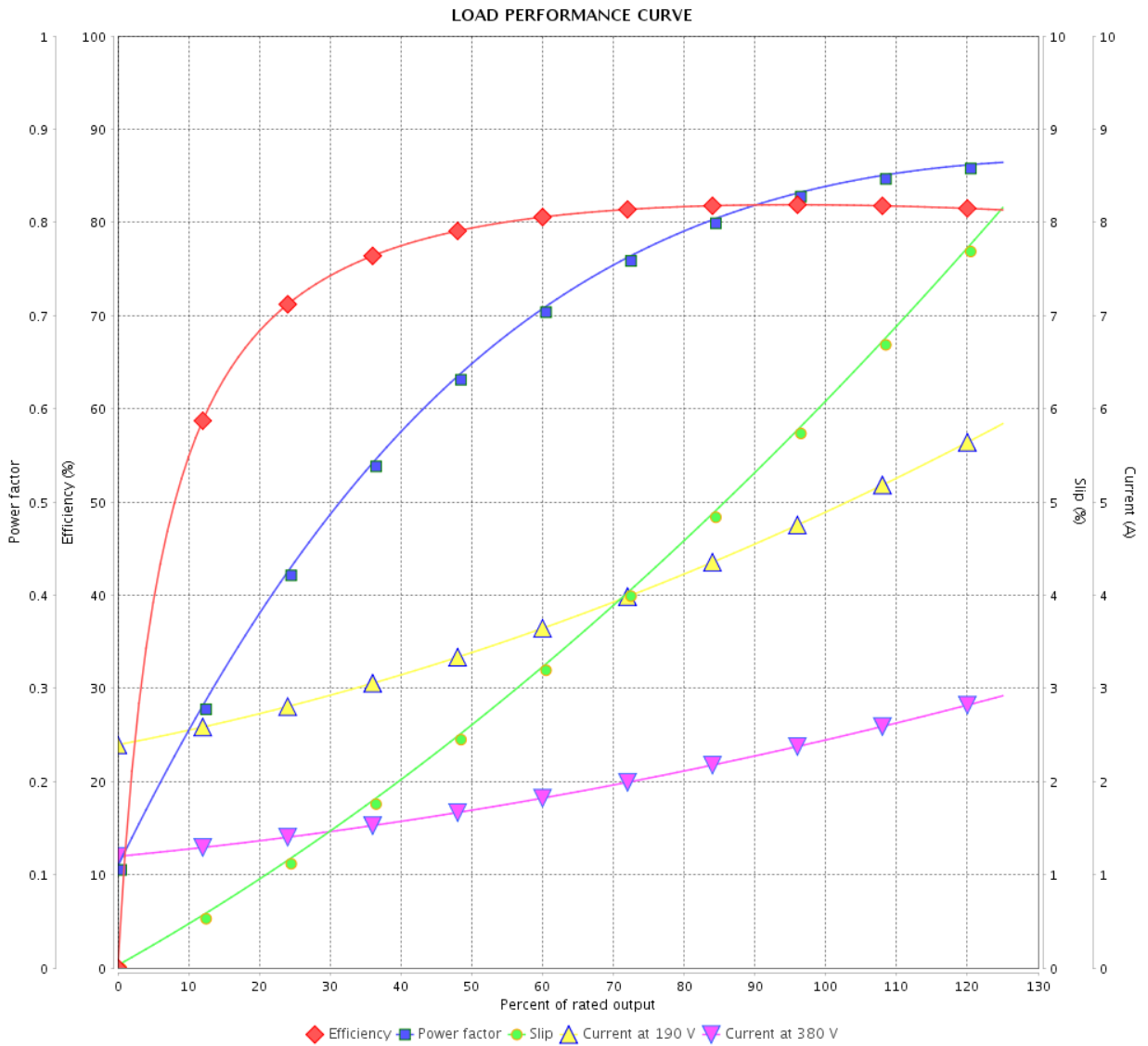
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Jet Pump - C type Three-Phase      Product code : 14337496



Performance : 190/380 V 50 Hz 2P

Rated current : 4.86/2.43 A  
 LRC : 7.9  
 Rated torque : 0.387 kgfm  
 Locked rotor torque : 390 %  
 Breakdown torque : 310 %  
 Rated speed : 2815 rpm

Moment of inertia (J) : 0.0014 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : A

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# LOAD PERFORMANCE CURVE

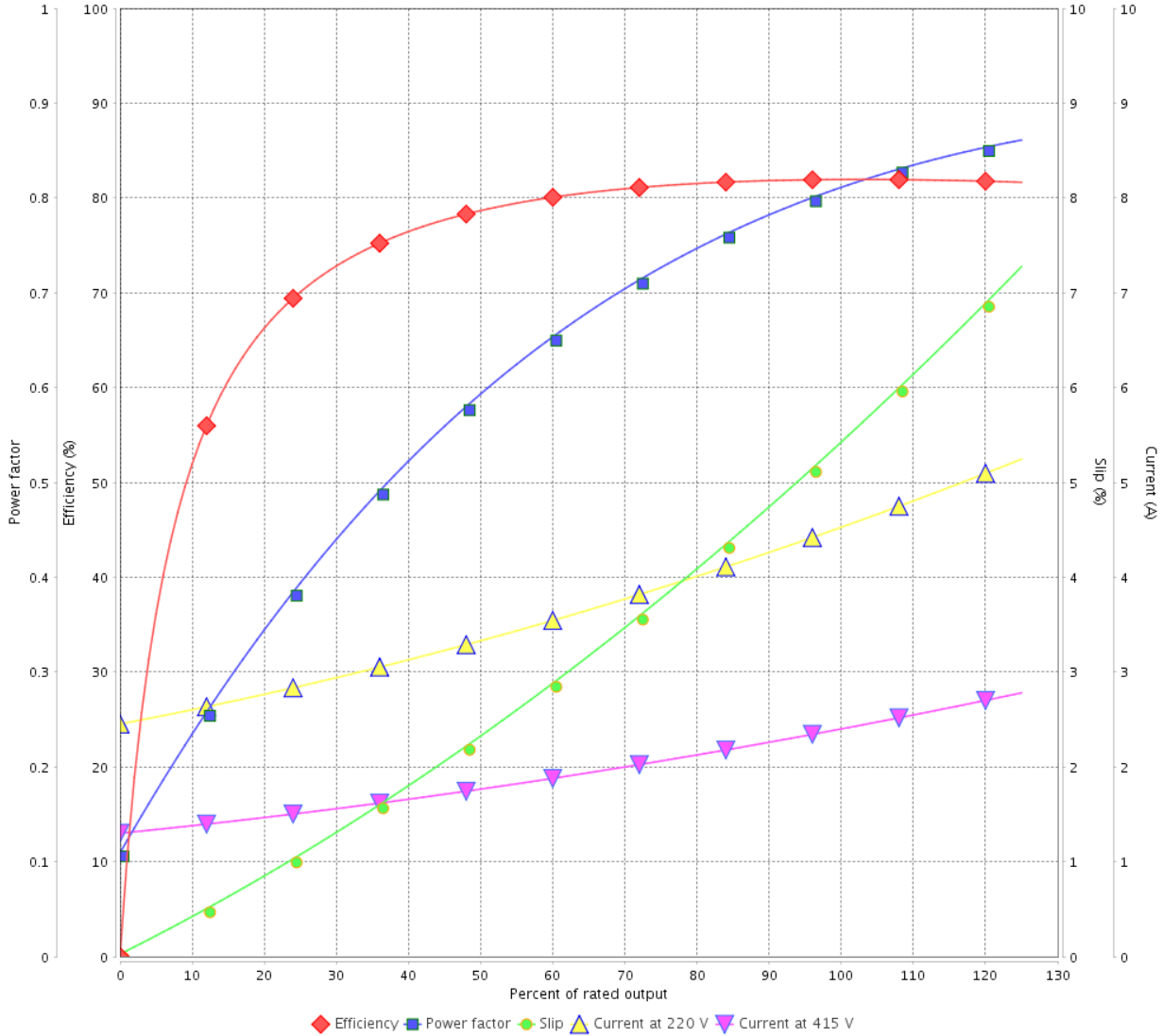
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase      Product code : 14337496

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 2P

Rated current	: 4.51/2.39 A	Moment of inertia (J)	: 0.0014 kgm <sup>2</sup>
LRC	: 8.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.384 kgfm	Insulation class	: F
Locked rotor torque	: 440 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 2835 rpm	Design	: A

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