### **DATA SHEET**

Product line

Locked rotor time

Efficiency (%)

Power Factor

Noise level<sup>2</sup>

#### Three Phase Induction Motor - Squirrel Cage

: Jet Pump - J type Three-Phase



13968085

23s (cold) 13s (hot)

49.0 dB(A)

75.1

79.2

80.2

0.49

0.63

0.73

Customer :

Frame : 56J Cooling method : IC411 - TEFC Insulation class Mounting : F-1 : F 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>3</sup> : 12.2 kg Protection degree : IP55 Moment of inertia (J) : 0.0036 kgm<sup>2</sup> Output [HP] 0.75 0.75 0.75 Poles 4 Frequency [Hz] 60 50 50 Rated voltage [V] 220/415 208-230/460 190/380 Rated current [A] 2.63-2.38/1.19 2.64/1.32 2.47/1.31 L. R. Amperes [A] 20.3-18.3/9.16 16.1/8.05 16.8/8.91 LRC [A] 6.1x(Code H) 6.8x(Code K) 7.7x(Code L) No load current [A] 1.42-1.64/0.822 1.62/0.809 1.79/0.950 Rated speed [RPM] 1760 1450 1460 Slip [%] 2.22 2.67 3.33 Rated torque [kgfm] 0.309 0.375 0.373 Locked rotor torque [%] 240 180 220 Breakdown torque [%] 360 250 310 Service factor 1.15 1.15 Temperature rise 80 K 80 K 80 K

Product code:

27s (cold) 15s (hot)

49.0 dB(A)

77.9

80.3

80.0

0.56

0.70

0.79

<u>Drive end</u> <u>Non drive end</u> Foundation loads

28s (cold) 16s (hot)

52.0 dB(A)

75.5

80.0

81.5

0.49

0.62

0.71

Bearing type : 6203 2RS 6202 2RS Max. traction : 31 kgf Sealing : V'Ring V'Ring Max. compression : 43 kgf

Lubrication interval : - - Lubricant amount : - Lubricant type : Mobil Polyrex EM

25% 50%

75%

100%

25% 50%

75%

100%

Notes

USABLE @208V SF 1.00

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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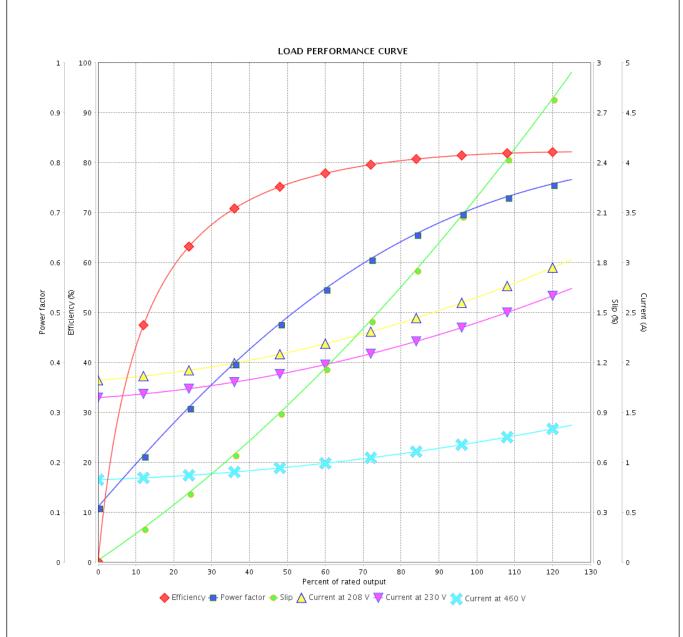
### LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



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Customer	

Product line : Jet Pump - J type Three-Phase Product code : 13968085



Performance	: 208-230/460 V 60 Hz 4	P	
Rated current	: 2.63-2.38/1.19 A	Moment of inertia (J)	: 0.0036 kgm²
LRC	: 7.7	Duty cycle	: Cont.(S1)

Rated torque : 0.309 kgfm Insulation class : F
Locked rotor torque : 240 % Service factor :

Breakdown torque : 360 % Temperature rise : 80 K
Rated speed : 1760 rpm

rated speed		700 ipiii				
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# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



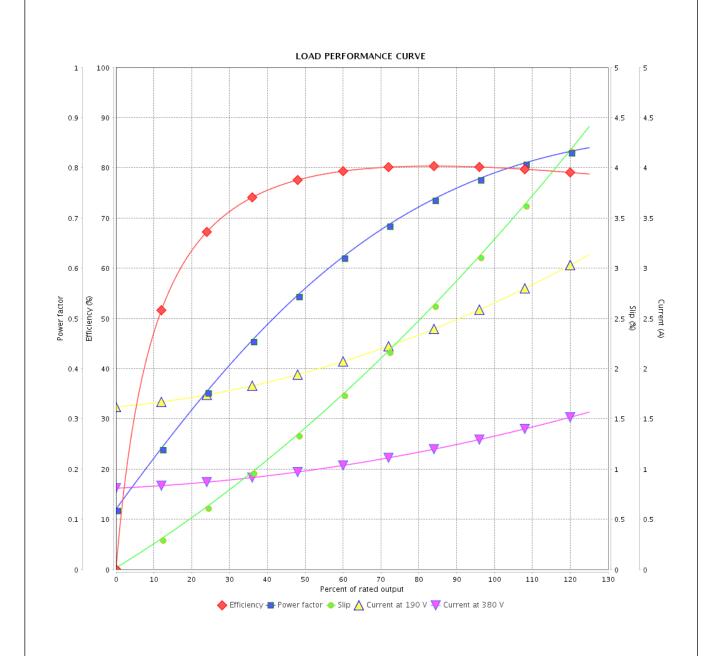
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Date

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Product line : Jet Pump - J type Three-Phase Product code : 13968085



Performance	: 190/380 V 50 Hz 4P	: 190/380 V 50 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of Duty cycle Insulation Service fa Temperate	class ctor	: 0.0036 kgm : Cont.(S1) : F : 1.15 : 80 K	2
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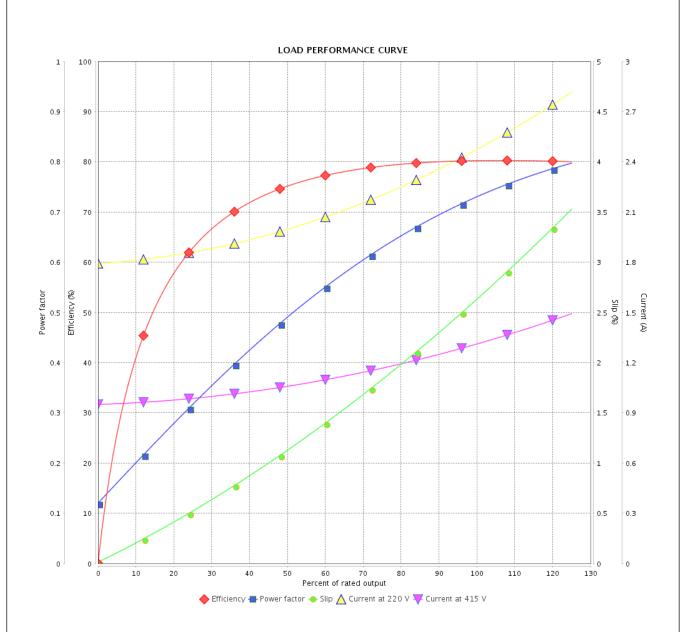
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



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Customer		

Product line : Jet Pump - J type Three-Phase Product code : 13968085



Performance	: 220/415 V 50 Hz 4P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.47/1.31 A : 6.8 : 0.373 kgfm : 220 % : 310 % : 1460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 0.0036 kgm² : Cont.(S1) : F : 1.15 : 80 K

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