## **DATA SHEET**

Customer

#### Three Phase Induction Motor - Squirrel Cage



Product line : Jet Pump - J type Three-Phase Product code: 13721750

: W56J Cooling method : IC411 - TEFC Frame Mounting Insulation class : F : W-6 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. weight3 : 7.9 kg

Protection degre	е	: IP55	Moment of inertia (J)	: 0.0008 kgm²
Output [HP]		0.5	0.5	0.5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190/380	220/415
Rated current [A]		1.73-1.57/0.784	1.77/0.885	1.58/0.836
L. R. Amperes [A]		13.3-12.1/6.04	10.3/5.13	10.7/5.68
LRC [A]		7.7x(Code L)	5.8x(Code H)	6.8x(Code K)
No load current [A	-	0.719-0.834/0.417	0.816/0.408	0.879/0.466
Rated speed [RPI	И]	3435	2780	2825
Slip [%]		4.58	7.33	5.83
Rated torque [kgfr		0.106	0.131	0.128
Locked rotor torqu		330	240	300
Breakdown torque	: [%]	360	250	310
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		32s (cold) 18s (hot)	32s (cold) 18s (hot)	25s (cold) 14s (hot)
Noise level <sup>2</sup>		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
	25%			
Efficiency (%)	50%	68.0	72.0	70.9
Lincicity (70)	75%	72.0	75.0	75.1
	100%	74.0	74.7	76.0
	25%			
Power Factor	50%	0.64	0.70	0.63
I OWEI FACIOI	75%	0.75	0.81	0.75
í -	1000/	0.00	0.05	0.01

100% 0.80 0.85 0.81 Drive end Non drive end Foundation loads

Bearing type 6203 2RS 6202 2RS Max. traction : 8 kgf V'Ring V'Ring Sealing Max. compression : 16 kgf Lubrication interval

Lubricant amount Lubricant type Mobil Polyrex EM

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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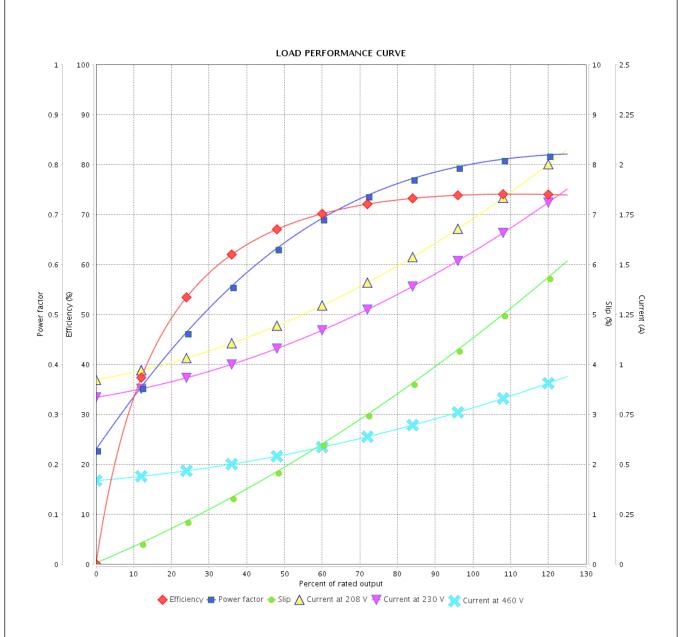
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



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Product line : Jet Pump - J type Three-Phase Product code : 13721750



Performance		: 208-230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed		: 1.73-1.57/0.784 A : 7.7 : 0.106 kgfm : 330 % : 360 % : 3435 rpm	Moment of Duty cycle Insulation Service fa Temperat	class actor	: 0.0008 kgm : Cont.(S1) : F : : 80 K	2
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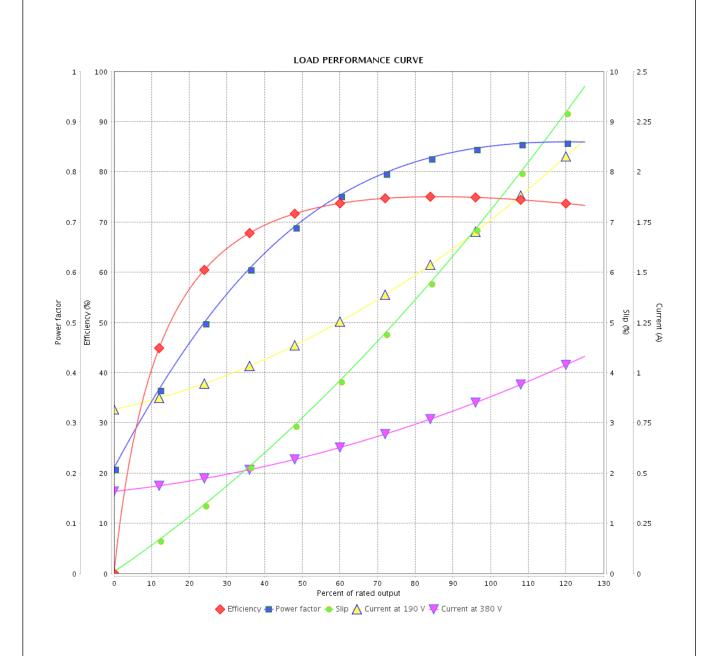
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13721750



Performance	: 190/380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.77/0.885 A : 5.8 : 0.131 kgfm : 240 % : 250 % : 2780 rpm	Moment of Duty cycle Insulation Service fa	class ctor	: 0.0008 kgm : Cont.(S1) : F : 1.15 : 80 K	2
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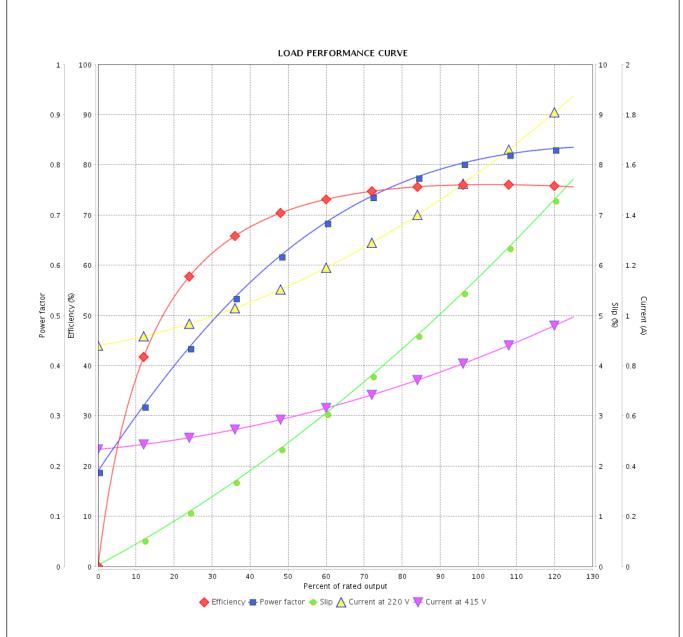
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13721750



Performance : 220/415 V 50 Hz 2P : 1.58/0.836 A : 0.0008 kgm<sup>2</sup> Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.8 : 0.128 kgfm Insulation class Rated torque : F Locked rotor torque : 300 % Service factor : 1.15 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 2825 rpm

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