DATA SHEET

Product line

Three Phase Induction Motor - Squirrel Cage

: Jet Pump - J type Three-Phase



13721660

370

1.15

80 K

46s (cold) 26s (hot)

64.0 dB(A)

60.1

67.1

Customer :

Frame : W56J Cooling method : IC411 - TEFC Insulation class Mounting : W-6 : F Duty cycle : Cont.(S1) Rotation¹ : CCW Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight³ : 6.8 kg Protection degree : IP55 Moment of inertia (J) : 0.0006 kgm² Output [HP] 0.25 0.25 0.25 Poles 2 2 2 Frequency [Hz] 60 50 50 Rated voltage [V] 208-230/460 190/380 220/415 Rated current [A] 0.986/0.493 0.907/0.481 1.01-0.912/0.456 L. R. Amperes [A] 7.47-6.75/3.37 5.92/2.96 6.17/3.27 LRC [A] 7.4x(Code M) 6.0x(Code J) 6.8x(Code L) No load current [A] 0.497-0.576/0.288 0.560/0.280 0.596/0.316 Rated speed [RPM] 3460 2835 2865 Slip [%] 3.89 5.50 4.50 Rated torque [kgfm] 0.052 0.064 0.063 Locked rotor torque [%] 350 270 330

Product code:

300

1.15

80 K

54s (cold) 30s (hot)

64.0 dB(A)

61.5

67.7

100% 66.0 70.2 70.4 25% 50% 0.60 0.64 0.57 Power Factor 75% 0.70 0.75 0.68 100% 0.75 0.79 0.74

Bearing type : 6203 2RS 6202 2RS Foundation loads
Sealing : V'Ring V'Ring Lubrication interval : - - - - - Foundation loads
Max. traction : 4 kgf
Max. compression : 10 kgf

400

80 K

54s (cold) 30s (hot)

65.0 dB(A)

55.0

62.0

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

25% 50%

75%

Notes

USABLE @208V SF 1.00

Breakdown torque [%]

Service factor

Noise level²

Temperature rise

Locked rotor time

Efficiency (%)

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	16/05/2022			1 / 4	

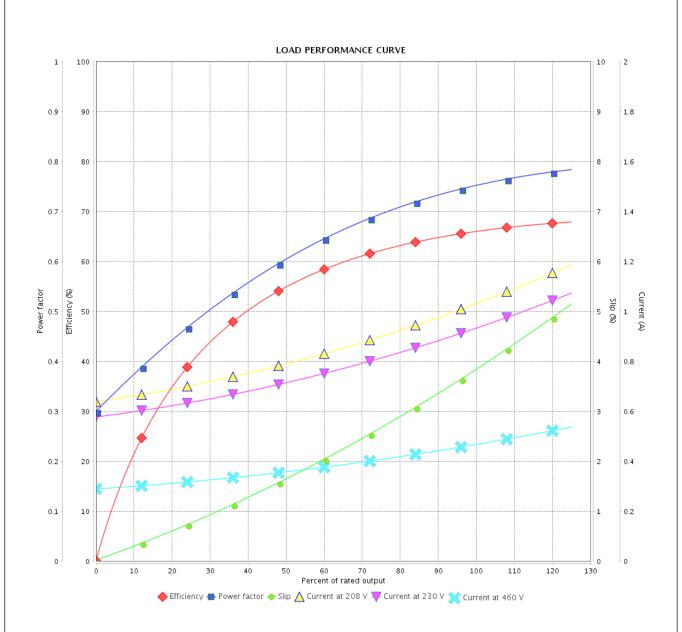
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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Customer	
Cusionici	

Product line : Jet Pump - J type Three-Phase Product code : 13721660



Performance		: 208-230/460 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 1.01-0.912/0.456 A : 7.4 : 0.052 kgfm : 350 % : 400 % : 3460 rpm	Moment of Duty cycle Insulation Service fa Temperat	class ector	: 0.0006 kgm² : Cont.(S1) : F : : 80 K		
Rev.		Changes Summary		Performed	Checked	Date	

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	16/05/2022			2/4	

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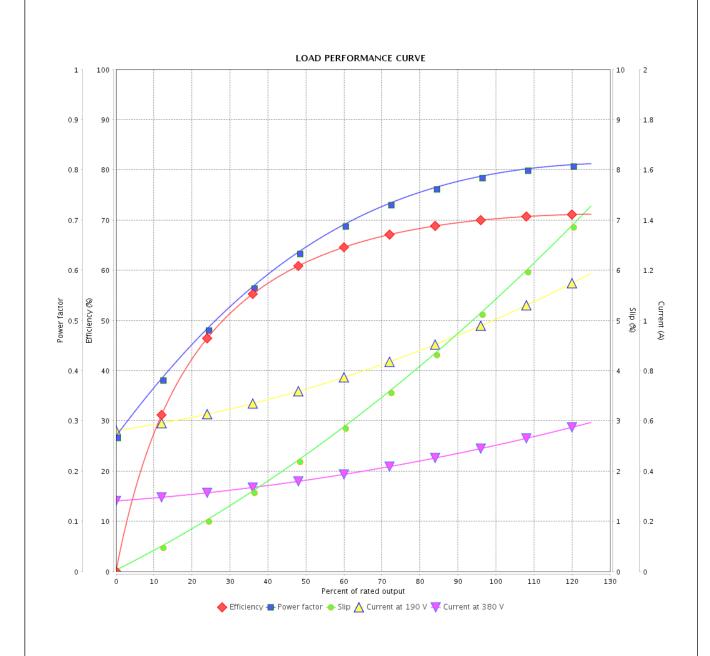
Three Phase Induction Motor - Squirrel Cage



Customer

Performed by

Product line : Jet Pump - J type Three-Phase Product code: 13721660



Performance	: 190/380 V 50 Hz 2P	: 190/380 V 50 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 0.986/0.493 A : 6.0 : 0.064 kgfm : 270 % : 300 % : 2835 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0006 kgm² : Cont.(S1) : F : 1.15 : 80 K			
Rev.	Changes Summary		Performed	Checked	Date		

Checked by			Page	Revision				
Date	16/05/2022		3 / 4					
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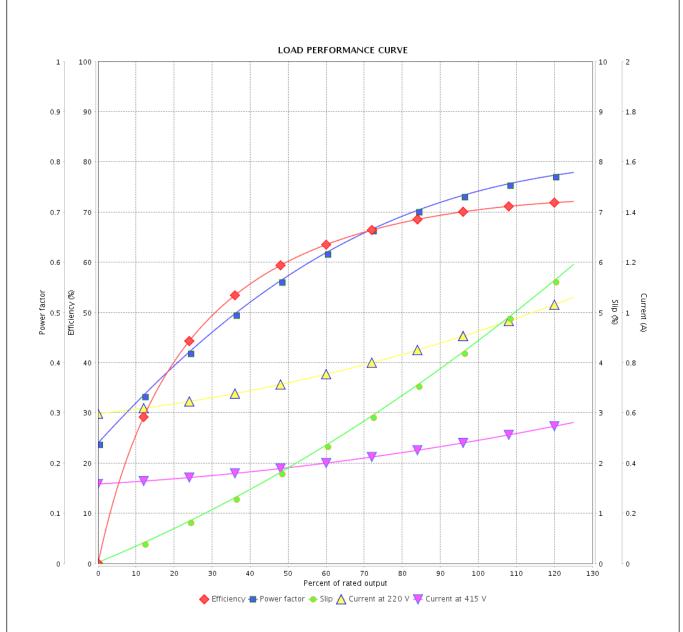
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Three Phase Induction Motor - Squirrel Cage



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Customer	
Cusionici	

Product line : Jet Pump - J type Three-Phase Product code : 13721660



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Performance		: 220/415 V 50 Hz 2P					
Rated current		: 0.907/0.481 A	Moment of inertia (J)		: 0.0006 kgm²		
LRC		: 6.8	Duty cycle		: Cont.(S1)		
Rated torque		: 0.063 kgfm	Insulation class		: F		
Locked rotor torque		: 330 %	Service factor		: 1.15		
Breakdown torque		: 370 %	Temperature rise		: 80 K		
Rated speed		: 2865 rpm					
Rev.		Changes Summary		Performed	Checked	Date	

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Rev.	Changes Summary		Performed	Checked	Date	
Performed by		I				
Checked by					Page	Revision
Date	16/05/2022	-			4/4	