DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code: 13722360 Frame : 56C Cooling method : IC411 - TEFC Insulation class Mounting : F : W-6 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 : 17.7 kg Protection degree : IP55 Moment of inertia (J) : 0.0054 kgm² Design : B Output [HP] 2 2 Poles 2 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 190/380 220/415 Rated current [A] 4.94/2.47 5.94/2.97 5.23/2.77 L. R. Amperes [A] 48.9/24.5 44.0/22.0 46.0/24.4 LRC [A] 8.8x(Code K) 9.9x(Code L) 7.4x(Code J) No load current [A] 2.13/1.06 2.10/1.05 2.27/1.20 Rated speed [RPM] 2875 2900 3520 Slip [%] 2.22 4.17 3.33 Rated torque [kgfm] 0.412 0.505 0.501 Locked rotor torque [%] 250 229 280 Breakdown torque [%] 300 280 340 Service factor 1.15 1.15 Temperature rise 80 K 80 K 80 K 21s (cold) 12s (hot) Locked rotor time 23s (cold) 13s (hot) 18s (cold) 10s (hot) Noise level² 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 25% 50% 82.5 84.0 83.3 Efficiency (%) 75% 85.5 84.6 84.9 84.5 100% 85.5 83.3 25% 0.73 0.79 0.73 50% Power Factor 75% 0.83 0.88 0.84 100% 0.89 0.92 0.89 Foundation loads Drive end Non drive end 6203 2RS Bearing type 6202 2RS Max. traction : 46 kgf Sealing V'Ring V'Ring Max. compression : 63 kgf Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 5.46A SF 1.00 SFA 5.46A

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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Three Phase Induction Motor - Squirrel Cage



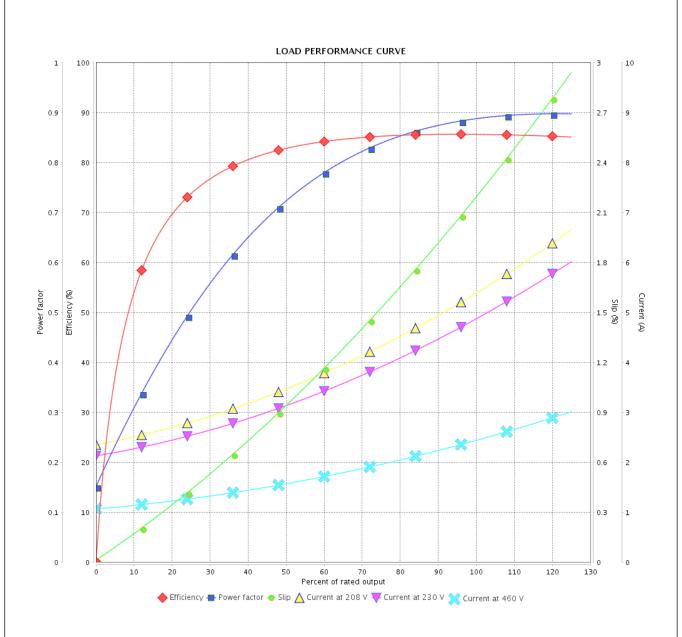
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Product line : Jet Pump - C type Three-Phase Product code : 13722360



Performance	: 2	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 9 : 0 : 1 : 2 : 3	.94/2.47 A 9.9 9.412 kgfm 950 % 900 % 9520 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ector	: 0.0054 kgm² : Cont.(S1) : F : : 80 K : B	
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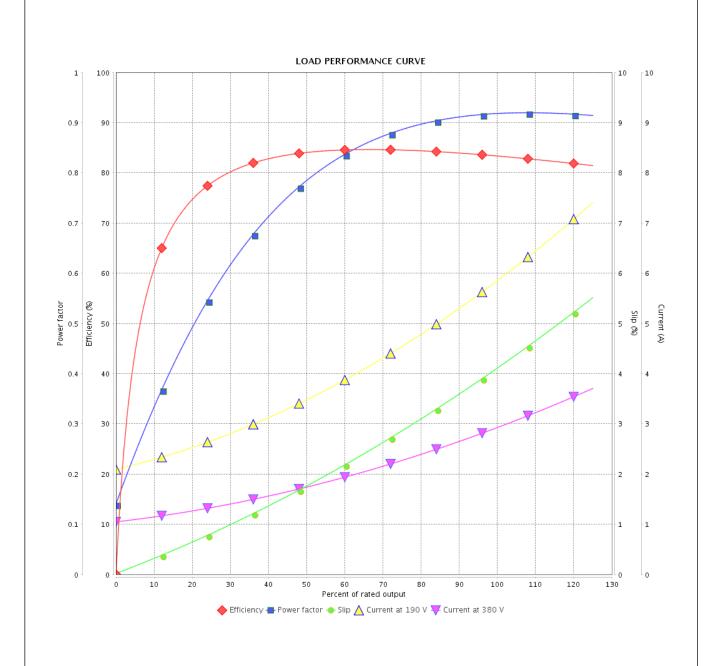
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 13722360



Performance	: 190/380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.94/2.97 A : 7.4 : 0.505 kgfm : 229 % : 280 % : 2875 rpm	Moment of ine Duty cycle Insulation clas Service factor Temperature r Design	ss	: 0.0054 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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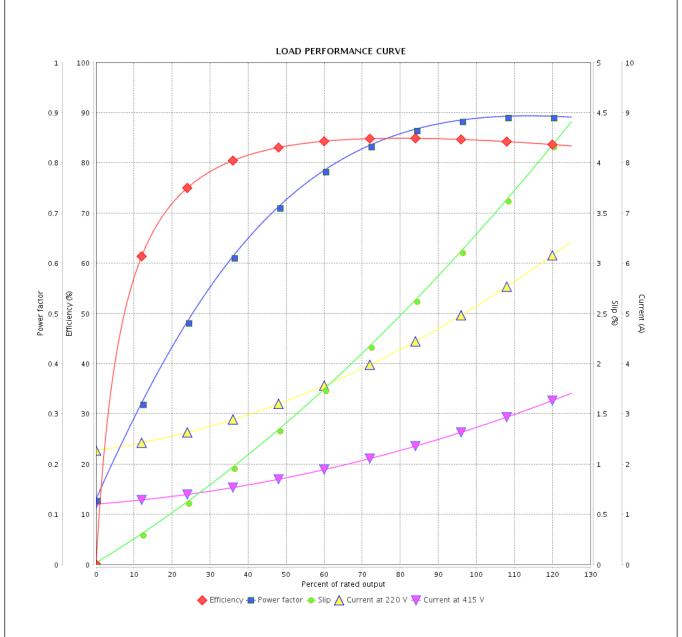
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Three Phase Induction Motor - Squirrel Cage



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Product line : Jet Pump - C type Three-Phase Product code : 13722360



	: 220/415 V 50 Hz 2P				
LRC : 8.8 Duty cycl Rated torque : 0.501 kgfm Insulation Locked rotor torque : 280 % Service f. Breakdown torque : 340 % Temperar		e class actor	: 0.0054 kgm ² : Cont.(S1) : F : 1.15 : 80 K : B	2	
	Changes Summary		Performed	Checked	Date
•		: 5.23/2.77 A : 8.8 : 0.501 kgfm ue : 280 % e : 340 % : 2900 rpm	: 5.23/2.77 A Moment of 2.8.8 Duty cycle 2.50.501 kgfm Insulation Service face 340 % Temperat 2.2900 rpm Design	: 5.23/2.77 A Moment of inertia (J) : 8.8 Duty cycle : 0.501 kgfm Insulation class ue : 280 % Service factor e : 340 % Temperature rise : 2900 rpm Design	: 5.23/2.77 A Moment of inertia (J) : 0.0054 kgm² : 8.8 Duty cycle : Cont.(S1) : 0.501 kgfm Insulation class : F ue : 280 % Service factor : 1.15 e : 340 % Temperature rise : 80 K : 2900 rpm Design : B

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