DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : General High Efficiency Three-Product code: 11996047

: 184TC Frame Cooling method : IC01 - ODP Insulation class Mounting : F

: F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Approx. weight³ Altitude : 1000 m.a.s.l. : 31.6 kg Protection degree : IP21 Moment of inertia (J) : 0.0069 kgm²

Design		: B	World of the	. 0.00	oo kgiii
Output [HP]		7.5	7.5	7.5	7.5
Poles		2	2	2	2
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		17.9/8.97	11.1	10.6	10.3
L. R. Amperes [A]		126/62.8	59.9	63.6	65.9
LRC [A]		7.0x(Code H)	5.4x(Code F)	6.0x(Code G)	6.4x(Code H)
No load current [A]	6.20/3.10	3.00	3.50	4.00
Rated speed [RPN	/]	3485	2835	2855	2870
Slip [%]		3.19	5.50	4.83	4.33
Rated torque [kgfm]		1.56	1.92	1.92 1.91	
Locked rotor torque [%]		220	150	180	190
Breakdown torque [%]		300	210	229	250
Service factor		1.15	1.00	1.00	1.00
Temperature rise		105 K	105 K	105 K	105 K
Locked rotor time		23s (cold) 13s (hot)	21s (cold) 12s (hot)	18s (cold) 10s (hot)	14s (cold) 8s (hot)
Noise level ²		65.0 dB(A)			
	25%				
Efficiency (%)	50%	86.5	85.5	85.5	85.5
Liliciency (70)	75%	87.5	85.5	85.5	86.5
	100%	87.5	84.0	84.0	85.5
	25%				
Power Factor	50%	0.75	0.78	0.74	0.70
1 OWCI I doloi	75%	0.84	0.87	0.85	0.82
	100%	0.88	0.90	0.89	0.87

Non drive end Foundation loads Drive end

Bearing type 6206 ZZ 6205 ZZ Max. traction : 83 kgf Sealing Without Without Max. compression : 115 kgf

Bearing Seal Bearing Seal

Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 19.8A SF 1.15 SFA 22.8A

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



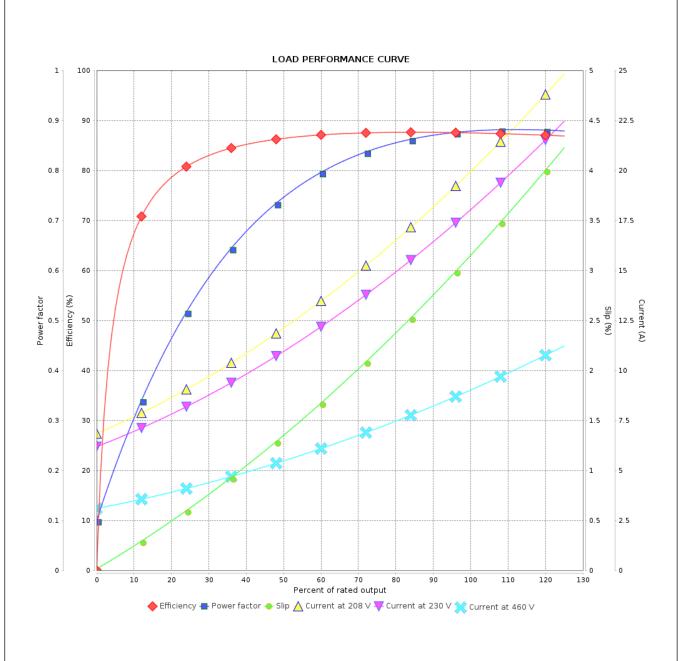
11996047

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Customer :

Product line : General High Efficiency Three- Product code :

Phase



Performance	: 230/460 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 17.9/8.97 A : 7.0 : 1.56 kgfm : 220 % : 300 % : 3485 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0069 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
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Date

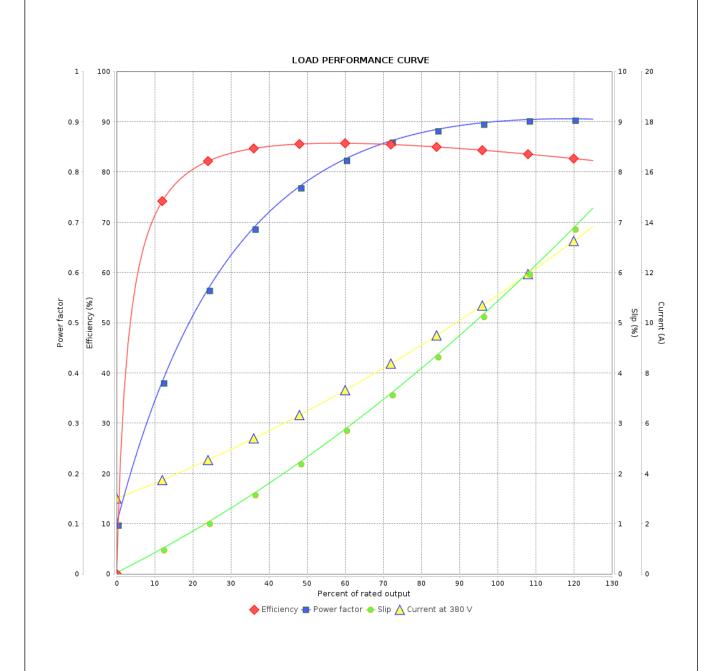
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three- Product code : 11996047

Phase



Performance : 380 V 50 Hz 2P : 11.1 A Rated current Moment of inertia (J) : 0.0069 kgm² **LRC** : 5.4 Duty cycle : Cont.(S1) : 1.92 kgfm : F Rated torque Insulation class Locked rotor torque : 150 % Service factor : 1.00 Breakdown torque : 210 % Temperature rise : 105 K Datad speed · 2025 rnm

Rated speed	. Z	835 rpm	Design		: В	
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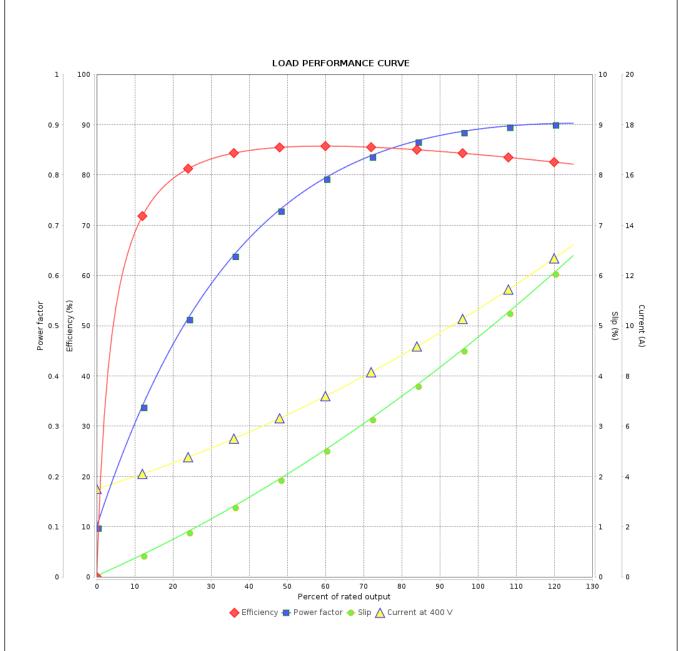


Customer :

Product line : General High Efficiency Three-

Product code:

11996047



Performance		: 400 V 50 Hz 2P				
Rated current		: 10.6 A	1	of inertia (J)	: 0.0069 kgm	2
LRC		: 6.0	Duty cyc		: Cont.(S1)	
Rated torque		: 1.91 kgfm	Insulatio		: F	
Locked rotor tord	•	: 180 %	Service		: 1.00	
Breakdown torqu	ıe	: 229 %		iture rise	: 105 K	
Rated speed		: 2855 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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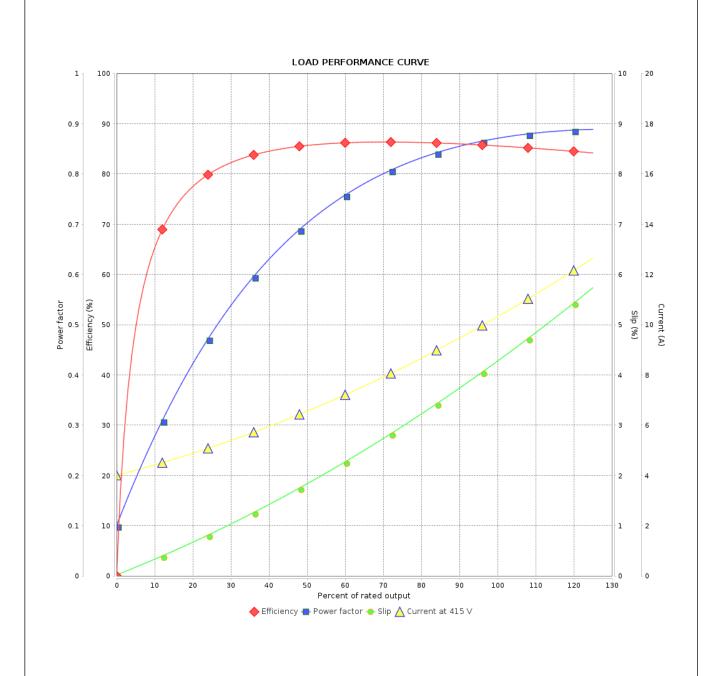
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Product line : General High Efficiency Three- Product code : 11996047

Phase



Performance	: 415 V 50 Hz 2P IE1					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 10.3 A : 6.4 : 1.90 kgfm : 190 % : 250 % : 2870 rpm	Moment of Duty cycle Insulation Service fa Temperati Design	class ctor	: 0.0069 kgm² : Cont.(S1) : F : 1.00 : 105 K : B		
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