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

Design		: B			(-)	J	
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)	5.4	x(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 [RPM	1]	3485		2835	2855	2870	
Slip [%]		3.19		5.50	4.83	4.33	
Rated torque [kgfn		1.56		1.92	1.91	1.90	
Locked rotor torqu		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	Locked rotor time		21s (co	old) 12s (hot)	18s (cold) 10s (hot)	14s (cold) 8s (hot)	
Noise level ²	Noise level ²						
	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	
I OWEI FACIOI	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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Performed by					
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Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

22/11/2024

Product line : General High Efficiency Three-

Product code:

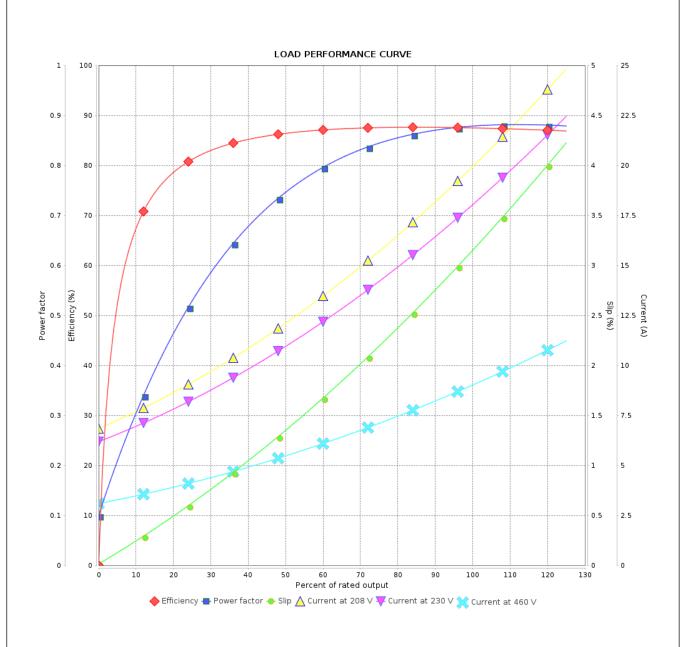
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Revision





Performance					
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	: 7.0 Duty cycle : 1.56 kgfm Insulation : 220 % Service fac : 300 % Temperatu		: 0.0069 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
Rev.			Performed	Checked	Date
Performed by					

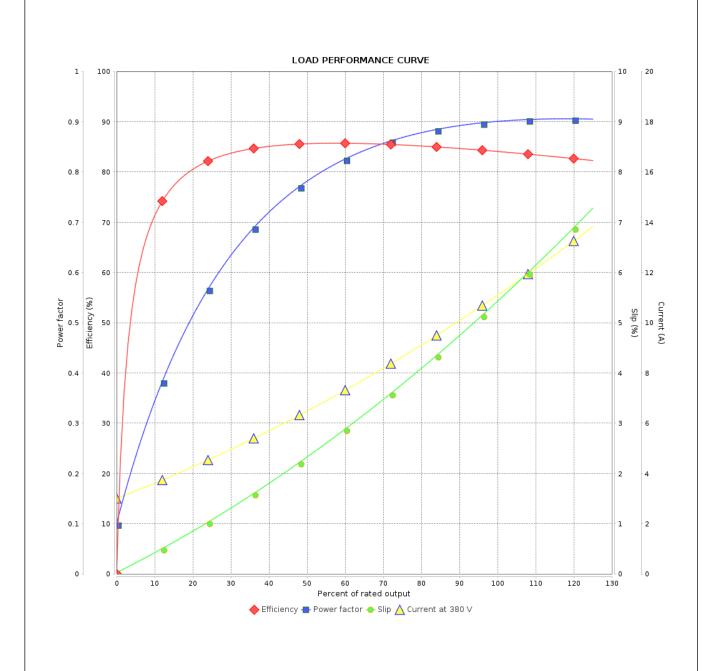
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Phase



: 11.1 A : 5.4 : 1.92 kgfm : 150 %	Duty cycle Insulation	class	: 0.0069 kgm ² : Cont.(S1) : F	2
: 1.92 kgfm	Insulation	class	: F ` ´	
•				
•	Sorvico fo	-4	. 4 00	
. 100 /0	Service factor		: 1.00	
: 210 %	Temperature rise		: 105 K	
: 2835 rpm	Design		: B	
Changes Summary		Performed	Checked	Date
_	: 2835 rpm	: 2835 rpm Design	: 2835 rpm Design	: 2835 rpm

Transa specia		. СС . Гр	2 55.3			
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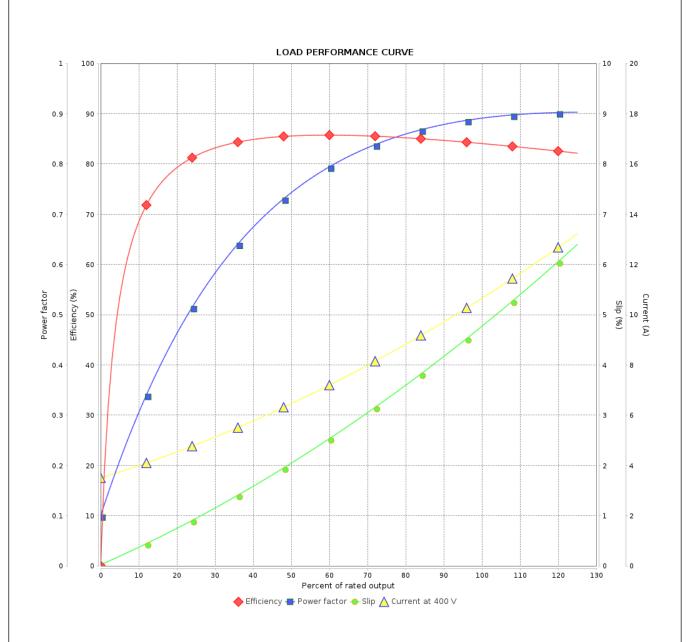
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Revision





Performance : 400 V 50 Hz 2P : 10.6 A : 0.0069 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.0 Insulation class : 1.91 kgfm : F Rated torque Locked rotor torque : 180 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 2855 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



Customer :

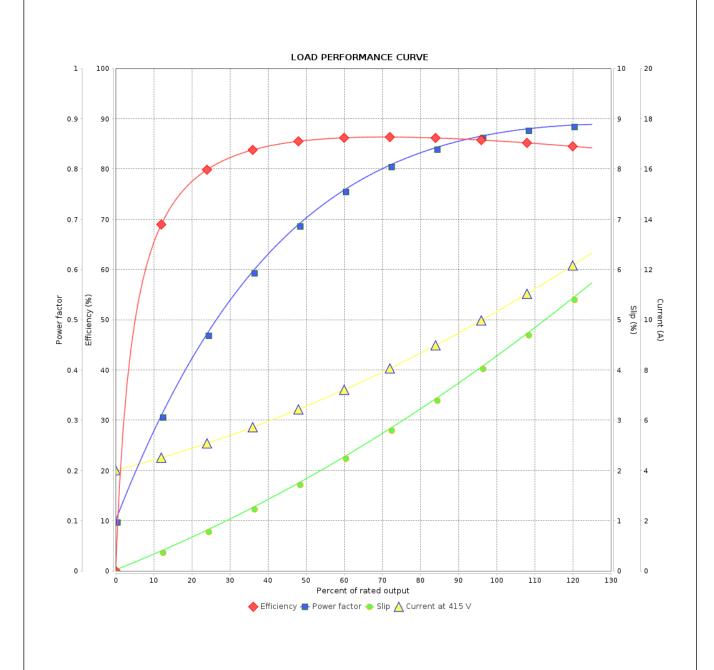
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Date

22/11/2024

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	: 6.4 Duty cycle : 1.90 kgfm Insulation : 190 % Service fa : 250 % Temperatu		class : F	
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Revision