DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13505147

: IC01 - ODP : 56H Cooling method Frame Mounting Insulation class : 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 : 15.0 kg : 0.0040 kgm² Design : A Moment of inertia (J) Output [HP] 3 2 2

Poles		2	2	2	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		7.78/3.89	6.30/3.15	6.02/3.19	
L. R. Amperes [A]		54.5/27.2	48.5/24.3	51.1/27.1	
LRC [A]		7.0x(Code J)	7.7x(Code J)	8.5x(Code L)	
No load current [A	.]	3.20/1.60	3.20/1.60	4.15/2.20	
Rated speed [RPN	Л]	3450	2875	2900	
Slip [%]		4.17	4.17	3.33	
Rated torque [kgfr	n]	0.631	0.505	0.501	
Locked rotor torque [%]		220	260	320	
Breakdown torque [%]		250	300	360	
Service factor			1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		14s (cold) 8s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level ²		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
	25%				
Efficiency (%)	50%	80.0	81.0	76.8	
Liliciency (70)	75%	81.5	82.8	80.7	
	100%	81.5	82.2	81.7	
	25%				
Power Factor	50%	0.70	0.69	0.56	
FOWEI FACIOI	75%	0.82	0.82	0.71	
	100%	0.87	0.88	0.80	

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6204 ZZ 6202 ZZ Max. traction : 50 kgf Sealing : Without Without Max. compression : 65 kgf

Bearing Seal Bearing Seal

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

Notes

USABLE @208V 8.60A SF 1.00 SFA 8.60A

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



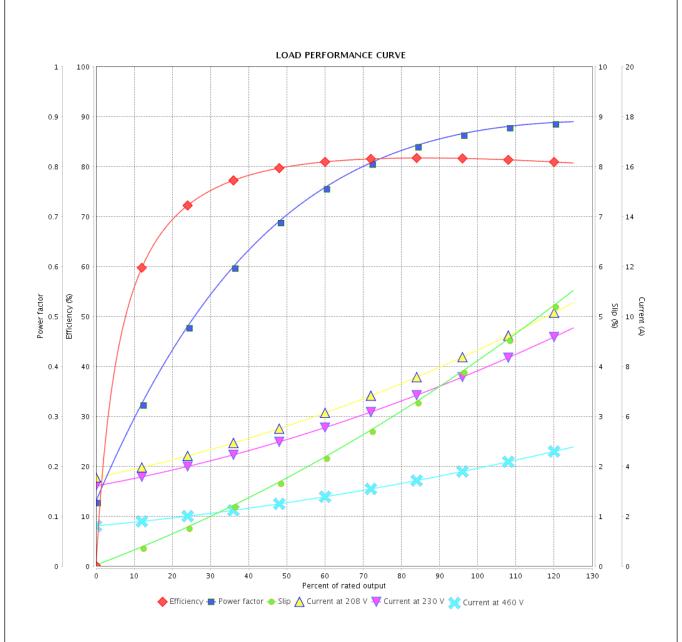
Customer :

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Date

17/05/2022

Product line : Standard Efficiency Three-Phase Product code : 13505147



			 				
Performance		: 230/460 V 60 Hz	2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 7.78/3.89 A : 7.0 : 0.631 kgfm : 220 % : 250 % : 3450 rpm	Dut Ins Sei Ter	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0040 kgm² : Cont.(S1) : F : : 80 K : A	
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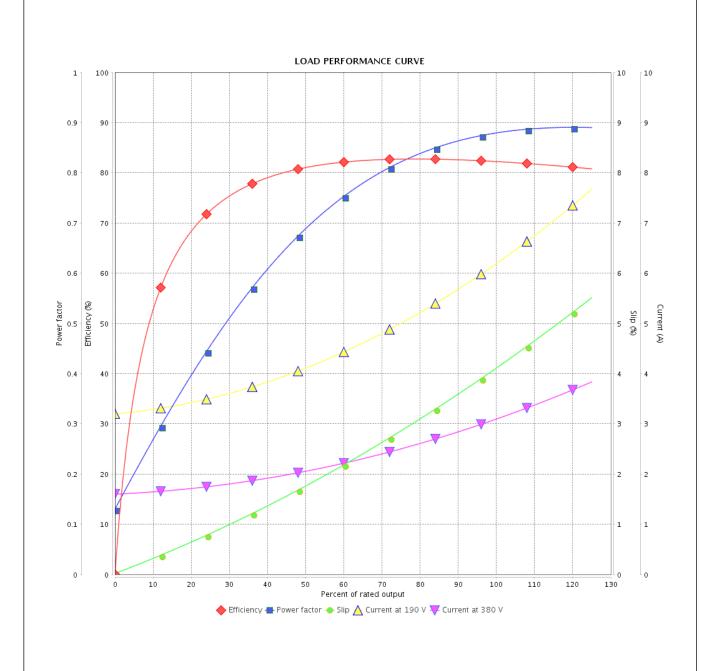
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Customer :

Product line : Standard Efficiency Three-Phase Product code : 13505147



Day	Changas Cummani		Dorformed	Chaolad	Data
Rated speed	: 2875 rpm	Design		: A	
Breakdown torque	: 300 %	Temperatu	re rise	: 80 K	
Locked rotor torque	: 260 %	Service fac	ctor	: 1.15	
Rated torque	: 0.505 kgfm	Insulation of	class	: F	
LRC	: 7.7	Duty cycle		: Cont.(S1)	
Rated current	: 6.30/3.15 A	Moment of	inertia (J)	: 0.0040 kgm	2
Performance	: 190/380 V 50 Hz 2P				

Raieu speeu	. 20	575 Ipili	Design		. A	
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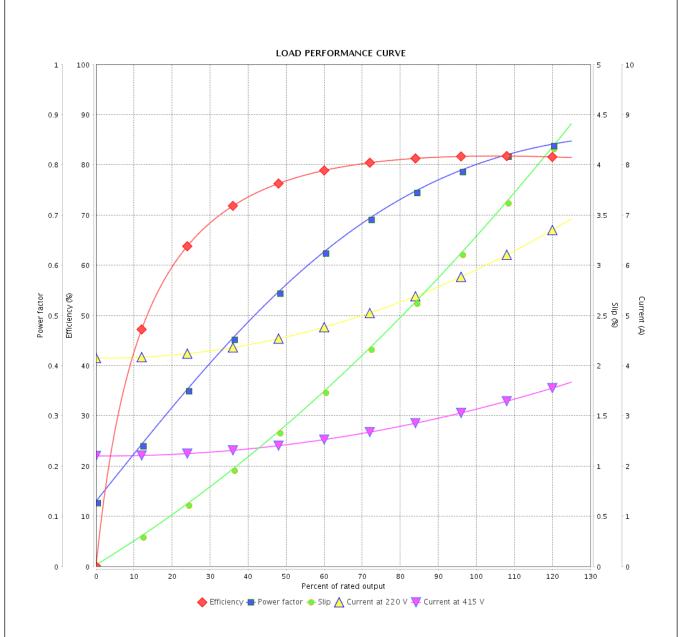
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Product line : Standard Efficiency Three-Phase Product code : 13505147



Performance	: 220/415 V 50 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.02/3.19 A : 8.5 : 0.501 kgfm : 320 % : 360 % : 2900 rpm	Moment of inertia (J) : 0.0040 kgm² Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.15 Temperature rise : 80 K Design : A		: F : 1.15 : 80 K		
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