DATA SHEET

Customer

Three Phase Induction Motor - Squirrel Cage



Product line : NEMA Premium Efficiency Three- Product code : 14019506

Phase

Frame : 143/5TC Cooling method : IC01 - ODP
Insulation class : F Mounting : W-6
Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)

Duty cycle		: Cont.(S1)	Rotation.	: Both (CVV and CCVV)	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 16.5 kg	
Design		: B	Moment of inertia (J)	: 0.0049 kgm²	
Output [HP]		2	2	2	
Poles		2	2	2	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		4.84/2.42	5.82/2.91	5.26/2.79	
L. R. Amperes [A]		43.1/21.5	40.2/20.1	40.0/21.2	
LRC [A]		8.9x(Code K)	6.9x(Code H)	7.6x(Code J)	
No load current [A	.]	1.83/0.917	1.81/0.906	1.84/0.978	
Rated speed [RPI	И]	3510	2890	2900	
Slip [%]		2.50	3.67	3.33	
Rated torque [kgfr		0.414	0.502	0.501	
Locked rotor torqu		220	180	200	
Breakdown torque [%]		330	250	280	
Service factor			1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		25s (cold) 14s (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%	83.7	85.5	85.4	
Efficiency (%)	50%	84.0	85.0	84.7	
Efficiency (%)	75%	85.5	85.1	85.4	
	100%	85.5	84.2	84.3	
	25%	0.49	0.56	0.52	
Power Factor	50%	0.77	0.83	0.80	
i Owei i acioi	75%	0.86	0.90	0.88	
	100%	0.91	0.93	0.92	

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

Bearing type : 6205 ZZ 6203 ZZ Max. traction : 31 kgf Sealing : Without Without Max. compression : 48 kgf

Bearing Seal Bearing Seal

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

Notes

USABLE @208V 5.35A SF 1.00 SFA 5.35A

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	11/05/2022			1 / 4	

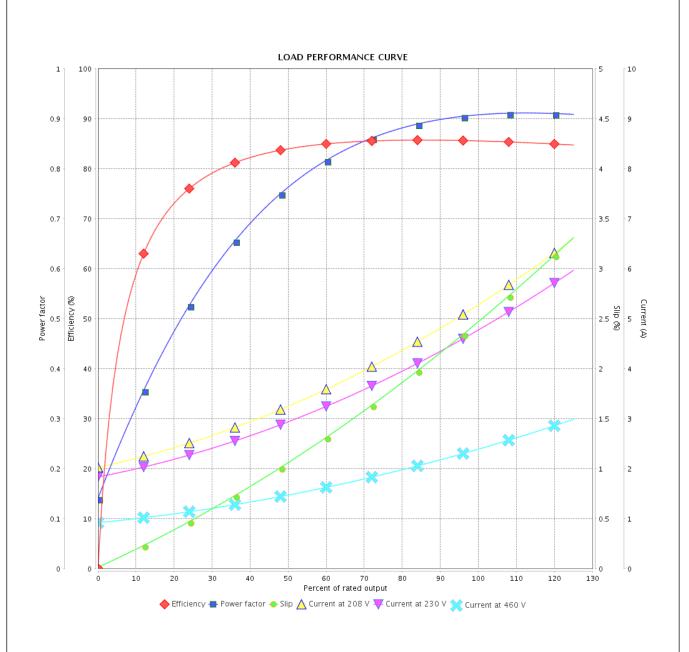
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Customer

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Performance	: 2	30/460 V 60 Hz 2P				
Rated current		.84/2.42 A Moment of inertia		finertia (J) : 0.0049 k		2
LRC : 8		3.9	Duty cycle	Duty cycle		
Rated torque : 0		0.414 kgfm Insulation class		:F		
•		20 %	Service fa	Service factor		
Breakdown torque :		30 %	Temperat	Temperature rise		
Rated speed		510 rpm Design		: B		
Rev.		Changes Summary	,	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	11/05/2022	1			2/4	

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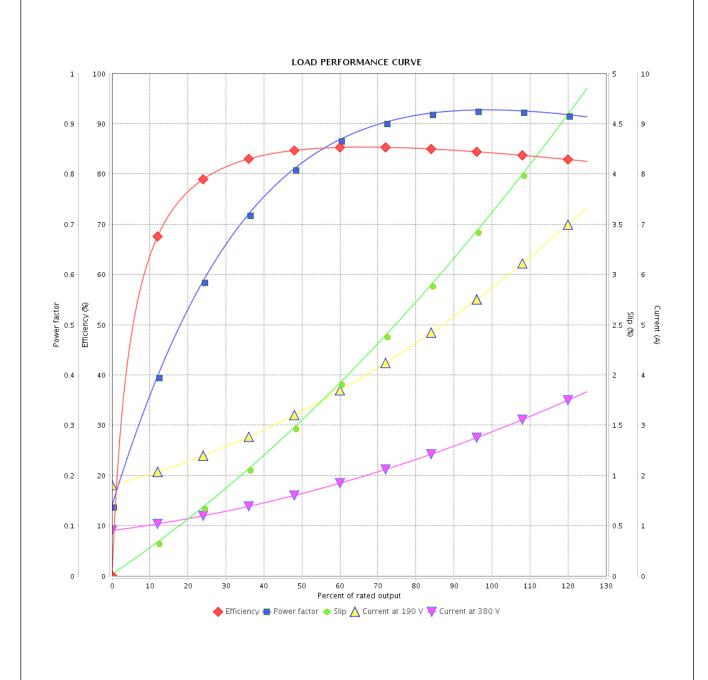
Three Phase Induction Motor - Squirrel Cage



Customer :

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Phase



Performance	: 190/380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.82/2.91 A : 6.9 : 0.502 kgfm : 180 % : 250 % : 2890 rpm	Moment of Duty cycle Insulation of Service fact Temperatu Design	class	: 0.0049 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

3/4

11/05/2022

Date

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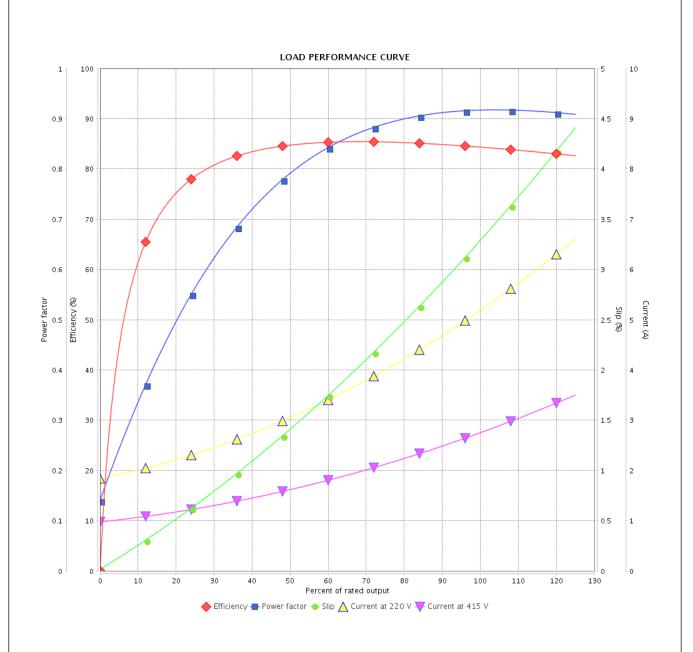
Three Phase Induction Motor - Squirrel Cage



Customer :

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Phase



Performance	: 220/415 V 50 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.26/2.79 A : 7.6 : 0.501 kgfm : 200 % : 280 % : 2900 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0049 kgm ² : Cont.(S1) : F : 1.15 : 80 K : B	2
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

4/4

11/05/2022

Date