### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12630851

Phase

Frame : 213/5T Cooling method : IC411 - TEFC Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW)
Ambient temperature : -20°C to +40°C Starting method : Direct On Line
Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 60.8 kg

Altitude : 1000 m.a.s.l. Approx. weight³ : 60.8 kg

Protection degree : IP55 Moment of inertia (J) : 0.0232 kgm²

- i Totection degree		. 11 00	Montent of mertia (0)	. 0.0202 Kgm	
Design		: B			
Output [HP]		7.5	7.5	7.5	
Poles		2	2	2	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		17.3/8.67	21.2/10.6	19.1/10.1	
L. R. Amperes [A]		132/65.9	134/66.8	133/70.7	
LRC [A]		7.6x(Code H)	6.3x(Code G)	7.0x(Code H)	
No load current [A	]	6.63/3.32	6.54/3.27	6.64/3.52	
Rated speed [RPN	<b>/</b> 1]	3530	2905	2915	
Slip [%]		1.94	3.17	2.83	
Rated torque [kgfr	n]	1.54	1.87	1.87	
Locked rotor torque [%]		260	190	220	
Breakdown torque [%]		300	240	270	
Service factor		1.15	1.00	1.00	
Temperature rise		80 K	105 K	80 K	
Locked rotor time		27s (cold) 15s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level <sup>2</sup>		70.0 dB(A)	67.0 dB(A)	67.0 dB(A)	
	25%	86.4	89.8	89.4	
Efficiency (%)	50%	87.5	88.6	88.6	
Efficiency (%)	75%	88.5	88.4	88.8	
	100%	89.5	86.9	87.7	
	25%	0.49	0.54	0.51	
Power Factor	50%	0.76	0.81	0.78	
1 OWELL ACIOI	75%	0.85	0.88	0.87	
	100%	0.89	0.91	0.90	

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

Bearing type : 6208 ZZ 6206 ZZ Max. traction : 62 kgf
Sealing : V'Ring Without Max. compression : 123 kgf

Bearing Seal

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

Notes

USABLE @208V 19.2A SF 1.00 SFA 19.2A

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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Rev.		Changes Summary	•	Performed	Checked	Date
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Checked by					Page	Revision
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# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



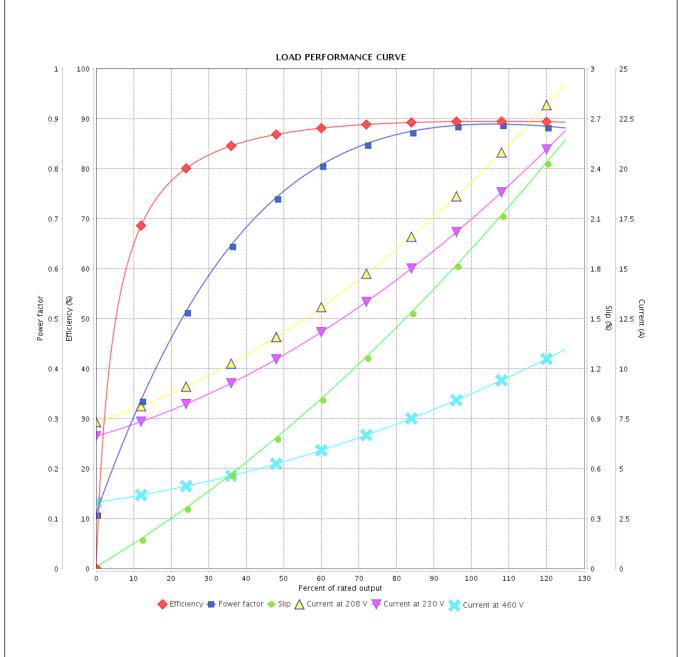
12630851

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Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase



Performance	: 23	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7. : 1. que : 26	7.3/8.67 A 6 54 kgfm 60 % 00 % 530 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0232 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Checked by					Page	Revision

13/05/2022

Date

# LOAD PERFORMANCE CURVE

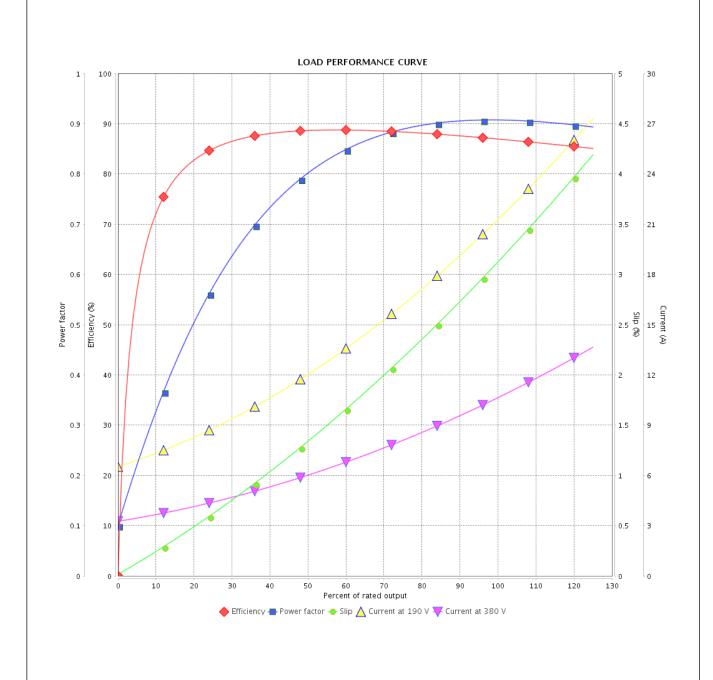
### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12630851

Phase



Performance	:	190/380 V 50 Hz 2P					
Rated current		21.2/10.6 A	Moment of inertia (J)		: 0.0232 kgm²		
LRC		6.3	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque		1.87 kgfm	Insulation	Insulation class		: F	
Locked rotor torque	cked rotor torque : 190 %		Service fa	Service factor			
Breakdown torque	:	240 %	Temperati	Temperature rise		: 105 K	
Rated speed	:	2905 rpm	Design		: B		
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## LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



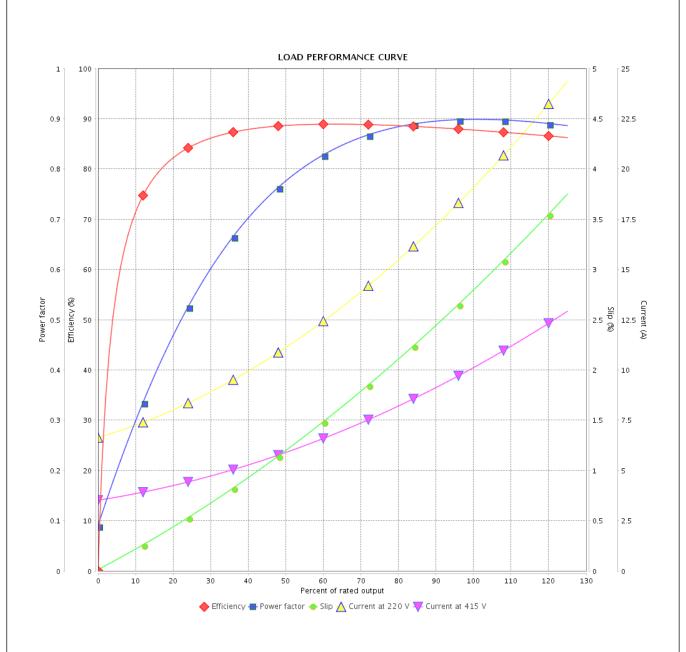
Customer :

Date

13/05/2022

Product line : NEMA Premium Efficiency Three- Product code : 12630851

Phase



Performance : 220/415 V 50 Hz 2P : 19.1/10.1 A Rated current Moment of inertia (J) : 0.0232 kgm<sup>2</sup> **LRC** Duty cycle : Cont.(S1) : 7.0 Insulation class Rated torque : 1.87 kgfm : F Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 2915 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

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