DATA SHEET

Customer

Three Phase Induction Motor - Squirrel Cage



Product line : NEMA Premium Efficiency Three- Product code : 12674849

Phase

Frame : 213/5T Cooling method : IC01 - ODP Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)

Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Ambient temperature		20 0 10 1 40 0	otarting inctriod	. Direct Off Life	
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 53.1 kg	
Design		: B	Moment of inertia (J)	: 0.0433 kgm²	
Output [HP]		7.5	7.5	7.5	
Poles		4	4	4	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		18.5/9.25	22.2/11.1	20.0/10.6	
L. R. Amperes [A]		133/66.6	129/64.4	130/68.9	
LRC [A]		7.2x(Code H)	5.8x(Code G)	6.5x(Code H)	
No load current [A	.]	8.79/4.39	8.64/4.32	8.88/4.71	
Rated speed [RPM]		1770	1455	1460	
Slip [%]		1.67	3.00	2.67	
Rated torque [kgfr	n]	3.08	3.74	3.73	
Locked rotor torque [%]		240	170	190	
Breakdown torque	: [%]	320	229	250	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		23s (cold) 13s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level ²		59.0 dB(A)	56.0 dB(A)	56.0 dB(A)	
	25%	88.6	90.4	89.6	
Efficiency (%)	50%	89.5	88.9	88.6	
Elliciency (70)	75%	90.2	88.5	88.7	
	100%	91.0	86.7	87.4	
	25%	0.39	0.46	0.42	
Power Factor	50%	0.65	0.73	0.69	
Power Factor	75%	0.77	0.83	0.80	

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

0.87

Bearing type : 6208 ZZ 6206 ZZ Max. traction : 146 kgf Sealing : Without Without Max. compression : 199 kgf

0.82

Bearing Seal Bearing Seal Lubrication interval : - -

Lubricant amount : - - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 20.5A SF 1.00 SFA 20.5A

100%

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.

0.86

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Three Phase Induction Motor - Squirrel Cage



Customer :

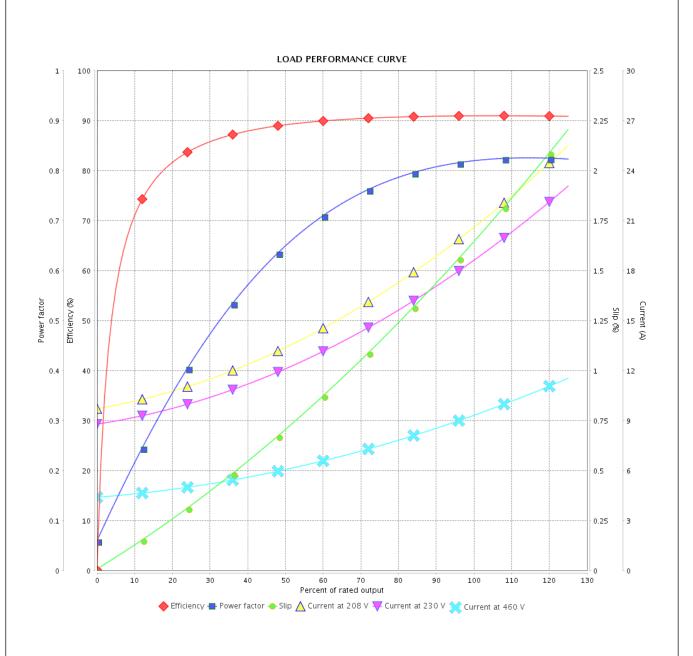
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Date

13/05/2022

Product line : NEMA Premium Efficiency Three- Product code : 12674849

Phase



Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 18.5/9.25 A : 7.2 : 3.08 kgfm : 240 % : 320 % : 1770 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 0.0433 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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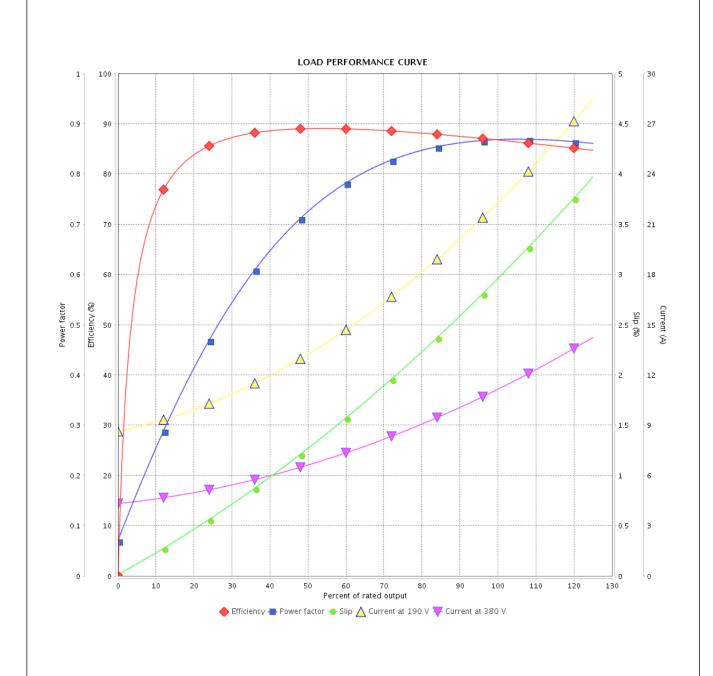
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674849

Phase



Performance	: 19	90/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 22.2/11.1 A : 5.8 : 3.74 kgfm : 170 % : 229 % : 1455 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		e class class	: 0.0433 kgm² : Cont.(S1) : F : 1.15	
				: 80 K : B		
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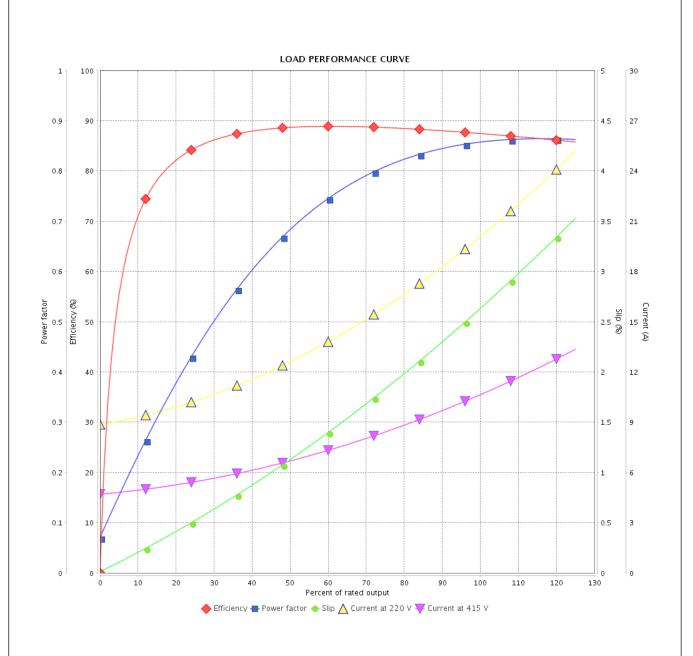
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674849

Phase



Performance	: 220/415 V 50 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.0/10.6 A : 6.5 : 3.73 kgfm : 190 % : 250 % : 1460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0433 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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