DATA SHEET

Customer

Poles

Frequency [Hz]

Three Phase Induction Motor - Squirrel Cage



2

50

Product line : NEMA Premium Efficiency Three-Product code: 15584459

: 182/4TC Cooling method Frame : IC411 - TEFC Insulation class Mounting : W-12 : F

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 : 33.6 kg

2

50

Protection degree : IP55

Moment of inertia (J) : 0.0066 kgm² Design : B Output [HP] 3 3 3

2

60

	230/460	190-220/380	415	
	7.34/3.67	8.70-7.51/4.35	4.07	
	64.6/32.3	60.0-51.8/30.0	33.4	
	8.8x(Code K)	6.9x(Code H)	8.2x(Code J)	
]	3.22/1.61	3.18-2.74/1.59	1.80	
/ 1]	3515	2885	2910	
	2.36	3.83	3.00	
n]	0.619	0.755	0.748	
e [%]	220	180	229	
[%]	300	280	340	
	1.15	1.15	1.15	
	80 K	80 K	80 K	
	39s (cold) 22s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
	68.0 dB(A)	65.0 dB(A)	65.0 dB(A)	
25%				
50%	84.0	85.9	85.5	
75%	86.5	86.5	86.9	
100%	86.5	85.3	86.5	
25%				
50%	0.71	0.77	0.71	
75%	0.82	0.86	0.82	
100%	0.87	0.90	0.87	
	25% 50% 75% 100% 25% 50% 75%	7.34/3.67 64.6/32.3 8.8x(Code K) 3.22/1.61 M] 3515 2.36 n] 0.619 e [%] 220 [%] 300 1.15 80 K 39s (cold) 22s (hot) 68.0 dB(A) 25% 50% 84.0 75% 86.5 100% 86.5 25% 50% 0.71 75% 0.82	7.34/3.67 8.70-7.51/4.35 64.6/32.3 60.0-51.8/30.0 8.8x(Code K) 6.9x(Code H) 3.22/1.61 3.18-2.74/1.59 M] 3515 2885 2.36 3.83 n] 0.619 0.755 e [%] 220 180 [%] 300 280 1.15 1.15 1.15 80 K 80 K 80 K 39s (cold) 22s (hot) 0s (cold) 0s (hot) 68.0 dB(A) 65.0 dB(A) 25% 86.5 86.5 100% 86.5 85.3 25% 0.71 0.77 75% 0.82 0.86	

Non drive end Foundation loads Drive end

Bearing type 6206 ZZ 6205 ZZ Max. traction : 36 kgf Sealing V'Ring Without Max. compression : 70 kgf

Bearing Seal Lubrication interval Lubricant amount

Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 8.12A SF 1.00 SFA 8.12A

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.

(4) / (100 / 00) 10	iii ioaa.				
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

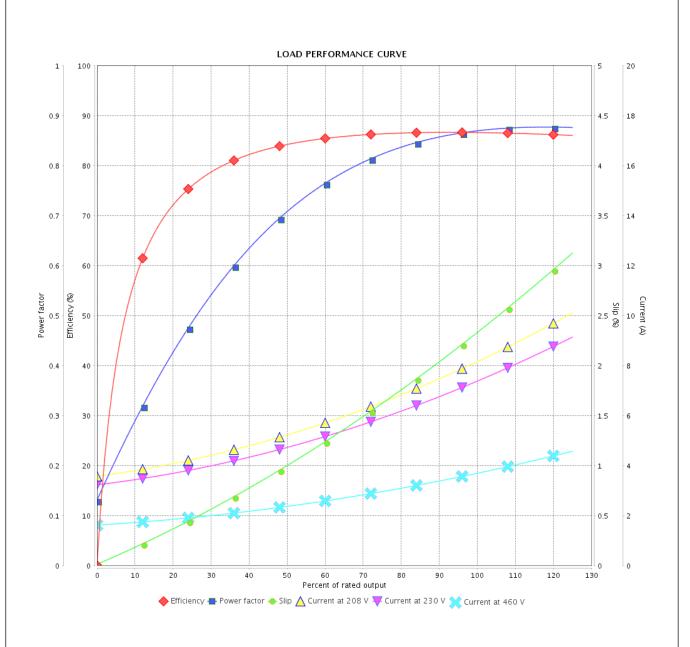
Checked by

Date

11/05/2022

Product line : NEMA Premium Efficiency Three- Product code : 15584459

Phase



Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.34/3.67 A : 8.8 : 0.619 kgfm : 220 % : 300 % : 3515 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0066 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Revision

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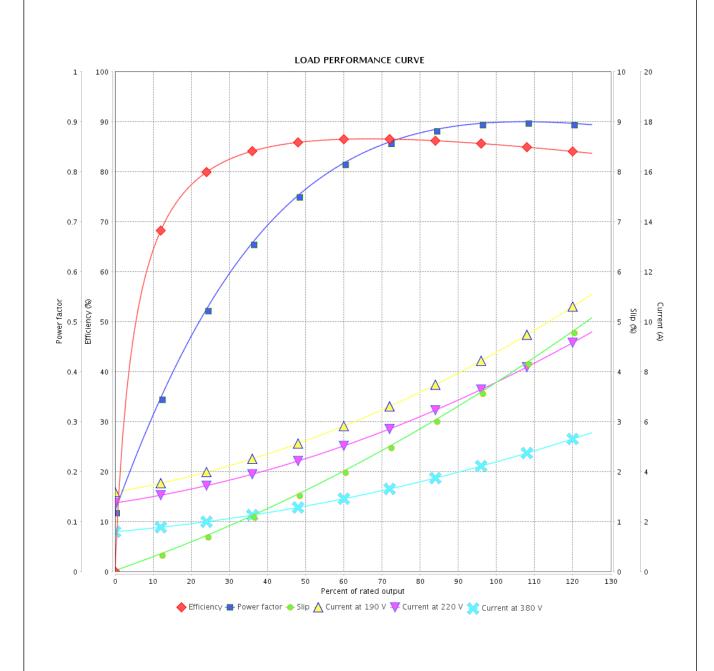
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 15584459

Phase



Performance	: 190-220/380 V 50 Hz 2P				
Rated current	ed current : 8.70-7.51/4.35 A Moment of inertia (J)		Moment of inertia (J) : 0.0066 kgm²		
LRC	: 6.9	Duty cycle Insulation class Service factor Temperature rise		: Cont.(S1) : F : 1.15	
Rated torque	: 0.755 kgfm				
Locked rotor torque	: 180 %				
Breakdown torque	: 280 %			: 80 K	
Rated speed	: 2885 rpm	Design		: B	
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Date

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Three Phase Induction Motor - Squirrel Cage

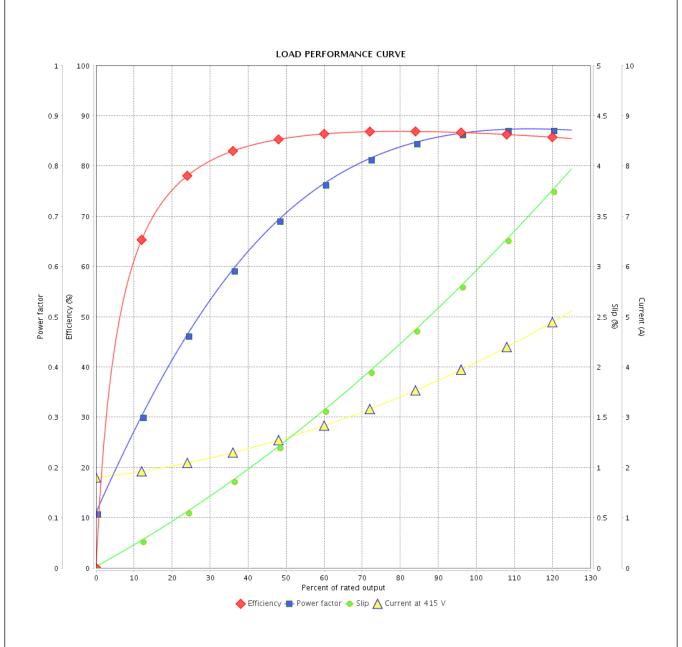


Customer :

Checked by

Product line : NEMA Premium Efficiency Three- Product code : 15584459

Phase



Performance : 415 V 50 Hz 2P : 0.0066 kgm² Rated current : 4.07 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 8.2 : 0.748 kgfm Insulation class Rated torque : F Locked rotor torque : 229 % Service factor : 1.15 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 2910 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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