DATA SHEET

Three Phase Induction Motor - Squirrel Cage



20

4

50

415

0.81

Customer

Poles

Frequency [Hz]

Rated voltage [V]

Product line : ODP High Efficiency Three-Phase Product code: 11996595

Frame : 256TC Cooling method : IC01 - ODP Insulation class Mounting : F-1 : F

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line

4

50

380

4

50

400

0.78

Altitude : 1000 m.a.s.l. Approx. weight3 : 0.0 kg

: IP23 Moment of inertia (J) : 0.0778 kgm² Protection degree Design : B 20 20 Output [HP] 20

4

60

230/460

0.81

Rated current [A]		51.0/25.5	31.0	31.7	30.6
L. R. Amperes [A]		286/143	115	130	138
LRC [A]		5.6x(Code G)	3.7x(Code C)	4.1x(Code E)	4.5x(Code E)
No load current [A	\]	21.8/10.9	11.1	12.4	13.7
Rated speed [RPI	M]	1765	1440	1450	1455
Slip [%]		1.94	4.00	3.33	3.00
Rated torque [kgfr	n]	8.22	10.1	10.0	9.98
Locked rotor torqu	ıe [%]	229	160	180	200
Breakdown torque	e [%]	250	160	180	200
Service factor		1.15	1.00	1.00	1.00
Temperature rise		105 K	105 K	105 K	105 K
Locked rotor time		21s (cold) 12s (hot)	27s (cold) 15s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)
Noise level ²		60.0 dB(A)			
	25%				
Efficiency (%)	50%	90.2	87.5	87.5	87.5
Liliciency (70)	75%	91.0	88.5	88.5	88.5
	100%	91.0	87.5	87.5	88.5
	25%				
Power Factor	50%	0.64	0.72	130 4.1x(Code E) 12.4 1450 3.33 10.0 180 180 10.0 105 K 105	0.64
FOWEI FACIOI	75%	0.75	0.81	0.74	0.76

Drive end Foundation loads Non drive end

0.84

6309 Z C3 6209 Z C3 Bearing type Max. traction : 314 kgf Sealing Without Without Max. compression : 314 kgf

Bearing Seal Bearing Seal Lubrication interval 20000 h 20000 h

Lubricant amount 9 g Mobil Polyrex EM Lubricant type

Notes

USABLE @208V 56.4A SF 1.15 SFA 64.9A

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.

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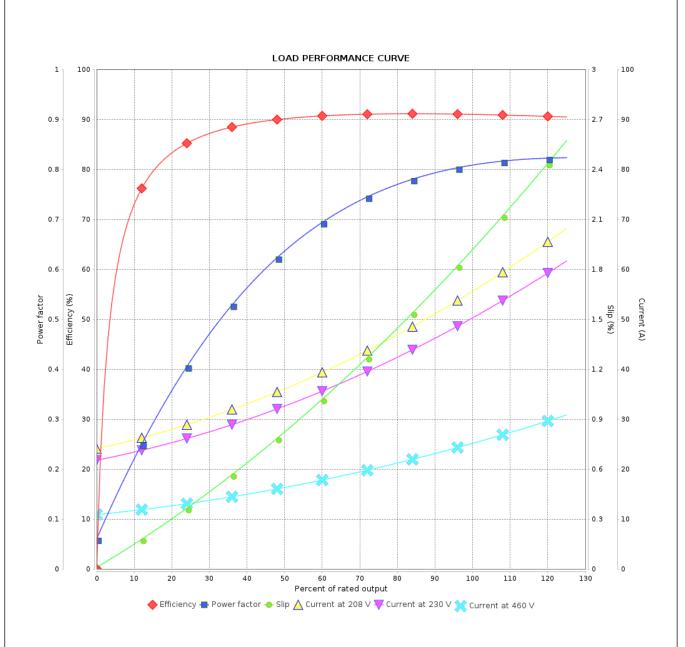
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Customer	
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Checked by

Date

24/08/2025

Product line : ODP High Efficiency Three-Phase Product code : 11996595



Performance		: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 51.0/25.5 A : 5.6 : 8.22 kgfm : 229 % : 250 % : 1765 rpm	Moment of Duty cycl Insulation Service fa Temperat Design	class actor	: 0.0778 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
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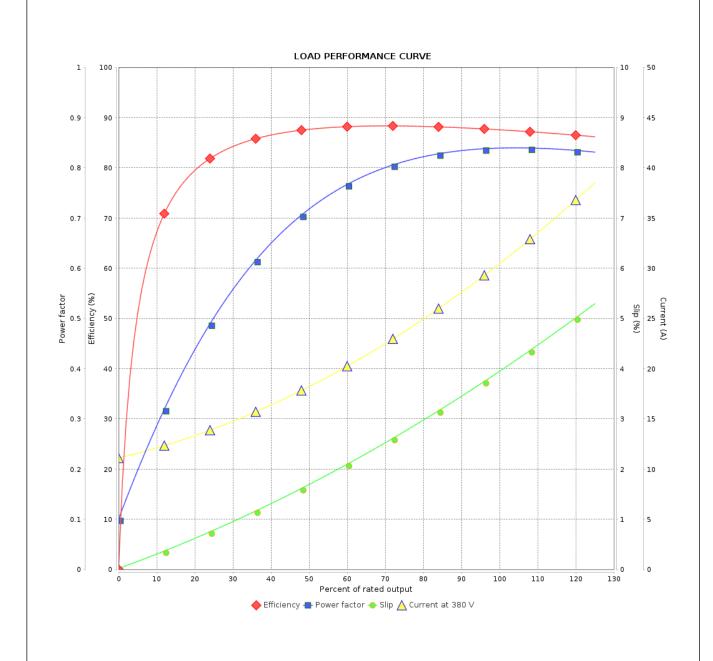
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11996595



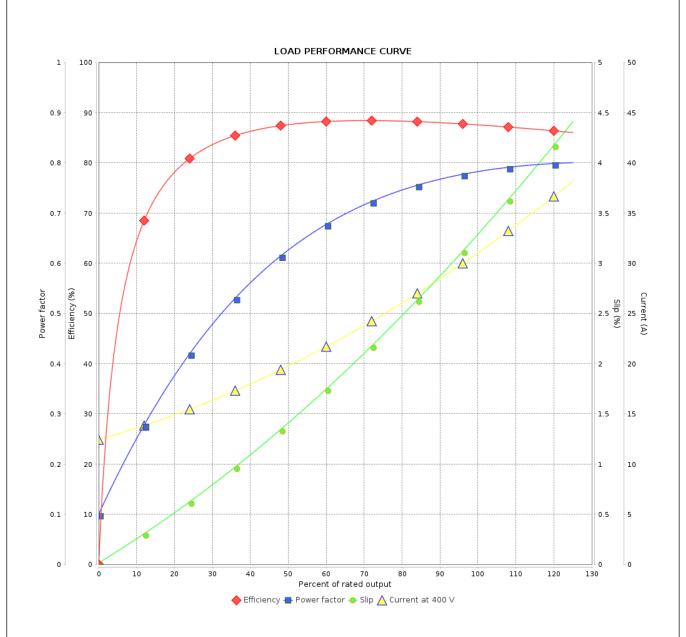
Performance	: 38	30 V 50 Hz 4P				
Rated current		1.0 A			: 0.0778 kgm²	2
LRC Rated torque	: 3.	<i>r</i>).1 kgfm	Duty cycle		: Cont.(S1) : F	
Locked rotor torque		60 %	Insulation class Service factor		. r : 1.00	
Breakdown torque	e : 16	60 %	Temperature rise		: 105 K	
Rated speed	: 14	140 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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Customer	

Product line : ODP High Efficiency Three-Phase Product code : 11996595



Performance		: 400 V 50 Hz 4P					
Rated current LRC		: 31.7 A : 4.1	Moment of inertia (J)		Moment of inertia (J) : 0.0778 kgm² Duty cycle : Cont.(S1)		2
Rated torque	7110	: 10.0 kgfm Insulation class		\ , ,			
		Temperature rise : 105 K					
Rated speed		: 1450 rpm	Design		: B		
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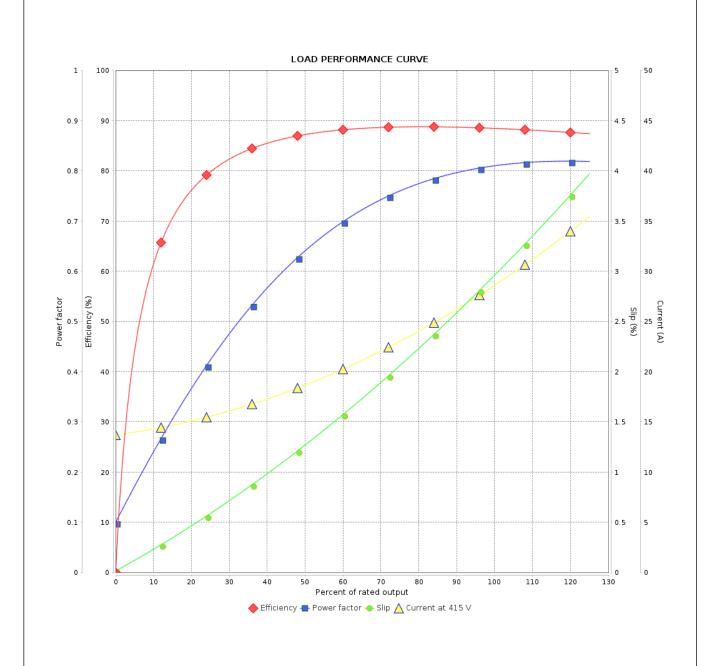
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11996595



Performance	: 415 V 50 H	Iz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqui Rated speed		Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0778 kgm² : Cont.(S1) : F : 1.00 : 105 K	
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