DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : ODP NEMA Premium Efficiency Product code: 11997391

Three-Phase

: 324TC Frame Cooling method : IC01 - ODP Insulation class Mounting : F : F-1

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 : 218 kg

Protection degree		: IP23		Momer	nt of inertia (J)	: 0	.2551 kgm ²	
Design		: B						
Output [HP]		40	30	30	30	40	40	40
Poles		4	4	4	4	4	4	4
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		96.4/48.2	42.8	41.6	41.1	58.1	55.8	54.4
L. R. Amperes [A]		598/299	270	291	312	279	301	321
LRC [A]		6.2x(Code G)	6.3x(Code G)	7.0x(Code H)	7.6x(Code J)	4.8x(Code E)	5.4x(Code F)	5.9x(Code G)
No load current [A]		37.0/18.5	15.4	16.8	18.1	15.4	16.8	18.1
Rated speed [RPM	1]	1775	1475	1475	1480	1465	1470	1475
Slip [%]		1.39	1.67	1.67	1.33	2.33	2.00	1.67
Rated torque [kgfm	ո]	16.4	14.8	14.8	14.7	19.8	19.7	19.7
Locked rotor torque	e [%]	220	240	270	290	180	200	220
Breakdown torque	[%]	229	340	370	400	250	280	300
Service factor		1.15	1.15	1.15	1.15	1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K	80 K	80 K	80 K	80 K
Locked rotor time		50s (cold)	36s (cold)	32s (cold)	30s (cold)	36s (cold)	32s (cold)	30s (cold)
		28s (hot)	20s (hot)	18s (hot)	17s (hot)	20s (hot)	18s (hot)	17s (hot)
Noise level ²		64.0 dB(A)						
	25%							
Efficiency (%)	50%	93.6	90.1	89.9	89.8	91.7	91.7	91.7
Lindicitoy (70)	75%	94.1	91.7	91.7	92.0	91.7	91.7	92.4
	100%	94.1	93.0	93.0	93.0	92.3	92.3	92.4
25%								
Power Factor	50%	0.68	0.70	0.66	0.63	0.77	0.74	0.71
1 OWELL ACTOL	75%	0.78	0.80	0.77	0.74	0.84	0.82	0.80
	100%	0.83	0.84	0.82	0.80	0.85	0.84	0.83

Drive end Non drive end Bearing type 6312 Z C3 6212 Z C3 Max. traction

Without Sealing Without Bearing Seal Bearing Seal

20000 h Lubrication interval 20000 h Lubricant amount 21 g 13 g Mobil Polyrex EM Lubricant type

Foundation loads

: 634 kgf Max. compression : 852 kgf

Notes

USABLE @208V 107A SF 1.15 SFA 123A

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
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Checked by				Page	Revision
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Three Phase Induction Motor - Squirrel Cage



Customer :

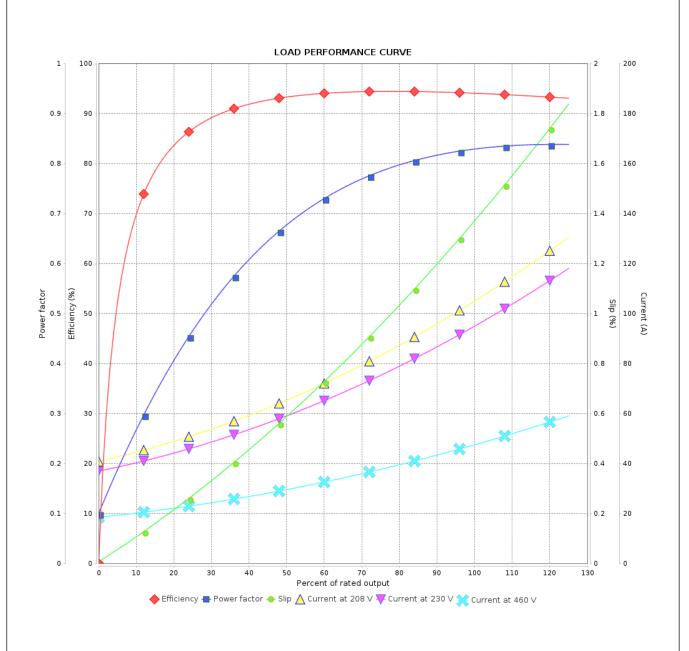
Date

13/11/2025

Product line : ODP NEMA Premium Efficiency

Three-Phase

Product code: 11997391



Performance : 230/460 V 60 Hz 4P : 0.2551 kgm² Rated current : 96.4/48.2 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.2 Insulation class : 16.4 kgfm : F Rated torque Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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Three Phase Induction Motor - Squirrel Cage



Customer :

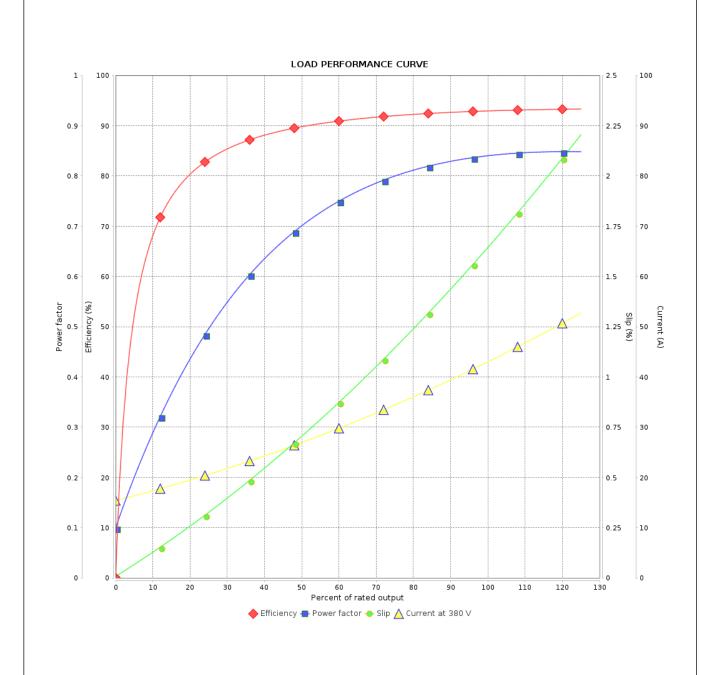
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Date

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Product line : ODP NEMA Premium Efficiency Product code : 11997391

Three-Phase



Doufourson	. 200 \/ 50 LI= 4D LF2				
Performance	: 380 V 50 Hz 4P IE3				
Rated current	: 42.8 A	Moment of	of inertia (J)	: 0.2551 kgm²	
LRC	: 6.3	Duty cycle	9	: Cont.(S1)	
Rated torque	: 14.8 kgfm	Insulation class		:F	
Locked rotor torque	: 240 %	Service factor		: 1.15	
Breakdown torque	: 340 %	Temperat	ure rise	: 80 K	
Rated speed	: 1475 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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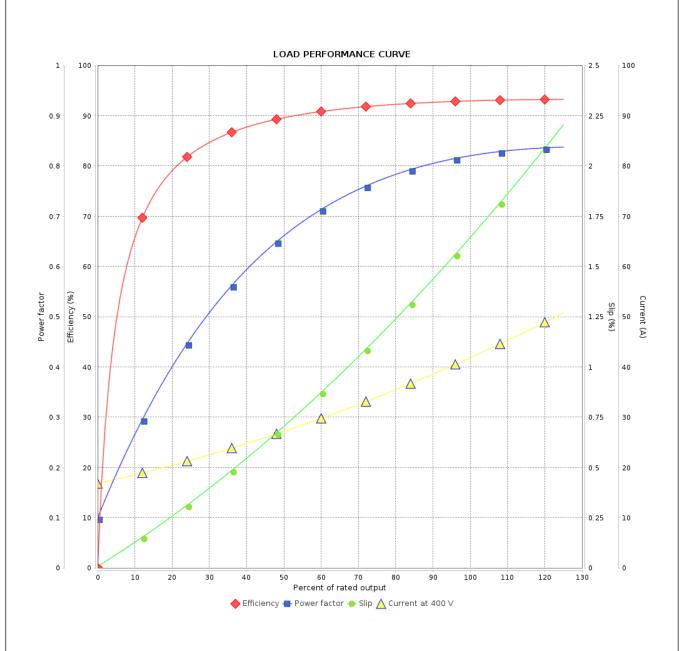
Date

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Product line : ODP NEMA Premium Efficiency

Three-Phase

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Performance : 400 V 50 Hz 4P IE3 : 0.2551 kgm² Rated current : 41.6 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 7.0 Insulation class Rated torque : 14.8 kgfm : F Locked rotor torque : 270 % Service factor : 1.15 Breakdown torque : 370 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

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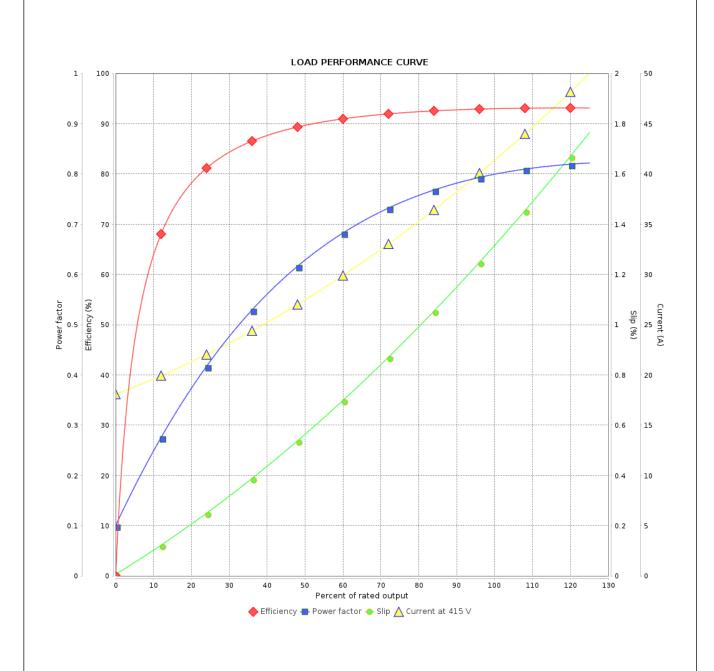
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Product code : 11997391

Three-Phase



Performance : 415 V 50 Hz 4P IE3							
Rated current	: 4	41.1 A	Moment o	Moment of inertia (J)		!	
LRC	: 7	7.6	Duty cycle	Duty cycle			
Rated torque	: '	14.7 kgfm	Insulation class		: F		
Locked rotor torqu	ie : 2	290 %	Service fa	ctor	: 1.15		
Breakdown torque	e :4	400 %	Temperatu	Temperature rise		: 80 K	
Rated speed	: 1	1480 rpm	Design		: B		
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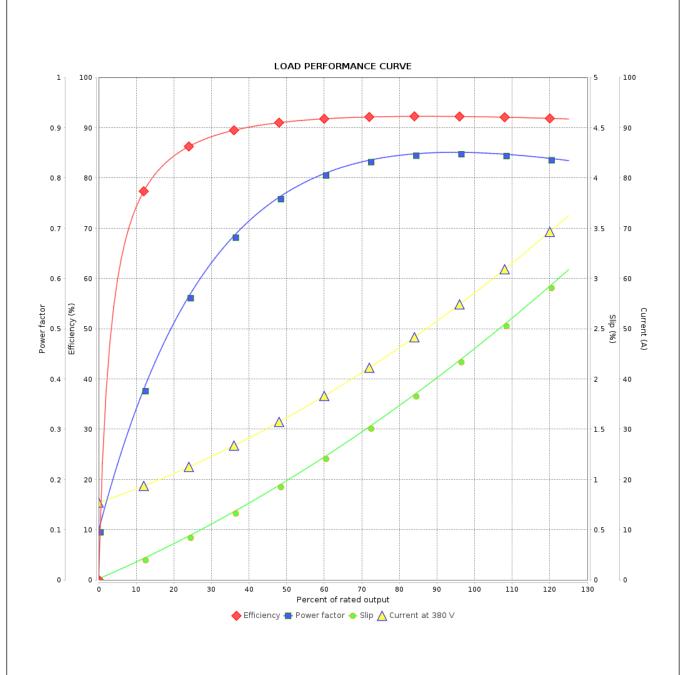
Customer

Product line : ODP NEMA Premium Efficiency

Product code:

11997391

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Performance	: 380 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 58.1 A : 4.8 : 19.8 kgfm : 180 % : 250 %	Duty cycle Insulation Service fa Temperate	class ector	: 0.2551 kgm : Cont.(S1) : F : 1.15 : 80 K	2
Rated speed Rev.	: 1465 rpm Changes Summary	Design	Performed	: B Checked	Date
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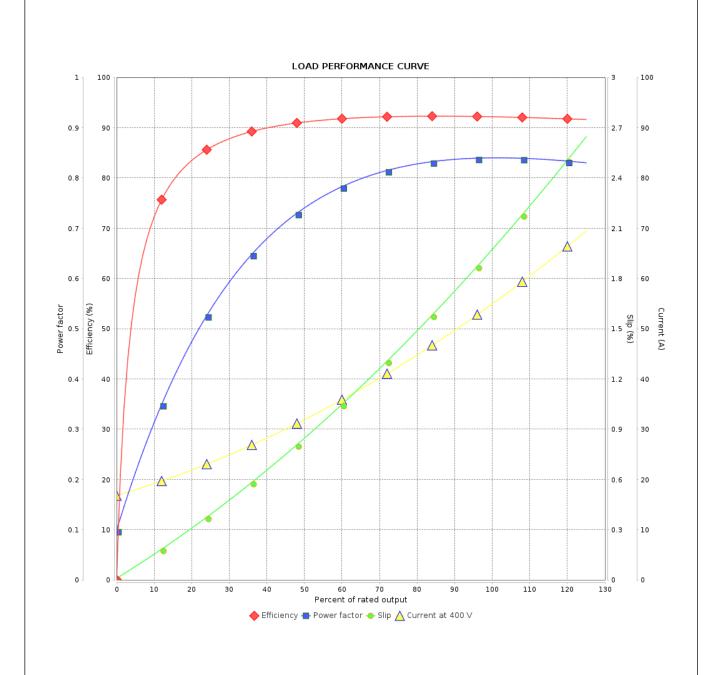
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Product line : ODP NEMA Premium Efficiency Product code : 11997391

Three-Phase



Performance	: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 55.8 A : 5.4 : 19.7 kgfm : 200 % : 280 % : 1470 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.2551 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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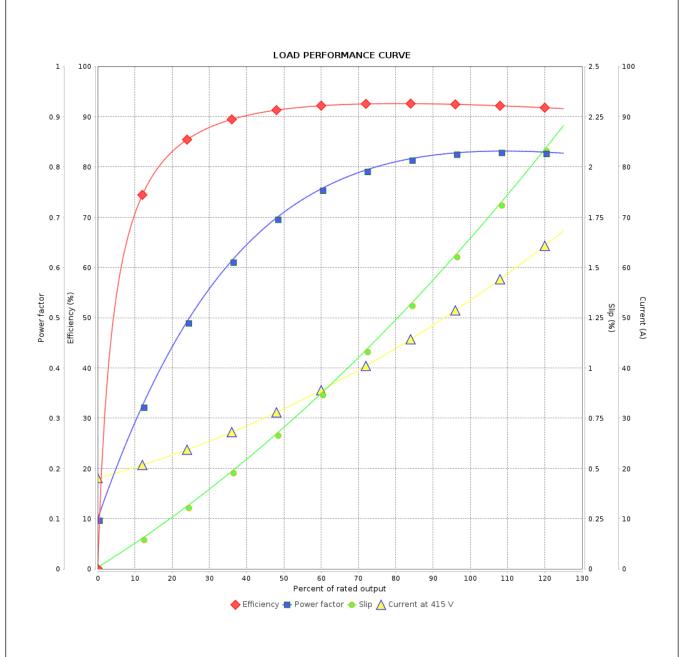


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	·					
Performance		415 V 50 Hz 4P IE2	2			
Rated current LRC		54.4 A 5.9	Moment of inertia (J) Duty cycle		: 0.2551 kgm² : Cont.(S1) : F	
Rated torque Locked rotor tord Breakdown torqu	jue :	19.7 kgfm 220 % 300 %	Service fa	Insulation class Service factor Temperature rise		
Rated speed		1475 rpm	Design	ure rise	: 80 K : B	
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