



Product Service

# CERTIFICATE

No. Z10 022733 0059 Rev. 00

**Holder of Certificate:** Yaskawa Electric Corporation  
**Inverter Plant**  
2-13-1 Nishimiyaichi  
Yukuhashi, Fukuoka  
824-8511 JAPAN

**Certification Mark:**



**Product:** AC Servo Systems  
AC Inverter

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** YY99391C

**Valid until:** 2027-09-22

**Date,** 2022-09-23

( Guido Neumann )



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<b>Parameters:</b>	Rated voltage	200 to 240 V3AC 380 to 460 V3AC 460 to 480 V3AC
	Rated frequency	50/60 Hz
	Protective class	I
	Overvoltage category	III
	Safety function	STO
		SIL 3 acc. to IEC/EN 61800-5-2
		SIL 3 acc. to IEC/EN 61508
		SILCL 3 acc. to IEC/EN 62061
		Cat. 3, PL e acc. to ISO/EN ISO 13849-1

**Tested according to:**

- IEC 61508-1:2010 (SIL 3)
- IEC 61508-2:2010 (SIL 3)
- EN 61508-1:2010 (SIL 3)
- EN 61508-2:2010 (SIL 3)
- ISO 13849-1:2015
- EN ISO 13849-1:2015 (Cat. 3, PL e)
- EN 62061:2005/A2:2015 (SILCL 3)
- IEC 61800-5-1:2007
- IEC 61800-5-1:2007/AMD1:2016
- IEC 61800-5-2:2016
- EN 61800-5-1:2007/A1:2017
- EN 61800-5-2:2017
- IEC 61326-3-1:2017
- EN 61326-3-1:2017
- IEC 61000-6-7:2014
- EN 61000-6-7:2015

**Model(s):** **FP605**

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## Nomenclature of FP605 Series

**CIPR-** \*\*\*\* \* \* \*\*\* \* \* \* \* - \* \* \* \* \* \* \* - \*\*\*\*  
**A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P**

### Basic Code

A: General purpose Inverter

Group	Model	Note
CIPR	Yaskawa new generation inverter	--

B: Basic name of Inverter Series

Group	Model	Note
FP65	FP605 Inverter series for Fan and Pump	--

C: Regional specification for initial software setting (non-safety related)

Group	Model	Note
A	Japan spec.	--
B	China spec.	--
C	Europe spec.	--
D	India spec.	--
U	America spec.	--
T	Asia(YSP, YTW) spec.	--
K	Korea spec.	--
X	China X model	--

D: Rated Voltage

Group	Model	Note
2	200V 3-phase	--
4	400V 3-phase	--

E: Rated output current

D: 2(200V 3-phase)

Input Voltage	200V to 240V				
	Model	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
	005	1	0.75	3.2	4.6
	008	2	1.5	5.9	7.8
	011	3	2.2	8.8	10.6
	017	5	3.7	14.2	16.7
	024	7.5	5.5	20	24.2
	031	10	7.5	27	30.8
	046	15	11	40	46.2
	059	20	15	54	59.4
	075	25	18.5	66	74.8
	088	30	22	78	88
	114	40	30	106	114
	143	50	37	130	143
	169	60	45	157	169
	211	75	55	200	211

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273	100	75	271	273
343	125	90	324	343
396	150	110	394	396

D: 4(400V 3-phase)

Input Voltage	380V to 460V			
Model	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
005	-	1.5	4.1	4.8
006	-	2.2	5.4	5.4
008	-	3.0	7.1	7.6
011	-	4	8.9	11
014	-	5.5	11.9	14
021	-	7.5	17.5	21
027	-	11	23.4	27
034	-	15	31	34
040	-	18.5	38	40
052	-	22	44	52
065	-	30	59.6	65
077	-	37	74.9	77
096	-	45	89.2	96
124	-	55	103	124
156	-	75	140	156
180	-	90	170	180
240	-	110	207	240
302	-	160	300	302
361	-	200	373	361
414	-	220	410	414
477	-	250	465	477
515	-	280	520	515
590	-	315	584	590
720	-	375	694	720

Input Voltage	460V to 480V			
Model	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
005	3	2.2	3.8	4.8
008	5	3.7	6.2	7.6
011	7.5	5.6	9	11
014	10	7.5	12.1	14
021	15	11.2	17.4	21
027	20	15.0	23.5	27
034	25	18.6	28.7	34
040	30	22	34	40
052	40	30	45.9	52
065	50	37	56.3	65
077	60	45	68.1	77
096	75	56	82.8	96
124	100	75	112	124
156	125	93	134	156
180	150	112	171	180

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240	200	150	232	240
302	250	186	289	302
361	300	224	346	361
414	350	261	403	414
477	400	300	460	477
515	450	335	515	515
590	500	375	573	590
720	600	450	686	720

## F: EMC filter option

Group	Model	Note
A	No EMI filter	--
C	Built-in EMI filter for C2	--

## G: Enclosure

Group	Model	Note
B	IP20 inside panel	--
F	IP20/UL Type1 wall mount	--
T	IP55/UL Type12 wall mount with disconnect switch	--
V	IP55/UL Type12 wall mount	--
W	Heatsink back mount through panel Front:IP00, Back:IP55/Type12	--

## H: Environmental Specification (non-safety related)

Group	Model	Note
A	Standard (Conformal coating PCB)	--
B to Z	Put any alphabet for an Environmental Specification.	--

## I: Design Spec (non-safety related)

Product	Group	Comment	Note
FP605	B to Z	Put any alphabet for a design Spec.	--

## Optional Code

### J: Control terminal option (non-safety related)

Group	Comment	Note
A to R	Put any alphabet for a Control terminal setting.	--

### K: Option setting in slot A (non-safety related)

Group	Comment	Note
A to Z	Put any alphabet for a Option setting in slot A.	--

### L: Option setting in slot B (non-safety related)

Group	Comment	Note
A	N/A	--

### M: Option setting in slot C (non-safety related)

Group	Comment	Note
A	N/A	--

### N: Keypad option (non-safety related)

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Group	Comment	Note
A to Z	Put any alphabet for a Keypad.	--

O: Sub-application software setting (non-safety related)

Group	Comment	Note
A to Z	Put any alphabet for a Sub-application software.	--

Custom Code

P: Custom setting (non-safety related)

Group	Comment	Note
0000 to 9999	Put any numeric for a Custom setting.	--

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The list of certified devices for FP605

FP605	CIPR-FP65*2011AB*‡-†*****-++++	CIPR-FP65*4006AT*‡-†*****-++++
	CIPR-FP65*2017AB*‡-†*****-++++	CIPR-FP65*4008AT*‡-†*****-++++
	CIPR-FP65*2024AB*‡-†*****-++++	CIPR-FP65*4011AT*‡-†*****-++++
	CIPR-FP65*2031AB*‡-†*****-++++	CIPR-FP65*4014AT*‡-†*****-++++
	CIPR-FP65*2046AB*‡-†*****-++++	CIPR-FP65*4021AT*‡-†*****-++++
	CIPR-FP65*2059AB*‡-†*****-++++	CIPR-FP65*4027AT*‡-†*****-++++
	CIPR-FP65*2075AB*‡-†*****-++++	CIPR-FP65*4034AT*‡-†*****-++++
	CIPR-FP65*2088AB*‡-†*****-++++	CIPR-FP65*4040AT*‡-†*****-++++
	CIPR-FP65 *2114AB*‡-†*****-++++	CIPR-FP65*4052AT*‡-†*****-++++
	CIPR-FP65*2143AB*‡-†*****-++++	CIPR-FP65*4065AT*‡-†*****-++++
	CIPR-FP65*2169AB*‡-†*****-++++	CIPR-FP65*4077AT*‡-†*****-++++
	CIPR-FP65*2211AB*‡-†*****-++++	CIPR-FP65*4096AT*‡-†*****-++++
	CIPR-FP65*2273AB*‡-†*****-++++	CIPR-FP65*2011AV*‡-†*****-++++
	CIPR-FP65*2343AB*‡-†*****-++++	CIPR-FP65*2017AV*‡-†*****-++++
	CIPR-FP65*2396AB*‡-†*****-++++	CIPR-FP65*2024AV*‡-†*****-++++
	CIPR-FP65*4005AB*‡-†*****-++++	CIPR-FP65*2031AV*‡-†*****-++++
	CIPR-FP65*4006AB*‡-†*****-++++	CIPR-FP65*2046AV*‡-†*****-++++
	CIPR-FP65*4008AB*‡-†*****-++++	CIPR-FP65*2059AV*‡-†*****-++++
	CIPR-FP65*4011AB*‡-†*****-++++	CIPR-FP65*2075AV*‡-†*****-++++
	CIPR-FP65 *4014AB*‡-†*****-++++	CIPR-FP65*2088AV*‡-†*****-++++
	CIPR-FP65*4021AB*‡-†*****-++++	CIPR-FP65*2114AV*‡-†*****-++++
	CIPR-FP65 *4027AB*‡-†*****-++++	CIPR-FP65*4005AV*‡-†*****-++++
	CIPR-FP65*4034AB*‡-†*****-++++	CIPR-FP65*4006AV*‡-†*****-++++
	CIPR-FP65*4040AB*‡-†*****-++++	CIPR-FP65*4008AV*‡-†*****-++++
	CIPR-FP65*4052AB*‡-†*****-++++	CIPR-FP65*4011AV*‡-†*****-++++
	CIPR-FP65*4065AB*‡-†*****-++++	CIPR-FP65*4014AV*‡-†*****-++++
	CIPR-FP65*4077AB*‡-†*****-++++	CIPR-FP65*4021AV*‡-†*****-++++

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CIPR-FP65*4096AB*†-†*****-++++	CIPR-FP65*4027AV*†-†*****-++++
CIPR-FP65*4124AB*†-†*****-++++	CIPR-FP65*4034AV*†-†*****-++++
CIPR-FP65*4156AB*†-†*****-++++	CIPR-FP65*4040AV*†-†*****-++++
CIPR-FP65*4180AB*†-†*****-++++	CIPR-FP65*4052AV*†-†*****-++++
CIPR-FP65*4240AB*†-†*****-++++	CIPR-FP65*4065AV*†-†*****-++++
CIPR-FP65*4302AB*†-†*****-++++	CIPR-FP65*4077AV*†-†*****-++++
CIPR-FP65*4361AB*†-†*****-++++	CIPR-FP65*4096AV*†-†*****-++++
CIPR-FP65*4414AB*†-†*****-++++	CIPR-FP65*4124AV*†-†*****-++++
CIPR-FP65*4477AB*†-†*****-++++	CIPR-FP65*2011AW*†-†*****-++++
CIPR-FP65*4515AB*†-†*****-++++	CIPR-FP65*2017AW*†-†*****-++++
CIPR-FP65*4590AB*†-†*****-++++	CIPR-FP65*2024AW*†-†*****-++++
CIPR-FP65*4720AB*†-†*****-++++	CIPR-FP65*2031AW*†-†*****-++++
CIPR-FP65*2011AF*†-†*****-++++	CIPR-FP65*2046AW*†-†*****-++++
CIPR-FP65 *2017AF*†-†*****-++++	CIPR-FP65*2059AW*†-†*****-++++
CIPR-FP65*2024AF*†-†*****-++++	CIPR-FP65*2075AW*†-†*****-++++
CIPR-FP65*2031AF*†-†*****-++++	CIPR-FP65*2088AW*†-†*****-++++
CIPR-FP65*2046AF*†-†*****-++++	CIPR-FP65*2114AW*†-†*****-++++
CIPR-FP65*2059AF*†-†*****-++++	CIPR-FP65*2143AW*†-†*****-++++
CIPR-FP65*2075AF*†-†*****-++++	CIPR-FP65*2169AW*†-†*****-++++
CIPR-FP65*2088AF*†-†*****-++++	CIPR-FP65*2211AW*†-†*****-++++
CIPR-FP65*2114AF*†-†*****-++++	CIPR-FP65*2273AW*†-†*****-++++
CIPR-FP65*2143AF*†-†*****-++++	CIPR-FP65*2343AW*†-†*****-++++
CIPR-FP65*2169AF*†-†*****-++++	CIPR-FP65*2396AW*†-†*****-++++
CIPR-FP65*4005AF*†-†*****-++++	CIPR-FP65*4005AW*†-†*****-++++
CIPR-FP65*4006AF*†-†*****-++++	CIPR-FP65*4006AW*†-†*****-++++
CIPR-FP65*4008AF*†-†*****-++++	CIPR-FP65*4008AW*†-†*****-++++
CIPR-FP65*4011AF*†-†*****-++++	CIPR-FP65*4011AW*†-†*****-++++
CIPR-FP65*4014AF*†-†*****-++++	CIPR-FP65*4014AW*†-†*****-++++
CIPR-FP65*4021AF*†-†*****-++++	CIPR-FP65*4021AW*†-†*****-++++



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CIPR-FP65*4027AF*†-†*****-++++	CIPR-FP65*4027AW*†-†*****-++++
CIPR-FP65*4034AF*†-†*****-++++	CIPR-FP65*4034AW*†-†*****-++++
CIPR-FP65*4040AF*†-†*****-++++	CIPR-FP65*4040AW*†-†*****-++++
CIPR-FP65*4052AF*†-†*****-++++	CIPR-FP65*4052AW*†-†*****-++++
CIPR-FP65*4065AF*†-†*****-++++	CIPR-FP65*4065AW*†-†*****-++++
CIPR-FP65*4077AF*†-†*****-++++	CIPR-FP65*4077AW*†-†*****-++++
CIPR-FP65*4096AF*†-†*****-++++	CIPR-FP65*4096AW*†-†*****-++++
CIPR-FP65*4124AF*†-†*****-++++	CIPR-FP65*4124AW*†-†*****-++++
CIPR-FP65*4156AF*†-†*****-++++	CIPR-FP65*4156AW*†-†*****-++++
CIPR-FP65*2011AT*†-†*****-++++	CIPR-FP65*4180AW*†-†*****-++++
CIPR-FP65*2017AT*†-†*****-++++	CIPR-FP65*4240AW*†-†*****-++++
CIPR-FP65*2024AT*†-†*****-++++	CIPR-FP65*4302AW*†-†*****-++++
CIPR-FP65*2031AT*†-†*****-++++	CIPR-FP65*4361AW*†-†*****-++++
CIPR-FP65*2046AT*†-†*****-++++	CIPR-FP65*4414AW*†-†*****-++++
CIPR-FP65*2059AT*†-†*****-++++	CIPR-FP65*4477AW*†-†*****-++++
CIPR-FP65*2075AT*†-†*****-++++	CIPR-FP65*4515AW*†-†*****-++++
CIPR-FP65*2088AT*†-†*****-++++	CIPR-FP65*4590AW*†-†*****-++++
CIPR-FP65*2114AT*†-†*****-++++	CIPR-FP65*4720AW*†-†*****-++++
CIPR-FP65*4005AT*†-†*****-++++	