



EU DECLARATION OF CONFORMITY

DOCUMENT: HX503656

Manufacturer **Parker Hannifin Manufacturing Ltd.**
Address **New Courtwick Lane, LITTLEHAMPTON,
West Sussex, BN17 7RZ
United Kingdom**

declares under sole responsibility compliance of the following products

Product **690+ Series AC Drive**
Product name **690P**

with the

Low Voltage Directive 2014/35/EU

Applied harmonized standards
EN 50178:1998
Electronic equipment for use in power installations

EMC Directive 2014/30/EU

Applied harmonized standards
EN 61800-3:2004 + A1:2012
Adjustable speed electrical power drive systems
Part 3: EMC product standard including specific test methods.

Machinery Directive 2006/42/EC (Appendix IV)

Applied harmonized standards
EN 60204-1:2016
Safety of machinery – Electrical equipment of machines
Part 1: General requirements

RoHS Directive 2011/65/EU

Applied harmonized standards
EN 50581:2012
Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Date CE mark first applied: **2000-04-01**

Notes:

These products must be installed and operated with reference to the instructions in the Product Manual. All instructions, warnings and safety information of the Product Manual must be adhered to.

Issued for compliance with the EMC Directive when the unit is used as *relevant apparatus*.

690PB only complies with BN EN61800-3:2004 + A1:2012 when fitted with an internal or external filter.

The products are components to be incorporated into machinery and may not be operated alone. The complete machinery or installation may only be put into service when the safety considerations of the Machinery Directive 2006/42/EC are fully adhered to.

Some components in these products are RoHS compliant using the following exemptions listed in Annex III: 6(a), 6(b), 6(c), 7(c)-I & 15

Signed on behalf of Parker Hannifin Manufacturing Ltd., Littlehampton 2017-07-23

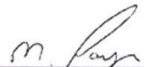
Mr. Stefan Kempf Division Opex Manager



Mr. Eduard Stuber Engineering Manager



Dr. Martin Payn Global EM Compliance Manager



Mr. Raphael Wendling Business Unit Manager





APPENDIX: ORDER CODE FOR EU DECLARATION OF CONFORMITY

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230V Supply Voltage		Block 1	Block 2	Block 3	Block 4
Order Example		690	21 1440 B 0	B F S P 00	A 4 0 0
Family	690 inverter range	690			
Rating Data	Supply Voltage	Constant Torque 230v ratings		Frame Size	
	230v 1ph	kW	Output Current		
		0.75	4.0	B	1400 B
		1.5	7.0	B	1700 B
		2.2	10.5	B	2105 B
	230v 3ph	Constant Torque 230v ratings		Frame Size	
		kW	Output Current		
		0.75	4.0	B	1400 B
		1.5	7.0	B	1700 B
		2.2	10.5	B	2105 B
		4.0	16.5	B	2165 B
		5.5	22	C	2220 C
		7.5	28	C	2280 C
		11	42	D	2420 D
		15	54	D	2540 D
		18.5	68	D	2680 D
		22	80	E	2800 E
		30	104	F	3104 F
		37	130	F	3130 F
		45	154	F	3154 F
Auxiliary supply	Not required (frames B-E)				0
	115v 1ph (Frame F-J only)				1
	230v 1ph (Frame F-J only)				2
Brake Switch	Not Fitted (optional on Frame D-J)				0
	Brake switch fitted (mandatory on frames B & C, optional on frames D-J)				B
Filter	Not fitted (Optional on frame B, mandatory on frames C-F)				0
	Filter fitted (Optional on frames B only)				F
System Board	Not fitted				0
	System Board fitted				S
Mechanical Style	Panel Mount (Option on Frames B-E, mandatory on Frames F-J)				P
	Wall Mount (Option on Frames B-E only)				W
	Through Panel Mount (Option on Frames C-E only)				T
Special Option	None				00
	Documented special options (01-99)				
Destination	English (50Hz)				A
	English (60Hz)				B
	German				D
	Spanish				E
	French				F
	Portuguese				G
	Italian				I
	Polish				L
	Swedish				S
Keypad	None (Option on Frames B-F)				0
	6901 Keypad fitted (option on Frames B-F, mandatory on frames G-J)				4
Speed Feedback	None				0
	HTTL Encoder				3
Comms	None				0
	ControlNet				C
	DeviceNet				D
	Ethernet				E
	Johnson Metasys				J
	Link				L
	ModBus +				M
	CanOpen				N
	Profibus				P
	RS485 (EI Bisynch)				R
	Siemens Apogee				S
	LonWorks				W

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Order Example		400/460V Supply Voltage				Block 1	Block 2	Block 3	Block 4	
						690	43 1250 B 0	B F S P 00	A 4 0 0	
Family		690 inverter range				690				
Rating Data		Supply Voltage	Constant Torque 400v ratings kW	Output Current	Constant Torque 460v ratings HP	Output Current	Frame Size			
		400/460v 3ph					43			
			0.75	2.5	1.0	2.5	B	1250	B	
			1.5	4.5	2.0	4.5	B	1450	B	
			2.2	5.5	3.0	5.5	B	1550	B	
			4.0	9.5	5.0	9.5	B	1950	B	
			5.5	12.0	7.5	11.0	B	2120	B	
			5.5	12.0	7.5	12.0	C	2120	C	
				14.0	10	14.0	B	2140	B	
				16.0	10	14.0	C	2160	C	
				23.0	15	21.0	C	2230	C	
				30.0	20	27.0	C	2300	C	
				31.0	20	31.0	D	2310	D	
				38.0	25	38.0	D	2380	D	
				45.0	30	45.0	D	2450	D	
				59.0	40	52.0	D	2590	D	
				59.0	40	59.0	E	2590	E	
				73.0	50	73.0	E	2730	E	
				87.0	60	87.0	E	2870	E	
				105	75	100	F	3105	F	
				145	100	130	F	3145	F	
				180	125	156	F	3156	F	
				180	150	180	F	3180	F	
				216	175	216	G	3216	G	
				250	200	250	G	3250	G	
				316	250	316	G	3316	G	
				361	300	361	G	3361	G	
				375	300	375	H	3375	H	
				420	350	420	H	3420	H	
				480	400	480	H	3480	H	
				520	450	520	H	3520	H	
				590	500	590	J	3590	J	
Auxiliary supply		Not required (frames B-E)							0	
		115v 1ph (Frame F-J only)							1	
		230v 1ph (Frame F-J only)							2	
Brake Switch		Not Fitted (optional on Frame D-J)							0	
		Brake switch fitted (mandatory on frames B & C, optional on frames D-J)							B	
Filter		Not fitted (Optional on frame B, mandatory on frames C-F)							0	
		Filter fitted (Optional on frames B only)							F	
System Board		Not fitted							0	
		System Board fitted							S	
Mechanical Style		Panel Mount (Option on Frames B-E, mandatory on Frames F-J)							P	
		Wall Mount (Option on Frames B-E only)							W	
		Through Panel Mount (Option on Frames C-E only)							T	
Special Option		None							00	
		Documented special options (01-99)								
Destination		English (50Hz)							A	
		English (60Hz)							B	
		German							D	
		Spanish							E	
		French							F	
		Portuguese							G	
		Italian							I	
		Polish							L	
		Swedish							S	
Keypad		None (Option on Frames B-F)							0	
		6901 Keypad fitted (option on Frames B-F, mandatory on frames G-J)							4	
Speed Feedback		None							0	
		HTTL Encoder							3	
Comms		None							0	
		ControlNet							C	
		DeviceNet							D	
		Ethernet							E	
		Johnson Metasys							J	
		Link							L	
		ModBus +							M	
		CanOpen							N	
		Profibus							P	
		RS485 (EI Bisynch)							R	
		Siemens Apogee							S	
		LonWorks							W	

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Order Example		400/500V Supply Voltage		Block 1	Block 2	Block 3	Block 4
				690	53 1500 B 0	B F S P 00	A 4 0 0
Family		690 inverter range		690			
Rating Data		Supply Voltage	Constant Torque 400/500v ratings kW Output Current	Frame Size			
		400/500v 3ph		53			
			2.2 5.0	B	1500 B		
			2.2 10.0	C	1500 C		
			4.0 8.0	B	1800 B		
			4.0 10.0	C	2100 C		
			5.5 11.0	B	2110 B		
			5.5 11.0	C	2110 C		
			7.5 14.0	C	2140 C		
			11 21.0	C	2210 C		
			15 27.0	C	2270 C		
			15 28.0	D	2280 D		
			18.5 36.0	D	2360 D		
			22 42.0	D	2420 D		
			30 52.0	D	2520 D		
			30 54	E	2540 E		
			37 67	E	2730 E		
			45 79	E	2870 E		
			55 100	F	3105 F		
			75 125	F	3145 F		
			90 156	F	3156 F		
Auxiliary supply		Not required (frames B-E)			0		
		115v 1ph (Frame F-J only)			1		
		230v 1ph (Frame F-J only)			2		
Brake Switch		Not Fitted (optional on Frame D-J)			0		
		Brake switch fitted (mandatory on frames B & C, optional on frames D-J)			B		
Filter		Not fitted (Optional on frame B, mandatory on frames C-F)			0		
		Filter fitted (Optional on frames B only)			F		
System Board		Not fitted			0		
		System Board fitted			S		
Mechanical Style		Panel Mount (Option on Frames B-E, mandatory on Frames F-J)			P		
		Wall Mount (Option on Frames B-E only)			W		
		Through Panel Mount (Option on Frames C-E only)			T		
Special Option		None			00		
		Documented special options (01-99)					
Destination		English (50Hz)			A		
		English (60Hz)			B		
		German			D		
		Spanish			E		
		French			F		
		Portuguese			G		
		Italian			I		
		Polish			L		
		Swedish			S		
Keypad		None (Option on Frames B-F)			0		
		6901 Keypad fitted (option on Frames B-F, mandatory on frames G-J)			4		
Speed Feedback		None			0		
		HTTL Encoder			3		
Comms		None			0		
		ControlNet			C		
		DeviceNet			D		
		Ethernet			E		
		Johnson Metasys			J		
		Link			L		
		ModBus +			M		
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		RS485 (EI Bisynch)			R		
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