

# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Schneider Electric Industries SAS</b>
<b>Address</b>	35 RUE JOSEPH MONNIER, RUEIL MALMAISON, 92500, France
<b>Type</b>	Electronic Frequency Convertor
<b>Description</b>	Altivar ATV series please refer to Appendix for details
<b>Trade Name</b>	ATV630, ATV650 series
<b>Application</b>	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System, Test Specification No. 1: May 2018
<b>Specified Standard</b>	Manufactures' specification IACS UR E10 (Rev. 8 Feb. 2021)
<b>Ratings</b>	Refer to Appendix for details
<b>Other Conditions</b>	The complete installation and function is subject to separate plan appraisal according applicable Rules and Regulations, when installed on LR classed vessels. Converters are to be in compliance with LR Rules and Regulations and to be surveyed during manufacture and testing if used for essential or emergency

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

**Thorsten Wolff**

Senior Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group

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services and rated 100kW or above.

If used in marine and offshore applications the equipment is to be installed on shock absorbers and according Schneider Installation Manual EN\_EAV64301\_10 revision 04/2020. Planned EMC measures are matter of assessment prior to installation onboard. The installation requirements according Schneider Installation Manual EN\_EAV64301\_10 revision 04/2020 have to be fulfilled. The temperature range in operation for all types, except for IP 20 up to 160kW types, is up to 40°C. Current derating to be applied as per Schneider derating tables.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document HTS/ETS 41210-21 AHB/TW/AC and its supplementary Type Approval Terms and Conditions form part of this Certificate.

## Appendix

**TYPE**

Altivar ATV 630, ATV 650 series frequency converter

Type	Frame Size	Power Rating Normal Overload at 40°C [kW]	Current Rating at 40°C IN [A]
AC Mains Voltage 200 – 240 V			
ATV630U07M3	1	0.75	4.6
ATV630U15M3	1	1.5	8
ATV630U22M3	1	2.2	11.2
ATV630U30M3	2	3.0	13.7
ATV630U40M3	1	4.0	18.7
ATV630U55M3	2	5.5	25.4
ATV630U75M3	3	7.5	32.7
ATV630D11M3	3	11	46.8
ATV630D15M3	4	15	63.4
ATV630D18M3	4	18.5	78.4
ATV630D22M3	4	22	92.6
ATV630D30M3	5	30	123
ATV630D37M3	5	37	149
ATV630D45M3	5	45	176
ATV630D55M3	6	55	211
ATV630D75M3	6	75	282
AC Mains Voltage 380 – 480 V			
ATV630U07N4	1	0.75	2.2
ATV630U15N4	1	1.5	4
ATV630U22N4	1	2.2	5.6
ATV630U30N4	1	3.0	7.2
ATV630U40N4	1	4.0	9.3
ATV630U55N4	1	5.5	12.7
ATV630U75N4	2	7.5	16.5
ATV630D11N4	2	11	23.5
ATV630D15N4	3	15	31.7
ATV630D18N4	3	18.5	39.2
ATV630D22N4	3	22	46.3
ATV630D30N4	4	30	61.5
ATV630D37N4	4	37	74.5
ATV630D45N4	4	45	88

**TYPE continued**

Type	Frame Size	Power Rating Normal Overload at 40°C [kW]	Current Rating at 40°C IN [A]
<b>AC Mains Voltage 380 - 480 V</b>			
ATV630D55N4	5	55	106
ATV630D75N4	5	75	145
ATV630D90N4	5	90	173
ATV630C11N4	6	110	211
ATV630C13N4	6	132	250
ATV630C16N4	6	160	302
ATV630C22N4	7	220	427
ATV630C25N4	7	250	481
ATV630C31N4	7	315	616
<b>AC Mains Voltage 575 - 690 V</b>			
ATV630U22Y6	3Y	2.2	3.1
ATV630U30Y6	3Y	3.0	4.2
ATV630U40Y6	3Y	4.0	5.4
ATV630U55Y6	3Y	5.5	7.2
ATV630U75Y6	3Y	7.5	9.5
ATV630D11Y6	3Y	11	13.5
ATV630D15Y6	3Y	15	18
ATV630D18Y6	3Y	18.5	24
ATV630D22Y6	3Y	22	29
ATV630D30Y6	3Y	30	34
ATV630D37Y6	5Y	37	45
ATV630D45Y6	5Y	45	55
ATV630U55Y6	5Y	55	66
ATV630U75Y6	5Y	75	83
ATV630U90Y6	5Y	90	108
<b>AC Mains Voltage 380 - 480 V</b>			
ATV650U07N4	A1	0.75	2.2
ATV650U15N4	A1	1.5	4
ATV650U22N4	A1	2.2	5.6
ATV650U30N4	A1	3.0	7.2
ATV650U40N4	A1	4.0	9.3
ATV650U55N4	A1	5.5	12.7

**TYPE continued**

Type	Frame Size	Power Rating Normal Overload at 40°C [kW]	Current Rating at 40°C IN [A]
AC Mains Voltage 380 – 480 V			
ATV650U75N4	A2	7.5	16.5
ATV650D11N4	A2	11	23.5
ATV650D15N4	A3	15	31.7
ATV650D18N4	A3	18.5	39.2
ATV650D22N4	A3	22	46.3
ATV650D30N4	B	30	61.5
ATV650D37N4	B	37	74.5
ATV650D45N4	B	45	88
ATV650D55N4	C	55	106
ATV650D75N4	C	75	145
ATV650D90N4	C	90	173

Software Version: V3.1IE24

Degree of protection: ATV 630 series - IP 00  
 ATV 650 series - IP 55  
 Pollution degree: 2  
 Overvoltage Category: III  
 Nominal Input frequency: 50/60 Hz

**PLACES OF  
PRODUCTION**

Schneider WuXi Drives Co., Ltd. (1)  
 No.20, Hanjiang Road,  
 National Hi-Tech Industrial Development Zone  
 214001 Wuxi, Jiangsu  
 China

PT Schneider Electric Manufacturing Batam (2)  
 Batamindo Industrial Park Jl. Beringin Lot 208  
 Muka Kuning  
 29433 Batam Island  
 Indonesia

**PLACES OF  
PRODUCTION  
continued**

Schneider Electric IT Business Pvt. Ltd. (3)  
187/3 & 188/3 Jigani Village  
Jigani Hobli  
562106 Bangladore  
India

- (1) For all types except 575-690 V types
- (2) For ATV630-types; 0.75 to 5.5kW ; 200 -240V and 0.75 to 11kW ; 380 – 480V only
- (3) For ATV630-types; 7.5 to 75kW ; 200 -240V and 15 to 315kW ; 380 – 480V and 2.2 to 90kW;  
575 -690V only