



TYPE APPROVAL CERTIFICATE
No. ELE356717XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	FREQUENCY CONVERTERS
<i>Type</i>	ATV61 Series and ATV71 Series for Variable Speed Drives
<i>Applicant</i>	SCHNEIDER TOSHIBA INVERTER EUROPE RUE ANDRÉ BLANCHET 27120 PACY SUR EURE FRANCE
<i>Manufacturer</i>	SCHNEIDER ELECTRIC INDUSTRIES SA
<i>Place of manufacture</i>	2, rue du Pont Vert ZAC - Le Village 27109 - Le Vaudreuil Le Vaudreuil FRANCE
<i>Reference standards</i>	RINA Rules Pt.C, Ch.3, Sec. 6 and IEC 61800-3; IEC 61800-5-1

Issued in **HAMBURG** on **February 8, 2018**. This Certificate is valid until **February 7, 2023**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure



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ATV61 Series and ATV71 Series for Variable Speed Drives

Product description:

The Altivar 61 and Altivar 71 Variable speed controllers for synchronous or asynchronous motors :

Technical Data for 220 - 240 V supply:

Motor Power (kW)	Drive ATV61 References	Drive ATV71 References
0,37	-	ATV71H037M3 ⁽⁴⁾
0,75	ATV61H075M3 ⁽¹⁾⁽⁴⁾	ATV71H075M3 ⁽⁴⁾
1,5	ATV61HU15M3 ⁽¹⁾⁽⁴⁾	ATV71HU15M3 ⁽⁴⁾
2,2	ATV61HU22M3 ⁽¹⁾⁽⁴⁾	ATV71HU22M3 ⁽⁴⁾
3	ATV61HU30M3 ⁽¹⁾⁽⁴⁾	ATV71HU30M3 ⁽⁴⁾
4	ATV61HU40M3 ⁽²⁾⁽⁴⁾	ATV71HU40M3 ⁽²⁾⁽⁴⁾
5,5	ATV61HU55M3 ⁽²⁾⁽⁴⁾	ATV71HU55M3 ⁽²⁾⁽⁴⁾
7,5	ATV61HU75M3 ⁽²⁾⁽⁴⁾	ATV71HU75M3 ⁽²⁾⁽⁴⁾
11	ATV61HD11M3X ⁽³⁾⁽⁴⁾	ATV71HD11M3X ⁽³⁾⁽⁴⁾
15	ATV61HD15M3X ⁽³⁾⁽⁴⁾	ATV71HD15M3X ⁽³⁾⁽⁴⁾
18,5	ATV61HD18M3X ⁽³⁾⁽⁴⁾	ATV71HD18M3X ⁽³⁾⁽⁴⁾
22	ATV61HD22M3X ⁽³⁾⁽⁴⁾	ATV71HD22M3X ⁽³⁾⁽⁴⁾
30	ATV61HD30M3X ⁽³⁾⁽⁴⁾	ATV71HD30M3X ⁽³⁾⁽⁴⁾
37	ATV61HD37M3X ⁽³⁾⁽⁴⁾	ATV71HD37M3X ⁽³⁾⁽⁴⁾
45	ATV61HD45M3X ⁽³⁾⁽⁴⁾	ATV71HD37M3X ⁽³⁾⁽⁴⁾
55	ATV61HD55M3X ⁽³⁾⁽⁵⁾	ATV71HD55M3X ⁽³⁾⁽⁴⁾
75	ATV61HD75M3X ⁽³⁾⁽⁵⁾	ATV71HD75M3X ⁽³⁾⁽⁴⁾
90	ATV61HD90M3X ⁽³⁾⁽⁵⁾	-

⁽¹⁾ ATV61: For single-phase 0.75 to 7.5 kW range, select the next rating up.

⁽²⁾ For single-phase operation, select the next rating up and add a line choke.

⁽³⁾ Without EMC filter.

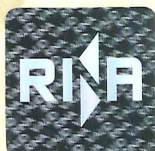
⁽⁴⁾ ATV61; Up to 45 kW, add the letter "Z" to the end of the reference for an Altivar 61 incorporating a 7-segment terminal.

⁽⁴⁾ ATV71; Add 383 at the end of the reference for an Altivar 71 for synchronous or asynchronous motors.

⁽⁵⁾ With integrated DC bus inductance.

Technical Data for 380 - 480 V supply:

Motor Power KW	Drive ATV61 References	Drive ATV71 References
0,75	ATV61H075N4 ⁽⁴⁾	ATV71H075N4 ⁽⁴⁾
1,5	ATV61HU15N4 ⁽⁴⁾	ATV71HU15N4 ⁽⁴⁾
2,2	ATV61HU22N4 ⁽⁴⁾	ATV71HU22N4 ⁽⁴⁾
3	ATV61HU30N4 ⁽⁴⁾	ATV71HU30N4 ⁽⁴⁾
4	ATV61HU40N4 ⁽⁴⁾	ATV71HU40N4 ⁽⁴⁾
5,5	ATV61HU55N4 ⁽⁴⁾	ATV71HU55N4 ⁽⁴⁾



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Technical Data for 380 - 480 V supply (continued):

Motor Power KW	Drive ATV61 References	Drive ATV71 References
7,5	ATV61HU75N4 ⁽⁴⁾	ATV71HU75N4 ⁽⁴⁾
11	ATV61HD11N4 ⁽⁴⁾	ATV71HD11N4 ⁽⁴⁾
15	ATV61HD15N4 ⁽⁴⁾	ATV71HD15N4 ⁽⁴⁾
18,5	ATV61HD18N4 ⁽⁴⁾	ATV71HD18N4 ⁽⁴⁾
22	ATV61HD22N4 ⁽⁴⁾	ATV71HD22N4 ⁽⁴⁾
30	ATV61HD30N4 ⁽⁴⁾	ATV71HD30N4 ⁽⁴⁾
37	ATV61HD37N4 ⁽⁴⁾	ATV71HD37N4 ⁽⁴⁾
45	ATV61HD45N4 ⁽⁴⁾	ATV71HD45N4 ⁽⁴⁾
55	ATV61HD55N4 ⁽⁴⁾	ATV71HD55N4 ⁽⁴⁾
75	ATV61HD75N4 ⁽⁴⁾	ATV71HD75N4 ⁽⁴⁾
90	ATV61HD90N4 ⁽⁵⁾	ATV71HD90N4 ⁽⁵⁾
110	ATV61HC11N4 ⁽⁵⁾	ATV71HC11N4 ⁽⁵⁾
132	ATV61HC13N4 ⁽⁵⁾	ATV71HC13N4 ⁽⁵⁾
160	ATV61HC16N4 ⁽⁵⁾	ATV71HC16N4 ⁽⁵⁾
200	ATV61HC22N4 ⁽⁵⁾	ATV71HC20N4 ⁽⁵⁾
220	ATV61HC22N4 ⁽⁵⁾	ATV71HC25N4 ⁽⁵⁾
250	ATV61HC25N4 ⁽⁵⁾	ATV71HC25N4 ⁽⁵⁾
280	ATV61HC31N4 ⁽⁵⁾	ATV71HC28N4 ⁽⁵⁾
315	ATV61HC31N4 ⁽⁵⁾	ATV71HC31N4 ⁽⁵⁾
355	ATV61HC40N4 ⁽⁵⁾	ATV71HC40N4 ⁽⁵⁾
400	ATV61HC40N4 ⁽⁵⁾	ATV71HC40N4 ⁽⁵⁾
500	ATV61HC50N4 ⁽⁵⁾	ATV71HC50N4 ⁽⁵⁾
630	ATV61HC63N4 ⁽⁵⁾	-

⁽⁴⁾ ATV61: Up to 75 kW, add the letter "Z" to the end of the reference for an Altivar 61 with a 7-segment display terminal. ATV71: Add 383 at the end of the reference for an Altivar 71 for synchronous or asynchronous motors.

⁽⁵⁾ With integrated DC bus inductance.

Technical Data for 500 - 690 V supply:

Motor Power KW	Drive ATV61 References	Drive ATV71 References
2,2	-	ATV71HU22Y
3	ATV61HU30Y	ATV71HU30Y
4	ATV61HU40Y ¹⁾	ATV71HU40Y
5,5	ATV61HU55Y	ATV71HU55Y
7,5	ATV61HU75Y	ATV71HU75Y
11	ATV61HD11Y	ATV71HD11Y
15	ATV61HD15Y	ATV71HD15Y
18,5	ATV61HD18Y	ATV71HD18Y
22	ATV61HD22Y	ATV71HD22Y
30	ATV61HD30Y	ATV71HD30Y
37	ATV61HD37Y	ATV71HD37Y
45	ATV61HD45Y	ATV71HD45Y
55	ATV61HD55Y	ATV71HD55Y



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Technical Data for 500 - 690 V supply (continued):

Motor Power KW	Drive ATV61 References	Drive ATV71 References
75	ATV61HD75Y	ATV71HD75Y
90	ATV61HD90Y	ATV71HD90Y
110	ATV61HC11Y ⁽¹⁾	ATV71HC11Y ⁽⁵⁾
132	ATV61HC13Y ⁽¹⁾	ATV71HC13Y ⁽⁵⁾
160	ATV61HC16Y ⁽¹⁾	ATV71HC16Y ⁽⁵⁾
200	ATV61HC20Y ⁽¹⁾	ATV71HC20Y ⁽⁵⁾
250	ATV61HC25Y ⁽¹⁾	ATV71HC25Y ⁽⁵⁾
315	ATV61HC31Y ⁽¹⁾	ATV71HC31Y ⁽⁵⁾
400	ATV61HC40Y ⁽¹⁾	ATV71HC40Y ⁽⁵⁾
500	ATV61HC50Y ⁽¹⁾	ATV71HC50Y ⁽⁵⁾
630	ATV61HC63Y ⁽¹⁾	ATV71HC63Y ⁽⁵⁾
800	ATV61HC80Y ⁽¹⁾	-

⁽¹⁾ Line choke mandatory. To be ordered separately

⁽⁵⁾ Line choke mandatory for ATV71HC11Y...HC63Y drives, unless a special transformer is used (12-pulse).

The line choke must be ordered separately.

⁽¹⁾ Line choke mandatory.

To be ordered separately

Documents:

- IEC 61800-3 - Semiconductor power converters for adjustable frequency drive systems environments 1 and 2.
- IEC 61800-5-1 - Adjustable speed electrical power drive systems safety requirements - Electrical, thermal and energy.
- UL508C - Power Conversion Equipment
- DNV Documentation for Type Approval including test reports
- Electrical Drawings No. 8S00077.01/04
- Description of Controllers, Doc. 60206-EN_Ver6.0

Additional Places of Production:

Schneider Suzhou Drives Co Ltd
No.555 Fengting Avenue,
SIP Suzhou 215121
P.R.China

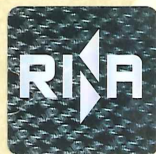
P.T. Schneider Electric Manufacturing Batam
Batamindo Industrial Park,
BLK 208, Muka kuning - Batam Island
Indonesia

Remarks:

- The products fulfill **EC-Code: 21**.
- The drawings concerning each installation on board ship are to be submitted to RINA for previous approval.
- This Certificate cover hardware and software for the basis of the apparatus listed on it.
- This Certificate not cover application software.

- This certificate replace the previous certificate No. ELE113812XG/001.

HAMBURG February 08, 2018



A handwritten signature in blue ink, appearing to be 'J. P. ...', is written over the RINA logo and extends to the right.

