


Reference No. STR L2560


Our ref. HEL-CERT210500523-01

STATEMENT OF TEST RESULTS

Product	Frequency converter module
Tested on request of	ABB Oy Drives Hiomotie 13, FI-00380, Helsinki, Finland
Name and address of the manufacturer	ABB Oy Drives Hiomotie 13, FI-00380, Helsinki, Finland
Name and address of the factory	See page 2
Rating and principal characteristics	For voltage, current and frequency ratings, see pages 3 and 4. Class I.
Trademark (if any)	
Type	ACS880-14, ACS880-34 (Frame R11), ACH580-14, ACH580-34 (Frame R11), ACQ580-14, ACQ580-34 (Frame R11), see pages 3 and 4 for detailed model listing.
Additional information (if any)	Sufficient samples of the product have been additionally tested and found to be in conformity with IEC 61800-5-1:2007+AMD1:2016 and EN 61800-5-1:2007/A1:2017.
Sufficient samples of the product have been tested and found to be in conformity with the standard (number and edition)	IEC 61800-5-1:2007 + A1:2016 EN 61800-5-1:2007 + A1:2017
As shown in the test report (reference No.)	HELES2102000142-1

This statement of test results is based on tested samples of the product. Samples of the product have been tested and found to be in conformity with above mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU).

This statement of test results is not a FI certificate thus not giving the right to use the FI or SGS FI mark on products, its packaging or any marketing material or activities.

Date of issue	26.5.2021
	SGS Fimko Ltd
Signature	
	Tom Törn Certification Director

Name and address of the factory

ABB Oy Drives
Hiomotie 13
FI-00380, Helsinki, Finland

ABB Inc., Drives & Power Products
16250 West Glendale Drive
WI 53151, New Berlin, Wisconsin,
United States of America

ABB Beijing Drive Systems Co Ltd.
No1, Blk D, A-10, Jiuxianqiao Beilu
Chaoyang District, Beijing, 100015, China

Additional information (if any)

Frequency converter modules:

ACS880-14 (regenerative drive module)
ACS880-34 (low harmonic drive module)
ACH580-14 (regenerative drive module)
ACH580-34 (low harmonic drive module)
ACQ580-14 (regenerative drive module)
ACQ580-34 (low harmonic drive module)

Ambient temperature during operation (°C) with/without derating:

+40 °C without de-rating
+55 °C with 1 % de-rating of rated output current per 1 K temperature increase above +40 °C.

Additional information:

Altitude max. 4000 m (non-corner earthed TN/TT networks)
Altitude max. 2000 m (other supply networks)

IP classes:

IP20

Ratings:

Model	Frame size	Input		Output		
		Un VAC	I1 (A)	I2 (A)	Pn (kW)	Sn (kVA)
246A-3	R11	400	212	246	132	170
293A-3	R11	400	257	293	160	203
363A-3	R11	400	321	363	200	251
442A-3	R11	400	401	442	250	306
505A-3	R11	400	401	505	250	350
585A-3	R11	400	505	585	315	405
650A-3	R11	400	569	650	355	450
240A-5	R11	500	169	240	132	208
260A-5	R11	500	205	260	160	225
361A-5	R11	500	257	361	200	313
414A-5	R11	500	321	414	250	359
460A-5	R11	500	404	460	315	398
503A-5	R11	500	455	503	355	436
142A-7	R11	690	123	142	132	170
174A-7	R11	690	149	174	160	208
210A-7	R11	690	186	210	200	251
271A-7	R11	690	232	271	250	324
330A-7	R11	690	293	330	315	394
370A-7	R11	690	330	370	355	442
430A-7	R11	690	375	430	400	514

with f1: 50/60 Hz, f2: 0...500 Hz and U2: 3~ 0...U1 V.

Model	Frame size	Input		Output		
		Un VAC	I1 (A)	I2 (A)	Pn (kW)	Sn (kVA)
413A-5	R11	500	317	413	250	286*

with f1: 50/60 Hz, f2: 0...500 Hz and U2: 3~ 0...U1 V.

*Calculated according to customer's application's 400V motor.

Model	Frame size	Input		Output
		Un VAC	I1 (A)	I2 (A)
ACH580-14/-34-..				
ACQ580-14/-34-..				
246A-4	R11	400	212	246
293A-4	R11	400	257	293
365A-4	R11	400	321	365
442A-4	R11	400	401	442
505A-4	R11	400	401	505
585A-4	R11	400	505	585
650A-4	R11	400	569	650
246A-4	R11	480	209	240
293A-4	R11	480	233	260
365A-4	R11	480	307	361
442A-4	R11	480	363	414
505A-4	R11	480	363	414
585A-4	R11	480	389	430
650A-4	R11	480	441	483

with f1: 50/60 Hz, f2: 0...500 Hz and U2: 3~ 0...U1 V.