



Certificate of Compliance

Certificate: 70215012 **Master Contract:** 206573
Project: 80197905 **Date Issued:** 2024-04-22
Issued to: ABB OY Drives
 Hiomotie 13,
 Helsinki, Uusimaa 00380
 Finland
 Attention: Bob Gill

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Franklin ten Haaf
 Franklin ten Haaf

PRODUCTS

C321116 INDUSTRIAL CONTROL EQUIPMENT - - Adjustable Speed Drives
 C321198 INDUSTRIAL CONTROL EQUIPMENT- - Adjustable Speed Drives - Certified to U.S. Standards

Adjustable Speed Drive, R4 to R9 frame sizes. Model ACS580, ACH580, ACQ580, AYK580 and ACS880* series. Electrical Rating 208 to 600Vac, 3 phase, 25.5 to 430A, ambient ratings of 35oC to 50oC. SCCR 100kA rms symmetrical with Class T fuse. Open type or enclosed Type 1 or 12, with motor overload protection. Note: *- ACS880 is applicable for frame R6 to R9 - Suffixes may follow the above naming and are as defined within this report under nomenclature.

Model(s)	Frame Size	Input Voltage	Phase	Input Frequency	Output Voltage	Output Frequency	Input Current	Output Current
ACx580-01-###A-2; AYK580-01-###A-2 (208 - 240Vac),	R4	208-240Vac	3ph (in- and output)	48-63Hz	208-240Vac	0 - 500Hz	74.8A	76A
	R5	208-240Vac	3ph (in- and output)	48-63Hz	208-240Vac	0 - 500Hz	88/89A	114/115A



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enclosure type 1 and 12	R6	208-240Vac	3ph (in- and output)	48-63Hz	208-240Vac	0 - 500Hz	114/115A	143/144
	R7	208-240Vac	3ph (in- and output)	48-63Hz	208-240Vac	0 - 500Hz	169/171	211/213
	R8	208-240Vac	3ph (in- and output)	48-63Hz	208-240Vac	0 - 500Hz	258/273	276
	R9	208-240Vac	3ph (in- and output)	48-63Hz	208-240Vac	0 - 500Hz	343	396
ACx580-01-###A-2; AYK580-01-###A-2 (220-240Vac), enclosure type 1 and 12	R4	220-240Vac	1ph input, 3ph output	47-63Hz	220-240Vac	0 - 500Hz	55.4A	28A
	R5	220-240Vac	1ph input, 3ph output	47-63Hz	220-240Vac	0 - 500Hz	81.2/110.7A	42/54A
	R6	220-240Vac	1ph input, 3ph output	47-63Hz	220-240Vac	0 - 500Hz	106/123A	46/60A
	R7	220-240Vac	1ph input, 3ph output	47-63Hz	220-240Vac	0 - 500Hz	158/211A	60/80A
	R8	220-240Vac	1ph input, 3ph output	47-63Hz	220-240Vac	0 - 500Hz	248/264A	143/151A
	R9	220-240Vac	1ph input, 3ph output	47-63Hz	220-240Vac	0 - 500Hz	343/396A	169/213A
ACx580-01-###A-4; AYK580-01-###A-4 (380-415Vac), enclosure type 1 and 12	R4	380-415Vac	3ph (in- and output)	48-63Hz	380-415Vac	0 - 500Hz	62A	73A
	R5	380-415Vac	3ph (in- and output)	48-63Hz	380-415Vac	0 - 500Hz	88A	106A
	R6	380-415Vac	3ph (in- and output)	48-63Hz	380-415Vac	0 - 500Hz	105A	145A
	R7	380-415Vac	3ph (in- and output)	48-63Hz	380-415Vac	0 - 500Hz	169A	206A
	R8	380-415Vac	3ph (in- and output)	48-63Hz	380-415Vac	0 - 500Hz	246A	293A
	R9	380-415Vac	3ph (in- and output)	48-63Hz	380-415Vac	0 - 500Hz	363A	430A

Model(s)	Type	Input Voltage	Phase	Input Frequency	Output Voltage	Output Frequency	Input Current	Output Current
ACx580-01-###A-4; AYK580-01-###A-4 (440-	R4	440-480Vac	3ph (in- and output)	48-63Hz	440-480Vac	0 - 500Hz	52/65A	77A
	R5	440-480Vac	3ph (in- and output)	48-63Hz	440-480Vac	0 - 500Hz	77A	96A



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480Vac), enclosure type 1 and 12	R6	440-480Vac	3ph (in- and output)	48-63Hz	440-480Vac	0 - 500Hz	96A	124A
	R7	440-480Vac	3ph (in- and output)	48-63Hz	440-480Vac	0 - 500Hz	156A	180A
	R8	440-480Vac	3ph (in- and output)	48-63Hz	440-480Vac	0 - 500Hz	240A	260A
	R9	440-480Vac	3ph (in- and output)	48-63Hz	440-480Vac	0 - 500Hz	302/316A	414A

Model(s)	Frame Size	Input Voltage	Phase	Input Frequency	Output Voltage	Output Frequency	Input Current	Output Current
ACx580-01-###A-6; AYK580-01-###A-6 (500-600Vac), enclosure type 1 and 12	R5	500-600Vac	3ph (in- and output)	48-63Hz	500-600Vac	0 - 500Hz	41/52A	62/77A
	R6	500-600Vac	3ph (in- and output)	48-63Hz	500-600Vac	0 - 500Hz	62A	77A
	R7	500-600Vac	3ph (in- and output)	48-63Hz	500-600Vac	0 - 500Hz	99A	125A
	R8	500-600Vac	3ph (in- and output)	48-63Hz	500-600Vac	0 - 500Hz	144A	144A
	R9	500-600Vac	3ph (in- and output)	48-63Hz	500-600Vac	0 - 500Hz	192/242A	271A

Note - For all tables listed above:

- Electrical Current Rating above are based on 40 °C, and shall be de-rate 5% for 45 °C ambient, and 10% for 50 °C ambient unless otherwise stated below:
- For specific R6 to R9 models with ratings 414A-4, 430A-4, 192A-6, 242A-6 the base max ambient will be 35 °C, and be de-rate at 5% for 40 °C, 10% for 45 °C, and 15% for 50 °C.

APPLICABLE REQUIREMENTS

CSA C22.2 NO. 274-17 (Second Edition) (R2021) - Adjustable speed drives - Second Edition; Errata: April 2017

UL 508C (Fourth Ed.) - Standard for Safety for Power Conversion Equipment



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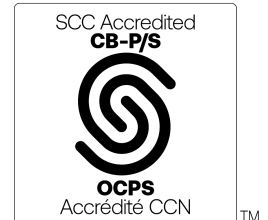
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Notes:

Products certified under Class(es) C321116 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80197905	2024-04-22	Update to Report 70215012 to include OEM-specific set model AYK580-01
70215012	2019-03-22	Original Certification for Variable Frequency Drive Model ACS580, ACH580, ACQ580 and ACS880 with frame R4 to R9