



**TYPE APPROVAL CERTIFICATE**  
No. **ELE114818XG**

**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>	<b>Variable speed drives for A.C motors</b>
<i>Type</i>	<b>ACS880-01 Series</b>
<i>Applicant</i>	<b>ABB OY - MANAGEMENT AND PROJECTS HIOMOTIE 13 HELSINKI FINLAND</b>
<i>Manufacturer</i>	<b>ABB OY - MANAGEMENT AND PROJECTS</b>
<i>Place of manufacture</i>	<b>HIOMOTIE 13 HELSINKI FINLAND</b>
<i>Reference standards</i>	<b>Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.</b>

**Issued in Hamburg on March 22, 2019. This Certificate is valid until March 21, 2024**

RINA Services S.p.A.  
**Giuseppe Russo**

**This certificate consists of this page and 1 enclosure**



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ACS880-01 Series

### ...Product description:

The ACS880-01 series are wall mounted or cabinet-built frequency drives for normal, light or heavy loads.

#### **Type: ACS880-01-aaaa-2**

aaaa - Rating: 04A6; 06A6; 07A5; 10A6; 16A8, 24A3; 031A; 046A; 061A; 075A; 087A; 115A; 145A; 170A; 206A; 274A

Voltage: 230V AC

Power range: 0.55 to 75kW

#### **Type: ACS880-01-aaaa-3**

aaaa - Rating: 02A4; 03A3; 04A0; 05A6; 07A2; 09A4; 12A6; 017A; 025A; 032A; 038A; 045A; 061A; 072A; 087A; 105A; 145A; 169A; 206A; 246A; 293A; 363A; 430A

Voltage: 400V

Power range: 0.55 to 250kW

#### **Type: ACS880-01-aaaa-4**

aaaa - Rating: 02A0; 02A8; 03A2; 04A6; 04A9; 07A2; 10A4; 013A; 019A; 026A; 032A; 038A; 049A; 062A; 073A; 091A; 118A; 148A; 171A; 228A; 247A; 343A; 393A

Voltage: 440V AC

Power range: 0.55 to 250kW

#### **Type: ACS880-01-aaaa-5**

aaaa - Rating: 02A1; 03A0; 03A4; 04A8; 05A2; 07A6; 11A0; 014A; 021A; 027A; 034A; 040A; 052A; 065A; 077A; 096A; 124A; 156A; 180A; 240A; 260A; 361A; 414A

Voltage: 500V

Power range: 0.55 to 250kW

#### **Type: ACS880-01-aaaa-7**

aaaa - Rating: 07A4; 09A9; 14A3; 019A; 023A; 027A; 07A3; 09A8; 14A2; 018A; 022A; 026A; 035A; 042A; 049A; 061A; 084A; 098A; 119A; 142A; 174A; 210A; 271A

Voltage: 690V AC

Power range: 4 to 250kW

### **Main data:**

Degree of protection: IP20, IP21 or IP55

Marine approval consist of the following options:

+C132 Marine type approved drive requires:

- Option +C131 in wall installations for frames R4 to R9

- Option +E208 for frames R6 to R9

(+C131 Vibration dampers for frame R4 to R9 in wall installation)

(+E208 Common mode filter for frames R6 to R9)

### **Documents:**

Catalogue: - 3AUA0000098111 REV N EN 17.4.2018;

Hardware manuals and guides: - 3AUA0000078093 Rev M (EN) EFFECTIVE 2017-08-08; 3AUA0000085966;

- 3AUA0000099663; 3AUA0000099689; 3AUA0000145446; 3AUA0000119627; 3AUA0000085685; 3AXD50000010521;

Drive firmware manuals and guides: - 3AUA0000085967; 3AUA0000098062;

Option manuals and guides: - Supplement-01+C132 marine type-approved drives;

- 3AXD50000015178, 3AXD50000015179, 3AXD50000015180,

### **Test reports:**

ABB: - List\_of\_Type\_Tests\_3AXD10000114572; 3AFE002571\_B; 3AXD00000596052; 3AXD10000021409;

- 3AXD10000021814-19; 3AXD10000021889-94; 3AXD10000024136; 3AXD10000024767-69;

- 3AXD10000026305; 3AXD10000026406-09; 3AXD10000027032; 3AXD10000027073; 3AXD10000027146;

- 3AXD10000027195; 3AXD10000027230; 3AXD10000027621; 3AXD10000028559; 3AXD10000029807;

- 3AXD10000034648; 3AXD10000034777; 3AXD10000035090; 3AXD10000036352; 3AXD10000038457;

- 3AXD10000039108; 3AXD10000040025; 3AXD10000040042; 3AXD10000040403; 3AXD10000041041;

- 3AXD10000041059; 3AXD10000041150; 3AXD10000041436; 3AXD10000042355; 3AXD10000042711;

- 3AXD10000046573; 3AXD10000046584; 3AXD10000046590; 3AXD10000047005; 3AXD10000047006;

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**ACS880-01 Series**

**Test reports (continues):**

**ABB:** - 3AXD10000047200; 3AXD10000052740; 3AXD10000052741; 3AXD10000056383; 3AXD10000056384;  
- 3AXD10000057482; 3AXD10000057483; 3AXD10000058318; 3AXD10000058319; 3AXD10000062989;  
- 3AXD10000063852; 3AXD10000064202; 3AXD10000064203-05; 3AXD10000064941; 3AXD10000066610;  
- 3AXD10000067104; 3AXD10000067141; 3AXD10000067142; 3AXD10000071397; 3AXD10000075140;  
- 3AXD10000080707; 3AXD10000081248; 3AXD10000085313; 3AXD10000085546; 3AXD10000087746;  
- 3AXD10000088411; 3AXD10000096222; 3AXD10000508543; 3AXD10000603111; 3AXD10000603369;  
- 3AXD10000611661; 3AXD10000613080; 3AXD10000614135; 3AXD10000619906; 3AXD10000619912;  
- 3AXD10000665893;  
**SGS Firmko Ltd.:** - 28515-2-1 dated 22 November 2016; 28515-2-2 dated 22 November 2016;  
- 286948-1 dated 08.08.2017; 290245-1-1 dated 29 September 2017; 290542-1 dated 2 January 2018;  
**UL:** - ACS880 R3 Merille 15 kW Temp Rise; ACS880 R3 Merille 22 kW Report;  
**VTT Expert Services LTD:** - VTT-S-05334-16 dated December 12; 2016;

**Remarks:**

- The products fulfill EC-Code: 3a1.
  - Installation and use to be in accordance with the manufacturer instructions.
  - The catalogue ratings apply at an ambient temperature of 45°C. A derating is to be considered if converters will be installed in a cabinet.
  - The equipment fulfill the EMC requirements for installation in power distribution zone.
- This certificate annuls and replaces the previous one ELE348115CS.

**Hamburg March 22, 2019**

