

**Danfoss A/S**6430 Nordborg
Denmark
CVR nr.: 20 16 57 15Telephone: +45 7488 2222
Fax: +45 7449 0949**EU DECLARATION OF CONFORMITY****Danfoss A/S****Danfoss Drives**

declares under our sole responsibility that the **VACON® 20 CP and VACON® 20 X AC drives**

Product category: Frequency Converter

Type designation(s): VACON0020-XX-YYYY-Z-W****

Character X: 1L, 3L

Character Y: 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0011, 0012, 0016, 0017

Character Z: 2, 4

Character W: X, CP

* may be any number or letter indicating drive options which do not impact this DoC.

Covered by this declaration is in conformity with the following directive(s), regulation(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

Low Voltage Directive [2014/35/EU]

EN 61800-5-1:2007

Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy

EMC Directive [2014/30/EU]



EN 61800-3:2004+A1:2012

Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods

RoHS Directive [2011/65/EU including amendment 2015/863]

EN IEC 63000:2018

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Date: 2021.08.25 Place of issue: Vaasa	Issued by  Signature: Name: Hans Carlsson Title: Director, Regional Product Management	Date: 2021.08.25 Place of issue: Vaasa	Approved by  Signature: Name: Timo Kasi Title: VP, Product Management and Development Finland
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Danfoss only vouches for the correctness of the English version of this declaration. In the event of the declaration being translated into any other language, the translator concerned shall be liable for the correctness of the translation

Machine Directive 2006/42/EC

EN 61800-5-2:2016
(Safe Torque Off – Safe Stop function)

Adjustable speed electrical power drive systems - Part 5-2: Safety requirements – Functional

Commission Regulation (EU) 2019/1781 under the Ecodesign Directive 2009/125/EC including amendment in Commission Regulation (EU) 2021/341

IEC 61800-9-2:2017

Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications - Energy efficiency indicators for power drive systems and motor starters.

Other standards considered:

EN 60204-1:2018
(Emergency Stop - Safety function)

Safety of machinery - Electrical equipment of machines Part1: General requirements

EN ISO 13849-1:2015
(Safe Stop function)

Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design

EN 62061:2015
(Safe Stop function)

Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems

Product Safety Functions: Safe Torque Off (IEC 61800-5-2:2016) and Emergency Stop (IEC 60204-1:2016 in extracts) available only on three-phase models.

Notified body that carried out the EC type examination:

TÜV Rheinland Industrie Service GmbH,

Am Grauen Stein

51105 Köln / Germany

Certification Body for Machinery NB 0035, Certificate No. 01/205/5215.01/17 (applied to 480V, 500V)

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Electrical Equipment (Safety) Regulations 2016

BS EN 61800-5-1:2007

Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy

Electromagnetic Compatibility Regulations 2016



BS EN 61800-3:2004+A1:2012

Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 as amended

BS EN IEC 63000:2018

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Supply of Machinery (Safety) Regulations 2008

BS EN 61800-5-2:2016 Adjustable speed electrical power drive systems - Part 5-2: Safety requirements – Functional
(Safe Torque Off – Safe Stop function)

UK Statutory Instrument 2021 No 745: The Ecodesign for Energy-Related Products and Energy Information Regulations 2021, Chapter 6 & Schedules 16-18.

BS IEC 61800-9-2:2017 Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications - Energy efficiency indicators for power drive systems and motor starters.

Other standards considered:

BS EN 60204-1:2018 Safety of machinery - Electrical equipment of machines Part1: General requirements
(Emergency Stop - Safety function)

BS EN ISO 13849-1:2015 Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design
(Safe Stop function)

BS EN 62061:2015 Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
(Safe Stop function)