ENGINEERING TOMORROW

Danfoss A/S
6430 Nordborg
Denmark
CVR nr.: 20 16 57 15

Telephone: +45 7488 2222
Fax: +45 7449 0949

EU DECLARATION OF CONFORMITY

Danfoss A/S

Vacon

declares under our sole responsibility that the **VACON® 100 AC drives**

Product category: Frequency Converter

Type designation(s): VACON0100-3L-XXXX-Y-ZZZZ****

Character X: 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0016, 0018, 0022, 0023, 0024, 0027, 0031, 0034, 0038, 0041, 0046, 0048, 0052, 0061, 0062, 0072, 0075, 0080, 0087, 0088, 0100, 0105, 0125, 0140, 0144, 0170, 0205, 0208, 0261, 0262, 0310, 0325, 0385, 0386, 0416, 0460, 0461, 0520, 0521, 0590, 0650, 0651, 0730, 0731, 0750, 0820, 0920, 1040, 1180

Character Y: 2, 5, 6, 7

Character Z: Empty, FLOW, HVAC

* 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 EN 61800-5-1:2007+A1:2017 EN 61800-5-1:2007+A11:2021	Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy

EMC Directive [2014/30/EU]

EN 61800-3:2004 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: 2023.07.11 **Place of issue:** Helsinki	**Issued by** DocuSigned by: Jarmo Tirkkonen 1D4642BDD96D44A... **Signature:** **Name: Jarmo Tirkkonen** **Title: Product owner**	**Date:** 2023.07.11 **Place of issue:** Helsinki	**Approved by** DocuSigned by: Jussi Sihvola 873CADA0558F43A... **Signature:** **Name: Jussi Sihvola** **Title: Head of Performance Products**

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

EN 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.

Machinery Directive 2006/42/EC

EN 61800-5-2:2007 (Safe Stop function conforms with STO – Safe Torque Off, SIL 3 Capability)	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional

Other standards considered:

EN 60204-1:2018 (Stop Category 0)	Safety of machinery - Electrical equipment of machines Part1: General requirements

Vacon 100 AC Drive equipped with OPTBJ (STO and ATEX option board). The following apply:

EN ISO 13849-1:2015 (STO up to PL e / Cat.3)	Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design
EN 61508 Parts 1-7:2010 (STO up to SIL 3 / SIL CL 3)	Functional safety of electrical/ electronic/ programmable electronic safety-related systems
EN 62061:2005+A1:2013+A2:2015 (STO up to SIL 3 / SIL CL 3)	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems

ENGINEERING TOMORROW

Danfoss A/S
6430 Nordborg
Denmark
CVR nr.: 20 16 57 15

Telephone: +45 7488 2222
Fax: +45 7449 0949

UK DECLARATION OF CONFORMITY

Danfoss A/S

Vacon

declares under our sole responsibility that the **VACON® 100 AC drives**

Product category: Frequency Converter

Type designation(s): VACON0100-3L-XXXX-Y-ZZZZ****

Character X: 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0016, 0018, 0022, 0023, 0024, 0027, 0031, 0034, 0038, 0041, 0046, 0048, 0052, 0061, 0062, 0072, 0075, 0080, 0087, 0088, 0100, 0105, 0125, 0140, 0144, 0170, 0205, 0208, 0261, 0262, 0310, 0325, 0385, 0386, 0416, 0460, 0461, 0520, 0521, 0590, 0650, 0651, 0730, 0731, 0750, 0820, 0920, 1040, 1180

Character Y: 2, 5, 6, 7

Character Z: Empty, FLOW, HVAC

* 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.

Electrical Equipment (Safety) Regulations 2016

BS EN 61800-5-1:2007 BS EN 61800-5-1:2007+A1:2017 BS EN 61800-5-1:2007+A11:2021	Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy

Electromagnetic Compatibility Regulations 2016

BS EN 61800-3:2004 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	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Date: 2023.07.11 **Place of issue:** Helsinki	**Issued by** DocuSigned by: Jarmo Tirkkonen 1D4642BDD96D44A... **Signature:** **Name: Jarmo Tirkkonen** **Title: Product owner**	**Date:** 2023.07.11 **Place of issue:** Helsinki	**Approved by** DocuSigned by: Jussi Sihvola 873CADA0558F43A... **Signature:** **Name: Jussi Sihvola** **Title: Head of Performance Products**

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

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

BS EN 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.

Supply of Machinery (Safety) Regulations 2008

BS EN 61800-5-2:2007 (Safe Stop function conforms with STO – Safe Torque Off, SIL 3 Capability)	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional

Other standards considered:

BS EN 60204-1:2018 (Stop Category 0)	Safety of machinery - Electrical equipment of machines Part1: General requirements

Vacon 100 AC Drive equipped with OPTBJ (STO and ATEX option board). The following apply:

BS EN ISO 13849-1:2015 (STO up to PL e / Cat.3)	Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design
BS EN 61508 Parts 1-7:2010 (STO up to SIL 3 / SIL CL 3)	Functional safety of electrical/ electronic/ programmable electronic safety-related systems
BS EN 62061:2005+A1:2013+A2:2015 (STO up to SIL 3 / SIL CL 3)	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems