



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® NXC AC drives**

**Product category:** Frequency Converter

**Type designation(s):** NXC 0000 5 A 2 L 0 YWV XXXXX\*\*\*\*

Characters can be replaced by following:

Character 0000: 0125, 0144, 0170, 0208, 0261, 0300, 0325, 0385, 0416, 0460, 0502, 0520, 0590, 0650, 0730, 0750, 0820, 0920, 1030, 1150, 1180, 1300, 1450, 1500, 1770, 1900, 2150, 2250, 2700

Character 5: 5, 6

Character A: A, B, F, G

Character 2: 2, 5

Character L: L, T

Character 0: 0, 1

Character Y: S, T, R

Character W: S

Character V: F, N, G, O

Character XXXXX: Option board slots

\* 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

<p>Date: 2023.07.11 Place of issue: Helsinki</p>	<p>Issued by DocuSigned by: <b>Jarmo Tirkkonen</b> Signature: 1D4642BDD96D44A... Name: Jarmo Tirkkonen Title: Product owner</p>	<p>Date: 2023.07.11 Place of issue: Helsinki</p>	<p>Approved by DocuSigned by: <b>Jari Marjo</b> Signature: A614AA2339E943D... Name: Jari Marjo Title: Head of System Products</p>
--	---	--	---

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

**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

**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 61439-1:2011

(Enclosure section)

Low-voltage switchgear and controlgear assemblies - Part 1: General rules

EN 61439-2:2011

(Enclosure section)

Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies

EN 60204-1:2018

(Stop category 0)

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

Vacon NXP3 control board equipped with OPT-AF. The following apply:

EN ISO 13849-1:2015

(Category 3 / PL e)

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

DIN EN 81-20:2014-11

(SIL 3 and HFT 1)

Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts

Vacon NXP3 control board equipped with OPT-BL, OPT-BM, OPT-BN. The following apply:

EN ISO 13849-1:2015

(Category 4 / PL e)

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

EN 61508-1 to -3:2010

(STO, SBC, SS1, SS2, SOS, SLS, SMS, SSR, SSM  
up to SIL 3 capability)

Functional safety of electrical/ electronic/ programmable electronic safety-related systems

Part 1: General requirements

Part 2: Requirements for electrical/ electronic/ programmable electronic safety-related systems

Part 3: Software Requirements

EN 62061:2005+A1:2013+A2:2015

(Safe Stop function)

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

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



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® NXC AC drives**

**Product category:** Frequency Converter

**Type designation(s):** NXC 0000 5 A 2 L 0 YWV XXXXX\*\*\*\*

Characters can be replaced by following:

Character 0000: 0125, 0144, 0170, 0208, 0261, 0300, 0325, 0385, 0416, 0460, 0502, 0520, 0590, 0650, 0730, 0750, 0820, 0920, 1030, 1150, 1180, 1300, 1450, 1500, 1770, 1900, 2150, 2250, 2700

Character 5: 5, 6

Character A: A, B, F, G

Character 2: 2, 5

Character L: L, T

Character 0: 0, 1

Character Y: S, T, R

Character W: S

Character V: F, N, G, O

Character XXXXX: Option board slots

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

<p>Date: 2023.07.11 Place of issue: Helsinki</p>	<p>Issued by</p> <p>DocuSigned by:</p> <p><b>Jarmo Tirkkonen</b></p> <p>Signature: 1D4642BDD96D44A...</p> <p>Name: Jarmo Tirkkonen</p> <p>Title: Product owner</p>	<p>Date: 2023.07.11 Place of issue: Helsinki</p>	<p>Approved by</p> <p>DocuSigned by:</p> <p><b>Jari Marjo</b></p> <p>Signature: A614AA2339E943D...</p> <p>Name: Jari Marjo</p> <p>Title: Head of System Products</p>
--	--	--	--

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

**Electromagnetic Compatibility Regulations 2016**

BS EN 61800-3:2004	Adjustable speed electrical power drive systems - Part 3: EMC
BS EN 61800-3:2004+A1:2012	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
----------------------	--

**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 61439-1:2011 (Enclosure section)	Low-voltage switchgear and controlgear assemblies - Part 1: General rules
---	---

BS EN 61439-2:2011 (Enclosure section)	Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies
---	---

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

Vacon NXP3 control board equipped with OPT-AF. The following apply:

BS EN ISO 13849-1:2015 (Category 3 / PL e)	Safety of machinery — Safety-related parts of control systems – Part 1: General principles for design
---	---

BS DIN EN 81-20:2014-11 (SIL 3 and HFT 1)	Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts
--	---

Vacon NXP3 control board equipped with OPT-BL, OPT-BM, OPT-BN. The following apply:

BS EN ISO 13849-1:2015 (Category 4 / PL e)	Safety of machinery — Safety-related parts of control systems – Part 1: General principles for design
---	---

BS EN 61508-1 to -3:2010 (STO, SBC, SS1, SS2, SOS, SLS, SMS, SSR, SSM up to SIL 3)	Functional safety of electrical/ electronic/ programmable electronic safety-related systems Part 1: General requirements Part 2: Requirements for electrical/ electronic/ programmable electronic safety-related systems Part 3: Software Requirements
---	---

BS EN 62061:2005+A1:2013+A2:2015 (Safe Stop function)	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
--	--

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