



Danfoss A/S

DK-6430 Nordborg
Denmark
CVR nr.: 20 16 57 15

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

EU DECLARATION OF CONFORMITY

Danfoss A/S
Danfoss Drives

declares under our sole responsibility that the product **VLT® Refrigeration Drive series**

Typecodes:

FC-103XYYYYZ*****

Where:

Character X: N or P

Character YYY: 1K1, 1K5, 2K2, 3K0, 3K7, 4K0, 5K5, 7K5, 11K, 15K, 18K, 22K, 30K, 37K, 45K, 55K, 75K, 90K, 110, 132, 160, 200, 250, 315, 400, 450, 500, 560, 630, 710.

Character ZZ: T2, T4, T6, T7

* 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), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

Low Voltage Directive 2014/35/EU

EN61800-5-1:2007 + A1:2017

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

EMC Directive 2014/30/EU

EN61800-3:2004 + A1:2012

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

RoHS Directive 2011/65/EU

EN50581:2012

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

The meaning of the 39 characters in the type code string can be found in appendix 00729776.

Date: 9/14 2018	Issued by Signature: Name: Leo Birkkjær Lauritsen Title: Head of Connectivity, UI and 3 rd Party Products	Date: 17/4 - 2018	Approved by Signature: Name: Michael Termansen Title: VP, Design Center DK and DE
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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.

For products including available Safe Torque Off (STO) function according to unit typecode on the nameplate: **T at character 18 of the typecode.**

Machine Directive 2006/42/EC

EN/IEC 61800-5-2:2007

(Safe Stop function conforms with STO – Safe Torque Off, SIL 2 Capability)

Adjustable speed electrical power drive systems
– Part 5-2: Safety requirements – Functional**Other standards considered:**

EN ISO 13849-1:2015

(Safe Stop function, PL d

(MTTFd=14000 years, DC=90%, Category 3)

EN/IEC 61508-1:2011, EN/IEC 61508-2:2011

(Safe Stop function, SIL 2 (PFH = 1E-10/h, 1E-8/h for specific variants, PFD = 1E-10, 1E-4 for specific variants, SFF>99%, HFT=0))

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

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

Safety of machinery - Functional safety of

safety-related electrical, electronic and

programmable electronic control systems

Safety of machinery - Electrical equipment of

machines - Part 1: General requirements

EN/IEC 62061:2005 + A1:2013

(Safe Stop function, SILCL 2)

EN/IEC 60204-1:2006 + A1:2009

(Stop Category 0)

Further information can be found in manufacturers declarations:

EU Declaration of conformity 00730213 A.1, 00730215 A.1 and 00730217 A.1 or newer /

Manufacturers declaration 00596226 A.9 or newer.