



Danfoss A/S

6430 Nordborg
Denmark

CVR nr.: 20 16 57 15

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EU DECLARATION OF CONFORMITY

Danfoss A/S

Danfoss Drives

declares under our sole responsibility that the **iC7 Series Air-cooled System Modules and Enclosed Drives**

Product category: Drive units

Type designation(s): iC7-60xAyy05-zzzzEwwFp+*****

Character x: S or E.

Character yy: 3A, 3H, GC or IN.

Character zzzz: 317A, 385A, 400A, 480A, 514A, 580A, 590A, 650A, 658A, 730A, 816A, 820A, 880A, 920A, 1000, 1030, 1100, 1210, 1260, 1410, 1450, 1630, 1710, 1760, 1860, 1960, 2120, 2150, 2340, 2450, 2510, 2640, 2800, 2880, 3060, 3270, 3280, 3420, 3600, 3650, 4060, 4080, 4320, 4500, 4870, 4900, 5300, 5700, 6100, 6500

Character ww: 00, 21 or 54.

Character p: 3 or 4.

Character *: Options

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

EN 62477-1:2012

EN 62477-1:2012+A11:2014

EN 62477-1:2012+A1:2017

EN 62477-1:2012+A12:2021

Safety requirements for power electronic converter systems and equipment - Part 1: General

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

<p>Date: 2024.10.02 Place of issue: Vaasa</p>	<p>Issued by DocuSigned by: Kaj Rolander Signature: 648EDA550CDB499... Name: Kaj Rolander Title: Product Owner</p>	<p>Date: 2024.10.02 Place of issue: Helsinki</p>	<p>Approved by DocuSigned by: Jari Marjo Signature: A614AA2339E943D... Name: Jari Marjo Title: Head of System Products</p>
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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

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
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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.
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Machinery Directive [2006/42/EC] (Applicable for drives equipped with +BEF2)

EN 61800-5-2:2007 (STO, SS1-t up to SIL 3 capability)	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional
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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

Drives equipped with +BEF2. The following apply:

EN 60204-1:2018 (Stop category 0)	Safety of machinery - Electrical equipment of machines Part1: General requirements
EN ISO 13849-1:2015 (Category 3 / PL e)	Safety of machinery - Safety-related parts of control systems – Part 1: General principles for design
EN 61508 Parts 1-3:2010 (STO, SS1-t 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

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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

BS EN 61800-5-1:2007+A1:2017

BS EN 61800-5-1:2007+A11:2021

BS EN 62477-1:2012 Safety requirements for power electronic converter systems and equipment - Part 1: General

BS EN 62477-1:2012+A11:2014

BS EN 62477-1:2012+A1:2017

BS EN 62477-1:2012+A12:2021

Date: 2024.10.02 Place of issue: Vaasa	Issued by Kaj Rolander Signature: 648EDA550CDB499... Name: Kaj Rolander Title: Product Owner	Date: 2024.10.02 Place of issue: Helsinki	Approved by Jari Marjo Signature: A614AA2339E943D... Name: Jari Marjo Title: Head of System Products
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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
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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.
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Supply of Machinery (Safety) Regulations 2008 (Applicable for drives equipped with +BEF2)

BS EN 61800-5-2:2007	Adjustable speed electrical power drive systems - Part 5-2: Safety
(STO, SS1-t up to SIL 3 capability)	requirements - Functional

Other standards considered:

BS EN 61439-1:2011	Low-voltage switchgear and controlgear assemblies - Part 1:
(Enclosure Section)	General rules

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

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

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

BS EN 61508 Parts 1-3:2010	Functional safety of electrical/electronic/programmable
(STO, SS1-t up to SIL 3 capability)	electronic safety-related systems
	Part 1: General requirements
	Part 2: Requirements for electrical/electronic/programmable
	electronic safety-related systems
	Part 3: Software requirements

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Certificate Of Completion

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