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MANUFACTURER'S DECLARATION

Declaration Of Energy Classes

Danfoss A/S

Hydronic balancing and control

declares under our sole responsibility that the

Product category: Balancing valves
Type designation(s): AB-QM, ASV-PV, AB-PM

Product category: Radiator valves
Type designation(s): RA-DV, RA-IN, RA-N, RA-U, RA-UN, RA-UR

Product category: Sensors
Type designation(s): Eco™, Ally™
Type designation(s): RAX, Aveo™, Aero™, React™, Redia™; Regus™, RAS-C2, RAS-D2, RAX-K

Product category: Actuators
Type designation(s): Novocon S, AME 110NL

covered by this declaration have designated energy classes in conformity with the following standard(s), provided that the product is used in accordance with our instructions.

ISO 52120-1

Energy performance of buildings – Contribution of building automation, control and buildings management – Part 1: General framework and procedures (ISO 52120-1:2021)

Date: 2023-12-19 Place of issue: Ljubljana	Issued by Signature: Name: Matjaž Osojnik Title: Product Portfolio Director	Date: 2023-12-19 Place of issue: Ljubljana	Approved by Signature: Name: Samo Krančan Title: Sustainability Director
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Emission control		1.1 Heating		3.1 Cooling	
Sensors for radiator valves		Residential	Non residential	Residential	Non residential
Danfoss RAX	Mechanical sensor	C	C	/	/
Danfoss Aveo™	Mechanical sensor	C	C	/	/
Danfoss Aero™	Mechanical sensor	C	C	/	/
Danfoss React™	Mechanical sensor	C	C	/	/
Danfoss Redia™	Mechanical sensor	C	C	/	/
Danfoss Regus™	Mechanical sensor	C	C	/	/
Danfoss RAS-C2	Mechanical sensor	C	C	/	/
Danfoss RAS-D2	Mechanical sensor	C	C	/	/
RA Remote setting	Mechanical sensor	C	C	/	/
Danfoss RAX-K	Mechanical sensor	C	C	/	/
Danfoss Eco™	Electronic sensor	B	B	/	/
Danfoss Ally™	Electronic sensor	B	B	/	/
Actuators		Residential	Non residential	Residential	Non residential
Danfoss AME 110NL	Gear actuator	C/A*	C/A*	C/A*	C/A*
Danfoss Novocon S	Digital actuator	B/A*	B/A*	B/A*	B/A*
* when BMS connected room controller with presence detection functionality is used					
Hydronic balancing		1.4.a Heating		3.4.a Cooling	
Valve at emitter		Residential	Non residential	Residential	Non residential
Danfoss RA-DV	Dynamic valve	A	A	/	/
Danfoss AB-QM	PICV	A	A	A	A
Emitter and group balance					
Valve at emitter		Group valve		Residential	Non residential
Danfoss RA-IN	Pre-setting valve	Danfoss ASV-PV	Dynamic balancing valve	B	C
Danfoss RA-N				B	C
Danfoss RA-U				B	C
Danfoss RA-UN				B	C
Danfoss RA-UR				B	C
Danfoss RA-N (BIV)				B	C
Danfoss RA-IN	Pre-setting valve	Danfoss AB-PM	Dynamic balancing valve	B	C
Danfoss RA-N				B	C
Danfoss RA-U				B	C
Danfoss RA-UN				B	C
Danfoss RA-UR				B	C
Danfoss RA-N (BIV)				B	C

Legend:

Dynamic valve	Pressure independent radiator valve with presetting function
Pre-setting valve	Radiator valve with pre-setting function
Pre-setting BIV	Underfloor heating built-in valve in manifolds type FHF-(F) & SSM-(F) with pre-setting function
PICV	Pressure independent control valve
Gear actuator	Modulating actuator with analog control signal
Digital actuator	Modulating actuator with digital control signal and communication
Dynamic balancing valve	Differential pressure controller for group balancing

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