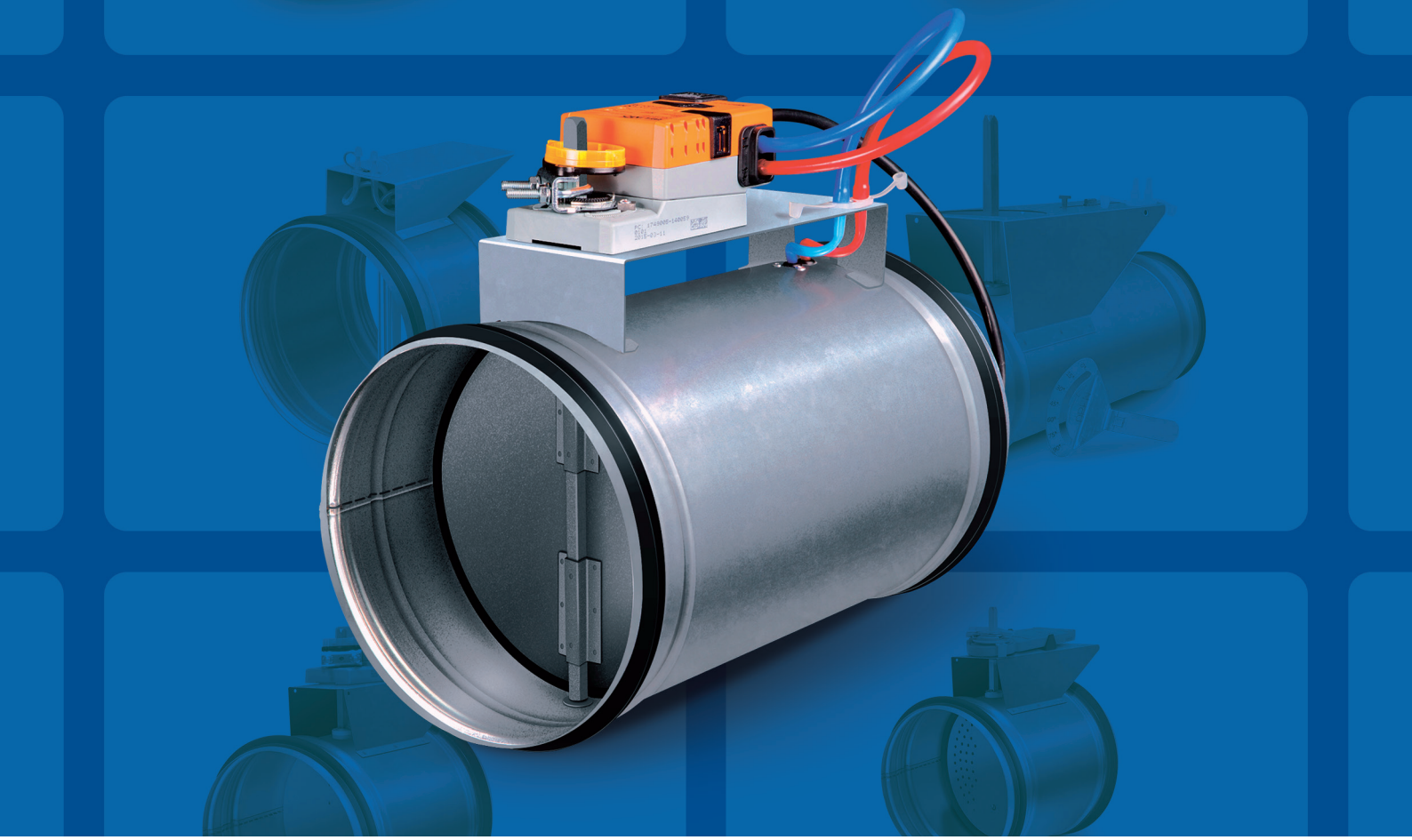
Dampers and Measuring units

KLIMATBYRÅN



Environmental Product Declaration

In accordance with **ISO 14025:2006** and **EN 15804:2012+A2:2019**

Owner of the declaration
KB Klimatbyrån AB

Product name
Dampers and Measuring units

Declared unit
1 pc.

Product category /PCR
CEN Standard EN 15804:2012+A2:2019
serves as core PCR NPCR 030:2021
Part B for ventilation components

Program holder and publisher
The Norwegian EPD foundation

Declaration number
NEPD-11520-11436

Registration Number
NEPD-11520-11436

Issue date
24.06.2025

Valid to
24.06.2030

The Norwegian EPD Foundation

epd-norway
Global Program Operator

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General information

Product
Dampers and Measuring units (represented by BASiQ-250).

Program holder
The Norwegian EPD Foundation
Post Box 5250 Majorstuen, 0303 Oslo, Norway
Phone: +47 23 08 80 00
E-mail: post@epd-norge.no

Declaration Number
NEPD-11520-11436

This declaration is based on Product Category Rules
CEN Standard EN 15804:2012+A2:2019 serves as core
PCR NPCR 030:2021 Part B for ventilation components

Statements
The owner of the declaration shall be liable for the underlying information and evidence. EPD Norway shall not be liable with respect to manufacturer, life cycle assessment data and evidences.

Declared unit
1 pc. **BASiQ–250**

Declared unit with option
A1-A3, A4 A5, C1, C2, C3, C4, D

Functional unit
Not relevant. Use phase not included.

Verification
Independent verification of the declaration and data, according to ISO14025:2010

☐ Internal ☒ External

Owner of the declaration
KB Klimatbyrån AB
Travbanegatan 6, 211 41 Malmö, Sweden
E-mail: info@klimatbyran.se

Manufacturer
Airvent Légtechnikai Zrt
6000 Kecskemét, Belsőnyír 150, Hungary
E-mail: avkecskemet@airvent.hu

Place of production
Airvent Légtechnikai Zrt
6000 Kecskemét, Belsőnyír 150, Hungary

Management system
ISO 9001, ISO 14001 and ISO 50001

Organisation No.
556478-8428

Issue date
24.06.2025

Valid to
24.06.2030

Year of study
2024-2025

Comparability
EPD's of construction products may not be comparable if they are not in compliance with EN 15804 and if the comparison is not made within a construction context.

The EPD has been worked out by
Kaspars Zudrags, BM Certification SIA

Silvia Vilčeková, SILCERT Ltd
Independent verifier approved by EPD Norway

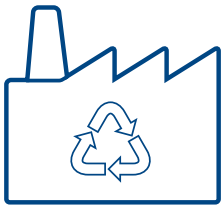
Approved

Manager of EPD Norway

About Klimatbyrån

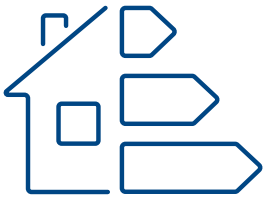
We develop and supply ventilation products and demand-controlled air management systems, prioritizing air quality, performance and energy efficiency.

Product development
– 40 years of knowledge enables us to create indoor climate solutions, built to last and to meet future conditions.



Manufacturing
– Continuous improvement governs our production by prioritizing recyclability and sustainable material choices.

Operations
– Environmental awareness is an integral part of our operations, from warehousing and sales to final delivery.



Solutions
– The core of our solutions is to provide a healthy and energy-saving indoor climate for all facility types and user needs.

Product development

Klimatbyrån governs over four decades of accumulated knowledge within indoor climate. Our heritage drives our commitment to provide functional and sustainable air technology solutions. Our average products feature a life cycle of 25 years. This affects our choices and strategies as they have an impact on both current and future generations. Continuous improvement and adaptation of our solutions is a must to meet our customers' needs and expectations in the best possible way.

Manufacturing

A key focus in both our product development and manufacturing plant is the increased use of sustainable methods, materials and processes without compromising on quality. By prioritizing environmentally friendly resources and transitioning to new components made from recycled raw materials, we strive to ensure that our production aims for reduced environmental impact and increased recyclability and reusability.

Operations

At Klimatbyrån, energy efficiency is at the core of all our operations. From transport and sales to warehouse management and delivery practices. All our branches are powered with renewable energy from Swedish hydro power and we offset all CO_2 emissions generated from our business travel and domestic transportation. In addition, all transports from our EU based production plant are made by intermodal transport, with over 70 % of the land route being made by rail. With over a hundred trucks shipped annually, this significantly reduces our carbon footprint across Europe.

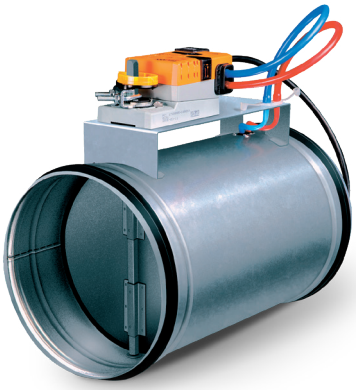
Solutions

Our goal is to supply durable, high-quality ventilation products, designed and manufactured with care, that improves indoor comfort and air quality of the building. Demand-controlled systems, that supply and regulate air distribution, have become a central key in the indoor-climate industry. Our solutions manage and secure a healthy indoor climate and improved energy efficiency, taking both facility operations, occupant needs and seasonal conditions into account.

Klimatbyrån – Dampers and Measuring units

Reference product

BASiQ-250



Product description

Our dampers and measuring units, used to regulate and control airflows, are primarily manufactured from galvanized steel and are available in various sizes, tailored to different applications. The production methods and materials across this product family are largely consistent. This EPD provides an average environmental performance for our product range, as outlined below in the table **Included products and multiplication factors**.

The Life Cycle Assessment (LCA) is based on data specific to the representative product, BASiQ-250. While BASiQ is our most common damper, the 250 size is both widely sold and represents an average within the size range (Ø100-630). Its typical material composition and production impact make it a reliable reference for evaluating the environmental performance of the entire damper and measuring unit product family.

BASiQ-250 – Product specification

Materials	kg	%
Steel	2.79	90
Aluminium	0.06	2
Plastic	0.20	6
EPDM	0.05	2
TOTAL	**3.10**	
Packaging – corrugated board	0.24	

Description and function

BASiQ is a pressure-independent variable air volume control damper with a built-in measuring device, that can be used for demand-controlled applications controlling the air volume in circular duct systems. The unit is optimal for schools, commercial buildings, offices, etc. The use of BASiQ should be avoided in humid, cold or aggressive environments. The unit is suitable for both supply- and extract air.

BASiQ consists of a damper, measuring device and an actuator with integrated flow controller. The damper has leakage class 4, due to the efficient and tight shutoff mode of the airflow. The requested airflow range of the minimum and maximum values is set at the factory. BASiQ may not be installed in locations with temperatures below 0 °C or where the ambient or air temperature exceeds 50 °C.

Dimensions (mm)

Ø100	Ø200	Ø400
Ø125	Ø250	Ø500
Ø160	Ø315	Ø630

Airflow range

26 - 7855 m^3 /h (7-2182 l/s)

Materials

Housing and damper blade of galvanized sheet steel.
The damper blade is equipped with a rubber sealing.
Measuring device of aluminum, with silicone rubber tubes.

Market

Europe

Reference service life

> 25 years

LCA: Calculation rules

Declared unit

One damper – BASiQ-250 (mass 3.10 kg)

Cut-off criteria

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

Allocation

Allocation is done following EN 15804+A2:2019 guidelines, with incoming energy, water, and waste generated on-site being evenly distributed among all products through mass allocation. The environmental impacts of producing recycled materials are attributed to the primary product in which they are utilized. Additionally, the recycling process and transportation of materials are taken into account in this analysis.

Data quality

Specific data for the product composition are provided by our manufacturer, Airvent Légtechnikai Zrt. They represent the production of the declared product and were collected for EPD development during the period 2024-01-01 – 2025-01-01.

Materials	Source	Data quality	Year
Steel	ecoinvent 3.10.1	Database	2024
Aluminium	ecoinvent 3.10.1	Database	2024
Plastic	ecoinvent 3.10.1	Database	2024
EPDM	ecoinvent 3.10.1	Database	2024
Corrugated board	ecoinvent 3.10.1	Database	2024

System boundary

Cradle to gate with options, modules C1–C4, module D (A1–A3 + A4 + A5 + C + D).

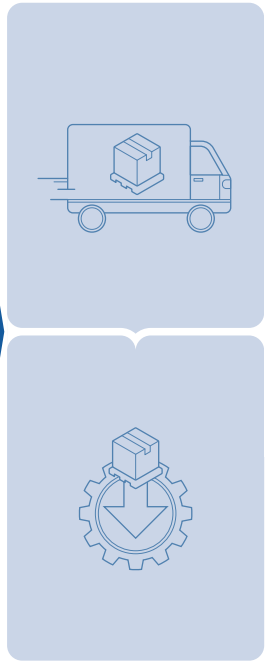
A1-A3

Product stage

A1 Production of input materials for the product
A2 Transport of raw materials
A3 Manufacturing of the product

A4–A5

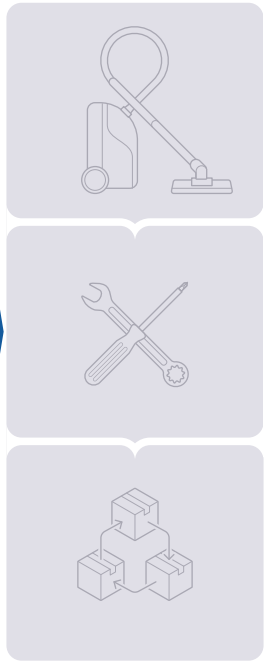
Construction stage



A4 Transport to market
A5 Installation

B1–B7

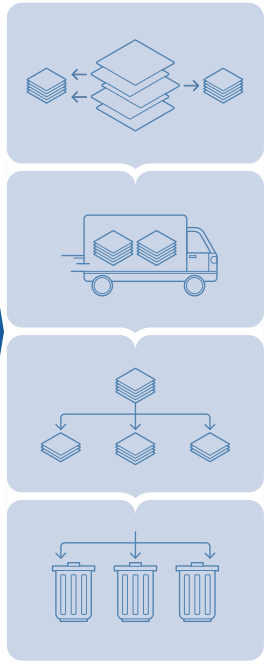
Usage stage



B2 Maintenance
B3 Repair
B4 Replacement

C1–C4

End of life



C1 Deconstruction/demolition
C2 Transport to waste processing
C3 Waste processing
C4 Disposal

D

Beyond system boundaries

D Environmental impact of outgoing streams

LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

Energy sources of the electricity used in manufacturing processes of module A3 are modeled using the mix of electricity, the average 0,456kg CO_2 eq./kWh. A4: Transport scenarios include EURO 6 truck transport for 307 km, sea ferry 158 km, train 747 km. A5. The energy consumption of A5 and C1 model is considered negligible and module A5 includes only packaging utilization. C1: No loads in C1 have been generated as manual dismantling. C2: Transport to waste treatment site after dismantling using EURO 6 truck average (100 km assumed). C3: Assumed as 90% of commissioning box is recycling. C4: Assumed as 10% of commissioning box materials are goes to the landfill. D: Modeled as 90% of commissioning box is recycling.

Transport from production place to assembly/user (A4)

Type	Capacity utilisation (incl. return) *[%]*	Type of vehicle	Distance KM	Fuel/Energy consumption	Value *[l/t]*
Truck	36.7	lorry 16-32 metric ton, EURO6	307	0.043	13.20
Railway	50	rail	747	0.002	1.49
Boat	50	ship	158	0.030	4.74

Assembly (A5)

	Unit	Value
Packaging cardboard, recycled – 89%	kg	0.55
Packaging cardboard, landfill – 5.5%	m^3	0.03
Packaging cardboard, incineration – 5.5%	kWh	0.03

End of Life (C1, C3, C4)

	Unit	Value
Treatment of waste reinforcement steel, recycling	kg	2.54
Treatment of waste plastic, municipal incineration	kg	0.25
Treatment of scrap steel, landfill	kg	0.28

Transport to waste processing (C2)

Type	Capacity utilisation (incl. return) *[%]*	Type of vehicle	Distance KM	Fuel/Energy consumption	Value *[l/t]*
Truck	36.7	Lorry 16-32 metric ton, EURO5	100	0.043	13.20

Benefits and loads beyond the system boundaries (D)

	Unit	Value
Substitution of steel production	kg	2.54
Substitution of paper production	kg	0.24
Substitution of heat production	MJ	7.43
Substitution of thermal energy production	MJ	1.32

LCA: Results

System boundaries

X=included, MID=module not declared, MIR=module not relevant

Product stage			Assembly stage		Use stage							End of life stage				Beyond system boundaries
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	MID	MID	MID	MID	MID	MID	MID	X	X	X	X	X

Core environmental impact indicators

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-total	kg CO_2 -eq.	1.16E+01	3.62E-01	3.74E-01	0.00E+00	6.32E-02	9.52E-01	3.31E-03	-3.81E+00
GWP-fossil	kg CO_2 -eq.	1.19E+01	3.62E-01	5.61E-03	0.00E+00	6.30E-02	9.52E-01	3.32E-03	-3.72E+00
GWP-biogenic	kg CO_2 -eq.	-2.91E-01	1.27E-04	3.68E-01	0.00E+00	1.43E-05	6.76E-05	5.17E-06	-8.08E-02
GWP-lulAC	kg CO_2 -eq.	1.89E-02	2.19E-04	4.72E-06	0.00E+00	2.83E-05	3.22E-05	3.22E-06	-8.83E-03
ODP	kg CFC11-eq.	6.12E-07	5.85E-09	3.36E-11	0.00E+00	9.32E-10	3.35E-09	7.89E-11	-2.23E-08
AP	mol H^+ eq.	1.38E-01	3.18E-03	3.12E-05	0.00E+00	2.15E-04	1.83E-03	2.15E-05	-1.88E-02
EP-freshwater	kg N eq.	4.01E-03	3.57E-05	1.52E-06	0.00E+00	4.91E-06	8.60E-06	3.92E-07	-2.10E-03
EP-marine	kg N eq.	1.41E-02	9.52E-04	3.18E-05	0.00E+00	7.07E-05	8.60E-04	8.59E-06	-3.83E-03
EP-terrestrial	mol N eq.	4.20E-01	1.05E-02	8.85E-05	0.00E+00	7.70E-04	9.18E-03	8.55E-05	-4.15E-02
POCP	kg NMVOC eq.	4.25E-02	3.26E-03	3.33E-05	0.00E+00	3.16E-04	2.72E-03	2.91E-05	-1.46E-02
ADP-minerals & metals*	kg Sb eq.	4.75E-04	9.67E-07	5.16E-08	0.00E+00	1.76E-07	1.41E-07	7.02E-09	-4.11E-05
ADP-fossil*	MJ	1.67E+02	4.80E+00	4.67E-02	0.00E+00	9.16E-01	2.77E+00	6.92E-02	-4.58E+01
WDP*	m^3	5.07E+00	3.16E-02	1.94E-03	0.00E+00	4.52E-03	5.70E-02	7.81E-04	-1.56E+00

GWP-total: Global Warming Potential; GWP-fossil: Global Warming Potential fossil fuels; GWP-biogenic: Global Warming Potential biogenic; GWP-LULUC: Global Warming Potential land use and land use change; ODP: Depletion potential of the stratospheric ozone layer; AP: Acidification potential, Accumulated Exceedance; EP-freshwater: Eutrophication potential, fraction of nutrients reaching freshwater end compartment; See "additional requirements" for indicator given as PO4 eq. EP-marine: Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-terrestrial: Eutrophication potential, Accumulated Exceedance; POCP: Formation potential of tropospheric ozone; ADP-M&M: Abiotic depletion potential for non-fossil resources (minerals and metals); ADP-fossil: Abiotic depletion potential for fossil resources; WDP: Water deprivation potential, deprivation weighted water consumption.

Reading example: 9,0 E-03 = $9{,}0*10^{-3}$ = 0,009

Resource use

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
RPEE	MJ	1.18E+01	1.27E-01	-3.95E+00	0.00E+00	1.26E-02	2.40E-02	1.25E-03	-9.83E+00
RPEM	MJ	3.51E+00	0.00E+00	-3.51E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-5.00E-02
TPE	MJ	1.53E+01	1.27E-01	-7.46E+00	0.00E+00	1.26E-02	2.40E-02	1.25E-03	-9.88E+00
NRPE	MJ	1.67E+02	4.80E+00	4.67E-02	0.00E+00	9.16E-01	-8.91E+00	6.92E-02	-5.75E+01
NRPM	MJ	3.35E+00	0.00E+00	1.31E-05	0.00E+00	0.00E+00	-3.00E+00	-3.35E-01	1.17E+01
TRPE	MJ	1.71E+02	4.80E+00	4.67E-02	0.00E+00	9.16E-01	-1.19E+01	-2.65E-01	-4.58E+01
SM	kg	8.63E-01	3.65E-03	1.22E-04	0.00E+00	3.90E-04	1.16E-03	2.13E-05	2.48E+00
RSF	MJ	2.42E-02	2.34E-05	5.74E-07	0.00E+00	4.96E-06	8.85E-06	3.69E-07	-3.59E-04
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W	m^3	2.48E-01	8.11E-04	-1.35E-05	0.00E+00	1.35E-04	1.40E-03	-1.97E-04	-2.94E-02

RPEE Renewable primary energy resources used as energy carrier; RPEM Renewable primary energy resources used as raw materials; TPE Total use of renewable primary energy resources; NRPE Non renewable primary energy resources used as energy carrier; NRPM Non renewable primary energy resources used as materials; TRPE Total use of non renewable primary energy resources; SM Use of secondary materials; RSF Use of renewable secondary fuels; NRSF Use of non renewable secondary fuels; W Use of net fresh water

End of life – waste

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HW	kg	4.62E+00	1.20E-02	8.35E-04	0.00E+00	1.55E-03	1.61E-02	2.51E-04	-1.44E+00
NHW	kg	2.97E+01	2.16E-01	9.63E-02	0.00E+00	2.87E-02	3.99E-01	3.47E-01	-1.19E+01
RW	kg	1.00E-03	2.03E-06	5.36E-08	0.00E+00	1.95E-07	3.70E-07	2.08E-08	-2.24E-05

HW Hazardous waste disposed; NHW Non hazardous waste disposed; RW Radioactive waste disposed

End of life – output flow

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
CR	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MR	kg	2.50E-01	0.00E+00	2.18E-01	0.00E+00	0.00E+00	2.21E+00	0.00E+00	0.00E+00
MER	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01	0.00E+00	0.00E+00
EEE	MJ	0.00E+00	0.00E+00	5.30E-02	0.00E+00	0.00E+00	1.32E+00	0.00E+00	0.00E+00
ETE	MJ	0.00E+00	3.02E-08	2.98E-01	0.00E+00	5.53E-09	7.43E+00	0.00E+00	0.00E+00

CR Components for reuse; MR Materials for recycling; MER Materials for energy recovery; EEE Exported electric energy; ETE Exported thermal energy

Information describing the biogenic carbon content at the factory gate

Biogenic carbon content	Unit	Value
Biogenic carbon content in product	kg C	0
Biogenic carbon content in the accompanying packaging	kg C	0.36

Additional requirements

Greenhouse gas emission from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

Electricity mix	Data source	Amount	Unit
Electricity production, hard coal	ecoinvent 3.10.1	1.1	g CO_2 eq./kWh
Electricity production, nuclear, pressure water reactor	ecoinvent 3.10.1	0.0071	g CO_2 eq./kWh
Electricity production, photovoltaic	ecoinvent 3.10.1	0.0833	g CO_2 eq./kWh
Electricity production, hydro, run-of-river	ecoinvent 3.10.1	0.0044	g CO_2 eq./kWh

Additional environmental impact indicators required in NPCR Part A for construction products

In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantanious oxidation. GWP-IOBC is also reffered to as GWP-GHG in context to Swedish public procurement legislation.

Indicator	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP-IOBC	kg CO2 eq.	1.19E+01	3.62E-01	5.61E-03	0.00E+00	6.32E-02	9.52E-01	3.32E-03	3.73E+00

GWP-IOBC Global warming potential calculated according to the principle of instantanious oxidation.

Dangerous substances

The product contains no substances given by the REACH Candidate list or the Norwegian priority list.

Indoor environment

The product meets the requirements for low emissions.

Included products and multiplication factors

The multiplication factors in the table below can be used to scale LCA data for another product or size.

Name	Factor
BASiQ	
BASiQ-100	0,45
BASiQ-125	0,52
BASiQ-160	0,61
BASiQ-200	0,74
BASiQ-250	1,00
BASiQ-315	1,48
BASiQ-400	2,42
BASiQ-500	3,48
BASiQ-630	5,06
BASiQ-F	
BASiQ-F-100	0,45
BASiQ-F-125	0,52
BASiQ-F-160	0,61
BASiQ-F-200	0,74
BASiQ-F-250	1,00
BASiQ-F-315	1,48
BASiQ-F-400	2,42
BASiQ-F-500	3,48
BASiQ-F-630	5,06
BASiQ-FT	
BASiQ-FT-100	0,19
BASiQ-FT-125	0,23
BASiQ-FT-160	0,26
BASiQ-FT-200	0,32
BASiQ-FT-250	0,39
BASiQ-FT-315	0,48
BASiQ-FT-400	0,71
BASiQ-FT-500	1,00
BASiQ-FT-630	1,26
BASiQ-P	
BASiQ-P-100	0,39
BASiQ-P-125	0,42
BASiQ-P-160	0,48
BASiQ-P-200	0,58
BASiQ-P-250	0,74
BASiQ-P-315	1,06
BASiQ-P-400	1,61
BASiQ-P-500	2,32
BASiQ-P-630	3,32
CERTiQ-D	
CERTiQ-D-100	0,58
CERTiQ-D-125	0,61
CERTiQ-D-160	0,65
CERTiQ-D-200	0,77
CERTiQ-D-250	0,87
CERTiQ-D-315	1,29
CERTiQ-D-400	1,77
CERTiQ-D-500	2,29
CERTiQ-D-630	2,97

Name	Factor
CERTiQ-CS / CERTiQ-F	
CERTiQ-CS/-F-100	0,68
CERTiQ-CS/-F-125	0,74
CERTiQ-CS/-F-160	0,84
CERTiQ-CS/-F-200	0,97
CERTiQ-CS/-F-250	1,23
CERTiQ-CS/-F-315	1,71
CERTiQ-CS/-F-400	2,65
CERTiQ-CS/-F-500	3,71
CERTiQ-CS/-F-630	5,29
CERTiQ-M	
CERTiQ-M-100	0,32
CERTiQ-M-125	0,35
CERTiQ-M-160	0,39
CERTiQ-M-200	0,45
CERTiQ-M-250	0,52
CERTiQ-M-315	0,61
CERTiQ-M-400	0,84
CERTiQ-M-500	1,13
CERTiQ-M-630	1,39
CERTiQ-PM	
CERTiQ-PM-100	0,68
CERTiQ-PM-125	0,74
CERTiQ-PM-160	0,84
CERTiQ-PM-200	0,97
CERTiQ-PM-250	1,23
CERTiQ-PM-315	1,71
CERTiQ-PM-400	2,65
CERTiQ-PM-500	3,71
CERTiQ-PM-630	5,29
DUO	
DUO-100	0,31
DUO-125	0,34
DUO-160	0,44
DUO-200	0,53
KNXiQ	
KNXiQ-100	0,47
KNXiQ-125	0,53
KNXiQ-160	0,63
KNXiQ-200	0,76
KNXiQ-250	1,02
KNXiQ-315	1,53
KNXiQ-400	2,47
KNXiQ-500	3,92
KNXiQ-630	5,15

Name	Factor
LOGiQ-CS / LOGiQ-F	
LOGiQ-CS/-F-100	0,58
LOGiQ-CS/-F-125	0,65
LOGiQ-CS/-F-160	0,74
LOGiQ-CS/-F-200	0,87
LOGiQ-CS/-F-250	1,13
LOGiQ-CS/-F-315	1,61
LOGiQ-CS/-F-400	2,55
LOGiQ-CS/-F-500	3,61
LOGiQ-CS/-F-630	5,19
LOGiQ-M	
LOGiQ-M-100	0,26
LOGiQ-M-125	0,29
LOGiQ-M-160	0,32
LOGiQ-M-200	0,35
LOGiQ-M-250	0,42
LOGiQ-M-315	0,68
LOGiQ-M-400	0,87
LOGiQ-M-500	1,03
LOGiQ-M-630	1,29
LOGiQ-PM	
LOGiQ-PM-100	0,58
LOGiQ-PM-125	0,65
LOGiQ-PM-160	0,74
LOGiQ-PM-200	0,87
LOGiQ-PM-250	1,13
LOGiQ-PM-315	1,61
LOGiQ-PM-400	2,55
LOGiQ-PM-500	3,61
LOGiQ-PM-630	5,19
LOGiQ-S	
LOGiQ-S-100	0,42
LOGiQ-S-125	0,48
LOGiQ-S-160	0,58
LOGiQ-S-200	0,71
LOGiQ-S-250	0,97
LOGiQ-S-315	1,45
LOGiQ-S-400	2,39
LOGiQ-S-500	3,45
LOGiQ-S-630	5,03
SPA	
SPA-100	0,32
SPA-125	0,35
SPA-160	0,39
SPA-200	0,52
SPA-250	0,61
SPA-315	1,03
SPA-400	1,52
SPA-500	2,03
SPA-630	2,71
SPD	
SPD-100	0,37
SPD-125	0,42
SPD-160	0,44
SPD-200	0,53

Name	Factor
SPT	
SPT-100	0,32
SPT-125	0,35
SPT-160	0,39
SPT-200	0,52
SPT-250	0,61
SPT-315	1,03
SPT-400	1,52
SPT-500	2,03
SPT-630	2,71
VAVBAS	
VAVBAS-100	0,29
VAVBAS-125	0,35
VAVBAS-160	0,44
VAVBAS-200	0,56
VAVBAS-250	0,81
VAVBAS-315	1,32
VAVBAS-400	2,26
VAVBAS-500	3,31
VAVBAS-630	4,90
ZM	
ZM-100	0,15
ZM-125	0,18
ZM-160	0,19
ZM-200	0,24
ZM-250	0,32
ZM-315	0,4
ZM-400	0,65
ZM-500	0,92
ZM-630	1,16
ZMC	
ZMC-100	0,27
ZMC-125	0,32
ZMC-160	0,39
ZMC-200	0,5
ZMC-250	0,73
ZMC-315	1,13
ZMC-400	1,97
ZMC-500	2,84
ZMC-630	4,19
ZMS	
ZMS-100	0,13
ZMS-125	0,18
ZMS-160	0,24
ZMS-200	0,34
ZMS-250	0,48
ZMS-315	0,76
ZMS-400	1,37
ZMS-500	2,19
ZMS-630	3,12

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LCA background report 2025-01-08.

epd-norway Global Program Operator	**Program Operator**		
	The Norwegian EPD Foundation	tel	+47 23 08 80 00
	Post Box 5250 Majorstuen, 0303 Oslo	e-mail	post@epd-norge.no
	Norway	web	www.epd-norge.no
	Publisher	tel	+47 23 08 80 00
	The Norwegian EPD Foundation		
	Post Box 5250 Majorstuen, 0303 Oslo	e-mail	post@epd-norge.no
	Norway	web	www.epd-norge.no
KB KLIMATBYRÅN	**Owner of the declaration**		
	KB Klimatbyrån AB	tel	+46 (0)40-671 27 50
	Travbanegatan 6, SE-211 41 Malmö.	e-mail	info@klimatbyran.se
	Sweden	web	www.klimatbyran.se
bm certification	**Author of the life cycle assessment**		
	K. Zudrags	tel	+371 67772135
	BM Certification SIA	e-mail	info@bmcertification.com
	Latvia	web	www.bmcertification.com
ECO PLATFORM EPD VERIFIED	**ECO Platform**	web	www.eco-platform.org
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