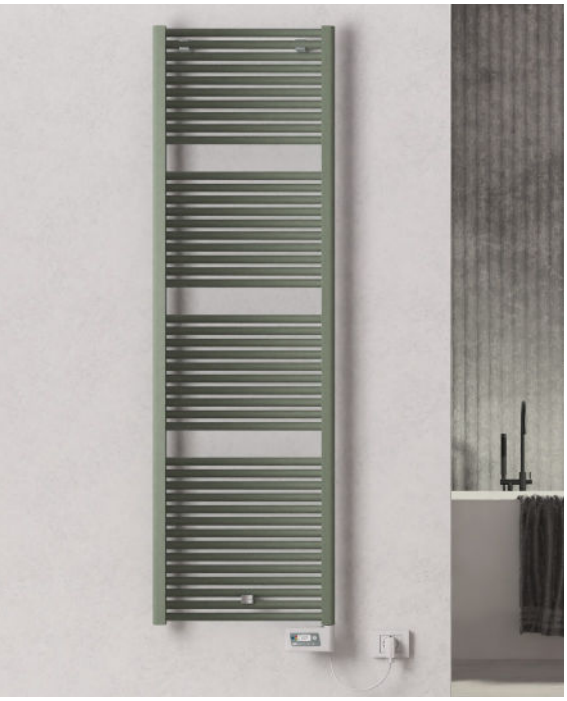
CORDIVARI®

Zona Ind. Pagliare 64020 Morro D'Oro (TE)
Italy www.cordivari.it · www.cordivaridesign.it

PRODUCT ENVIRONMENTAL PROFILE

DIRECT, VISIBLE, FIXED ELECTRIC HEATING APPLIANCES



BRAZED ELECTRIC RADIATORS

Registration number: **CORD-00001-V01.01-EN**	Drafting rules : **«PCR-ed4-EN-2021 09 06»** **Supplemented by «PSR-0002-ed3.0-EN-2023 06 06»**
Verifier accreditation number : **VH50**	Information and reference document: **www.pep-ecopassport.org**
Date of issue: **06-2025**	Validity period: **5 years**
Independent verification of the declaration and data in compliance with ISO 14025: 2006	
Internal ☐	External ☑
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)	
PEPs are compliant with NF C08-100-1:2022 and EN 50693:2019 or NF E38-500 :2022 The components of the present PEP may not be compared with components from any other program.	
Document compiles with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"	

COMPANY INFORMATION

General Information	Cordivari Srl - Zona Ind.le Pagliare Morro D'Oro Snc 64020 (TE) - Italy
Legal contact within the company	info@cordivari.it

Cordivari Srl is one of the leading Italian companies in the hydro-thermal-sanitary sector, specializing in the production of hydrothermal systems for domestic, civil, and industrial applications.

The company continuously renews its commitment by focusing on developing products and solutions that combine efficiency, reliability, and environmental sustainability.

Cordivari is certified according to UNI EN ISO 9001, UNI EN ISO 14001, and UNI EN ISO 45001 standards, implementing an integrated management system that ensures high quality standards and full customer satisfaction.

REFERENCE PRODUCT

Reference Product	Claudia® Electric
Category of the reference product:	Direct, visible, and fixed type electric heating appliance
Subcategory	Electric radiator type direct, visible, fixed heating appliance
Output (W)	1200
Dimensions (mm)	600X1807
Finish	With epoxy polyester powders with DIN 55900-1,-2 certified process.
Functional Unit	"To produce a heating power of 1 kW for a reference lifetime of 17 years"

TECHNICAL CHARACTERISTICS

Product mass (including packaging)	34,00 kg
Packaging mass	2,28 kg
Reference lifetime (RLT)	17 years

CONSTITUENT MATERIALS

The total mass of the product is 34,00 kg, including 31,71 kg of product and 2,28 kg of packaging.

Constituent materials	Metals		Plastics		Other materials	
	Carbon steel	47,7%	Polystyrene (EPS)	0,8%	Ethylene glycol	41,1%
					Cardboard (recycled content 100%)	6,0%
					Electrical component	2,5%
					Epoxy-polyester powder	1,9%
	Total	47,7%	Total	0,8%	Total	51,5%

LIFE CYCLE ANALYSIS METHODOLOGY

Name and version of LCA software	openLCA version 2.4
Version of LCA software database	Ecoinvent v.3.11
Temporal representativeness:	Primary data collected in the reference period 01/01/2024 -31/12/2024
Technological representativeness	Primary data collected from the manufacturing plant in Italy through the technical documentation of the electric radiator (material information and supplier data)

Geographical representativeness

MANUFACTURING	DISTRIBUTION	INSTALLATION	USE	END OF LIFE
Italy/Europe	Europe	Europe	Europe	Europe

Energy models considered for each phase

MANUFACTURING STAGE	Electricity, low voltage, residual mix Italy | electricity, low voltage
	Electricity production, photovoltaic, 570kWp open ground installation, multi-Si | electricity, low voltage|Italy
USE STAGE	Market group for electricity, low voltage | electricity, low voltage | cutoff, S

The life cycle analysis on which this Product Environmental Profile (PEP) is based is carried out in compliance with the criteria imposed by PCR-ed4-EN-2021 09 06 of the PEP ecopassport® Program. The functional unit and the distribution, use, and waste treatment scenarios comply with the assumptions established in PSR-0002-ed3.0-EN-2023 06 06.

ADDITIONAL ENVIRONMENTAL INFORMATION

Manufacturing	Produced in an Italian plant certified ISO 14001. Components come from Europe. Raw materials and their transport to the production site, various production phases of the finished product, and waste treatment generated have been considered.
Distribution	Delivery of the product and its packaging: 1500 km by truck
Installation	The product does not require any special installation procedure as it is manually performed by a professional with portable tools and its installation does not require energy. This phase includes the end-of-life treatment of the packaging according to the PSR-0002-ed3.0-EN-2023 06 06 standards.

Use

Energy consumption
The energy consumption of the product has been calculated in accordance with PSR-0002-ed3.0-EN-2023 06 06 "energy consumption of active components (family 2)" according to the following formula:

$$C = RLT \times \left(\frac{P}{\eta_s}\right) \times t_{heating}$$

PARAMETERS		VALUES
RLT	Number of annuities, as defined by the reference lifetime of the reference product, expressed in years	17
P	Power of the reference product in kW or Pnom according to EU regulation n°2015/1188	Technical data sheets
$t_{heating}$	Equivalent number of hours of annual operation of the appliance in active heating mode, or 2066 hours	2066
	The seasonal energy efficiency for space heating of all decentralised heating systems, except for commercial decentralised heating systems. It is defined as follows $\eta_S = \eta_{s,on} - 10\% + F(1) + F(2) + F(3) - F(4) - F(5)$	9
	$\eta_{s,on}$ Final energy yield, equal to 1	
	F(1) Correction factor not applicable to these products; it is equal to 0	
	F(2) Correction factor, expressed in %, representing a positive contribution to the seasonal energy efficiency for space heating corresponding to the room thermal comfort control devices, whose values are exclusive of each other and cannot be added to each other.	
	F(3) Correction factor, expressed in %, representing a positive contribution to seasonal energy efficiency for space heating corresponding to the room thermal comfort control devices, whose values can be added together.	
	F(4) Correction factor, expressed in %, representing a negative contribution of auxiliary electricity consumption to the seasonal energy efficiency for space heating related to the standby consumption of the product; it shall be equal to 0 if the product complies with Regulation No 1275/2008, otherwise formula of Regulation No 2015/1088 must be apply.	
	F(5) Correction factor, expressed as a %, representing a negative contribution of the energy consumption of the standing pilot to the seasonal energy efficiency. For space heating, which does not apply to these products, it is equal to 0.	

The total consumption of the reference product over 17 years is 42.572,12 kWh
or C= 17 (1,2kW/(1-0,10+0+0,07+0,02-0-0))*2066*

End of life

To model the end-of-life phase of the product, the Ecosystem database was used, in accordance with PSR-0002-ed3.0-EN-2023 06 06. Therefore, the data relating to transport, recycling, recovery, incineration and landfill rates provided by this source were applied, in line with the specific indications for electrical and electronic products. According to the sectoral convention, the end-of-life transport phase is considered assuming a 100 km journey by truck.

ENVIRONMENTAL IMPACTS

The environmental impact assessment covers the following phases of the product life cycle: Manufacturing (A1-A3), Distribution (A4), Installation (A5), Use (B1-B7), End of life (C1-C4), and benefits and loads beyond the system boundaries (D).
Calculations were performed using OpenLCA version 2.4 software and Ecoinvent v.3.11 database. The applied method complies with the EN15804+A2 standard and is based on the EF 3.1 methodology.
The present declaration was developed considering the supply of 1 kW of heat. The real impact of the life cycle stages of the product installed in a real situation must be calculated by the declaration user by multiplying the considered impact by the total heating power of the device, in kW.
In the context of the life cycle analysis of a building, modules B1 to B7 must be declared. For this product, the impact of the use phase is equal to the impact of module B6 (modules B1, B2, B3, B4, B5, and B7 are zero).

MANDATORY ENVIRONMENTAL IMPACT INDICATORS:

Per kW corresponding to the functional unit

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	BENEFITS AND CHARGES BEYOND THE SYSTEM'S BOUNDARIES D
Global Warming Potential - biogenic (GWP-biogenic)	*kg CO_2-eq*	3,83E+02	-1,08E+00	5,51E-03	5,43E-01	3,83E+02	5,22E-03	8,86E-03
Global Warming Potential - fossil fuels (GWP-fossil)	*kg CO_2-eq*	1,20E+04	1,05E+02	7,93E+00	4,56E-01	1,19E+04	4,98E-01	-2,26E+01
Global Warming Potential - land use and land use change (GWP-luluc)	*kg CO_2-eq*	3,52E+01	2,42E-01	2,67E-03	1,23E-04	3,50E+01	1,73E-04	-1,19E-02
Global Warming Potential - total (GWP-total)	*kg CO_2-eq*	1,24E+04	1,04E+02	7,94E+00	9,99E-01	1,23E+04	5,03E-01	-2,26E+01
Abiotic depletion potential - fossil resources (ADPF)	*MJ*	2,73E+05	1,41E+03	1,13E+02	2,35E+00	2,72E+05	7,06E+00	-2,31E+02
Abiotic depletion potential - non-fossil resources (ADPE)	*kg Sb-eq*	1,82E-01	2,29E-02	2,79E-05	9,35E-07	1,59E-01	1,75E-06	-1,71E-04
Acidification potential, Accumulated Exceedance (AP)	*mol H+-eq*	6,91E+01	1,00E+00	1,70E-02	8,04E-04	6,81E+01	1,09E-03	-9,43E-02
Depletion potential of the stratospheric ozone layer (ODP)	*kg CFC-11-eq*	2,22E-04	2,17E-06	1,73E-07	2,76E-09	2,20E-04	1,08E-08	-9,30E-08
Eutrophication potential - freshwater (EP-freshwater)	*kg P-eq*	1,15E+01	9,84E-02	5,50E-04	4,12E-05	1,14E+01	5,55E-05	-1,23E-02
Eutrophication potential - marine (EP-marine)	*kg N-eq*	1,10E+01	1,31E-01	4,10E-03	4,20E-04	1,09E+01	4,75E-04	-2,06E-02
Eutrophication potential - terrestrial (EP-terrestrial)	*mol N-eq*	9,76E+01	1,42E+00	4,43E-02	2,79E-03	9,62E+01	2,84E-03	-2,23E-01
Photochemical Ozone Creation Potential (POCP)	*kg NMVOC-eq*	3,13E+01	5,44E-01	2,70E-02	1,10E-03	3,08E+01	1,70E-03	-7,34E-02
Water (user) deprivation potential (WDP)	*m^3 world-eq deprived*	7,46E+03	4,54E+01	5,98E-01	4,82E-02	7,42E+03	3,88E-02	-6,36E+00

OPTIONAL ENVIRONMENTAL IMPACT INDICATORS:

Per kW corresponding to the functional unit

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	BENEFITS AND CHARGES BEYOND THE SYSTEM'S BOUNDARIES D
Ecotoxicity (fresh water)	*CTUe*	4,07E+04	1,94E+03	1,51E+01	7,35E+00	3,88E+04	1,37E+00	-1,39E+02
Human toxicity, non-carcinogenic effects	*CTUh*	1,93E-04	2,26E-06	7,11E-08	3,41E-09	1,91E-04	5,18E-09	-1,87E-07
Human toxicity, carcinogenic effects	*CTUh*	3,59E-06	8,05E-08	1,33E-09	8,12E-11	3,51E-06	8,78E-11	-2,70E-08
Ionizing radiation, human health	*kBq U235-eq*	7,55E+03	8,60E+00	1,36E-01	2,04E-02	7,54E+03	8,74E-03	-4,70E-01
Emission of fine particles	*Disease incidence*	2,49E-04	7,34E-06	5,95E-07	1,37E-08	2,41E-04	3,73E-08	-2,23E-06
Impacts related to land use/soil quality	*Dimensionless*	5,37E+04	7,28E+02	6,77E+01	9,86E-01	5,29E+04	4,23E+00	-7,67E+01

INDICATORS DESCRIBING OUTPUT FLOWS:

Per kW corresponding to the functional unit

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	BENEFITS AND CHARGES BEYOND THE SYSTEM'S BOUNDARIES D
Components for re-use (CRU)	*kg*	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE)	*kg*	7,03E-01	0,00E+00	0,00E+00	7,03E-01	0,00E+00	0,00E+00	0,00E+00
Exported thermal energy (EET)	*kg*	1,37E+00	0,00E+00	0,00E+00	1,37E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (MER)	*MJ*	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling (MFR)	*MJ*	3,44E+00	3,44E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

INVENTORY FLOW INDICATORS:
Per kW corresponding to the functional unit

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	BENEFITS AND CHARGES BEYOND THE SYSTEM'S BOUNDARIES D
Total use of non renewable primary energy resources (PENRT)	*MJ*	2,73E+05	1,41E+03	1,13E+02	2,35E+00	2,72E+05	7,06E+00	-2,31E+02
Total use of renewable primary energy resources (PERT)	*MJ*	7,21E+04	1,72E+02	1,86E+00	2,07E-01	7,19E+04	1,20E-01	-2,21E+01
Use of net fresh water (FW)	*m3*	1,74E+02	1,07E+00	1,38E-02	1,17E-04	1,73E+02	-1,08E-02*	-1,33E-01
Use of non renewable primary energy resources used as energy carrier (PENRE)	*MJ*	2,73E+05	1,39E+03	1,13E+02	5,71E+00	2,72E+05	7,06E+00	-2,31E+02
Use of non renewable primary energy resources used as raw materials (PENRM)	*MJ*	1,11E+01	1,45E+01	0,00E+00	-3,36E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels (NRSF)	*MJ*	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as energy carrier (PERE)	*MJ*	7,21E+04	1,26E+02	1,86E+00	2,61E+00	7,19E+04	1,20E-01	-2,21E+01
Use of renewable primary energy resources used as raw materials (PERM)	*MJ*	4,39E+01	4,63E+01	0,00E+00	-2,40E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	*MJ*	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of secondary materials (SM)	*kg*	4,39E+00	4,39E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

**The negative value comes from the Ecoinvent v.311 dataset used "treatment of wastewater, average, wastewater treatment \| wastewater, average \| Cutoff, S"*

INDICATORS DESCRIBING CATEGORIES OF WASTE:

Per kW corresponding to the functional unit

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	BENEFITS AND CHARGES BEYOND THE SYSTEM'S BOUNDARIES D
Hazardous waste disposed (HWD)	*kg*	3,38E+02	1,78E+01	1,16E-01	8,67E-03	3,20E+02	7,49E-03	-7,20E+00
Non hazardous waste disposed (NHWD)	*kg*	2,75E+03	1,41E+02	1,24E+00	8,76E-01	2,59E+03	1,18E+01	-1,86E+01
Radioactive waste disposed (RWD)	*kg*	1,94E+00	2,15E-03	3,36E-05	5,21E-06	1,94E+00	2,15E-06	-1,18E-04

OTHER INDICATORS:

	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)
Biogenic carbon content of product	*kg*	0
Biogenic carbon content of packaging	*kg*	9,51E-01

EXTRAPOLATION FACTOR OF HOMOGENEOUS ENVIRONMENTAL FAMILIES

The table shows the different configurations of the extrapolation coefficients of the homogeneous family and associated with the different life cycle phases. These coefficients are calculated in accordance with PCR-ed4-EN-2021 09 06 and PSR-0002-ed3.0-EN-2023 06 06. Extrapolation coefficients are given for the functional unit impact that is emission of 1 kW of heat. For each stage of the life cycle, impacts of the product are calculated by multiplying impacts of the declaration corresponding to the reference product by the coefficient of extrapolation. The column « Sum » must be calculated by adding the environmental impacts of each stage of the life cycle.

EXTRAPOLATION COEFFICIENTS

Homogeneous Family Products		Dimension (mm)	Output (W)	Product weight including packaging (kg)	Mass packaging (kg)	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and charges beyond the system's boundaries D
CLAUDIA® ELECTRIC WIFI	3581356100176	400x763	400	11,00	0,84	1,04	1,04	1,10	1,00	1,18	1,04
	3581356100180	500x763	400	13,00	0,99	1,23	1,23	1,30	1,00	1,40	1,23
	3581356100177	400x1195	600	16,00	1,22	1,01	1,01	1,07	1,00	1,15	1,01
	3581356100179	450x1195	600	18,00	1,37	1,14	1,14	1,20	1,00	1,29	1,14
	3581356100181	500x1195	700	20,00	1,52	1,09	1,09	1,14	1,00	1,23	1,09
	3581356100178	400x1411	700	19,00	1,44	1,03	1,03	1,09	1,00	1,17	1,03
	3581356100182	500x1411	900	23,00	1,75	0,97	0,97	1,02	1,00	1,10	0,97
	3581356100183	500x1807	900	29,00	2,20	1,22	1,22	1,29	1,00	1,38	1,22
	3581356100184	600x1807	1200	34,00	2,58	1,08	1,08	1,13	1,00	1,22	1,08
CLAUDIA® ELECTRIC PLUS	3581356100166	400x763	400	11,00	0,84	1,04	1,04	1,10	1,00	1,18	1,04
	3581356100160	500x763	400	13,00	0,99	1,23	1,23	1,30	1,00	1,40	1,23
	3581356100167	400x1195	600	16,00	1,22	1,01	1,01	1,07	1,00	1,15	1,01
	3581356100161	450x1195	600	18,00	1,37	1,14	1,14	1,20	1,00	1,04	1,14
	3581356100162	500x1195	700	20,00	1,52	1,09	1,09	1,14	1,00	1,23	1,09
	3581356100168	400x1411	700	19,00	1,44	1,03	1,03	1,09	1,00	1,01	1,03
	3581356100163	500x1411	900	23,00	1,75	0,97	0,97	1,02	1,00	1,13	0,97
	3581356100164	500x1807	900	29,00	2,20	1,22	1,22	1,29	1,00	1,08	1,22
	3581356100165	**600x1807**	**1200**	**34,00**	**2,28**	**1,00**	**1,00**	**1,00**	**1,00**	**1,00**	**1,00**

EXTRAPOLATION COEFFICIENTS

Homogeneous Family Products		Dimension (mm)	Output (W)	Product weight including packaging (kg)	Mass packaging (kg)	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and loads beyond the system boundarie D
CLAUDIA® ELECTRIC ECO	3581356100097	400x763	400	11,00	0,84	1,04	1,04	1,10	1,00	0,97	1,04
	3581356100091	500x763	400	13,00	0,99	1,23	1,23	1,30	1,00	1,22	1,23
	3581356100098	400x1195	600	16,00	1,22	1,01	1,01	1,07	1,00	1,07	1,01
	3581356100092	450x1195	600	18,00	1,37	1,14	1,14	1,20	1,00	1,04	1,14
	3581356100093	500x1195	700	20,00	1,52	1,09	1,09	1,14	1,00	1,23	1,09
	3581356100099	400x1411	700	19,00	1,44	1,03	1,03	1,09	1,00	1,01	1,03
	3581356100094	500x1411	900	23,00	1,75	0,97	0,97	1,02	1,00	1,13	0,97
	3581356100095	500x1807	900	29,00	2,20	1,22	1,22	1,29	1,00	1,08	1,22
	3581356100096	600x1807	1200	34,00	2,58	1,08	1,08	1,13	1,00	1,03	1,08
CLAUDIA® BLOWER	3581356100170	500x763	1000	10,10	0,77	0,38	0,38	0,40	1,00	0,97	0,38
	3581356100171	500x1195	1000	13,40	1,02	0,51	0,51	0,54	1,00	1,22	0,51
	3581356100172	500x1807	1000	18,10	1,38	0,69	0,69	0,72	1,00	1,00	0,69
	3581356100083	500x763	500	17,00	1,29	1,29	1,29	1,36	1,00	1,04	1,29
	3581356100084	500x1195	750	24,00	1,82	1,22	1,22	1,28	1,00	1,23	1,22
	3581356100085	500x1807	1000	33,00	2,51	1,25	1,25	1,32	1,00	1,01	1,25
LISA® 22 ELECTRIC	3581646100050	400x700	300	7,40	0,56	0,94	0,94	0,99	1,00	1,13	0,94
	3581646100051	500x700	400	8,40	0,64	0,80	0,80	0,84	1,00	1,08	0,80
	3581646100052	400x1160	400	11,20	0,85	1,06	1,06	1,12	1,00	1,03	1,06
	3581646100053	450x1160	500	11,90	0,90	0,90	0,90	0,95	1,00	0,97	0,90
	3581646100054	500x1160	600	12,70	0,97	0,80	0,80	0,85	1,00	1,22	0,80
	3581646100055	400x1385	500	13,40	1,02	1,02	1,02	1,07	1,00	1,07	1,02
	3581646100056	500x1385	700	15,30	1,16	0,83	0,83	0,87	1,00	0,38	0,83
	3581646100057	500x1732	900	18,40	1,40	0,78	0,78	0,82	1,00	0,51	0,78
	3581646100070	400x700	300	7,40	0,56	0,94	0,94	0,99	1,00	0,68	0,94

EXTRAPOLATION COEFFICIENTS

Homogeneous Family Products		Dimension (mm)	Output (W)	Product weight including packaging (kg)	Mass packaging (kg)	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and loads beyond the system boundarie D
LISA® 22 ELECTRIC	3581646100071	500x700	400	8,40	0,64	0,80	0,80	0,84	1,00	1,29	0,80
	3581646100072	400x1160	400	11,20	0,85	1,06	1,06	1,12	1,00	1,21	1,06
	3581646100073	450x1160	500	11,90	0,90	0,90	0,90	0,95	1,00	1,25	0,90
	3581646100074	500x1160	600	12,70	0,97	0,80	0,80	0,85	1,00	0,93	0,80
	3581646100075	400x1385	500	13,40	1,02	1,02	1,02	1,07	1,00	0,79	1,02
	3581646100076	500x1385	700	15,30	1,16	0,83	0,83	0,87	1,00	1,06	0,83
	3581646100077	500x1732	900	18,40	1,40	0,78	0,78	0,82	1,00	0,90	0,78
LISA® 22 ELECTRIC For domotic control	3581646100090	400x700	300	7,00	0,53	0,89	0,89	0,93	1,00	0,80	0,89
	3581646100091	500x700	400	8,00	0,61	0,76	0,76	0,80	1,00	1,01	0,76
	3581646100092	400x1160	400	11,00	0,84	1,04	1,04	1,10	1,00	0,83	1,04
	3581646100093	450x1160	500	11,60	0,88	0,88	0,88	0,93	1,00	0,77	0,88
	3581646100094	500x1160	600	12,20	0,93	0,77	0,77	0,81	1,00	0,93	0,77
	3581646100095	400x1385	500	13,20	1,00	1,00	1,00	1,06	1,00	0,79	1,00
	3581646100096	500x1385	700	15,20	1,16	0,82	0,82	0,87	1,00	1,06	0,82
	3581646100097	500x1732	900	18,20	1,38	0,77	0,77	0,81	1,00	0,90	0,77
LISA® 22 BLACK ELECTRIC	3581646100150	400x700	300	7,40	0,56	0,94	0,94	0,99	1,00	0,80	0,94
	3581646100151	500x700	400	8,70	0,66	0,83	0,83	0,87	1,00	1,01	0,83
	3581646100152	400x1160	400	11,20	0,85	1,06	1,06	1,12	1,00	0,83	1,06
	3581646100153	450x1160	500	11,90	0,90	0,90	0,90	0,95	1,00	0,77	0,90
	3581646100154	500x1160	600	12,70	0,97	0,80	0,80	0,85	1,00	0,88	0,80
	3581646100155	400x1385	500	13,40	1,02	1,02	1,02	1,07	1,00	0,76	1,02
	3581646100156	500x1385	700	15,30	1,16	0,83	0,83	0,87	1,00	1,04	0,83
	3581646100157	500x1732	900	18,40	1,40	0,78	0,78	0,82	1,00	0,88	0,78

EXTRAPOLATION COEFFICIENTS

Homogeneous Family Products		Dimension (mm)	Output (W)	Product weight including packaging (kg)	Mass packaging (kg)	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and loads beyond the system boundarie D
LISA 22 BLACK ELECTRIC For domotic control	3581646100160	400x700	300	7,00	0,53	0,89	0,89	0,93	1,00	0,77	0,89
	3581646100161	500x700	400	8,00	0,61	0,76	0,76	0,80	1,00	1,00	0,76
	3581646100162	400x1160	400	11,00	0,84	1,04	1,04	1,10	1,00	0,82	1,04
	3581646100163	450x1160	500	11,60	0,88	0,88	0,88	0,93	1,00	0,77	0,88
	3581646100164	500x1160	600	12,20	0,93	0,77	0,77	0,81	1,00	0,93	0,77
	3581646100165	400x1385	500	13,20	1,00	1,00	1,00	1,06	1,00	0,82	1,00
	3581646100166	500x1385	700	15,20	1,16	0,82	0,82	0,87	1,00	1,06	0,82
	3581646100167	500x1732	900	18,20	1,38	0,77	0,77	0,81	1,00	0,90	0,77
LISA® 2 BLOWER	3581586100153	500x940	1000	8,40	0,64	0,32	0,32	0,34	1,00	0,80	0,32
	3581586100154	500x1380	1000	11,00	0,84	0,42	0,42	0,44	1,00	1,01	0,42
	3581586100155	500x1807	1000	16,10	1,22	0,61	0,61	0,64	1,00	0,83	0,61
LISA® 2 BLOWER (CLASS 2)	3581586100150	500x940	1000	8,40	0,99	0,49	0,49	0,52	1,00	0,77	0,49
	3581586100151	500x1380	1000	11,00	1,52	0,76	0,76	0,80	1,00	0,88	0,76
	3581586100152	500x1807	1000	16,10	1,90	0,95	0,95	1,00	1,00	0,76	0,95
LISA® 2 BLOWER MIXED	3581586100163	500x940	1000	6,40	0,49	0,24	0,24	0,26	1,00	1,04	0,24
	3581586100164	500x1380	1000	9,40	0,71	0,36	0,36	0,38	1,00	0,88	0,36
	3581586100165	500x1807	1000	12,80	0,97	0,49	0,49	0,51	1,00	0,77	0,49
LISA® 2 BLOWER MIXED (CLASS 2)	3581586100169	500x940	1000	6,40	0,49	0,24	0,24	0,26	1,00	1,00	0,24
	3581586100170	500x1380	1000	9,40	0,71	0,36	0,36	0,38	1,00	0,82	0,36
	3581586100171	500x1807	1000	12,80	0,97	0,49	0,49	0,51	1,00	0,77	0,49
LISA® 2 ELECTRIC (CLASS D)	3581586100163	500x940	500	11,80	0,90	0,90	0,90	0,94	1,00	0,32	0,90
	3581586100164	500x1380	750	17,00	1,29	0,86	0,86	0,91	1,00	0,42	0,86
	3581586100165	500x1807	1000	22,40	1,70	0,85	0,85	0,90	1,00	0,61	0,85

EXTRAPOLATION COEFFICIENTS

Homogeneous Family Products		Dimension (mm)	Output (W)	Product weight including packaging (kg)	Mass packaging (kg)	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and loads beyond the system boundarie D
ROBERTA ELECTRIC	3581656100010	400X700	300	6,00	0,46	0,90	0,90	0,94	1,00	0,49	0,90
	3581656100011	500X700	400	8,00	0,61	0,86	0,86	0,91	1,00	0,76	0,86
	3581656100012	400X13238	500	11,00	0,84	0,85	0,85	0,90	1,00	0,95	0,85
	3581656100013	450X1238	600	12,00	0,91	0,76	0,76	0,80	1,00	0,24	0,76
	3581656100014	500X1238	600	13,00	0,99	0,76	0,76	0,80	1,00	0,36	0,76
	3581656100015	400X1496	700	14,00	1,06	0,84	0,84	0,88	1,00	0,48	0,84
	3581656100016	500X1496	700	15,00	1,14	0,76	0,76	0,80	1,00	0,24	0,76
	3581656100017	500X1775	900	18,00	1,37	0,82	0,82	0,87	1,00	0,36	0,82
	3581656100020	400X700	300	6,00	0,46	0,76	0,76	0,80	1,00	0,48	0,76
	3581656100021	500X700	400	8,00	0,61	0,81	0,81	0,86	1,00	0,89	0,81
	3581656100022	400X13238	500	11,00	0,84	0,76	0,76	0,80	1,00	0,86	0,76
	3581656100023	450X1238	600	12,00	0,91	0,76	0,76	0,80	1,00	0,85	0,76
	3581656100024	500X1238	600	13,00	0,99	0,76	0,76	0,80	1,00	0,89	0,76
	3581656100025	400X1496	700	14,00	1,06	0,84	0,84	0,88	1,00	0,86	0,84
	3581656100026	500X1496	700	15,00	1,14	0,76	0,76	0,80	1,00	0,85	0,76
	3581656100027	500X1775	900	18,00	1,37	0,82	0,82	0,87	1,00	0,76	0,82

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1,24E+04 kg CO_2 eq.
Global Warming*

3,45E+05 MJ
Total use of primary energy*

1,82E-01 kg Sb-eq.
Depletion of abiotic resources*

1,74E+02 m^3
Net use of fresh water*

*Results based on the lifecycle analysis

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