PRODUCT ENVIRONMENTAL PROFILE

EWAH-TZD

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Verifier accreditation number: VH42	Information and reference documents: www.pep-ecopassport.org
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Independent verification of the declaration and data in compliance with ISO 14025: 2010

Internal ☐ External ☑

The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)

PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019
The components of the present PEP may not be compared with components from any other program.

Document complies with ISO 14025: 2006 «Environmental labels and declarations.
Type III Environmental declarations»

GENERAL INFORMATION

MANUFACTURER INFORMATION

Manufacturer	Daikin Applied Europe SpA
Address	Via Piani di Santa Maria, 72 00072 Ariccia (Rome) Italy
Contact details	epddae@daikinapplied.eu
Website	Daikin TZ IV Generation

PRODUCT IDENTIFICATION

Product family	EWAH-TZD
Reference Product	EWAHH12TZSSD2
Place(s) of production	Italy
Place(s) of installation	France

PRODUCT INFORMATION

Technology	Air-to-Water Inverter Screw Chiller		
Function	Package unit for comfort cooling for industrial applications.		
Unit	EWAHH12TZSSD2		
$P_{cooling}$ (Pc)	1331.7 kW		
$t_{cooling}$	600 h		
SEER	5.735		
Refrigerant	R1234ze	**Reference service life (DVR)**	22 y
Homogenous Family	Screw Chiller EWAH-TZD (see extrapolation table page 15)		
Additional info	The use stage is modelled according to the performance data declared for the Ecodesign Directive 2009/125/EU. The performances are based on the following conditions: cooling water temperature 12/7°C; outdoor air temperature 35°C.		

DECLARED UNIT

Declared unit	"To produce cooling thanks to an air to water chiller of 1331.7 kW (cooling capacity) according to the appropriate use scenario and during the 22-year reference lifetime of the product".
Total weight	10161.22 kg
Unit weight	10135 kg
Packaging weight	26.22 kg

FUNCTIONAL UNIT

Functional unit	"To produce 1 kW of cooling according to the appropriate usage scenario defined in the EN 14825 standard and during the 22-year reference lifetime of the product."
FU weighting value	1 kW / 1331.7 kW
Total weight	7.63 kg
Unit weight	7.61 kg
Packaging weight	0.02 kg

The reference flow consider:

- a thermodynamic generator with electric compression with a specific reference lifetime;
- its packaging.

CONSTITUENT MATERIALS

Table 1 Raw Material Composition

PEP Material categories	Materials	Weight %	%
Metals	Steel	46.8	78.6%
	Cast Iron	19.0	
	Copper	6.8	
	Aluminium	6.0	
	Brass	< 0.1	
	Brazing solder	< 0.1	
Plastics	Insulation foam	0.1	0.6%
	Packaging film	0.3	
	Polyetilene	0.2	
Others	Elec.motors	11.2	20.8%
	Glass fiber	1.8	
	Refrigerant	2.0	
	Cables	2.0	
	Refrigerant oil	0.4	
	Electric components	3.4	

LIFE-CYCLE ASSESSMENT

LIFE-CYCLE ASSESSMENT INFORMATION

Reference year	FY 23 (April 23 – March 24)

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0

SYSTEM BOUNDARY

This PEP covers the cradle to grave scope with following modules: A1 (Raw material supply), A2 (Transport) and A3 (Manufacturing), A4 (Transport), A5 (Assembly) as well as C1 (Deconstruction), C2 (Transport at end-of-life), C3 (Waste processing) and C4 (Disposal). In addition, module D - benefits and loads beyond the system boundary is included.

Product stage			Assembly stage		Use stage							End of life stage				Beyond the system boundaries		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	D	D
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Geography, by two-letter ISO country code or regions.																		
EU	EU	EU	EU	EU	-	-	-	-	-	-	-	EU	EU	EU	EU	EU		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstr./demol.	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Modules not declared = MND. Modules not relevant = MNR.

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the EN 15804:2012+A2:2019 and the applied PCR. The study does not exclude any hazardous materials or substances.

The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes, for which data is available for, are included in the calculation. The energy consumptions during the installation stage are included but the concrete slab mass is excluded due to the typical installation of the product (light commercial use).

There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

PRODUCT LIFE-CYCLE

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission, most of the data are modelled using the European energy mix.

The reference product consists of one unit of the series EWAH-TZD. The unit is manufactured in Italy in the manufacturing site located in Ariccia (RM). Transportation of components to the manufacturing site is accounted based on actual distance and mode of transport. The manufacturing energy considered is based on the electricity mix certified (by GSE) for the manufacturing site by the energy supplier company: green hydroelectric power from Norway country.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation of the product in its packaging from the manufacturer's last logistics platform (A4) to the distributor and from the distributor to the installation place (A5), as defined by PCR-ed4-EN-2021 09 06, covers fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

The distribution stage has been analysed in accordance with the section 2.5.3. on transport scenarios of the PCR (PEP-PCR-ed4-EN-2021 09 06) in force.

The reference product is manufactured and distributed as a make-to-stock (MTS) product in Europe. For this reason, no specific data on transport from the manufacturing site to the installation site are available: the default data for intracontenital transport is taken into consideration.
- Intracontinental transport: 3,500 km by lorry.

The packaging scenarios for the installation stage are modelled according to requirements of PEP Ecopassport PSR-0013-ed3.0-EN-2023-06-06 - clause 3.5.3.2. Waste generated during the installation phase.
By sector-based agreement, the transport stage for this waste shall be taken into account, assuming that it is trucked over a distance of 100 km.

The energy consumptions for the installation stage include the handling and lifting activities and the commissioning running test, the energy mixed used is “market for electricity, low voltage – France”.

Table 2.Packaging EOL Scenario France scope

EoL of the packaging mass	Paper-Cardboard	Wood	Plastic
Recycling rate	91%	7%	27%
Incineration with energy production	5%	31%	43%
Incineration without energy production	0%	0%	0%
Burial rate	4%	62%	30%
** Metals are not present in the packaging of the products*			

PRODUCT USE AND MAINTENANCE (B1-B7)

The use stage scenario is calculated based on the methodology given in PSR-0013-ed3.0-EN-2023-06-06. The reference service time (DVR) is 22 years and the evaluation of the total consumption energy during the use phase is also taken into account. The equipment will be installed in a commercial building.

The water consumptions during the manufacturing stage are evaluated according to the clause 3.5.4.5.- Consideration of water consumption and liquid waste (module B7). The product in scope is an Air-to-Water unit, the circulation of pre-treated water in a closed loop is necessary during the use stage. The quantity of water consumed throughout the equipment life cycle is equivalent to the volume of the equipment's water circuit.

The impacts of refrigerant leakage, equipment maintenance and refrigerant refilling have been considered according to PSR-0013-ed3.0-EN-2023-06-06 using the formula $Efu = Qfu * DVR$.

Table 3: Use Stage Details

Use of the Product (B1)	Emission of refrigerant during the use phase 1.32 kg R1234ze (1.848 kgCO2eq)	
Maintenance (B2)	Number of refills	1
	Transport	1 person (80kg) + Equipment (15kg) in truck, 100km, every 2 years
	No parts require mandatory replacement.	
Energy used by the reference product	Type of energy	France energy mix* 0.087 kg CO2e / kWh
	Ctot (Total energy consumption of the reference product)	3.065.115,95 kWh
	Reference lifetime (RLT)	22 years

**Ecoinvent 3.10*

PRODUCT END OF LIFE (C1-C4, D)

The End of Life (EOL) is the stage accounted for at the end of life of the product and of the refrigerant. The EOL of the product is modelled using PCR-ed4-EN-2021 09 06. The EOL scenario of the refrigerant is modelled based on the methodology described in PSR-0013-ed3.0-EN-2023-06-06.

Out of the refrigerant recovered, 10% is incinerated without energy recovery and 90% is regenerated for reuse.

The reference energy mix for EoL is the European mix.

ENVIRONMENTAL IMPACTS PER DECLARED UNIT

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Global Warming Potential total kg CO2e	3,54E+05	7,60E+04	3,82E+03	1,61E+02	2,69E+05	5,01E+03	-2,96E+04
Global Warming Potential fossil kg CO2e	3,53E+05	7,59E+04	3,81E+03	1,61E+02	2,69E+05	5,01E+03	-2,96E+04
Global Warming Potential biogenic kg CO2e	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential, LULUC kg CO2e	3,99E+02	1,37E+02	1,31E+00	7,70E-02	2,55E+02	5,40E+00	-5,72E+01
Depletion potential of the stratospheric ozone layer kg CFC11e	1,99E-01	1,88E-01	7,67E-05	3,35E-06	1,07E-02	5,10E-05	-1,55E-01
Acidification potential, Accumulated Exceedance mol H+ eq.	3,01E+03	1,11E+03	1,23E+01	6,59E-01	1,87E+03	1,73E+01	-6,65E+02
Eutrophication aquatic freshwater kg P eq.	1,63E+01	7,41E+00	2,97E-02	2,66E-03	8,71E+00	1,92E-01	-3,41E+00
Eutrophication aquatic marine kg N eq.	3,68E+02	9,02E+01	4,13E+00	1,31E-01	2,70E+02	3,59E+00	-3,69E+01
Eutrophication terrestrial mol N eq.	4,14E+03	1,09E+03	4,55E+01	1,44E+00	2,96E+03	3,96E+01	-4,85E+02
Formation potential of tropospheric ozone kg NMVOC eq.	1,44E+03	3,93E+02	2,01E+01	5,23E-01	1,01E+03	1,31E+01	-1,58E+02
Abiotic depletion potential (ADP-elements) for non fossil resources (+A2) kg Sbe	2,75E+01	1,46E+01	1,05E-02	3,49E-03	1,29E+01	1,63E-02	-7,97E+00
Abiotic depletion potential (ADP-fossil fuels) for fossil resources (+A2) MJ	3,58E+07	8,99E+05	5,52E+04	1,00E+04	3,47E+07	5,89E+04	-2,93E+05
Water use m3 deprived	4,73E+05	3,03E+04	2,78E+02	1,21E+02	4,40E+05	2,17E+03	-1,13E+04

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Particulate matter emissions incidence	1,58E-02	5,28E-03	3,78E-04	6,18E-06	9,76E-03	4,11E-04	-2,44E-03
Ionising radiation, human health kBq U-235eq	3,46E+05	2,11E+03	2,44E+01	9,23E+01	3,44E+05	3,22E+02	-4,18E+02
Eco-toxicity (freshwater) CTUe	4,65E+06	2,30E+06	1,31E+04	7,25E+02	2,25E+06	8,74E+04	-1,29E+06
Human toxicity, cancer effects CTUh	6,34E-03	4,87E-03	2,36E-05	6,20E-07	1,39E-03	4,92E-05	-3,10E-03
Human toxicity, non-cancer effects CTUh	2,22E-02	1,07E-02	3,66E-05	3,27E-06	1,14E-02	7,48E-05	-6,90E-03
Land use related impacts/ Soil quality dimensionless	2,70E+06	5,15E+05	5,56E+04	6,32E+02	2,10E+06	2,37E+04	-2,24E+05

USE OF NATURAL RESOURCES

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Use of renewable primary energy resources as energy MJ	3,79E+06	1,11E+05	8,77E+02	9,94E+02	3,67E+06	9,35E+03	-3,93E+04
Use of renewable primary energy resources as raw materials MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy MJ	3,79E+06	1,11E+05	8,77E+02	9,94E+02	3,67E+06	9,35E+03	-3,93E+04
Use of non renewable primary energy as energy MJ	3,57E+07	8,86E+05	5,52E+04	8,79E+03	3,47E+07	4,00E+04	-2,89E+05
Use of non renewable primary energy as raw materials MJ	1,11E+03	1,11E+03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of non renewable primary energy MJ	3,57E+07	8,88E+05	5,52E+04	8,79E+03	3,47E+07	4,00E+04	-2,89E+05
Use of secondary materials kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels MJ	2,17E+02	1,97E+02	3,01E-01	6,16E-03	1,87E+01	9,85E-01	-3,10E+00
Use of non renewable secondary fuels MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water m3	1,15E+04	8,20E+02	8,04E+00	2,88E+00	1,06E+04	6,60E+01	-3,42E+02
Total use of primary energy during the life cycle MJ	3,95E+07	9,99E+05	5,61E+04	9,78E+03	3,84E+07	4,94E+04	-3,28E+05

WASTE & OUTPUT FLOWS

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Hazardous waste disposed kg	3,95E+04	1,47E+04	8,03E+01	6,99E+00	2,16E+04	3,04E+03	-9,58E+03
Non hazardous waste disposed kg	1,18E+06	5,73E+05	1,61E+03	2,31E+02	5,93E+05	1,64E+04	-2,79E+05
Radioactive waste disposed kg	4,49E+02	1,49E+00	1,66E-02	1,20E-01	4,47E+02	2,57E-01	-2,76E-01
Components for re-use kg	1,63E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,63E+02	0,00E+00
Materials for recycling kg	7,48E+03	2,80E+02	0,00E+00	7,08E+00	0,00E+00	7,19E+03	0,00E+00
Materials for energy recovery kg	1,33E+02	1,22E+02	0,00E+00	1,13E+01	0,00E+00	0,00E+00	0,00E+00
Exported Energy MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS PER FUNCTIONAL UNIT

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Global Warming Potential total kg CO2e/FU	2,66E+02	5,71E+01	2,87E+00	1,21E-01	2,02E+02	3,76E+00	-2,23E+01
Global Warming Potential fossil kg CO2e/FU	2,65E+02	5,70E+01	2,86E+00	1,21E-01	2,02E+02	3,76E+00	-2,22E+01
Global Warming Potential biogenic kg CO2e/FU	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential, LULUC kg CO2e/FU	3,00E-01	1,03E-01	9,82E-04	5,78E-05	1,92E-01	4,06E-03	-4,30E-02
Depletion potential of the stratospheric ozone layer kg CFC11e/FU	1,49E-04	1,41E-04	5,76E-08	2,52E-09	8,04E-06	3,83E-08	-1,16E-04
Acidification potential, Accumulated Exceedance mol H+ eq./FU	2,26E+00	8,33E-01	9,25E-03	4,95E-04	1,41E+00	1,30E-02	-4,99E-01
Eutrophication aquatic freshwater kg P eq./FU	1,23E-02	5,57E-03	2,23E-05	1,99E-06	6,54E-03	1,44E-04	-2,56E-03
Eutrophication aquatic marine kg N eq./FU	2,77E-01	6,77E-02	3,10E-03	9,86E-05	2,03E-01	2,70E-03	-2,77E-02
Eutrophication terrestrial mol N eq./FU	3,11E+00	8,22E-01	3,42E-02	1,08E-03	2,22E+00	2,97E-02	-3,65E-01
Formation potential of tropospheric ozone kg NMVOC eq./FU	1,08E+00	2,95E-01	1,51E-02	3,93E-04	7,62E-01	9,80E-03	-1,19E-01
Abiotic depletion potential (ADP-elements) for non fossil resources (+A2) kg Sbe/FU	2,07E-02	1,10E-02	7,90E-06	2,62E-06	9,67E-03	1,23E-05	-6,00E-03
Abiotic depletion potential (ADP-fossil fuels) for fossil resources (+A2) MJ/FU	2,69E+04	6,75E+02	4,15E+01	7,51E+00	2,61E+04	0,00E+00	-2,20E+02
Water use m3 deprived/FU	3,55E+02	2,28E+01	2,08E-01	9,09E-02	3,30E+02	1,63E+00	-8,47E+00

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Particulate matter emissions incidence/FU	1,19E-05	3,97E-06	2,84E-07	4,64E-09	7,33E-06	3,08E-07	-1,83E-06
Ionising radiation, human health kBq U-235eq/FU	2,60E+02	1,58E+00	1,83E-02	6,93E-02	2,58E+02	2,42E-01	-3,14E-01
Eco-toxicity (freshwater) CTUe/FU	3,49E+03	1,72E+03	9,84E+00	5,45E-01	1,69E+03	6,56E+01	-9,66E+02
Human toxicity, cancer effects CTUh/FU	4,76E-06	3,66E-06	1,77E-08	4,66E-10	1,04E-06	3,70E-08	-2,33E-06
Human toxicity, non-cancer effects CTUh/FU	1,67E-05	8,06E-06	2,75E-08	2,46E-09	8,56E-06	5,62E-08	-5,18E-06
Land use related impacts/ Soil quality dimensionless/FU	2,02E+03	3,87E+02	4,17E+01	4,75E-01	1,58E+03	1,78E+01	-1,68E+02

USE OF NATURAL RESOURCES

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Use of renewable primary energy resources as energy MJ/FU	2,85E+03	8,35E+01	6,59E-01	7,47E-01	2,76E+03	7,02E+00	-2,95E+01
Use of renewable primary energy resources as raw materials MJ/FU	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy MJ/FU	2,85E+03	8,35E+01	6,59E-01	7,47E-01	2,76E+03	7,02E+00	-2,95E+01
Use of non renewable primary energy as energy MJ/FU	2,68E+04	6,66E+02	4,15E+01	6,60E+00	2,61E+04	3,00E+01	-2,17E+02
Use of non renewable primary energy as raw materials MJ/FU	8,36E-01	8,36E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,60E+00
Total use of non renewable primary energy MJ/FU	2,68E+04	6,66E+02	4,15E+01	6,60E+00	2,61E+04	3,00E+01	-2,22E+02
Use of secondary materials kg/FU	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels MJ/FU	1,63E-01	1,48E-01	2,26E-04	4,63E-06	1,41E-02	7,40E-04	-2,33E-03
Use of non renewable secondary fuels MJ/FU	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water m3/FU	8,62E+00	6,16E-01	6,03E-03	2,16E-03	7,95E+00	4,95E-02	-2,57E-01
Total use of primary energy during the life cycle MJ/FU	2,97E+04	7,50E+02	4,21E+01	7,35E+00	2,89E+04	3,71E+01	-2,46E+02

WASTE & OUTPUT FLOWS

	TOTAL (ex mod.D)	Manufacturing (A1-A3)	Distribution (A4)	Installation (A5)	Use (B1-B7)	EoL (C1-C4)	Benefits & Loads (D)
Hazardous waste disposed kg/FU	2,97E+01	1,11E+01	6,03E-02	5,25E-03	1,62E+01	2,28E+00	-7,19E+00
Non hazardous waste disposed kg/FU	8,89E+02	4,30E+02	1,21E+00	1,74E-01	4,45E+02	1,23E+01	-2,10E+02
Radioactive waste disposed kg/FU	3,37E-01	1,12E-03	1,25E-05	9,00E-05	3,36E-01	1,93E-04	-2,07E-04
Components for re-use kg/FU	1,22E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,22E-01	0,00E+00
Materials for recycling kg/FU	5,62E+00	2,10E-01	0,00E+00	5,32E-03	0,00E+00	5,40E+00	0,00E+00
Materials for energy recovery kg/FU	9,98E-02	9,13E-02	0,00E+00	8,46E-03	0,00E+00	0,00E+00	0,00E+00
Exported Energy MJ/FU	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

HOMOGENEOUS ENVIRONMENTAL FAMILIES

All extrapolation coefficients are calculated according to the declared Ecodesign performance data and the unit weight indicated in the dimensional drawings.

Extrapolation coefficient for functional unit	EWAH235TZBSD1	EWAH255TZBSD1	EWAH300TZBSD1	EWAH350TZBSD1	EWAH400TZBSD1	EWAH420TZBSD1	EWAH455TZBSD1	EWAH505TZBSD1	EWAH545TZBSD1	EWAH400TZBSD2	EWAH425TZBSD2	EWAH485TZBSD2	EWAH545TZBSD2	EWAH590TZBSD2	EWAH635TZBSD2	EWAH745TZBSD2	EWAH785TZBSD2	EWAH845TZBSD2	EWAH900TZBSD2	EWAH985TZBSD2	EWAHC11TZBSD2	EWAHH11TZBSD2	EWAHC13TZBSD2	EWAHH13TZBSD2	EWAHH14TZBSD2	EWAHC15TZBSD2	EWAHH15TZBSD2
Manufacturing stage	1,45	1,34	1,17	1,27	1,14	1,46	1,01	1,22	0,85	1,61	1,09	1,07	1,20	1,21	1,10	1,14	1,08	1,05	1,05	0,98	0,99	1,08	1,01	0,82	0,86	0,87	0,88
Distribution stage	1,45	1,34	1,17	1,27	1,14	1,46	1,01	1,22	0,85	1,61	1,09	1,07	1,20	1,21	1,10	1,14	1,08	1,05	1,05	0,98	0,99	1,08	1,01	0,82	0,86	0,87	0,88
Installation stage	0,08	0,09	0,10	0,14	0,16	0,16	0,18	0,20	0,24	0,18	0,19	0,22	0,24	0,28	0,31	0,40	0,43	0,46	0,53	0,58	0,70	0,75	0,91	0,96	1,11	1,15	1,29
Use stage	1,28	1,31	1,32	1,23	1,25	1,25	1,25	1,26	1,26	1,30	1,25	1,25	1,25	1,26	1,24	1,20	1,21	1,20	1,20	1,22	1,22	1,23	1,13	1,14	1,14	1,15	1,15
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	1,45	1,34	1,16	1,26	1,14	1,46	1,01	1,22	0,85	1,61	1,09	1,07	1,19	1,21	1,10	1,14	1,08	1,05	1,05	0,98	0,99	1,08	1,01	0,82	0,86	0,87	0,88
Extrapolation coefficient for declared unit	**EWAH235TZBSD1**	**EWAH255TZBSD1**	**EWAH300TZBSD1**	**EWAH350TZBSD1**	**EWAH400TZBSD1**	**EWAH420TZBSD1**	**EWAH455TZBSD1**	**EWAH505TZBSD1**	**EWAH545TZBSD1**	**EWAH400TZBSD2**	**EWAH425TZBSD2**	**EWAH485TZBSD2**	**EWAH545TZBSD2**	**EWAH590TZBSD2**	**EWAH635TZBSD2**	**EWAH745TZBSD2**	**EWAH785TZBSD2**	**EWAH845TZBSD2**	**EWAH900TZBSD2**	**EWAH985TZBSD2**	**EWAHC11TZBSD2**	**EWAHH11TZBSD2**	**EWAHC13TZBSD2**	**EWAHH13TZBSD2**	**EWAHH14TZBSD2**	**EWAHC15TZBSD2**	**EWAHH15TZBSD2**
Manufacturing stage	0,26	0,26	0,26	0,34	0,34	0,46	0,34	0,46	0,34	0,48	0,35	0,39	0,48	0,52	0,52	0,64	0,64	0,67	0,71	0,72	0,82	0,95	1,00	0,85	0,95	1,00	1,05
Distribution stage	0,26	0,26	0,26	0,34	0,34	0,46	0,34	0,46	0,34	0,48	0,35	0,39	0,48	0,52	0,52	0,64	0,64	0,67	0,71	0,72	0,82	0,95	1,00	0,85	0,95	1,00	1,05
Installation stage	0,46	0,46	0,46	0,52	0,52	0,52	0,52	0,52	0,59	0,59	0,59	0,59	0,59	0,66	0,66	0,72	0,72	0,72	0,79	0,79	0,85	0,85	0,92	0,92	1,00	1,00	1,08
Use stage	0,23	0,25	0,30	0,33	0,37	0,39	0,42	0,47	0,51	0,39	0,40	0,46	0,50	0,54	0,59	0,67	0,71	0,76	0,81	0,90	1,01	1,09	1,12	1,18	1,26	1,33	1,37
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	0,26	0,26	0,26	0,34	0,34	0,46	0,34	0,46	0,34	0,48	0,35	0,39	0,48	0,52	0,52	0,64	0,64	0,67	0,71	0,72	0,82	0,95	1,00	0,85	0,95	1,00	1,05

HOMOGENEOUS ENVIRONMENTAL FAMILIES

Extrapolation coefficient for functional unit	EWAH240TZSSD1	EWAH265TZSSD1	EWAH295TZSSD1	EWAH370TZSSD1	EWAH415TZSSD1	EWAH450TZSSD1	EWAH490TZSSD1	EWAH540TZSSD1	EWAH400TZSSD2	EWAH470TZSSD2	EWAH535TZSSD2	EWAH595TZSSD2	EWAH630TZSSD2	EWAH690TZSSD2	EWAH740TZSSD2	EWAH795TZSSD2	EWAH855TZSSD2	EWAH910TZSSD2	EWAH980TZSSD2	EWAHC10TZSSD2	EWAHC11TZSSD2	EWAHC12TZSSD2	EWAHH12TZSSD2	EWAHH13TZSSD2	EWAHC14TZSSD2	EWAHC15TZSSD2	EWAHH15TZSSD2
Manufacturing stage	1,63	1,49	1,37	1,40	1,25	1,17	1,07	1,08	1,68	1,45	1,37	1,27	1,20	1,22	1,14	1,14	1,11	1,31	1,07	1,08	1,06	1,01	1,00	0,95	0,93	0,94	0,90
Distribution stage	1,63	1,49	1,37	1,40	1,25	1,17	1,07	1,08	1,68	1,45	1,37	1,27	1,20	1,22	1,14	1,14	1,11	1,31	1,07	1,08	1,06	1,01	1,00	0,95	0,93	0,94	0,90
Installation stage	0,10	0,10	0,12	0,16	0,18	0,20	0,21	0,26	0,20	0,23	0,25	0,32	0,34	0,38	0,40	0,47	0,50	0,58	0,68	0,78	0,84	0,91	1,00	1,06	1,21	1,33	1,38
Use stage	1,02	1,04	1,07	1,02	1,04	1,04	1,04	1,03	1,07	1,10	1,09	1,08	1,10	1,04	1,05	1,04	1,04	1,04	1,04	1,04	1,04	1,07	1,00	1,01	1,00	0,99	1,01
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	1,63	1,49	1,36	1,40	1,25	1,17	1,07	1,08	1,68	1,44	1,37	1,27	1,20	1,22	1,14	1,14	1,11	1,32	1,07	1,08	1,06	1,00	1,00	0,95	0,93	0,94	0,90
Extrapolation coefficient for declared unit	**EWAH240TZSSD1**	**EWAH265TZSSD1**	**EWAH295TZSSD1**	**EWAH370TZSSD1**	**EWAH415TZSSD1**	**EWAH450TZSSD1**	**EWAH490TZSSD1**	**EWAH540TZSSD1**	**EWAH400TZSSD2**	**EWAH470TZSSD2**	**EWAH535TZSSD2**	**EWAH595TZSSD2**	**EWAH630TZSSD2**	**EWAH690TZSSD2**	**EWAH740TZSSD2**	**EWAH795TZSSD2**	**EWAH855TZSSD2**	**EWAH910TZSSD2**	**EWAH980TZSSD2**	**EWAHC10TZSSD2**	**EWAHC11TZSSD2**	**EWAHC12TZSSD2**	**EWAHH12TZSSD2**	**EWAHH13TZSSD2**	**EWAHC14TZSSD2**	**EWAHC15TZSSD2**	**EWAHH15TZSSD2**
Manufacturing stage	0,30	0,30	0,30	0,38	0,38	0,39	0,39	0,43	0,51	0,51	0,52	0,57	0,57	0,64	0,64	0,68	0,71	0,90	0,79	0,85	0,88	0,91	1,00	1,00	1,05	1,09	1,09
Distribution stage	0,30	0,30	0,30	0,38	0,38	0,39	0,39	0,43	0,51	0,51	0,52	0,57	0,57	0,64	0,64	0,68	0,71	0,90	0,79	0,85	0,88	0,91	1,00	1,00	1,05	1,09	1,09
Installation stage	0,52	0,52	0,52	0,59	0,59	0,59	0,59	0,66	0,66	0,66	0,66	0,72	0,72	0,72	0,72	0,79	0,79	0,85	0,92	1,00	1,00	1,00	1,00	1,00	1,08	1,15	1,15
Use stage	0,19	0,21	0,24	0,28	0,32	0,35	0,38	0,41	0,32	0,39	0,42	0,48	0,52	0,54	0,59	0,62	0,67	0,71	0,77	0,81	0,87	0,98	1,00	1,07	1,12	1,15	1,22
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	0,30	0,30	0,30	0,38	0,38	0,39	0,39	0,43	0,51	0,51	0,52	0,56	0,56	0,64	0,64	0,68	0,71	0,90	0,79	0,85	0,88	0,91	1,00	1,00	1,05	1,09	1,09

HOMOGENEOUS ENVIRONMENTAL FAMILIES

Extrapolation coefficient for functional unit	EWAH220TZXSD1	EWAH230TZXSD1	EWAH275TZXSD1	EWAH300TZXSD1	EWAH350TZXSD1	EWAH400TZXSD1	EWAH470TZXSD1	EWAH515TZXSD1	EWAH540TZXSD1	EWAH620TZXSD1	EWAH465TZXSD2	EWAH545TZXSD2	EWAH600TZXSD2	EWAH645TZXSD2	EWAH700TZXSD2	EWAH750TZXSD2	EWAH790TZXSD2	EWAH840TZXSD2	EWAH900TZXSD2	EWAH975TZXSD2	EWAHH10TZXSD2	EWAHH11TZXSD2	EWAHH12TZXSD2	EWAHH13TZXSD2
Manufacturing stage	1,67	1,14	1,56	1,44	1,49	1,31	1,28	1,18	1,19	1,07	1,61	1,43	1,31	1,35	1,24	1,28	1,30	1,21	1,16	1,11	1,10	1,12	1,09	1,05
Distribution stage	1,67	1,14	1,56	1,44	1,49	1,31	1,28	1,18	1,19	1,07	1,61	1,43	1,31	1,35	1,24	1,28	1,30	1,21	1,16	1,11	1,10	1,12	1,09	1,05
Installation stage	0,08	0,11	0,11	0,12	0,15	0,18	0,23	0,25	0,26	0,30	0,26	0,29	0,33	0,35	0,38	0,44	0,50	0,53	0,57	0,67	0,81	0,89	1,03	1,19
Use stage	1,04	1,05	0,97	0,99	0,92	0,94	0,91	0,93	1,02	1,03	0,96	0,94	0,95	0,92	0,94	0,90	0,90	0,91	0,93	0,92	0,93	0,98	0,97	0,96
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	1,67	1,13	1,56	1,44	1,49	1,31	1,28	1,18	1,19	1,07	1,61	1,43	1,31	1,35	1,24	1,28	1,29	1,21	1,16	1,11	1,10	1,12	1,09	1,05
Extrapolation coefficient for declared unit	**EWAH220TZXSD1**	**EWAH230TZXSD1**	**EWAH275TZXSD1**	**EWAH300TZXSD1**	**EWAH350TZXSD1**	**EWAH400TZXSD1**	**EWAH470TZXSD1**	**EWAH515TZXSD1**	**EWAH540TZXSD1**	**EWAH620TZXSD1**	**EWAH465TZXSD2**	**EWAH545TZXSD2**	**EWAH600TZXSD2**	**EWAH645TZXSD2**	**EWAH700TZXSD2**	**EWAH750TZXSD2**	**EWAH790TZXSD2**	**EWAH840TZXSD2**	**EWAH900TZXSD2**	**EWAH975TZXSD2**	**EWAHH10TZXSD2**	**EWAHH11TZXSD2**	**EWAHH12TZXSD2**	**EWAHH13TZXSD2**
Manufacturing stage	0,28	0,28	0,32	0,32	0,39	0,39	0,45	0,45	0,48	0,49	0,57	0,59	0,59	0,65	0,65	0,72	0,77	0,77	0,78	0,81	0,90	1,00	1,05	1,09
Distribution stage	0,28	0,28	0,32	0,32	0,39	0,39	0,45	0,45	0,48	0,49	0,57	0,59	0,59	0,65	0,65	0,72	0,77	0,77	0,78	0,81	0,90	1,00	1,05	1,09
Installation stage	0,46	0,46	0,52	0,52	0,59	0,59	0,66	0,66	0,66	0,66	0,72	0,72	0,72	0,72	0,72	0,79	0,85	0,85	0,85	0,92	1,00	1,00	1,08	1,15
Use stage	0,17	0,25	0,20	0,22	0,24	0,28	0,32	0,35	0,41	0,48	0,34	0,38	0,43	0,45	0,49	0,51	0,53	0,58	0,62	0,67	0,75	0,87	0,93	0,99
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	0,28	0,28	0,32	0,32	0,39	0,39	0,45	0,45	0,48	0,49	0,57	0,59	0,59	0,65	0,65	0,72	0,77	0,77	0,78	0,81	0,90	1,00	1,05	1,09

HOMOGENEOUS ENVIRONMENTAL FAMILIES

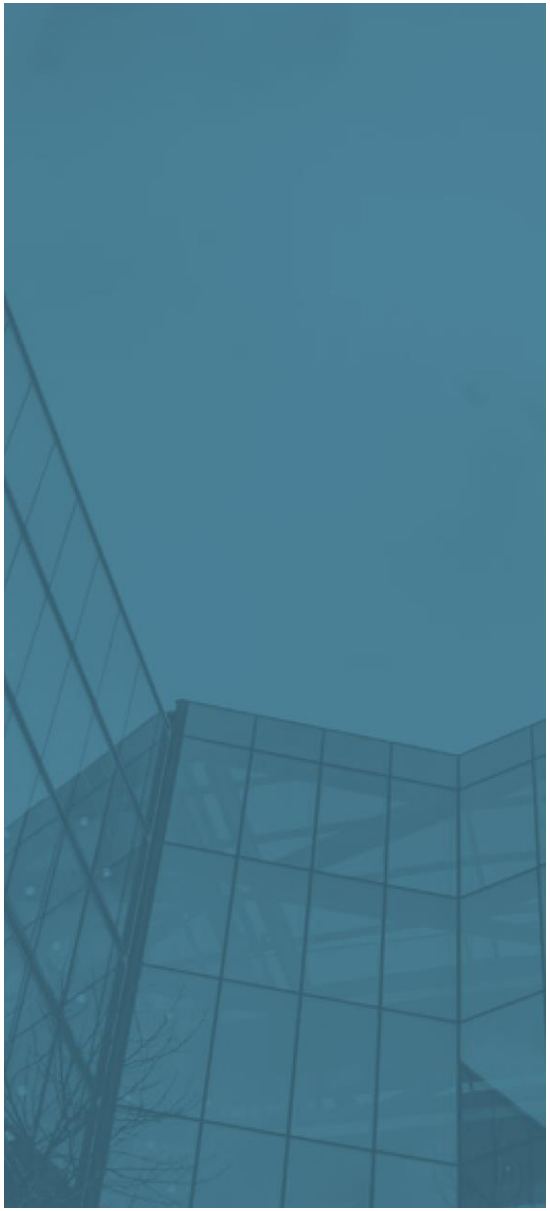
Extrapolation coefficient for functional unit	EWAH220TZXRD1	EWAH230TZXRD1	EWAH275TZXRD1	EWAH300TZXRD1	EWAH350TZXRD1	EWAH400TZXRD1	EWAH470TZXRD1	EWAH515TZXRD1	EWAH540TZXRD1	EWAH620TZXRD1	EWAH465TZXRD2	EWAH545TZXRD2	EWAH600TZXRD2	EWAH645TZXRD2	EWAH700TZXRD2	EWAH750TZXRD2	EWAH790TZXRD2	EWAH840TZXRD2	EWAH900TZXRD2	EWAH975TZXRD2	EWAHH10TZXRD2	EWAHH11TZXRD2	EWAHH12TZXRD2	EWAHH13TZXRD2
Manufacturing stage	1,67	1,58	1,66	1,52	1,56	1,37	1,31	1,21	1,25	1,08	1,70	1,51	1,38	1,42	1,31	1,43	1,35	1,27	1,21	1,17	1,16	1,19	1,16	1,11
Distribution stage	1,67	1,58	1,66	1,52	1,56	1,37	1,31	1,21	1,25	1,08	1,70	1,51	1,38	1,42	1,31	1,43	1,35	1,27	1,21	1,17	1,16	1,19	1,16	1,11
Installation stage	0,07	0,08	0,11	0,12	0,15	0,17	0,23	0,25	0,26	0,30	0,25	0,29	0,32	0,34	0,37	0,44	0,50	0,53	0,56	0,66	0,80	0,88	1,02	1,17
Use stage	1,06	1,07	0,97	0,99	0,93	0,95	0,91	0,94	1,03	1,05	0,95	0,94	0,95	0,92	0,94	0,90	0,89	0,91	0,92	0,92	0,92	0,98	0,97	0,96
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	1,67	1,58	1,65	1,52	1,56	1,37	1,31	1,21	1,25	1,08	1,70	1,51	1,38	1,42	1,31	1,43	1,35	1,27	1,21	1,17	1,16	1,19	1,16	1,11
Extrapolation coefficient for declared unit	**EWAH220TZXRD1**	**EWAH230TZXRD1**	**EWAH275TZXRD1**	**EWAH300TZXRD1**	**EWAH350TZXRD1**	**EWAH400TZXRD1**	**EWAH470TZXRD1**	**EWAH515TZXRD1**	**EWAH540TZXRD1**	**EWAH620TZXRD1**	**EWAH465TZXRD2**	**EWAH545TZXRD2**	**EWAH600TZXRD2**	**EWAH645TZXRD2**	**EWAH700TZXRD2**	**EWAH750TZXRD2**	**EWAH790TZXRD2**	**EWAH840TZXRD2**	**EWAH900TZXRD2**	**EWAH975TZXRD2**	**EWAHH10TZXRD2**	**EWAHH11TZXRD2**	**EWAHH12TZXRD2**	**EWAHH13TZXRD2**
Manufacturing stage	0,27	0,27	0,34	0,34	0,40	0,40	0,45	0,45	0,49	0,49	0,60	0,61	0,62	0,67	0,67	0,80	0,79	0,79	0,81	0,84	0,93	1,05	1,09	1,13
Distribution stage	0,27	0,27	0,34	0,34	0,40	0,40	0,45	0,45	0,49	0,49	0,60	0,61	0,62	0,67	0,67	0,80	0,79	0,79	0,81	0,84	0,93	1,05	1,09	1,13
Installation stage	0,46	0,46	0,52	0,52	0,59	0,59	0,66	0,66	0,66	0,66	0,72	0,72	0,72	0,72	0,72	0,79	0,85	0,85	0,85	0,92	1,00	1,00	1,08	1,15
Use stage	0,17	0,18	0,20	0,22	0,24	0,28	0,32	0,35	0,41	0,48	0,33	0,38	0,42	0,44	0,49	0,50	0,52	0,57	0,61	0,66	0,74	0,86	0,91	0,98
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	0,27	0,27	0,34	0,34	0,40	0,40	0,45	0,45	0,49	0,49	0,59	0,61	0,62	0,67	0,67	0,80	0,79	0,79	0,81	0,84	0,93	1,05	1,09	1,13

HOMOGENEOUS ENVIRONMENTAL FAMILIES

Extrapolation coefficient for functional unit	EWAH225TZPSD1	EWAH265TZPSD1	EWAH295TZPSD1	EWAH340TZPSD1	EWAH395TZPSD1	EWAH435TZPSD1	EWAH490TZPSD1	EWAH545TZPSD1	EWAH500TZPSD2	EWAH540TZPSD2	EWAH615TZPSD2	EWAH645TZPSD2	EWAH700TZPSD2	EWAH770TZPSD2	EWAH845TZPSD2	EWAH900TZPSD2	EWAH960TZPSD2	EWAHC10TZPSD2	EWAHH10TZPSD2	EWAHH11TZPSD2	EWAHC12TZPSD2
Manufacturing stage	2,09	2,31	2,10	2,25	1,93	1,58	1,06	1,69	1,79	1,93	1,72	1,64	1,51	1,56	1,58	1,48	1,54	1,47	1,67	1,39	1,35
Distribution stage	2,09	2,31	2,10	2,25	1,93	1,58	1,06	1,69	1,79	1,93	1,72	1,64	1,51	1,56	1,58	1,48	1,54	1,47	1,67	1,39	1,35
Installation stage	0,09	0,12	0,13	0,17	0,19	0,23	0,46	0,29	0,27	0,32	0,36	0,38	0,41	0,49	0,59	0,62	0,72	0,76	0,87	0,94	1,05
Use stage	0,92	0,90	0,91	0,82	0,85	0,84	0,85	0,94	0,89	0,87	0,84	0,84	0,86	0,86	0,85	0,87	0,87	0,88	0,87	0,92	0,91
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	2,09	2,31	2,10	2,25	1,93	1,57	1,06	1,69	1,79	1,93	1,72	1,64	1,51	1,56	1,58	1,48	1,54	1,47	1,67	1,39	1,35
Extrapolation coefficient for declared unit	**EWAH225TZPSD1**	**EWAH265TZPSD1**	**EWAH295TZPSD1**	**EWAH340TZPSD1**	**EWAH395TZPSD1**	**EWAH435TZPSD1**	**EWAH490TZPSD1**	**EWAH545TZPSD1**	**EWAH500TZPSD2**	**EWAH540TZPSD2**	**EWAH615TZPSD2**	**EWAH645TZPSD2**	**EWAH700TZPSD2**	**EWAH770TZPSD2**	**EWAH845TZPSD2**	**EWAH900TZPSD2**	**EWAH960TZPSD2**	**EWAHC10TZPSD2**	**EWAHH10TZPSD2**	**EWAHH11TZPSD2**	**EWAHC12TZPSD2**
Manufacturing stage	0,36	0,46	0,46	0,57	0,57	0,50	0,68	0,69	0,68	0,78	0,79	0,79	0,79	0,90	1,00	1,00	1,11	1,11	1,34	1,22	1,23
Distribution stage	0,36	0,46	0,46	0,57	0,57	0,50	0,68	0,69	0,68	0,78	0,79	0,79	0,79	0,90	1,00	1,00	1,11	1,11	1,34	1,22	1,23
Installation stage	0,52	0,59	0,59	0,66	0,66	0,72	0,72	0,72	0,72	0,79	0,79	0,79	0,79	0,85	0,92	0,92	1,00	1,00	1,08	1,08	1,15
Use stage	0,16	0,18	0,20	0,21	0,25	0,27	0,54	0,38	0,34	0,35	0,38	0,40	0,45	0,50	0,54	0,59	0,63	0,66	0,70	0,80	0,83
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	0,36	0,46	0,46	0,57	0,57	0,50	0,68	0,69	0,68	0,78	0,79	0,79	0,79	0,90	1,00	1,00	1,11	1,11	1,34	1,22	1,23

HOMOGENEOUS ENVIRONMENTAL FAMILIES

Extrapolation coefficient for functional unit	EWAH225TZPRD1	EWAH265TZPRD1	EWAH295TZPRD1	EWAH340TZPRD1	EWAH395TZPRD1	EWAH435TZPRD1	EWAH490TZPRD1	EWAH545TZPRD1	EWAH500TZPRD2	EWAH540TZPRD2	EWAH615TZPRD2	EWAH645TZPRD2	EWAH700TZPRD2	EWAH770TZPRD2	EWAH845TZPRD2	EWAH900TZPRD2	EWAH960TZPRD2	EWAHC10TZPRD2	EWAHH10TZPRD2	EWAHH11TZPRD2	EWAHC12TZPRD2
Manufacturing stage	1,96	1,89	1,72	1,81	1,55	1,59	1,35	1,31	1,65	1,65	1,75	1,67	1,54	1,41	1,34	1,26	1,30	1,24	1,43	1,12	1,21
Distribution stage	1,96	1,89	1,72	1,81	1,55	1,59	1,35	1,31	1,65	1,65	1,75	1,67	1,54	1,41	1,34	1,26	1,30	1,24	1,43	1,12	1,21
Installation stage	0,09	0,12	0,13	0,16	0,19	0,23	0,26	0,29	0,27	0,31	0,36	0,37	0,41	0,48	0,58	0,62	0,71	0,75	0,86	0,93	1,04
Use stage	0,93	0,91	0,91	0,82	0,87	0,84	0,85	0,94	0,89	0,89	0,88	0,84	0,86	0,86	0,85	0,87	0,86	0,88	0,87	0,92	0,92
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	1,95	1,89	1,71	1,81	1,55	1,58	1,35	1,31	1,65	1,65	1,75	1,67	1,54	1,41	1,34	1,26	1,30	1,24	1,43	1,12	1,21
Extrapolation coefficient for declared unit	**EWAH225TZPRD1**	**EWAH265TZPRD1**	**EWAH295TZPRD1**	**EWAH340TZPRD1**	**EWAH395TZPRD1**	**EWAH435TZPRD1**	**EWAH490TZPRD1**	**EWAH545TZPRD1**	**EWAH500TZPRD2**	**EWAH540TZPRD2**	**EWAH615TZPRD2**	**EWAH645TZPRD2**	**EWAH700TZPRD2**	**EWAH770TZPRD2**	**EWAH845TZPRD2**	**EWAH900TZPRD2**	**EWAH960TZPRD2**	**EWAHC10TZPRD2**	**EWAHH10TZPRD2**	**EWAHH11TZPRD2**	**EWAHC12TZPRD2**
Manufacturing stage	0,33	0,38	0,38	0,45	0,45	0,50	0,49	0,53	0,62	0,66	0,80	0,80	0,80	0,81	0,84	0,84	0,93	0,93	1,13	0,97	1,09
Distribution stage	0,33	0,38	0,38	0,45	0,45	0,50	0,49	0,53	0,62	0,66	0,80	0,80	0,80	0,81	0,84	0,84	0,93	0,93	1,13	0,97	1,09
Installation stage	0,52	0,59	0,59	0,66	0,66	0,72	0,72	0,72	0,72	0,79	0,79	0,79	0,79	0,85	0,92	0,92	1,00	1,00	1,08	1,08	1,15
Use stage	0,16	0,18	0,20	0,20	0,25	0,26	0,31	0,38	0,33	0,36	0,40	0,40	0,45	0,49	0,54	0,58	0,61	0,66	0,69	0,79	0,83
Maintenance stage	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EOL stage	0,33	0,37	0,37	0,45	0,45	0,50	0,49	0,53	0,62	0,66	0,80	0,80	0,80	0,81	0,84	0,84	0,93	0,93	1,13	0,97	1,09



ABOUT THE MANUFACTURER

PEP AUTHOR AND CONTRIBUTORS

Manufacturer	Daikin Applied Europe SpA
PEP author	Daikin Applied Europe SpA
PEP verifier	TUV SUD (VH42)
PEP program operator	PEP ECOPASSPORT®
Background data	This PEP is based on Ecoinvent 3.10 and One Click LCA databases.
LCA software	The LCA and PEP have been created using One Click LCA. The environmental impacts were calculated according to Environmental Footprint 3.1 method.