

MOLDED CASE CIRCUIT BREAKERS - Q LINE ( THQB, THQC, THQL, THHQB, THHQC AND THHC

# PEP ecopassport®

## Product Environmental Profile



Product Environmental Profile - PEP Ecopassport.  
Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"

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# ABB Purpose & Embedding Sustainability

ABB is committed to continually promoting and embedding sustainability across its operations and value chain, aspiring to become a role model for others to follow. With its ABB Purpose, ABB is focusing on reducing harmful emissions, preserving natural resources and championing ethical and humane behavior.

Read more about ABB's sustainability framework and goals here:  
<https://global.abb/group/en/sustainability>



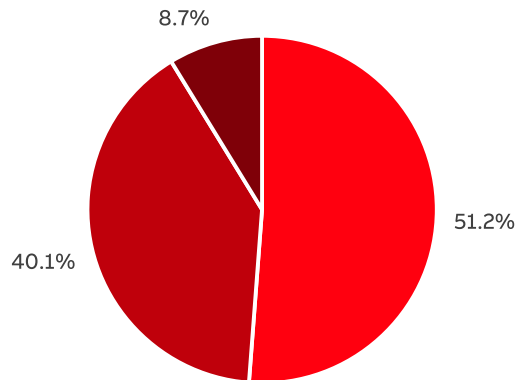
## General Information

<b>Reference product</b>	Catalog description: THQL22050 Plug-in Breaker Product ID: 1TQQ022050X0000 PSR product category: Circuit Breaker
<b>Description of the product</b>	The UL Molded Case Q Line Breaker is designed to protect electrical circuits from overloads and short circuits, ensuring reliability and safety under all operating conditions.
<b>Functional unit</b>	The Q Line Breaker type THQL used in this study is a one-inch wide per pole, thermal-magnetic breaker designed for residential and commercial applications. It protects electrical circuits against overloads and short-circuits with a 240 Vac voltage and 50A current ratings and 20 years lifespan. This breaker has the following parameters: No of poles: 2-pole Rated breaking capacity In: 10kA (AC) Trip Time Curve: GES-9888
<b>Other products covered</b>	The Molded Case Breaker Q Line types THQB, THQC, THQL, THHQB, THHQC, THHQL covered in this EPD, differ on the size (1" per pole), number of poles (2-3 poles), rated current, THQL = 15-100A for 2 and 3-pole, THHQB, THHQC, THHQL = 15-100A for 2 and 3-pole) and trip time curve. In total, the Q Line breaker series covered in this EPD contains 153 unique product catalog number.

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# Constituent Materials



■ Plastics 176.84 g ■ Metals 138.44 g ■ Others 30.12 g

**Total weight of Reference product with packaging**

345.4

g

Plastics as % of weight		Metals as % of weight		Others as % of weight	
Name and CAS number	Weight%	Name and CAS number	Weight%	Name and CAS number	Weight%
Plastics	51.2	Copper	13.3	Cardboard	8.7
-	x	Steel	25.9	-	x
-	x	Others	0.8	-	x

RoHS and REACH compatibility and other information about the products materials (i.e. halogen free, recyclability)

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## Additional Environmental Information

<b>Manufacturing</b>	This product line is manufactured in ABB's net-zero Belo Horizonte, Brazil plant. This site is certified according to ISO 9001 and is part of ABB's Mission to Zero™ program.
<b>Distribution</b>	Distribution scenario has been modelled considering ABB average market for the product. Q Line delivery scenario includes truck, train and ship transportaiton scenarios.
<b>Installation</b>	The installation of the breakers in the load centers is performed manually, therefore causing no negative environmental impacts aside from the disposal or recycling of product packaging.
<b>Use</b>	No consumables and maintenance.
<b>End of life</b>	Due to lack of data around customer disposal methodology, landfill disposal is the assumed standard scenario.
<b>Benefits and loads beyond the system boundaries</b>	Not considered or evaluated.

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# Environmental Impacts

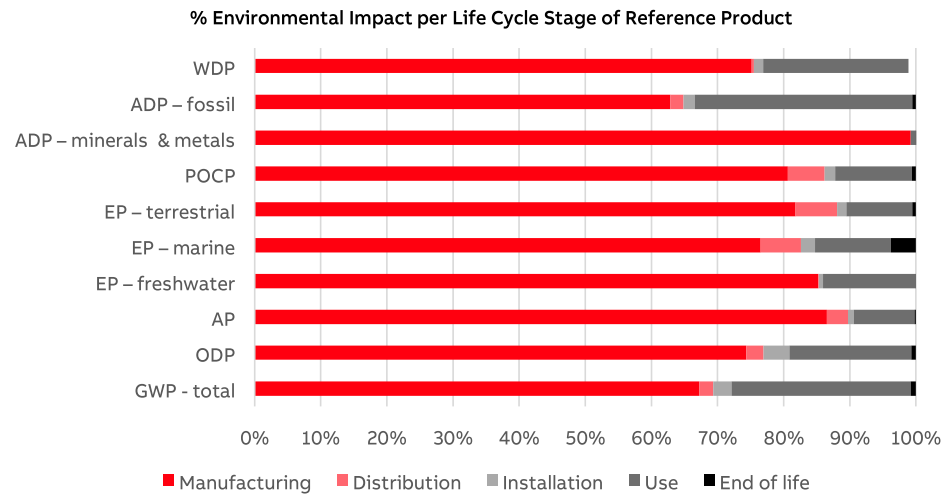
Reference lifetime	20 years
Product category	Circuit breakers
Installation elements	No special installation elements required.
Use scenario	Load time: 15% of rated current. Use time rate: 30% of reference lifetime.
Geographical representativeness	Country Mix: United States of America, Canada, Mexico, Puerto Rico, El Salvador, Panama, Ecuador, Dominican Republic, Ecuador, Guatemala, Global
Technological representativeness	Represents the Molded Case Q Line Circuit Breaker types THQB, THQC, THQL, THHQB, THHQC, THHQL.
Software and database used	SimaPro 9.6 with ecoinvent database 3.10

## Energy model used

Manufacturing	Electricity, high voltage {RoW}  electricity production, hydro, pumped storage   Cut-off, S
Installation	-
Use	Electricity, low voltage {Country Mix}  market for electricity, low voltage   Cut-off, S
End of life	-

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## Common base of mandatory indicators



### Environmental impact indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
<b>GWP-total</b>	<b>kg CO<sub>2</sub> eq.</b>	7.00E+00	4.71E+00	1.51E-01	1.91E-01	1.90E+00	5.45E-02
<b>GWP-fossil</b>	<b>kg CO<sub>2</sub> eq.</b>	6.83E+00	4.62E+00	1.51E-01	1.32E-01	1.88E+00	5.19E-02
<b>GWP-biogenic</b>	<b>kg CO<sub>2</sub> eq.</b>	1.21E-01	5.27E-02	-1.88E-05	5.69E-02	8.82E-03	2.55E-03
<b>GWP-luluc</b>	<b>kg CO<sub>2</sub> eq.</b>	4.62E-02	3.80E-02	7.09E-05	1.94E-03	6.18E-03	1.89E-05
GWP-fossil = Global Warming Potential fossil fuels GWP-biogenic = Global Warming Potential biogenic GWP-luluc = Global Warming Potential land use and land use change							
<b>ODP</b>	<b>kg CFC-11 eq.</b>	8.52E-08	6.33E-08	2.23E-09	3.35E-09	1.57E-08	6.07E-10
ODP = Depletion potential of the stratospheric ozone layer							
<b>AP</b>	<b>H+ eq.</b>	8.15E-02	7.05E-02	2.59E-03	7.11E-04	7.51E-03	1.65E-04
AP = Acidification potential, Accumulated Exceedance							
<b>EP-freshwater</b>	<b>kg P eq.</b>	7.84E-03	6.68E-03	8.47E-06	4.68E-05	1.10E-03	3.30E-06
<b>EP-marine</b>	<b>kg N eq.</b>	1.13E-02	8.62E-03	6.88E-04	2.39E-04	1.29E-03	4.30E-04
<b>EP-terrestrial</b>	<b>mol N eq.</b>	1.21E-01	9.91E-02	7.61E-03	1.72E-03	1.21E-02	6.55E-04
EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment EP-terrestrial = Eutrophication potential, Accumulated Exceedance							
<b>POCP</b>	<b>kg NMVOC eq.</b>	3.88E-02	3.13E-02	2.17E-03	6.12E-04	4.51E-03	2.41E-04
POCP = Formation potential of tropospheric ozone							
<b>ADP-minerals &amp; metals</b>	<b>kg Sb eq.</b>	2.04E-03	2.02E-03	2.73E-07	3.88E-07	1.60E-05	1.02E-07
<b>ADP-fossil</b>	<b>MJ</b>	1.01E+02	6.34E+01	2.00E+00	1.72E+00	3.32E+01	5.63E-01
ADP-minerals & metals = Abiotic depletion potential for non-fossil resources ADP-fossil = Abiotic depletion for fossil resources potential							
<b>WDP</b>	<b>m<sup>3</sup> eq. depr.</b>	2.20E+00	1.69E+00	7.70E-03	3.15E-02	4.94E-01	-2.56E-02
WDP = Water Deprivation potential							

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## Common base of mandatory indicators

### Inventory flows indicator – Resource use indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
PERE	MJ	1.60E+01	7.84E+00	2.21E-02	1.27E+00	6.82E+00	7.63E-03
PERM	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	1.60E+01	7.84E+00	2.21E-02	1.27E+00	6.82E+00	7.63E-03
PENRE	MJ	1.08E+02	6.79E+01	2.13E+00	1.85E+00	3.52E+01	5.99E-01
PENRM	MJ	1.59E-03	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	1.08E+02	6.79E+01	2.13E+00	1.85E+00	3.52E+01	5.99E-01

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials  
 PERM = Use of renewable primary energy resources used as raw materials  
 PERT = Total Use of renewable primary energy resources  
 PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials  
 PENRM = Use of non-renewable primary energy resources used as raw materials  
 PENRT = Total Use of non-renewable primary energy resources

### Inventory flows indicator – Indicators describing the use of secondary materials, water, and energy resources

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
SM	kg	3.01E-02	3.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	5.00E-02	5.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m <sup>3</sup>	2.95E-06	2.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00

SM = Use of secondary material  
 RSF = Use of renewable secondary fuels  
 NRSF = Use of non-renewable secondary fuels  
 FW = Use of net fresh water

### Inventory flows indicator – Waste category indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
Hazardous waste disposed	kg	6.22E-04	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non- hazardous waste disposed	kg	2.76E-01	6.88E-02	0.00E+00	3.01E-02	0.00E+00	1.77E-01
Radioactive waste disposed	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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## Common base of mandatory indicators

### Inventory flows indicator – Output flow indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	2.00E-01	3.19E-02	0.00E+00	3.01E-02	0.00E+00	1.38E-01
Materials for energy recovery	kg	2.46E-01	6.94E-02	0.00E+00	0.00E+00	0.00E+00	1.77E-01
Exported energy	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

### Inventory flow indicator – other indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
Biogenic carbon content of the product	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	kg of C	0.00E+00	2.83E-02	0.00E+00	-2.83E-02	0.00E+00	0.00E+00

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## Optional indicators

### Environmental indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	
Total use of primary energy during the life cycle	MJ	1.75E+01	2.60E+00	0.00E+00	0.00E+00	1.49E+01	0.00E+00	
Emissions of fine particles	incidence of diseases	4.35E-07	3.65E-07	9.88E-09	1.48E-08	4.09E-08	4.01E-09	
Ionizing radiation, human health	kBq U235 eq.	1.05E+00	3.46E-01	1.42E-03	9.23E-03	6.88E-01	5.10E-04	
Ecotoxicity (fresh water)	CTUe	3.36E+02	3.18E+02	8.68E-01	4.16E+00	1.13E+01	1.55E+00	
Human toxicity, carcinogenic effects	CTUh	5.98E-08	5.52E-08	7.27E-10	3.24E-10	3.34E-09	1.99E-10	
Human toxicity, non-carcinogenic effects	incidence of diseases	5.40E-07	5.15E-07	8.95E-10	3.29E-09	1.96E-08	7.42E-10	
Impact related to land use/soil quality		4.99E+01	3.74E+01	1.11E+00	5.08E+00	5.71E+00	6.27E-01	0.00E+00

### Other indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life
No Other indicators used							

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## Extrapolation Factors

For other products than the Reference product covered by this PEP, the environmental impacts for each phase of the lifecycle are obtained by multiplying the values of the Reference product by the following coefficients:

\* if the coefficient is "1", the impacts of the phase of the life cycle are assimilated to the Reference product, meaning that the impacts are unchanged in comparison to the Reference product

Product name	Manu- facturing	Distri- bution	Installation	Use	End of life
THQL22015	0.99	0.99	1.00	0.45	0.99
THQL22020	1.00	1.00	1.00	0.52	1.00
THQL22025	1.00	1.00	1.00	0.83	0.00
THQL22030	1.00	1.00	1.00	1.09	1.00
THQL22035	1.00	1.00	1.00	1.03	1.00
THQL22040	1.00	1.00	1.00	0.98	1.00
THQL22045	1.00	1.00	1.00	1.32	1.00
THQL22050	1.00	1.00	1.00	1.00	1.00
THQL22060	1.00	1.00	1.00	1.72	1.00
THQL22070	0.94	0.94	1.00	4.23	0.93
THQL22080	0.94	0.94	1.00	1.88	0.93
THQL22090	0.99	0.99	1.00	2.50	0.99
THQL22100	0.99	0.99	1.00	3.45	0.99
THQL32015	1.51	1.51	1.58	0.46	1.50
THQL32020	1.52	1.52	1.58	0.50	1.51
THQL32025	1.52	1.52	1.58	0.83	1.51
THQL32030	1.52	1.52	1.58	0.70	1.52
THQL32035	1.52	1.52	1.58	1.03	1.52
THQL32040	1.52	1.52	1.58	0.98	1.52
THQL32045	1.52	1.52	1.58	1.32	1.52
THQL32050	1.52	1.52	1.58	1.00	1.51
THQL32060	1.52	1.52	1.58	1.72	1.52
THQL32070	1.43	1.43	1.58	1.85	1.41
THQL32080	1.43	1.43	1.58	1.88	1.41
THQL32090	1.50	1.50	1.58	2.50	1.49
THQL32100	1.50	1.50	1.58	3.45	1.49
THQB22015	1.04	1.04	0.95	0.46	1.05
THQB22020	1.04	1.04	0.95	0.58	1.04
THQB22025	1.04	1.04	0.95	0.78	1.04
THQB22030	1.04	1.04	0.95	0.67	1.05
THQB22035	1.04	1.04	0.95	0.93	1.05
THQB22040	1.04	1.04	0.95	1.22	1.05
THQB22045	1.04	1.04	0.95	1.25	1.05
THQB22050	1.04	1.04	0.95	1.12	1.05
THQB22060	1.04	1.04	0.95	1.30	1.05
THQB22070	0.98	0.98	0.95	1.75	0.98

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## Extrapolation Factors

Product name	Manu- facturing	Distri- bution	Installation	Use	End of life
THQB22080	0.98	0.98	0.95	1.81	0.98
THQB22090	1.03	1.03	0.95	2.05	1.03
THQB22100	1.03	1.03	0.95	2.52	1.03
THQB32015	1.58	1.58	1.42	0.47	1.59
THQB32020	1.59	1.59	1.42	0.58	1.60
THQB32025	1.59	1.59	1.42	0.79	1.60
THQB32030	1.59	1.59	1.42	0.67	1.61
THQB32035	1.59	1.59	1.42	0.92	1.61
THQB32040	1.59	1.59	1.42	1.22	1.61
THQB32045	1.59	1.59	1.42	1.25	1.61
THQB32050	1.59	1.59	1.42	1.09	1.61
THQB32060	1.59	1.59	1.42	1.37	1.61
THQB32070	1.50	1.50	1.42	1.75	1.51
THQB32080	1.53	1.53	1.42	1.81	1.54
THQB32090	1.57	1.57	1.42	2.05	1.59
THQB32100	1.57	1.57	1.42	2.52	1.59
THQC22015WL	1.16	1.16	1.00	0.47	1.17
THQC22020WL	1.16	1.16	1.00	0.50	1.18
THQC22025WL	1.16	1.16	1.00	0.61	1.18
THQC22030WL	1.17	1.17	1.00	0.66	1.18
THQC22035WL	1.17	1.17	1.00	0.91	1.18
THQC22040WL	1.17	1.17	1.00	0.93	1.18
THQC22050WL	1.16	1.16	1.00	0.95	1.18
THQC22060WL	1.17	1.17	1.00	1.30	1.18
THQC22070WL	1.07	1.07	1.00	1.40	1.08
THQC22080WL	1.08	1.08	1.00	2.65	1.08
THQC22090WL	1.12	1.12	1.00	2.23	1.13
THQC22100WL	1.12	1.12	1.00	2.29	1.13
THQC32015WL	1.75	1.75	1.58	0.47	1.77
THQC32020WL	1.76	1.76	1.58	0.50	1.78
THQC32025WL	1.76	1.76	1.58	0.61	1.78
THQC32030WL	1.77	1.77	1.58	0.66	1.79
THQC32035WL	1.77	1.77	1.58	0.91	1.79
THQC32040WL	1.77	1.77	1.58	0.93	1.79
THQC32045WL	1.77	1.77	1.58	1.28	1.79
THQC32050WL	1.77	1.77	1.58	1.01	1.78
THQC32060WL	1.77	1.77	1.58	1.19	1.79
THQC32070WL	1.63	1.63	1.58	1.40	1.63
THQC32080WL	1.63	1.63	1.58	2.17	1.64
THQC32090WL	1.70	1.70	1.58	2.23	1.71
THQC32100WL	1.70	1.70	1.58	2.29	1.71

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## Extrapolation Factors

Product name	Manu- facturing	Distri- bution	Installation	Use	End of life
THHQL22015	1.01	1.01	1.00	0.45	1.01
THHQL22020	1.01	1.01	1.00	0.52	1.01
THHQL22025	1.01	1.01	1.00	0.83	1.01
THHQL22030	1.02	1.02	1.00	1.09	1.02
THHQL22035	1.02	1.02	1.00	1.03	1.02
THHQL22040	1.02	1.02	1.00	0.98	1.02
THHQL22045	1.02	1.02	1.00	1.32	1.02
THHQL22050	1.02	1.02	1.00	1.00	1.02
THHQL22060	1.02	1.02	1.00	1.72	1.02
THHQL22070	1.00	1.00	1.00	4.23	1.00
THHQL22080	1.00	1.00	1.00	1.88	1.00
THHQL22090	1.00	1.00	1.00	2.50	1.00
THHQL22100	1.00	1.00	1.00	3.45	1.00
THHQL32015	1.53	1.53	1.58	0.46	1.53
THHQL32020	1.54	1.54	1.58	0.50	1.54
THHQL32025	1.54	1.54	1.58	0.83	1.54
THHQL32030	1.54	1.54	1.58	0.70	1.54
THHQL32035	1.54	1.54	1.58	1.03	1.54
THHQL32040	1.54	1.54	1.58	0.98	1.54
THHQL32045	1.54	1.54	1.58	1.32	1.54
THHQL32050	1.55	1.55	1.58	1.00	1.54
THHQL32060	1.55	1.55	1.58	1.72	1.55
THHQL32070	1.53	1.53	1.58	1.85	1.52
THHQL32080	1.53	1.53	1.58	1.88	1.52
THHQL32090	1.52	1.52	1.58	2.50	1.52
THHQL32100	1.52	1.52	1.58	3.45	1.52
THHQB22015	1.08	1.08	0.95	0.46	1.09
THHQB22020	1.08	1.08	0.95	0.58	1.10
THHQB22025	1.08	1.08	0.95	0.78	1.10
THHQB22030	1.09	1.09	0.95	0.67	1.10
THHQB22035	1.09	1.09	0.95	0.93	1.10
THHQB22040	1.09	1.09	0.95	1.22	1.10
THHQB22045	1.09	1.09	0.95	1.25	1.10
THHQB22050	1.09	1.09	0.95	1.12	1.10
THHQB22060	1.09	1.09	0.95	1.30	1.10
THHQB22070	1.07	1.07	0.95	1.75	1.09
THHQB22080	1.07	1.07	0.95	1.81	1.09
THHQB22090	1.07	1.07	0.95	2.05	1.09
THHQB22100	1.07	1.07	0.95	2.52	1.09
THHQB32015	1.60	1.60	1.42	0.47	1.62
THHQB32020	1.71	1.71	1.42	0.58	1.74

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## Extrapolation Factors

Product name	Manu- facturing	Distri- bution	Installation	Use	End of life
THHQB32025	1.60	1.60	1.42	0.79	1.62
THHQB32030	1.71	1.71	1.42	0.67	1.74
THHQB32035	1.71	1.71	1.42	0.92	1.74
THHQB32040	1.96	1.96	1.42	1.22	2.01
THHQB32045	1.90	1.90	1.42	1.25	1.95
THHQB32050	1.82	1.82	1.42	1.09	1.85
THHQB32060	1.98	1.98	1.42	1.37	2.04
THHQB32070	1.85	1.85	1.42	1.75	1.89
THHQB32080	1.79	1.79	1.42	1.81	1.82
THHQB32090	1.84	1.84	1.42	2.05	1.88
THHQB32100	2.05	2.05	1.42	2.52	2.10
THHQC22015WL	1.14	1.14	1.00	0.47	1.15
THHQC22020WL	1.16	1.16	1.00	0.50	1.17
THHQC22025WL	1.16	1.16	1.00	0.62	1.17
THHQC22030WL	1.16	1.16	1.00	0.66	1.18
THHQC22035WL	1.16	1.16	1.00	0.91	1.18
THHQC22040WL	1.16	1.16	1.00	0.93	1.18
THHQC22050WL	1.16	1.16	1.00	0.95	1.18
THHQC22060WL	1.16	1.16	1.00	1.30	1.18
THHQC22070WL	1.12	1.12	1.00	1.40	1.13
THHQC22080WL	1.12	1.12	1.00	2.65	1.13
THHQC22100WL	1.12	1.12	1.00	2.29	1.13
THHQC32015WL	1.73	1.73	1.58	0.47	1.74
THHQC32020WL	1.76	1.76	1.58	0.50	1.77
THHQC32025WL	1.76	1.76	1.58	0.62	1.77
THHQC32030WL	1.76	1.76	1.58	0.66	1.78
THHQC32035WL	1.76	1.76	1.58	0.91	1.78
THHQC32040WL	1.76	1.76	1.58	0.93	1.78
THHQC32045WL	1.76	1.76	1.58	1.28	1.78
THHQC32050WL	1.76	1.76	1.58	1.01	1.78
THHQC32060WL	1.77	1.77	1.58	1.19	1.78
THHQC32070WL	1.70	1.70	1.58	1.40	1.71
THHQC32080WL	1.70	1.70	1.58	2.17	1.71
THHQC32090WL	1.69	1.69	1.58	2.23	1.71
THHQC32100WL	1.69	1.69	1.58	2.29	1.71

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## Environmental Impact Indicator Glossary


### Impact indicators

Indicator	Description	Distribution
Global warming potential (GWP) - total	Indicator of potential global warming caused by emissions to air contributing to the greenhouse effect. The total global warming potential (GWP-total) is the sum of three sub-categories of climate change. GWP-total = GWP-fossil + GWP-biogenic + GWP- land use and land use change	kg CO <sub>2</sub> eq.
Ozone depletion (ODP)	Emissions to air that contribute to the destruction of the stratospheric ozone layer	kg CFC-11 eq.
Acidification of soil and water (A)	Acidification of soils and water caused by the release of certain gases to the atmosphere, such as nitrogen oxides and sulphur oxides	H+ eq.
Eutrophication (E)	Indicator of the contribution to eutrophication of water by the enrichment of the aquatic ecosystem with nutritional elements, e.g. industrial or domestic effluents, agriculture, etc. This indicator is divided to three: freshwater, marine and terrestrial.	kg P eq., kg N eq., mole N eq.
Photochemical ozone creation (POCP)	Indicator of emissions of gases that affect the creation of photochemical ozone in the lower atmosphere (smog) because of the rays of the sun.	kg NMVOC eq.
Depletion of abiotic resources – elements (ADPe)	Indicator of the depletion of natural non-fossil resources	kg Sb eq.
Depletion of abiotic resources – fossil fuels (ADPf)	The use of non-renewable fossil resources in an unsustainable way (e.g. from material to waste)	MJ (lower heating value)
Water Deprivation potential (WDP)	Deprivation-weighted water consumption. Assesses the potential of water deprivation, to either humans or ecosystems, building on the assumption that the less water remaining available per area, the more likely another user will be deprived.	m <sup>3</sup> eq. depr.

### Resource use indicators

Indicator	Description	Distribution
Total use of primary energy	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) + Total use of renewable primary energy re-sources (primary energy and primary energy resources used as raw materials)	MJ (lower heating value)

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Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"	
	

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