



Environmental Product Declaration - (EPD)
Venkon

Model size	67
Installation site	Wall-mounted
System	4-pipe
Water connections	left
Filter class	Filter ePM1>50% (F7)
Control option	KaControl MC1, external control box



The EPD data presented here is based on a verified EPD from the program holder EPD International AB. The data contained therein has been converted to the above-mentioned article number. (Verified EPD: EPD-IES-0008928)

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Fan Coils - Venkon

Item number: 14861WUL477EM1E



Basic data

impact category	unit	A1	A2	A3	A1-A3	A4	A5	B2	B3	B4	B6	C1	C2	C3	C4	D
GWP - Total	kg CO2 eq	3.02E+02	7.30E+00	-2.06E+00	3.07E+02	6.79E+00	5.73E-01	5.63E-02	0.00E+00	3.77E+00	8.31E+01	0.00E+00	2.41E-01	1.23E+01	9.59E-02	-1.25E+02
GWP - fossil	kg CO2 eq	2.94E+02	7.29E+00	4.31E+00	3.05E+02	6.78E+00	5.70E-01	5.90E-02	0.00E+00	3.75E+00	7.52E+01	0.00E+00	2.41E-01	1.22E+01	8.91E-02	-1.23E+02
GWP - Biogenic	kg CO2 eq	5.81E+00	5.63E-03	-6.41E+00	-5.99E-01	2.61E-03	2.91E-03	-5.07E-03	0.00E+00	1.39E-02	7.78E+00	0.00E+00	1.92E-04	1.14E-01	6.71E-03	-2.77E-01
GWP - Luluc	kg CO2 eq	2.26E+00	3.43E-03	4.07E-02	2.31E+00	1.46E-03	3.92E-04	2.40E-03	0.00E+00	1.01E-02	1.25E-01	0.00E+00	1.17E-04	3.54E-05	4.15E-05	-1.51E+00
ODP	kg CFC-11 eq	5.89E-06	1.63E-07	8.29E-08	6.14E-06	1.21E-07	5.71E-09	2.95E-09	0.00E+00	5.90E-08	6.92E-07	0.00E+00	5.47E-09	7.57E-09	2.49E-09	-3.34E-06
AP	mol H+ eq	3.39E+00	1.87E-02	1.67E-02	3.43E+00	2.81E-02	2.39E-03	2.87E-04	0.00E+00	7.96E-02	1.64E-01	0.00E+00	5.96E-04	1.63E-03	6.24E-04	-1.96E+00
EP - fresh water	kg P eq	2.75E-01	5.20E-04	4.23E-03	2.80E-01	2.31E-04	1.79E-04	5.19E-05	0.00E+00	6.22E-03	1.09E-01	0.00E+00	1.78E-05	2.03E-05	9.27E-06	-1.62E-01
EP - marine	kg P eq	3.53E-01	5.30E-03	7.80E-03	3.66E-01	1.07E-02	5.43E-04	8.65E-05	0.00E+00	6.22E-03	5.38E-02	0.00E+00	1.62E-04	8.06E-04	2.44E-04	-1.59E-01
EP - country	mol N eq	3.84E+00	5.47E-02	5.17E-02	3.95E+00	1.14E-01	4.99E-03	6.22E-04	0.00E+00	7.37E-02	3.90E-01	0.00E+00	1.67E-03	8.51E-03	2.64E-03	-1.83E+00
POCP	kg NMVOC	1.38E+00	3.02E-02	1.64E-02	1.43E+00	3.93E-02	2.11E-03	1.75E-04	0.00E+00	2.33E-02	1.08E-01	0.00E+00	9.73E-04	2.30E-03	9.33E-04	-6.94E-01
ADPE	kg Sb eq	3.35E+01	1.96E-05	1.19E-05	3.35E+01	7.05E-06	2.24E-06	4.01E-07	0.00E+00	9.45E-04	1.26E-04	0.00E+00	6.73E-07	2.15E-07	2.54E-07	-1.86E-02
ADPF	MJ	3.92E+03	1.10E+02	6.59E+01	4.09E+03	9.39E+01	1.20E+01	9.38E-01	0.00E+00	6.53E+01	1.14E+03	0.00E+00	3.65E+00	6.94E-01	2.07E+00	-1.66E+03
WDP	m³ depriv.	5.78E+01	5.13E-01	1.09E+00	5.94E+01	2.58E-01	2.87E-01	3.53E-02	0.00E+00	1.70E+00	2.78E+00	0.00E+00	1.74E-02	3.01E-02	5.79E-02	-2.71E+01
GWP-GHG	kg CO2 eq	2.99E+02	4.53E+00	6.80E+00	3.10E+02	6.80E+00	5.73E-01	6.19E-02	0.00E+00	3.78E+00	7.64E+01	0.00E+00	2.41E-01	1.22E+01	8.96E-02	-1.25E+02
PM	disease inc.	2.39E-05	6.94E-07	2.84E-07	2.49E-05	2.55E-07	4.37E-08	2.69E-09	0.00E+00	3.09E-07	7.30E-07	0.00E+00	2.38E-08	1.31E-08	1.36E-08	-1.03E-05
IR	kBq U-235 eq	3.69E+01	1.35E-01	7.81E-01	3.78E+01	6.30E-02	2.82E-02	8.88E-03	0.00E+00	3.42E-01	1.81E+01	0.00E+00	4.61E-03	2.80E-03	8.38E-03	-1.90E+01
HTP - C	CTUh	1.11E-06	3.14E-09	1.95E-09	1.12E-06	1.45E-09	5.51E-09	3.27E-11	0.00E+00	1.93E-08	1.63E-08	0.00E+00	1.07E-10	1.67E-09	1.89E-08	-6.01E-07
HTP - NC	CTUh	3.11E-05	7.90E-08	3.63E-08	3.12E-05	7.26E-08	2.58E-08	7.49E-10	0.00E+00	9.51E-07	5.02E-07	0.00E+00	2.61E-09	1.07E-08	1.29E-06	-2.09E-05
SQP	-	1.44E+03	1.08E+02	7.68E+02	2.32E+03	3.68E+01	1.24E+00	4.95E-01	0.00E+00	2.93E+01	1.62E+02	0.00E+00	3.71E+00	2.48E-01	4.46E+00	-5.89E+02

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Resource use

impact category	unit	A1	A2	A3	A1-A3	A4	A5	B2	B3	B4	B6	C1	C2	C3	C4	D
PERE	MJ	8.17E+02	1.57E+00	1.50E+02	9.68E+02	7.07E-01	3.94E-01	2.73E-01	0.00E+00	5.99E+00	2.29E+02	0.00E+00	5.34E-02	4.08E-02	1.71E-01	-4.53E+02
PERM	MJ	7.88E-01	0.00E+00	0.00E+00	7.88E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	8.18E+02	1.57E+00	1.50E+02	9.69E+02	7.07E-01	3.94E-01	2.73E-01	0.00E+00	5.99E+00	2.29E+02	0.00E+00	5.34E-02	4.08E-02	1.71E-01	-4.53E+02
PENRE	MJ	3.94E+03	1.10E+02	6.59E+01	4.12E+03	9.39E+01	1.20E+01	9.43E-01	0.00E+00	6.53E+01	1.14E+03	0.00E+00	3.65E+00	6.94E-01	2.07E+00	-1.66E+03
PENRM	MJ	6.86E+00	0.00E+00	0.00E+00	6.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	3.95E+03	1.10E+02	6.59E+01	4.13E+03	9.39E+01	1.20E+01	9.43E-01	0.00E+00	6.53E+01	1.14E+03	0.00E+00	3.65E+00	6.94E-01	2.07E+00	-1.66E+03
SM	kg	3.58E-01	0.00E+00	0.00E+00	3.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	2.94E+00	2.14E-02	7.40E-02	3.04E+00	1.12E-02	1.40E-02	2.78E-03	0.00E+00	7.11E-02	4.34E-01	0.00E+00	7.26E-04	5.70E-03	2.30E-02	-9.42E-01

Waste & Output Flows

impact category	unit	A1	A2	A3	A1-A3	A4	A5	B2	B3	B4	B6	C1	C2	C3	C4	D
HWD	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	0.00E+00	0.00E+00	1.02E+01	1.02E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RWD	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CRU	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+01	0.00E+00	0.00E+00
MER	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E+00	0.00E+00	0.00E+00
EE (Electrical)	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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impact category	unit	A1	A2	A3	A1-A3	A4	A5	B2	B3	B4	B6	C1	C2	C3	C4	D
EE (Thermal)	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Restriction Notice

Restriction Notice 1	IR	This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.
Restriction Notice 2	ADPE, ADPF, WDP, ETP - FW, HTP - C, HTP - NC, SQP	The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.
Restriction Notice 3	GWP-GHG	The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus equal to the GWP indicator originally defined in EN 15804:2012+A1:2013



List of terms

GWP - Total	Climate change - total	NRSF	Non-renewable secondary fuels
GWP - fossil	Climate change - fossil	FW	Net use of fresh water
GWP - Biogenic	Climate change - biogenic	HWD	Hazardous waste disposed
GWP - Luluc	Climate change - land use and land use change	NHWD	Non-hazardous waste disposed
ODP	Ozone Depletion	RWD	Radioactive waste disposed
AP	Acidification	CRU	Components for reuse
EP - fresh water	Eutrophication aquatic freshwater	MFR	Material for recycling
EP - marine	Eutrophication aquatic marine	MER	Materials for energy recovery
EP - country	Eutrophication terrestrial	EE (Electrical)	Exported energy electrical
POCP	Photochemical ozone formation	EE (Thermal)	Exported energy thermal
ADPE	Depletion of abiotic resources - minerals and metals	A1	Raw Material Supply
ADPF	Abiotic resource depletion - fossil fuels	A2	Raw Material Transport
WDP	Water use	A3	Manufacturing
GWP-GHG	Global Warming Potential total excl. biogenic carbon following IPCC AR5 methodology	A1-A3	A1-A3
PM	Particulate Matter emissions	A4	Transport to Site
IR	Ionizing radiation, human health	A5	Installation
HTP - C	Human toxicity, cancer effects	B2	Maintenance
HTP - NC	Human toxicity, non-cancer effects	B3	Repair
SQP	Land use related impacts/Soil quality	B4	Replacement
PERE	Use of renewable primary energy excluding resources used as raw materials	B6	Operational Energy Use
PERM	Use of renewable primary energy resources used as raw materials	C1	Deconstruction / Demolition
PERT	Total use of renewable primary energy	C2	Transport
PENRE	Use of non-renewable primary energy excluding resources used as raw materials	C3	Waste Processing
PENRM	Use of non-renewable primary energy resources used as raw materials	C4	Disposal
PENRT	Total use of non-renewable primary energy	D	Future reuse, recycling orenergy recovery potentials
SM	Secondary material		
RSF	Renewable secondary fuels		

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