

Product Environmental Profile

FAN CEILING EXHAUST 250MM





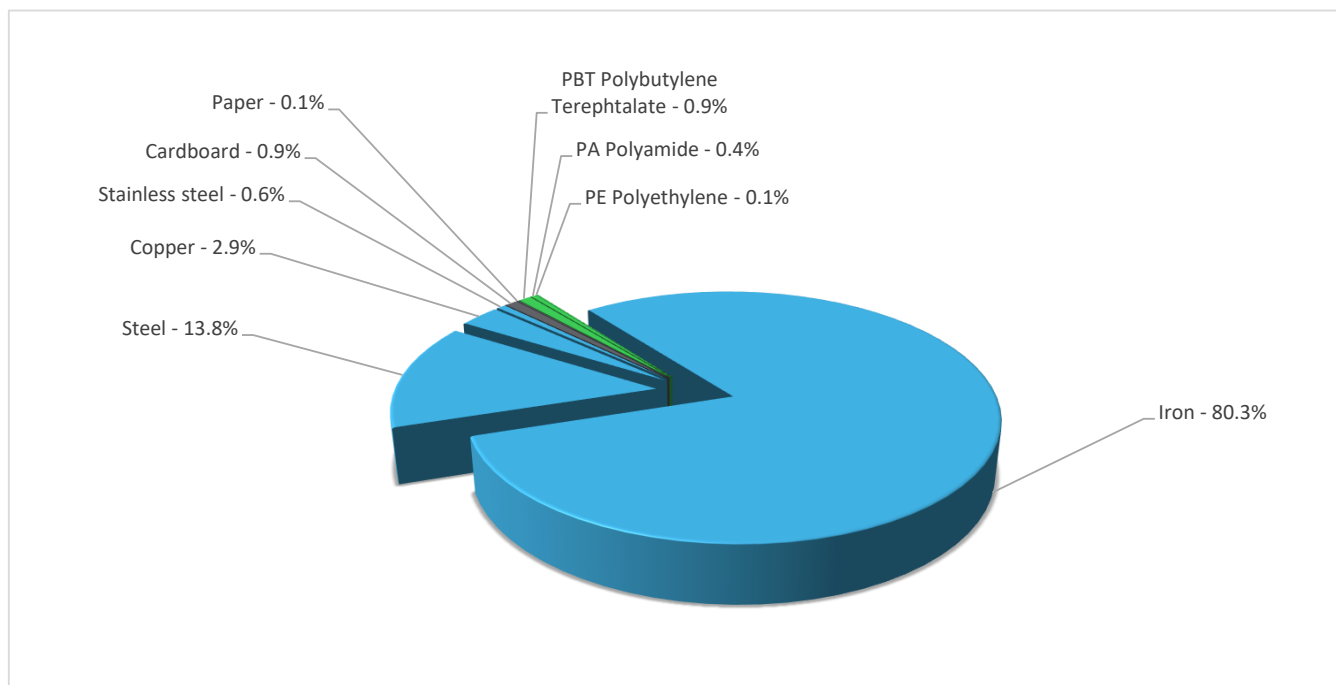
General information

Representative product	FAN CEILING EXHAUST 250MM - CE250
Description of the product	The main purpose of the Clipsal Ceiling Exhaust Fan, Axial, 250mm is designed to fit discreetly into cavity type ceilings.
Functional unit	To transfer 1 m3 of air per hour for the ventilation of a building over the reference lifetime of 17 years, comply with IEC 60335-2-80. -Rated operational voltage 240V -Rated current 0.32A



Constituent materials

Reference product mass	3332.23 g including the product, its packaging and additional elements and accessories
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Plastics	1.4%
Metals	97.6%
Others	1.0%



Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 2 January 2013, amended in March 2015, 2015/863/EU and in November 2017, 2017/2102/EU) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers – PBDE), Bis (2-ethylhexyl)phthalate - DEHP, Benzyl butyl phthalate– BBP, Dibutyl phthalate - DBP, Diisobutyl phthalate - DIBP) as mentioned in the Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

<http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page>



Additional environmental information

The FAN CEILING EXHAUST 250MM presents the following relevant environmental aspects

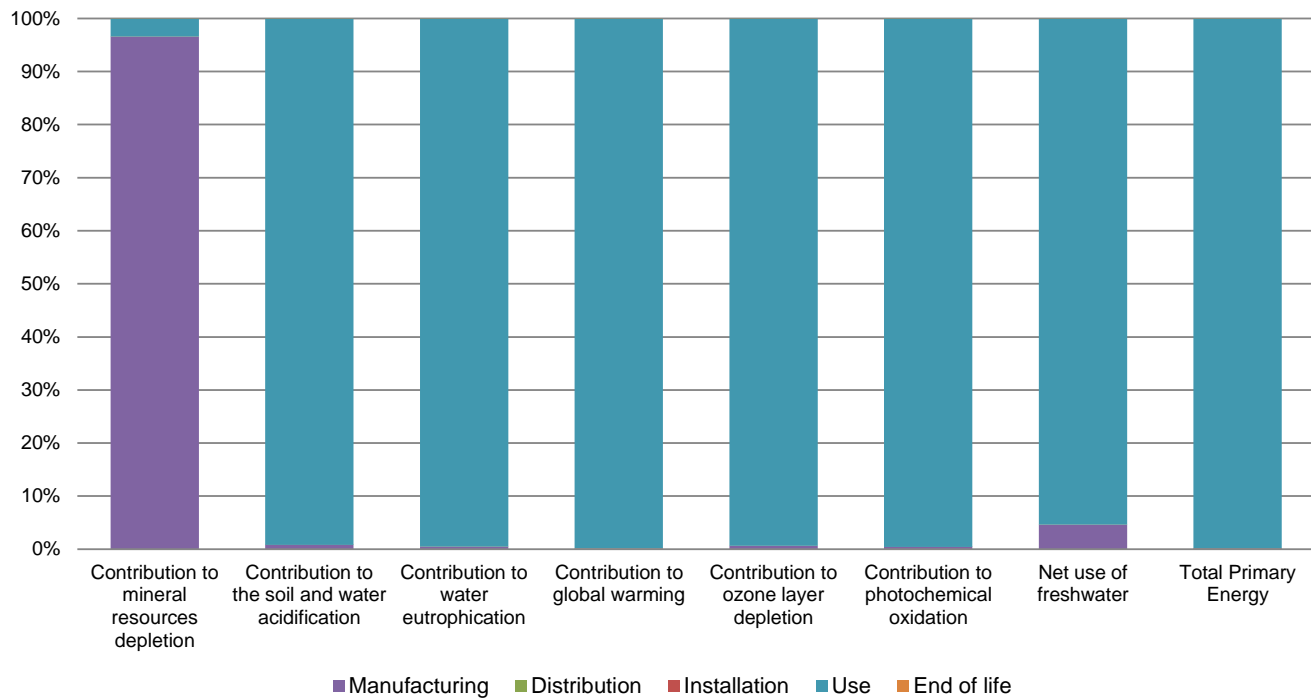
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 33.4 g, consisting of Cardboard (89.8%), PE film (4.2%), Paper(6%)
Installation	Ref CE250 does not require any installation operations.
Use	The product does not require special maintenance operations.
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials This product contains Plug (126.1g) that should be separated from the stream of waste so as to optimize end-of-life treatment. Recyclability potential: 73% Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).



Environmental impacts

Reference life time	17 years			
Installation elements	No special components needed			
Use scenario	The typical use scenario is continuous operation 24 hours a day, 365 days a year, the power consumption is 40w, lifetime is 17years.			
Geographical representativeness	Australia			
Technological representativeness	The Modules of Technologies such as material production, manufacturing process and transport technology used in this PEP analysis (LCA-EIME in this case) are Similar and representative of the actual type of technologies used to make the product in production.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: Vietnam	Electricity mix; AC; consumption mix, at consumer; 240V; AU	Electricity mix; AC; consumption mix, at consumer; 240V; AU	Electricity mix; AC; consumption mix, at consumer; 240V; AU

Compulsory indicators		FAN CEILING EXHAUST 250MM - CE250					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	7.77E-04	7.51E-04	0*	0*	2.61E-05	0*
Contribution to the soil and water acidification	kg SO ₂ eq	6.86E+00	5.56E-02	1.96E-03	0*	6.80E+00	9.47E-04
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	1.80E+00	7.85E-03	4.52E-04	0*	1.80E+00	2.24E-04
Contribution to global warming	kg CO ₂ eq	6.63E+03	7.84E+00	0*	0*	6.62E+03	0*
Contribution to ozone layer depletion	kg CFC11 eq	8.01E-05	5.12E-07	0*	0*	7.96E-05	2.08E-08
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	9.28E-01	3.79E-03	1.40E-04	0*	9.23E-01	1.02E-04
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m ³	7.08E+00	3.28E-01	0*	0*	6.75E+00	0*
Total Primary Energy	MJ	9.75E+04	1.23E+02	0*	0*	9.73E+04	0*



Optional indicators		FAN CEILING EXHAUST 250MM - CE250					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	9.20E+04	9.22E+01	0*	0*	9.19E+04	0*
Contribution to air pollution	m³	6.39E+05	2.18E+03	0*	0*	6.37E+05	0*
Contribution to water pollution	m³	3.05E+05	9.13E+02	7.07E+01	0*	3.04E+05	3.61E+01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.63E-02	1.63E-02	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	2.55E+03	1.38E+00	0*	0*	2.55E+03	0*
Total use of non-renewable primary energy resources	MJ	9.49E+04	1.22E+02	0*	0*	9.48E+04	0*
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2.55E+03	7.50E-01	0*	0*	2.55E+03	0*
Use of renewable primary energy resources used as raw material	MJ	6.30E-01	6.30E-01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	9.49E+04	1.20E+02	0*	0*	9.48E+04	0*
Use of non renewable primary energy resources used as raw material	MJ	1.32E+00	1.32E+00	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	2.65E+02	6.09E+01	0*	0*	2.00E+02	4.15E+00
Non hazardous waste disposed	kg	1.09E+03	3.40E+00	0*	0*	1.08E+03	0*
Radioactive waste disposed	kg	4.85E-02	1.51E-03	1.09E-05	0*	4.70E-02	2.27E-05
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	2.74E+00	3.25E-01	0*	3.23E-02	0*	2.38E+00
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	2.12E-03	0*	0*	0*	0*	2.12E-03
Exported Energy	MJ	1.01E-04	9.51E-06	0*	9.17E-05	0*	0*

* represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version EIME v5.8.1, database version 2016-11 in compliance with ISO14044.

The manufacture phase has the greatest impact on the Abiotic depletion indicator. The use phase has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number	ENVPEP1511017_V2	Drafting rules	PCR-ed3-EN-2015 04 02
Date of issue	11/2020	Supplemented by	PSR-0008-ed2.0-EN-2018 02 09
Validity period	5 years	Information and reference documents	www.pep-ecopassport.org
<i>Independent verification of the declaration and data</i>			
Internal	X	External	
<i>The elements of the present PEP cannot be compared with elements from another program.</i>			
<i>Document in compliance with ISO 14021:2016 « Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »</i>			

Schneider Electric Industries SAS
Country Customer Care Center
<http://www.schneider-electric.com/contact>
35, rue Joseph Monier
CS 30323
F- 92506 Rueil Malmaison Cedex
RCS Nanterre 954 503 439
Capital social 896 313 776 €

www.schneider-electric.com

ENVPEP1511017_V2

Published by Schneider Electric

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11/2020