

## BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

### 1 Basic data

<b>Product identification</b>		Document ID BPD001F
Product name CASA W230	Product no/ID designation 10223PR, 10223PL	Product group W-series, Heat Recovery Unit
<input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration	<b>In the case of a revised declaration</b>	
	Has the product been changed?	The change relates to
	<input type="checkbox"/> No <input type="checkbox"/> Yes	Changed product can be identified by
Drawn up/revised on (date) 2014-12-08		Inspected without revision on (date)
Other information:		

### 2 Supplier information

Company name Swegon ILTO Oy		Company reg. no/DUNS no	
Address Asessorinkatu 10 20780 KAARINA FINLAND		Contact person Lars Norrdal	
		Telephone +358500850727	
Website: www.swegon.com/casa		E-mail lars.norrdal@ilto.fi	
Does the company have an environmental management system?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
The company possesses certification in compliance with	<input type="checkbox"/> ISO 9000 <input type="checkbox"/> ISO 14000	<input type="checkbox"/> Other	If "other", please specify:
Other information: SGS's audit for the certificated products; electrical and electronic goods			

### 3 Product information

Country of final manufacture Finland	If country cannot be stated, please state why		
Area of use Air handling units for residential ventilation			
Is there a Safety Data Sheet for this product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
In accordance with the regulations of the Swedish Chemicals Agency, please state:	Classification Labelling	<input checked="" type="checkbox"/> Not relevant	
Is the product registered in BASTA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Has the product been eco-labelled?	<input checked="" type="checkbox"/> Criteria not found	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If "yes", please specify:			
Is there a Type III environmental declaration for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Other information:			

### 4 Contents (To add a new green row, select and copy an entire empty row and paste it in)

At the time of delivery, the product comprises the following parts/components, with the chemical composition stated:					
Constituent materials/components	Constituent substances	Weight % or g	EG no/ CAS no (or alloy)	Classification	Comments
Steel plate, hot-dip-galvanised	whereof	69,14%	EN 10327		
	steel	66,23%	68467-81-2		
	zinc	2,91%	7440-66-6		
Aluminium		14,19%	7429-90-5		

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

Electrical motor and fans	Whereof	8,5%			
Al		0,91%	7429-90-5		
Fe		6,1%	7439-89-6		
Cu		0,6%	7440-50-8		
Iron Oxide		0,5%	1332-37-2		
Silicon		0,14%	7440-21-3		
Polyamide		0,1%	32131-17-2		
Glass fiber		0,09%	65997-17-3		
Sr oxide		0,01%	1314-11-0		
PVC		0,01%	9002-86-2		
Other		0,04%			
Reheater	Steel	0,71%	7439-89-6		
Circuit card		1,41%			
	Where of				
	-Glass fibre	0,77%	65997-17-3		
	-Copper	0,42%	7440-50-8		
	-Silver	0,21%	7440-22-4		
	-Tin	0,007%	7440-31-5		
	-TBBP-A	0,007%	79-94-7		
Cables		0,85%			
	Whereof				
-Cu		0,23%	7440-50-8		
-PVC		0,25%	9002-86-2		
-Silicon		0,06%			
-Plastics		0,05%			
-Virgin natural rubber		0,01%			
-PU		0,04%			
-Polypropen		0,21%	9003-07-0		
Cellular plastic insulation	PE	4,93%			
Seals		0,07%			
Rubber parts	EPDM	0,06%			
Filters	Paper	0,48%			
Others, panel etc.	Plastics (PC/ABS)	0,36 %	24936-68-3 + 9003-56-9		

Other information: Total weight 155 kg, RoHS/RoHS2 certificate enclosed for circuit card

If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the **finished built in product** should be given here. If the content is unchanged, no data need be given in the following table.

Constituent materials/ components	Constituent substances	Weight % or g	EG no/ CAS no (or alloy)	Classifi- cation	Comments

Other information:

## 5 Production phase

Resource utilisation and environmental impact during production of the item is reported in one of the following ways:

1) Inflows (goods, intermediate goods, energy etc) for the registered product into the **manufacturing unit**, and the

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outflows (emissions and residual products) from it, i.e. from “gate-to-gate”.					
<input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. “cradle-to-gate”.					
<input type="checkbox"/> 3) Other limitation. State what:					
The report relates to unit of product	<input type="checkbox"/> Reported product	<input type="checkbox"/> The product’s product group	<input type="checkbox"/> The product’s production unit		
Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product			<input checked="" type="checkbox"/> Not relevant		
Raw material/intermediate goods	Quantity and unit		Comments		
Indicate <b>recycled materials</b> used in the manufacture of the product			<input checked="" type="checkbox"/> Not relevant		
Type of material	Quantity and unit		Comments		
Enter the <b>energy</b> used in the manufacture of the product or its component parts			<input checked="" type="checkbox"/> Not relevant		
Type of energy	Quantity and unit		Comments		
Enter the <b>transportation</b> used in the manufacture of the product or its component parts			<input checked="" type="checkbox"/> Not relevant		
Type of transportation	Proportion %		Comments		
Enter the <b>emissions to air, water or soil</b> from the manufacture of the product or its component parts			<input checked="" type="checkbox"/> Not relevant		
Type of emission	Quantity and unit		Comments		
Enter the <b>residual products</b> from the manufacture of the product or its component parts			<input checked="" type="checkbox"/> Not relevant		
Residual product	Waste code	Quantity	Proportion recycled		Comments
			Material recycled %	Energy recycled %	
Is there a description of the data accuracy for the manufacturing data?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If “yes”, please specify:		
Other information:					

## 6 Distribution of finished product

Does the supplier put into practice a system for returning load carriers for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier put into practice any systems involving multi-use packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier take back packaging for the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the supplier affiliated to REPA?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other information: corresponding package recycling system in Finland, PYR			

## 7 Construction phase

Are there any special requirements for the product during storage?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If “yes”, please specify:
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Are there any special requirements for adjacent building products because of this product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information:				

## 8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: See Instructions for installation, use and maintenance			
Does the product have any special energy supply requirements for operation?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:			
Estimated technical service life for the product is to be entered according to one of the following options, a) or b):						
a) Reference service life estimated as being approx.	<input type="checkbox"/> 5 years	<input checked="" type="checkbox"/> 10 years	<input type="checkbox"/> 15 years	<input type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	Comments
b) Reference service life estimated to be in the interval of	years					
Other information: The reference life span is valid in "normal use" according to the product sheet which is valid during delivery. For special requirement see manual (spareparts as filters etc).						

## 9 Demolition

Is the product ready for disassembly (taking apart)?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: according to WEEE waste regulations
Other information:				

## 10 Waste management

Is it possible to re-use all or parts of the product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Is it possible to recycle materials for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: metals and mineral wool are the recyclable materials
Is it possible to recycle energy for all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: plastics
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Enter the waste code for the <b>supplied</b> product				
Is the <b>supplied</b> product classed as hazardous waste?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished <b>built in</b> product, then this should be entered here. If it is unchanged, the following details can be omitted.				
Enter the waste code for the <b>built in</b> product 20 01 36				
Is the <b>built in</b> product classed as hazardous waste?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other information:				

## 11 Indoor environment (To add a new green row, select and copy an entire empty row and paste it in)

When used as intended, the product gives off the following emissions:			<input checked="" type="checkbox"/> The product does not have any emissions	
Type of emission	Quantity [ $\mu\text{g}/\text{m}^2\text{h}$ ] or [ $\text{mg}/\text{m}^3\text{h}$ ]		Method of measurement	Comments
	4 weeks	26 weeks		

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Can the product itself give rise to any noise?			<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Value		Unit	Method of measurement		
Can the product give rise to electrical fields?			<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Value		Unit	Method of measurement		
Can the product give rise to magnetic fields?			<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Value		Unit	Method of measurement		
Other information:					

## References

## Appendices

See Instructions for installation, use and maintenance