BUILDING PRODUCT DECLARATION BPD 3

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

1 Basic data

Product identification			Document ID BPD001F
Product name CASA R120	Product no/ID designation 10212RRE, 10212RLE		Product group R-series, Heat Recovery Unit
☐ New declaration ☒ Revised declaration	**In the case of a revised declaration**		
	Has the product been changed?		The change relates to Rotor and circuit cards
	☒ No	☐ Yes	Changed product can be identified by
Drawn up/revised on (date) 2014-08-07			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?			☐ Yes	☒ No
The company possesses certification in compliance with	☐ ISO 9000	☐ ISO 14000	☐ 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?			☒ Not relevant	☐ Yes	☐ No
In accordance with the regulations of the Swedish Chemicals Agency, please state:		Classification Labelling		☒ Not relevant	
Is the product registered in BASTA?				☐ Yes	☒ No
Has the product been eco-labelled?	☒ Criteria not found	☐ Yes	☐ No	If "yes", please specify:	
Is there a Type III environmental declaration for the product?				☐ Yes	☒ 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)**	**Classifi-cation**	**Comments**
Steel plate, hot-dip-galvanised	whereof	70,0%	EN 10327		
	steel	66,76%	68467-81-2		
	zinc	3,24%	7440-66-6		
Aluminium		10,69%	7429-90-5		

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

Electrical motor and fans		9,12%			
	Whereof				
-Aluminium		0,30%	7429-90-5		
-Steel		4,51%	68467-81-2		
-Copper		0,27%	7440-50-8		
-Plastics	PC/ABS	0,50%	24936-68-3 + 9003-56-9		
-Other		0,06%			
Rotor motor	Where of	0,91%			
	- Steel		7439-89-6		
	- Copper		7440-50-8		
	- Zinc		7440-66-6		
Reheater	Steel	2,57%	68467-81-2		
Circuit card		0,77%			
	Where of				
	-Glass fibre	0,42	65997-17-3		
	-Copper	0,21	7440-50-8		
	-Silver	0,007	7440-22-4		
	-Tin	0,007	7440-31-5		
	-TBBP-A	0,13	79-94-7		
Cables					
	Whereof				
-Copper		0,29%	7440-50-8		
-PVC		0,34%	9002-86-2		
-Silicone		0,08%			
-Plastics		0,06%			
-Virgin natural rubber		0,02%			
-Polyurethan		0,06%			
-Polyprophen		0,28%	9003-07-0		
Cellular plastic insulation	PE	6,61%			
Seals		0,16%			
Rubber parts	EPDM	0,13%			
Filters	Paper	0,77%			
Others, panel etc.	Plastics (PC/ABS)	0,64 %	24936-68-3 + 9003-56-9		
Other information: Total weight 77,9 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 outflows (emissions and residual products) from it, i.e. from "gate-to-gate". ☐ 2) All inflows and outflows from the extraction of raw materials to finished products i.e. "cradle-to-gate". ☐ 3) Other limitation. State what:				
The report relates to unit of product	☐ Reported product	☐ The product's product group	☐ The product's production unit	

Indicate **raw materials and intermediate goods** used in the manufacture of the product		☒ Not relevant
Raw material/intermediate goods	Quantity and unit	Comments

Indicate **recycled materials** used in the manufacture of the product		☒ Not relevant
Type of material	Quantity and unit	Comments

Enter the **energy** used in the manufacture of the product or its component parts		☒ Not relevant
Type of energy	Quantity and unit	Comments

Enter the **transportation** used in the manufacture of the product or its component parts		☒ Not relevant
Type of transportation	Proportion %	Comments

Enter the **emissions to air, water or soil** from the manufacture of the product or its component parts		☒ Not relevant
Type of emission	Quantity and unit	Comments

Enter the **residual products** from the manufacture of the product or its component parts					☒ Not relevant
			Proportion recycled		
Residual product	Waste code	Quantity	Material recycled %	Energy recycled %	Comments

Is there a description of the data accuracy for the manufacturing data?	☐ Yes	☐ 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?	☐ Not relevant	☐ Yes	☒ No
Does the supplier put into practice any systems involving multi-use packaging for the product?	☐ Not relevant	☐ Yes	☒ No
Does the supplier take back packaging for the product?	☐ Not relevant	☐ Yes	☒ No
Is the supplier affiliated to REPA?	☐ Not relevant	☒ Yes	☐ No
Other information: corresponding package recycling system in Finland, PYR			

7 Construction phase

Are there any special requirements for the product during storage?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
Are there any special requirements for adjacent building products because of this product?	☒ Not relevant	☐ Yes	☐ No	If "yes", please specify:
Other information:				

8 Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?		☒ Yes	☐ No	If "yes", please specify: See Instructions for installation, use and maintenance		
Does the product have any special energy supply requirements for operation?		☐ Yes	☒ 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.	☐ 5 years	☒ 10 years	☐ 15 years	☐ 25 years	☐ >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)?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	☐ Not relevant	☒ Yes	☐ 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?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Is it possible to recycle materials for all or parts of the product?	☐ Not relevant	☒ Yes	☐ 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?	☐ Not relevant	☒ Yes	☐ No	If "yes", please specify: plastics
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	☐ Not relevant	☐ Yes	☒ No	If "yes", please specify:
Enter the waste code for the **supplied** product				
Is the **supplied** product classed as hazardous waste?			☐ Yes	☒ 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 **built in** product, then this should be entered here. If it is unchanged, the following details can be omitted.				
Enter the waste code for the **built in** product 20 01 36				
Is the **built in** product classed as hazardous waste?			☐ Yes	☒ 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:		☒ The product does not have any emissions	
Type of emission	**Quantity [µg/m²h] or [mg/m³h]**	**Method of**	**Comments**

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

	4 weeks	**26 weeks**	**measurement**	

Can the product itself give rise to any noise?		☒ Not relevant	☐ Yes	☐ No
Value	Unit	Method of measurement		
Can the product give rise to electrical fields?		☒ Not relevant	☐ Yes	☐ No
Value	Unit	Method of measurement		
Can the product give rise to magnetic fields?		☒ Not relevant	☐ Yes	☐ No
Value	Unit	Method of measurement		
Other information:				

References

Appendices

See Instructions for installation, use and maintenance