



## 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 BPD3-CRC-IO	
Product name <b>MAESTRO</b> Sizes 6 to 7	Product no/ID designation <b>Product Full Range IDs:</b> <b>MTL xy+z</b> x= 6 to 7 size y=4/6 N° of main coil rows Optional z=2 N° of secondary coil row	Product group <b>Fan-coils</b> <b>BK04-24199</b>	
<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? <input type="checkbox"/> No <input type="checkbox"/> Yes	The change relates to	
	Changed product can be identified by		
Drawn up/revised on (date) 12/2018		Inspected without revision on (date)	
<p>Other information:</p> <p><b>MAESTRO are chilled water/hot water fan-coils for offices and general civil use.</b></p> <p><b>Units are equipped with one water coil (2-pipes pattern) or two water coils (4-pipes pattern) for the purpose of fully recirculated air conditioning. Air is mechanically blown towards occupied space by the mean of a centrifugal fan deck. MAESTRO unit should be mounted at ceiling and supply flow should be ducted. Fan deck is provided with a 3 steps velocity motor which modifies fan speed and flowrate according to the actual space needs. Motor can be controlled by a BAS or a direct control loop in response to temperature signal emitted by space thermostat.</b></p>			

### 2 Supplier information

Company name EVECO HANDEL AB		Company reg. no/DUNS no <b>556664-8258</b>	
Address METANGATAN 3, 43153 MÖLNDAL		Contact person Henrik Hofgren	
Website: www.evenco.se		Telephone 031-3388456	
E-mail henrik.hofgren@evenco.se			
Does the company have an environmental management system?		<input checked="" type="checkbox"/> Yes	<input 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: We have our own quality and environmental management system.			

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

### 3 Product information

Country of final manufacture	<b>Italy</b>	If country cannot be stated, please state why			
Area of use					
<b>Air conditioning of offices and general civil use</b>					
Is there a Safety Data Sheet for this product?			<input type="checkbox"/> Not relevant	<input checked="" 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: <b>In relation to Safety Data Sheet, please see the enclosed Installation and Use and Maintenance Manual</b>					
<b>Fan-coils are Compliant to applicable UE Directives (see References)</b>					

### 4 Contents

At the time of delivery, the product comprises the following parts/components, with the chemical composition stated:					
Constituent materials/components	Constituent substances	Weight %	EC no/CAS number (or alloy)	Classification	Comment
<b>CASING</b>	Galvanized Steel	34,76%	UNI EN 10327-DX51D+Z200		
	Carbon Steel	2,52%	68467-81-2		
	Nylon	<1%	32131-17-2		
<b>COILS</b>	Copper	11,01%	7440-50-8		
	Aluminum Sheet	6,37%	EN 573 8006 H22		
	Galvanized Steel	5,48%	UNI EN 10327-DX51D+Z200		
	Aluminized Steel	1,17%	UNI EN 10327 DX51D+AS120		
	Brass	<1%	86376-49-0		
	Carbon Steel	<1%	68467-81-2		
	Plastic	<1%	9003-07-0		
<b>FAN &amp; MOTOR</b>	Galvanized Steel	15,14%	UNI EN 10327-DX51D+Z200		
	Copper	6,81%	7440-50-8		
	Stainless Steel	4,47%	65997-19-5		
	Electric components	2,13%	*		
	PET	1,27%	25038-59-9		
	ABS	1,07%	9003-56-9		
	Carbon Steel	<1%	68467-81-2		
	Nylon	<1%	32131-17-2		
	<b>FILTER</b>	Galvanized Steel	4,54%	UNI EN 10327-DX51D+Z200	
Nylon		1,64%	32131-17-2		

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<b>SCREWS AND NUTS</b>					
	Carbon Steel	<1%	68467-81-2		
<b>TOT WEIGHT</b>		124-160 kg			
Other information: <b>All intermediate goods and raw materials suppliers are compliant to RoHS Directive</b>					
<b>Electric components include amounts of: plastics (polyamides, PP) and copper.</b>					
If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the <b>finished built in product</b> should be given here. If the content is unchanged, no data need be given in the following table.					
<b>Constituent materials/ components</b>	<b>Constituent substances</b>	<b>Weight % or g</b>	<b>EG no/ CAS no (or alloy)</b>	<b>Classifi- cation</b>	<b>Comments</b>
Other information:					

## 5 Production phase

<b>Resource utilisation and environmental impact during production of the item is reported in one of the following ways:</b>		
<input checked="" type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the <b>manufacturing unit</b> , and the 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 checked="" 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 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 type="checkbox"/> Not relevant
Type of material	Quantity and unit	Comments
<b>Aluminum</b>	<b>40%</b>	<b>Weighted average between values declared by suppliers</b>
<b>Steel</b>	<b>40%</b>	<b>Reference “Federacciai” Sustainability Report 2014” (Italian association of siderurgical sector). Value referred to European Union production.</b>
Enter the <b>energy</b> used in the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant
Type of energy	Quantity and unit	Comments
<b>Electricity</b>	<b>4 to 5 kWh</b>	<b>Motorized Assembly Including a saving percentage by 10% due to photovoltaics panels mounted on the roof</b>
Enter the <b>transportation</b> used in the manufacture of the product or its component parts		<input type="checkbox"/> Not relevant
Type of transportation	Proportion %	Comments

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<b>TRUCKS</b>	100%	Relative to transportation from supplier to manufacturing unit
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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 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 checked="" type="checkbox"/> No	If "yes", please specify:		
Other information: <b>No scraps into manufacturing unit. Components assembly only</b>					

## 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:			

## 7 Construction phase

Are there any special requirements for the product during storage?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: <b>Indoor storage, room temperature, protect against humidity. Leave product into original package until installation</b>
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If "yes", please specify:
Other information:				

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## 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: <b>See Installation and User Manual</b>
Does the product have any special energy supply requirements for operation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: <b>HW/CW and electricity</b>
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 type="checkbox"/> 10 years	<input checked="" type="checkbox"/> 15 years
	<input type="checkbox"/> 25 years	<input type="checkbox"/> >50 years	
b) Reference service life estimated to be in the interval of _____ years			Comments: <b>See "Other information"</b>
Other information: <b>Low voltage electric input for single-phase electric motor</b>			
<b>Life duration is based on experience under reference conditions such as allowable operative maximum fluid temperature/pressure and ambient conditions specified into Installation and User Manual</b>			

## 9 Demolition

Is the product ready for disassembly (taking apart)?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: <b>Product can be easily disassembled into major components</b>
Does the product require any special measures to protect health and environment during demolition/disassembly?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Other information:				

## 10 Waste management

Is it possible to re-use all or parts of the product?	<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify: <b>Unit can be dismantled and re-used elsewhere.</b>
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: <b>Steel, Aluminum, Plastics, Copper</b>
Is it possible to recycle energy for all or parts of the product?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	<input checked="" type="checkbox"/> Not relevant	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If "yes", please specify:
Enter the waste code for the <b>supplied</b> product : <b>Mixed Waste (non-hazardous) 20 03 01</b>				
If disassembled: Water heater elements 17 04 01 - 17 04 05 Mechanical Parts 16 01 17 Plastic 20 01 39 Electric Motors 16 01 22				
Is the <b>supplied</b> product classed as hazardous waste?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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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		
Is the <b>built in</b> product classed as hazardous waste?	<input type="checkbox"/> Yes	<input 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		
Can the product itself give rise to any noise?			<input type="checkbox"/> Not relevant	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Value <b>Lw Range:</b> <b>81(max speed, max size)</b> <b>63(min speed, min size)</b>	Unit <b>dBa</b>	Method of measurement: <b>Reverberation chamber</b>		
Can the product give rise to electrical fields?			<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Value	Unit	Method of measurement <b>EMC Compliant</b>		
Can the product give rise to magnetic fields?			<input type="checkbox"/> Not relevant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Value	Unit	Method of measurement <b>EMC Compliant</b>		
Other information:				

## References

Declared Compliances: EN 60335-1, EN 60335-2-40, EN 55014-1, EN61000-3-2, EN61000-3-3, EN 55014-2, EN 50581, Reg. N. 327/2011

(UE Directives: 2014/35/UE, 2014/30/UE, 2006/42/CE, 2009/125/CE, 2011/65/CE)

## Appendices

See instruction for installation, use and maintenance