



ENVIRONMENTAL DECLARATION

Date: 2001-11-05

General

Product: Passive chilled beam
Type: CBU-xx30-120, CBU-xx45-120 and CBU-xx60-120
CBU-xx30-235, CBU-xx45-235 and CBU-xx60-235
Manufacturer: Asarums Industri AB
Contact: Cooling System AB
Per Blomquist, Tel: +46 8 764 48 20, Fax: +46 8 764 67 07
E-mail: per.blomquist@cosy.se

Manufacturing information

Quality management system in use Yes No
The system complies with: Certification by ISO 9001 Other system
Environmental policy ratified Yes No
Company connected to the ICC Business Programme Yes No
Company registered in EMAS Yes No
Environmental management system in use Yes No
The system complies with: Certification by ISO 14001 Other system
Company makes use of Life Cycle Analysis (LCA) Yes No
Other information concerning internal quality work:

Product information

Criteria for environmental labelling are not available for this type of business at the moment

Recommended area of use is shown in the technical documentation Yes No
The products are clearly and indelibly marked:
Manufacturer, product type, project number etc. Yes No
The marking is clearly connected to the technical documentation
for a correct identification of the product Yes No

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E-mail: Home@cosy.se, Home page: www.cosy.se

1.1 Material contained in % of the total weight (Product: Passive chilled beam CBU-xx30-120)

Detail	Material	Weight	Suitable for re-use
Metallic material			
End plates	Al	5,5 %	100 %
Side plates, brackets	Fe	41,8 %	100 %
Fins	Al	35,0 %	100 %
Tubes	Cu	17,6 %	100 %
Surface finishing			
Coat of zinc	AlZn	0,1 %	100 %

Comments: The weight is calculated for a beam with a length of 3,0 m

1.2 Material contained in % of the total weight (Product: Passive chilled beam CBU-xx45-120)

Detail	Material	Weight	Suitable for re-use
Metallic material			
End plates	Al	5,1 %	100 %
Side plates, brackets	Fe	33,9 %	100 %
Fins	Al	40,7 %	100 %
Tubes	Cu	20,2 %	100 %
Surface finishing			
Coat of zinc	AlZn	0,1 %	100 %

Comments: The weight is calculated for a beam with a length of 3,0 m

1.3 Material contained in % of the total weight (Product: Passive chilled beam CBU-xx60-120)

Detail	Material	Weight	Suitable for re-use
Metallic material			
End plates	Al	4,8 %	100 %
Side plates, brackets	Fe	29,0 %	100 %
Fins	Al	44,2 %	100 %
Tubes	Cu	21,9 %	100 %
Surface finishing			
Coat of zinc	AlZn	0,1 %	100 %

Comments: The weight is calculated for a beam with a length of 3,0 m

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1.4 Material contained in % of the total weight (Product: Passive chilled beam CBU-xx30-235)

Detail	Material	Weight	Suitable for re-use
Metallic material			
End plates	Al	15,4 %	100 %
Side plates, brackets	Fe	48,8 %	100 %
Fins	Al	23,8 %	100 %
Tubes	Cu	11,9 %	100 %
Surface finishing			
Coat of zinc	AlZn	0,1 %	100 %

Comments: The weight is calculated for a beam with a length of 3,0 m

1.5 Material contained in % of the total weight (Product: Passive chilled beam CBU-xx45-235)

Detail	Material	Weight	Suitable for re-use
Metallic material			
End plates	Al	17,9 %	100 %
Side plates, brackets	Fe	39,8 %	100 %
Fins	Al	28,2 %	100 %
Tubes	Cu	14,0 %	100 %
Surface finishing			
Coat of zinc	AlZn	0,1 %	100 %

Comments: The weight is calculated for a beam with a length of 3,0 m

1.6 Material contained in % of the total weight (Product: Passive chilled beam CBU-xx60-235)

Detail	Material	Weight	Suitable for re-use
Metallic material			
End plates	Al	19,6 %	100 %
Side plates, brackets	Fe	33,7 %	100 %
Fins	Al	31,2 %	100 %
Tubes	Cu	15,4 %	100 %
Surface finishing			
Coat of zinc	AlZn	0,1 %	100 %

Comments: The weight is calculated for a beam with a length of 3,0 m

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The manufacturer demands an environmental declaration or equivalent document from used suppliers	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
The manufacturer demands product information according ISO 110141 from suppliers of chemicals	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
The product contains > 0,2 % by weight of any subject listed in the Swedish authorities registers concerning limited materials	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

2. Production

The production plant requires permission or registration according to Swedish environment protection laws	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
An annual report is sent to the Swedish authorities in accordance with the Swedish environment protection laws	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Company environmental report can be given on request	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Information concerning energy use and emissions to air, water and earth from the production plant can be given on request	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

3. Distribution of finished product

Place of manufacturing: Asarum, Sweden
Method of transport: Usually by truck
Packing material: Plastic and wood

The company is connected to REPA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
The company uses a re-useable packing system	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
The company accepts to take back the packing	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

4. Installation period

Documented instructions for the installation are available	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
The instructions contains demands and recommendations for:		
- Protection requirements for handling and installation	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
- Handling the product on site	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

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5. Operating period

- The product requires energy in normal use (electricity, fuel etc) Yes No
- The product requires chemical in normal use (refrigerant,oil etc) Yes No
- If "YES" : What type of chemical product is required?
- The product emits in normal use substances to the air, water or earth Yes No
- Instructions for service and maintenance are documented and available Yes No
- Estimated life length of the product provided that use, service and maintenance are carried out according the instructions: 25 years

6. Dismounting

The product are prepared for environmental friendly dismounting and scrapping

7. Remaining products

See table 1 "Material contained in % of the total weight

8. Waste products

See table 1 "Material contained in % of the total weight

9. Indoor environment

The product or any part of the product has no negative effect on the indoor environment
By emissions, allergenic substances, noise or magnetic-and electrical fields

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