



Barcol-Air ECBK Exposed Passive Chilled Beam



ECBK

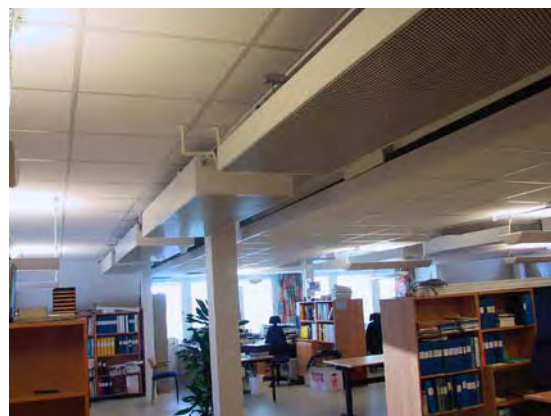
Passive chilled beam for exposed installation

Chilled beam ECBK

ECBK is a passive chilled beam for exposed installation is available in three widths 300, 450, 600 mm and two heights 120 and 235 mm. The width and the height are chosen depending on the cooling requirement.

Funktion

- Cooling by natural convection



Construction

ECBK is a convекtor inclosed in a painted casing with a perforated underside. Standard colour is white RAL 9010 and gloss 30. The convекtor consists of copper tubes and aluminium fins. The perforated underside has circular holes with 10 mm diameter and positioned in triangle with a distance of 13 mm. Other types of perforations are also available.

Installation

ECBK is made for exposed installation. The clearance above the beam should be minimum 100 mm. ECBK is delivered with two hangers. The hangers snap into place in the mounting strips of the chilled beam. The water connection is as standard 15 mm copper.



Standard

ECBK is delivered in lengths up to 4 m. The water connection is made horizontal through the end plate or vertical inside the casing.

Equipment

- Different types of perforation
- Installation kits
- Factory assembled valves
- Flexible hoses with push-on couplings
- Electronical room control system

Hygiene - Maintenance

The casing can easily be cleaned with a wet cloth. The convекtor can easily be vacuum cleaned

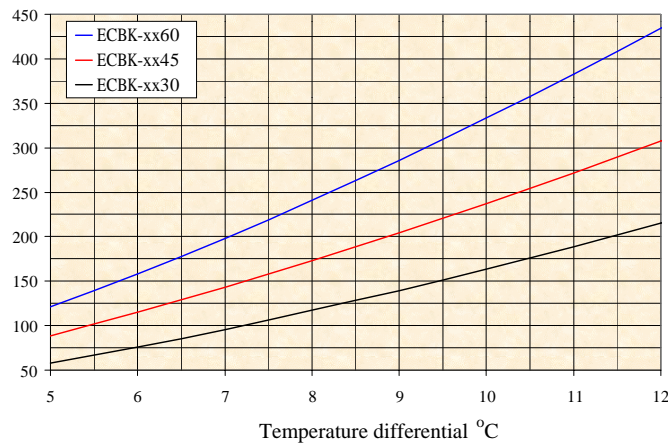
Documentation

Barcol-Air Ltd products are tested and validated to the NordTest method. Our production is certified to ISO 9001. In addition to the selection tables and diagrams Barcol-Air can provide a PC based calculation program on request.

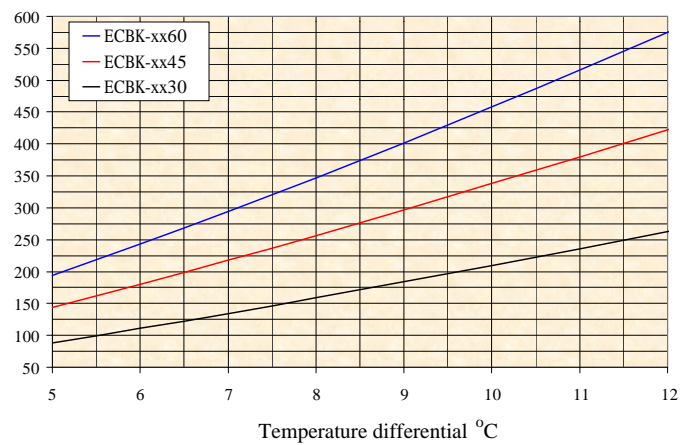


Passive chilled beam ECBK

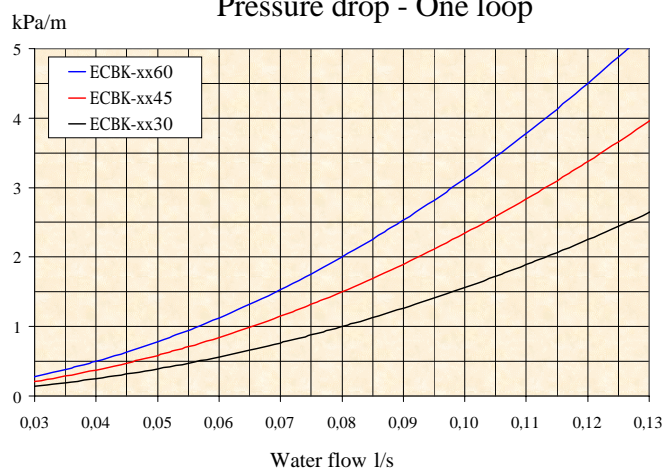
W/m Cooling capacity with the height 120 mm



W/m Cooling capacity with the height 235 mm



Pressure drop - One loop



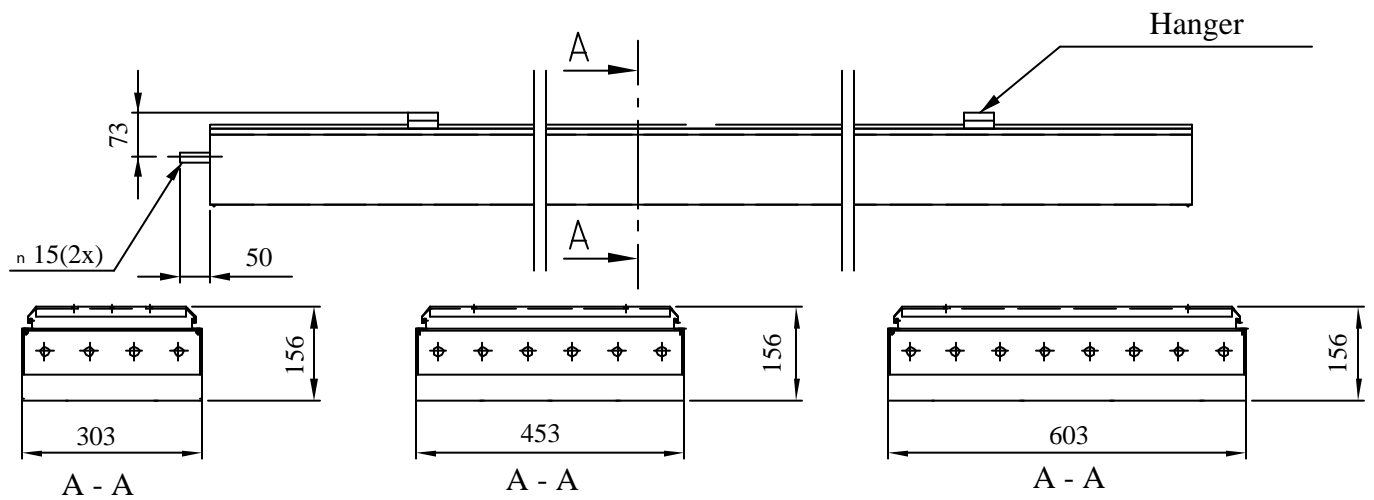
Order code

	a - xx	b - c - d	e / f
Type	_____	_____	_____
ECBK	_____	_____	_____
Length	_____	_____	_____
Length in dm	_____	_____	_____
Width	_____	_____	_____
30, 45, 60 cm	_____	_____	_____
Height	_____	_____	_____
120, 235 mm	_____	_____	_____
Water connection	_____	_____	_____
H = Horizontal	_____	_____	_____
Connection	_____	_____	_____
P = Parallell, S = Seriell	_____	_____	_____
Number of loops	_____	_____	_____
1, 2, 3, 4	_____	_____	_____

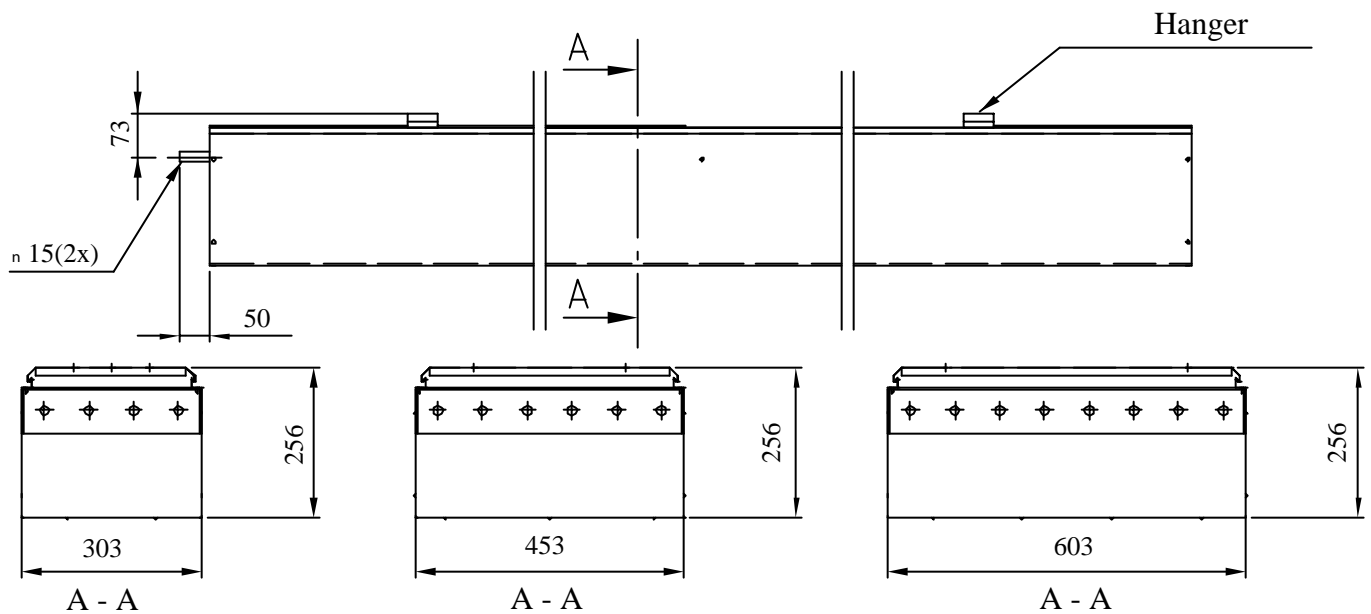
Example : ECBK-2060-235-HP/1
 Water connection: Horizontal copper 15 mm
 Color: RAL 9010, gloss 30

Dimensions

ECBK-xx30,45,60-120-HP/1



ECBK-xx30,45,60-235-HP/1



Contacts

Headquarters

Barcol-Air Ltd.
115 Hurley Road
Oxford, CT 06478
Phone: 203-262-9900
Fax: 203-262-9906
Email: info@barcolairusa.com
Website: www.barcolairusa.com

West Coast Office

Barcol-Air Ltd.
Georgetown Center, Building B
5963 Coreson Avenue South
Seattle, WA 98108

Website: www.barcolairusa.com

Representatives Card