
K120C

Description

K120C is an oven-painted galvanized steel panel for installation on exposed cross-structure for 1200x1200 mm modular false-ceilings.

K120C is an active panel equipped with n.6 75 mm wide anodized aluminium thermal diffusers factory-glued to the panels. The hydraulic circuit is made by a 12 mm copper pipe coil. Thermal insulation needs may be satisfied using the K820 polyester fibre thermoacoustic panel.

Versions and products code

Product code	Panel finish	Color	Activation	Module [mm]	Dimensions [mm]
K120CX501	micro-holes R2516	white RAL9010	type C75, 6 diffusers	1200 x 1200	1030 x 1030
K120CX502	smooth	white RAL9010	type C75, 6 diffusers	1200 x 1200	1030 x 1030
K120CX701	micro-holes R2516	silver RAL9006	type C75, 6 diffusers	1200 x 1200	1030 x 1030
K120CX702	smooth	silver RAL9006	type C75, 6 diffusers	1200 x 1200	1030 x 1030

Optional

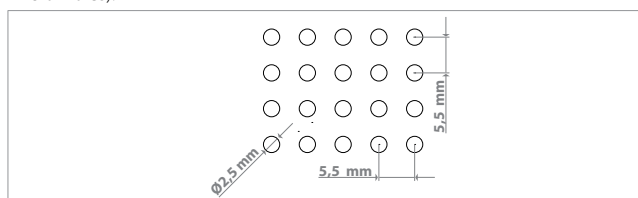
K820: polyester fibre thermoacoustic panels (optional)

Technical data

- C75 activation (6 anodized aluminium thermal diffusers)
- Anchoring to exposed cross-structure
- Piping: 12 mm copper
- Panel: 8/10 galvanized steel
- Panel dimensions: 1030x1030 mm and 0,8 mm thick
- False-ceiling modules: 1200x1200 mm
- Fire reaction class: 0
- $K_v = 0,73$
- Panel water content: 0,43 l

Standard micro-holes

Available as smooth and with micro-holes; the latter presents 2,5 mm micro-holes on the entire surface, except for a 15 mm wide perimetral area (16 % micro-holes).



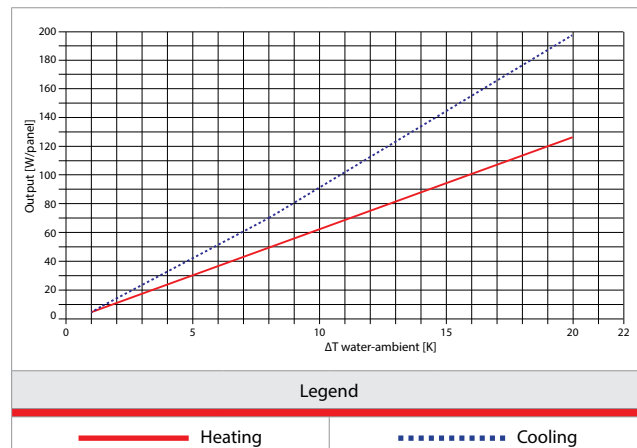
Nominal output

- Heating (according to EN14037): 87,3 W/m² with 10K water-ambient ΔT .
- Cooling (according to EN14240): 96,9 W/m² with 8K water-ambient ΔT .



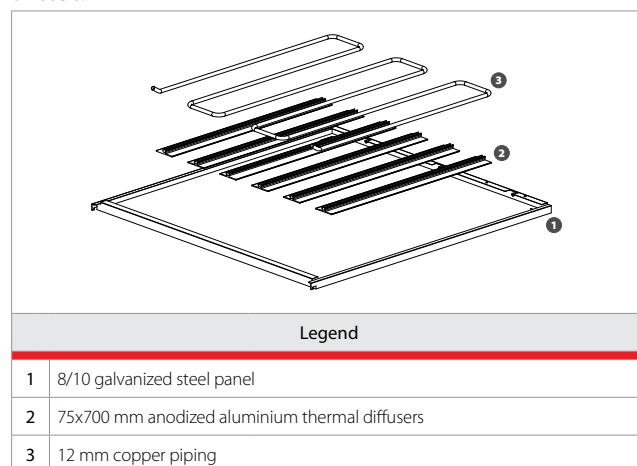
Note.

Output for single panel compliant with tests in thermostatic chamber according to EN14240 and EN14037.



C75 Activation

Active panels are equipped with n.6 75x700 mm factory-glued thermal diffusers.

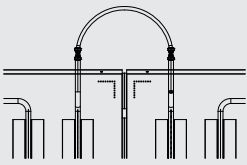





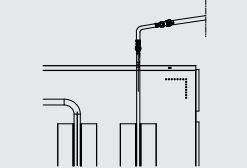










Anchoring to exposed cross-structure

Every panel is equipped with two hooks fitted to their supporting slots around which the panel can pivot. Three safety springs keep the panel in place and enable to open and close it. K120C panels can be detached, pivoted by 90° and placed vertically to open the false-ceiling and access the plenum for inspection or maintenance of other installations, also when the system is running.



Connections

	Type 1 connection	Type 2 connection
Panel-panel connection 	<p>Panel-panel and panel-manifold connections are provided by RC102 or RC122 straight or angled push-fittings and a 12x1,5 mm anti-oxygen plastic pipe, R986-1 series.</p> <div></div> <div></div>	<p>Panel-panel connections are provided by the K85RS 750 mm long preassembled kit with anti-oxygen barrier pipe and stainless steel mesh sheath combined to two RS 12 mm push-fittings</p> <div></div>
Panel-manifold connection 	<p>Panel-manifold connection requires RC109 and RC107 push-fittings connected to the 16x15 mm plastic pipe.</p> <div></div> <div></div>	<p>Panel-manifold connection requires a K85RS 400 mm long preassembled kit, including flexible piping with anti-oxygen barrier and stainless steel mesh sheath combined to an RS 12 mm fitting on one side and a 1/2" F on the other. Installation of the RC107 push-fitting (1/2" M x 16 mm) enables to connect the Ø 16x1,5 mm plastic pipe.</p> <div></div> <div></div>

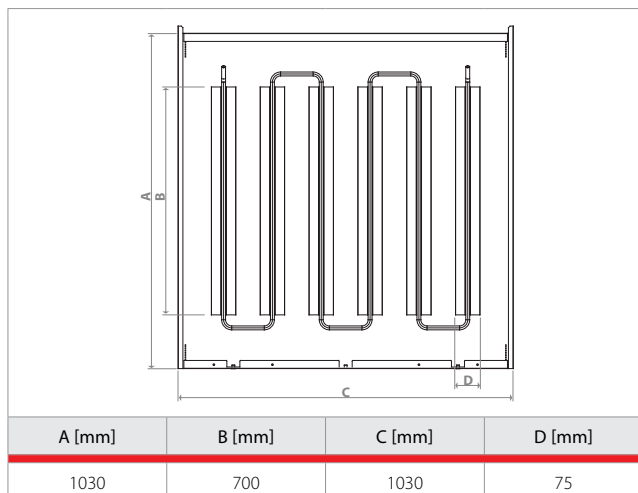

Warning.

The RS push fittings must be connected only with drawn or annealed copper pipes.


Warning.

RC push-fittings connections are irreversible. The plastic pipe end must be fitted with an RC900 reinforcement bush before inserting the RC push-fitting.

Dimensions



Specifications

K120C

Galvanized and oven-painted 8/10 steel active panel for installation on exposed cross-structure. Activation consisting of six 75x700 mm anodized aluminium thermal diffusers. 12 mm copper pipe coil hydraulic circuit. Smooth or with micro-holes. Pivoting opening with two hooks fitted to the support structure slots. Dimensions: 1030x1030 mm.

Additional information

For more information, go to www.giacomini.com or contact our technical assistance service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ consulenza.prodotto@giacomini.com

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