



K12C

Description

K12C is a painted steel panel for installation on exposed T-shaped support structure with 24 mm base for 600x1200 mm modular false-ceilings. K12C is an active panel equipped with n.6 75 mm wide anodized aluminium thermal diffusers factory-glued on 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 product code

Product code	Panel finish	Color	Activation	Module [mm]	Dimensions [mm]
K12CX300	micro-holes R2516	white RAL9003	type C75, 6 diffusers	600 x 1200	575 x 1175
K12LCX300	smooth	white RAL9003	type C75, 6 diffusers	600 x 1200	575 x 1175
K12CX200	micro-holes R2516	silver RAL9006	type C75, 6 diffusers	600 x 1200	575 x 1175
K12LCX200	smooth	silver RAL9006	type C75, 6 diffusers	600 x 1200	575 x 1175

Optionals and spare parts

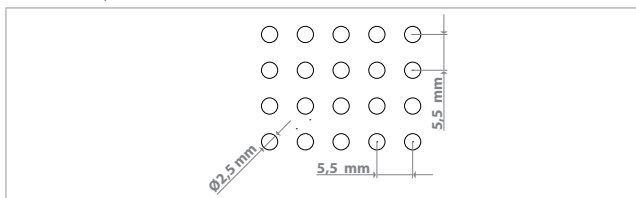
K820: polyester fibre thermoacoustic panels (optional)
PGK06X002: metal suspension wire (spare part)

Technical data

- C75 activation (6 anodized aluminium thermal diffusers)
- Anchoring to T-shaped support structure
- Piping: 12 mm copper pipe
- Panel: 6/10 galvanized steel
- Panel dimensions: 575x1175 mm and 0,6 mm thick
- False-ceiling modules: 600x1200 mm
- Fire reaction class: 0
- Kv = 0,77
- Panel water content: 0,24 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).

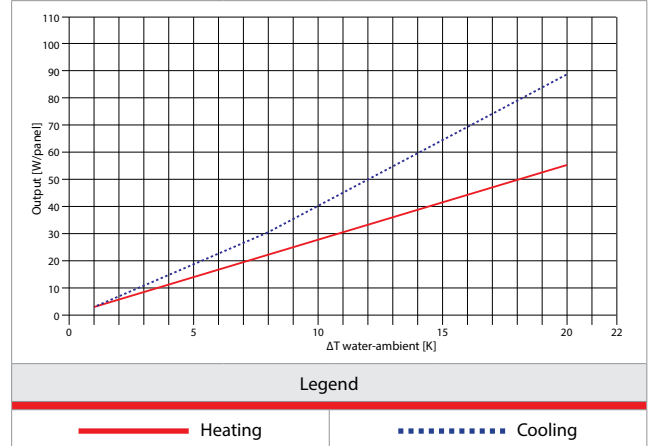


Nominal outputs

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

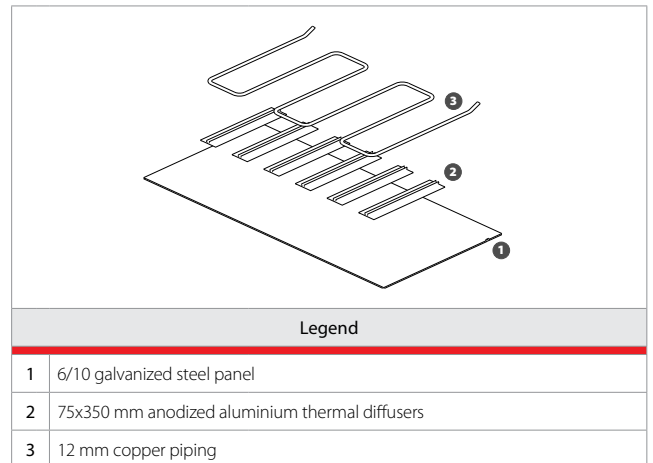


Note.
Output for single panel compliant with tests in thermostatic chamber according to EN14240 and EN14037.



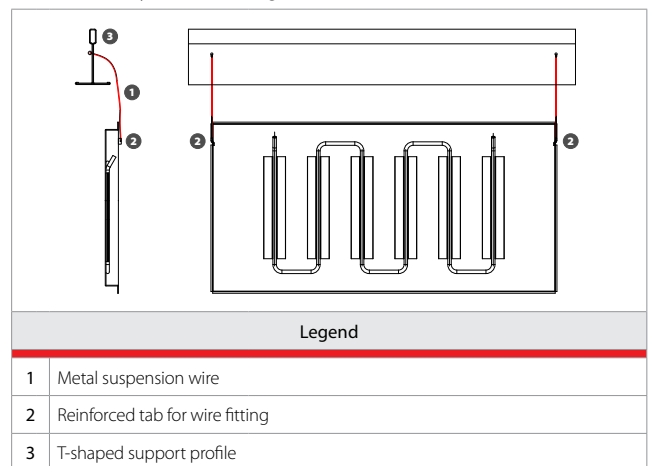
C75 activation

Active panels are equipped with n.6 75x350 mm factory-glued thermal diffusers.



Anchoring to T-shaped support structure

The panel provides for connection of two PGK suspension wires to be anchored to the T-shaped support structure during assembly. The panel can be detached and left hanging from the two suspension wires to access the false-ceiling and plenum for inspection or maintenance of other installations also when the system is running.





Collegamento

	Type 1 connection	Type 2 connection
<p>Panel-panel connection</p>	<p>Panel-panel and panel-manifold connections are provided by straight RC102 or angled RC122 push-fittings and a 12x1,5 mm anti-oxygen plastic pipe, R986-1 series.</p> <p>RC102X004 (12 x 12 mm) RC122X004 (12 x 12 mm)</p> <p>R986SY100 (12 x 1,5 mm) RC900Y011 (12 x 1,5 mm)</p>	<p>Panel-panel connections are provided by the K85RS 900 mm long preassembled kit with anti-oxygen barrier pipe and stainless steel mesh sheath combined to two RS 12 mm push-fittings.</p> <p>K85RSY003 (12 x 12 mm - 900 mm long)</p>
<p>Panel-manifold connection</p>	<p>Panel-manifold connection requires RC109 and RC107 push-fittings connected to the 16x15 mm plastic pipe.</p> <p>RC109X014 (12 mm x 1/2" F) RC107X017 (1/2" M x 16 mm)</p> <p>R986SY120 (16x1,5 mm) RC900Y016 (16x1,5 mm)</p>	<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> <p>K85RSY002 (12 mm x 1/2" F - 400 mm long) RC107X017 (1/2" M x 16 mm)</p> <p>R986SY120 (16x1,5 mm) RC900Y016 (16x1,5 mm)</p>

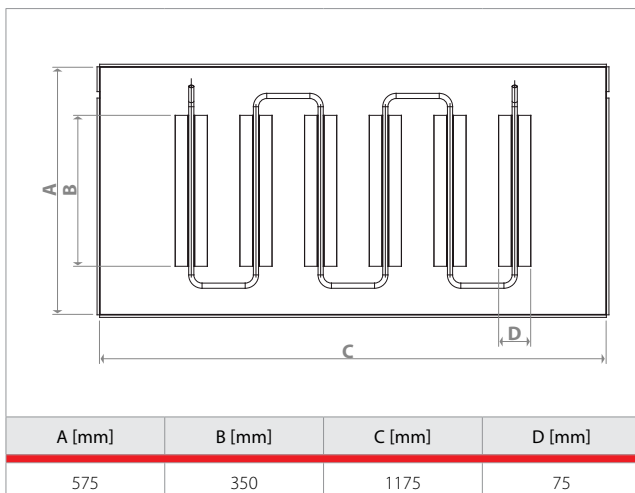


Warning.
The RS push fittings must be connected only with drawn or annealed copper pipes.



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

K12C

Galvanized and painted 6/10 steel active panel for installation on exposed T-shaped support structures with 24 mm base. Activation with six 75x350 mm anodized aluminium thermal diffusers. 12 mm copper coil pipe hydraulic circuit. Smooth or with micro-holes. Panels can be suspended by two wires fitted to the T-shaped support structure. Dimensions 575x1175 mm.

Additional information

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