

Unit Heaters

Planeck





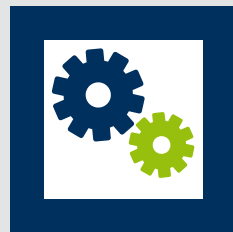
Unbeatable advantages



A view of the Planeck



Layout example



Controls



Technical Data



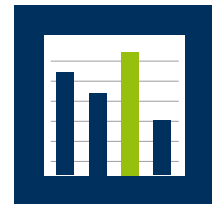
Dimensions



Benefits for you!

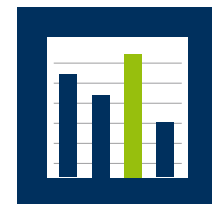


Planeck:
Ceiling cassettes for heating, cooling and ventilation.



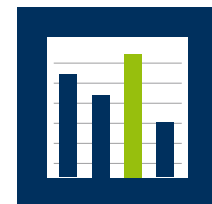
Unique: fresh mixed air!

Have you been looking in vain for a ceiling cassette with a real mixed air function? Design with Planeck and transform your ceiling into an active "climate" zone: wherever functionality, design and quiet operation are called for. 100 percent fresh air is possible.



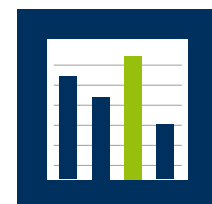
Simple installation/maintenance/cleaning

Planeck fits in seamlessly: ideal with ceiling heights of between 2,300 mm and 3,300 mm. The designer panel with integrated recirculating filter is hinged for simple maintenance and cleaning. It is simple to fit into the suspended ceiling - flanged on all sides. The 3-sided outlet also permits installation close to the wall.



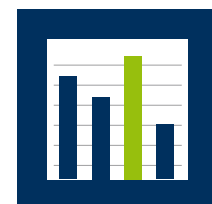
Continuously saving energy

Looking for energy-efficient technology? There's now something new available. The infinitely variable speed control ensures demand-led heating or cooling. CO₂-managed supply of fresh air is possible.



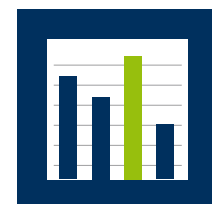
Chic and stylish: the designer panel

If you attach importance to good looks: the designer panel on the Planeck is very stylish yet unobtrusive. And what's more: it protrudes only 50 mm below the ceiling.



Variable and space-saving

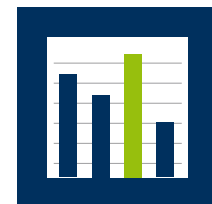
What does your project require? Recirculating mode? The Planeck heats or cools. Mixed-air operation? Planeck provides fresh air from outside or from a centralised ventilation system. Even when there is almost no space: the installation height is only 360 mm.

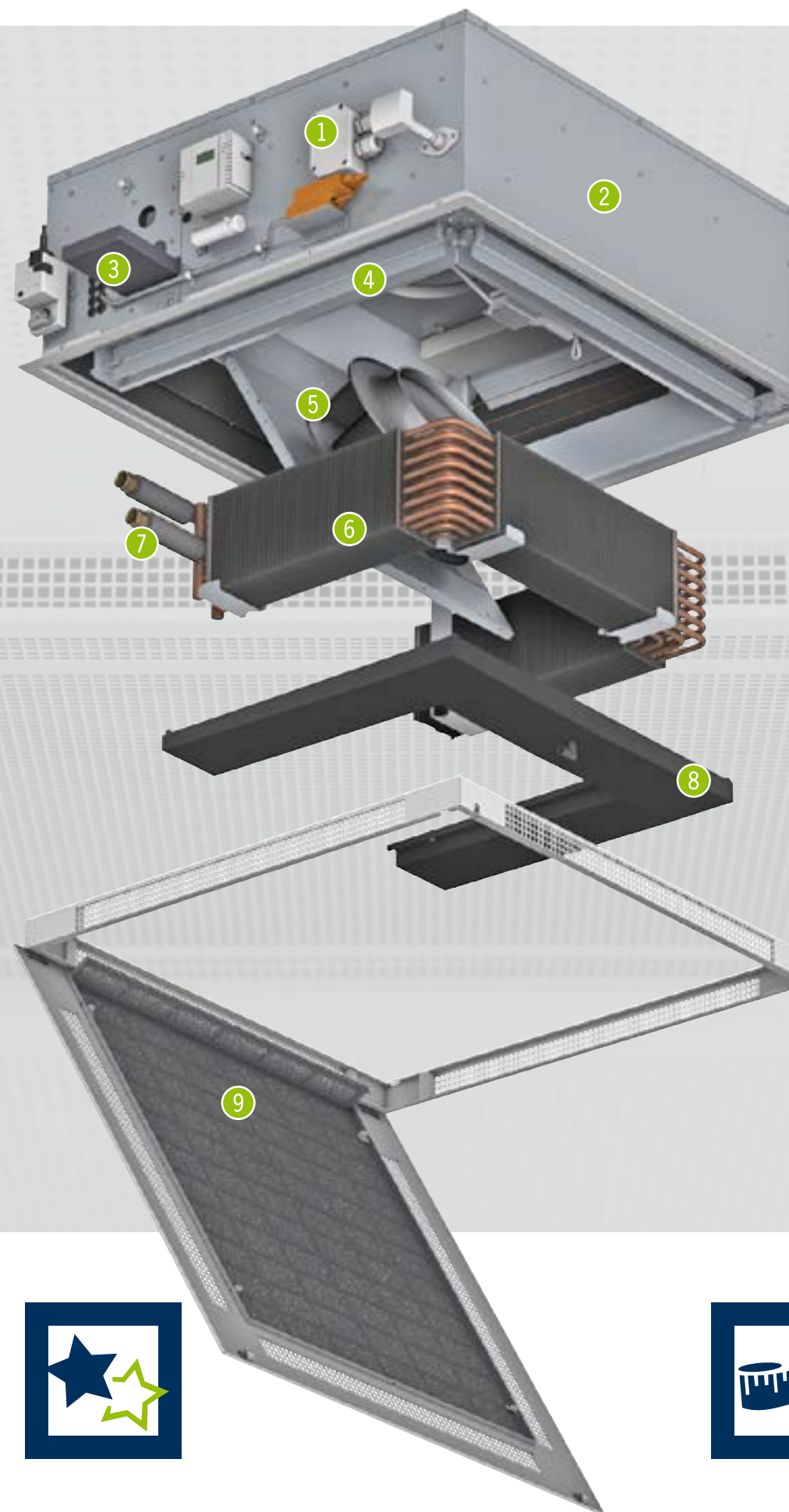


Combine ...

Equip a complete retail outlet: Fresh air Planeck for optimum supply of fresh air combined with recirculating air Planeck to meet the additional heating and cooling requirement. Centrally controlled, expanded by a roof extract fan.

And there's more ...

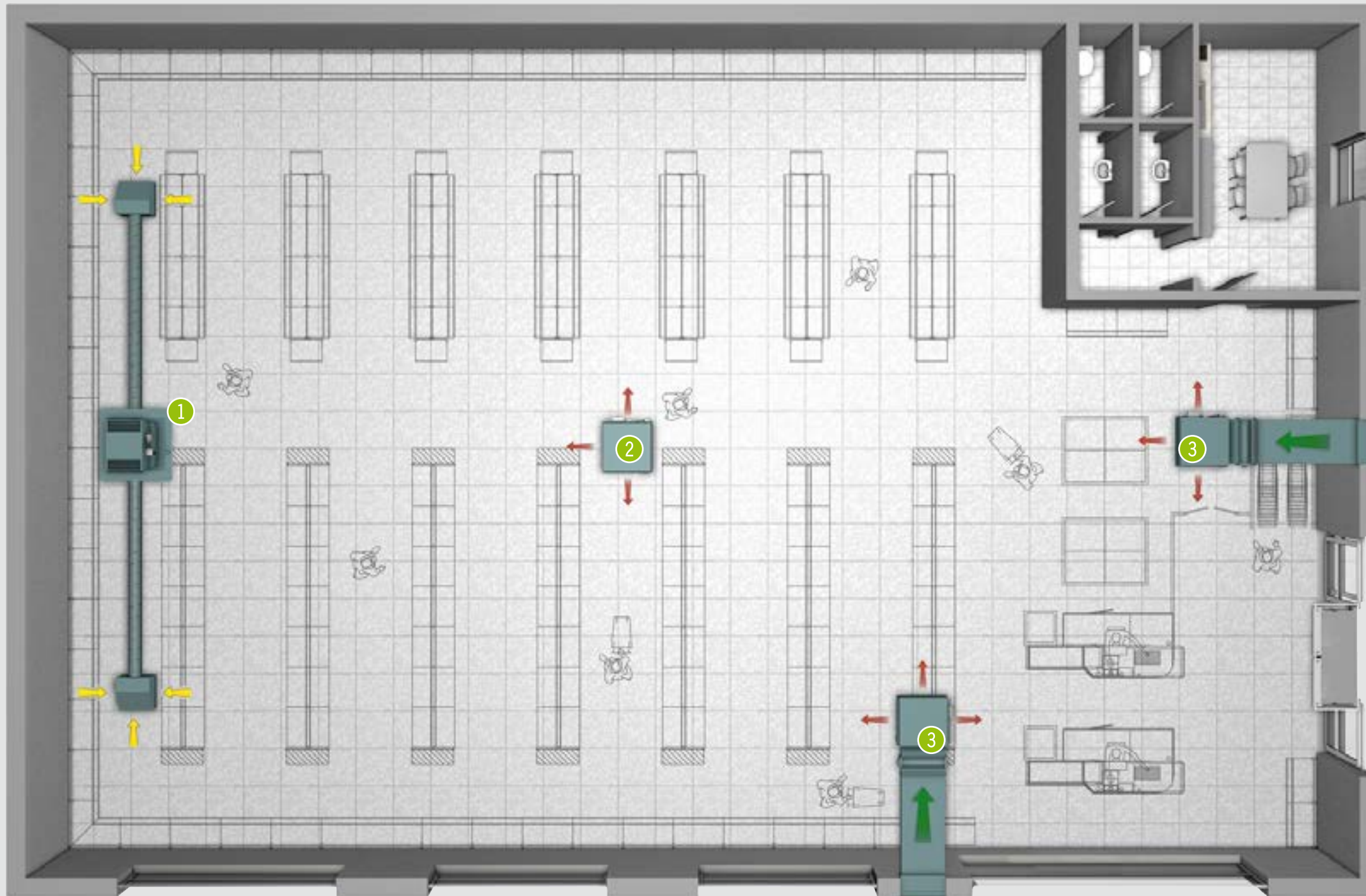




- ① Electrical connections
- ② Housing (in suspended ceiling)
- ③ Valve condensate tray (only with the cooling version)
- ④ Outlet louvre, lever-adjusted or optionally motorised
- ⑤ Radial fan
- ⑥ CU/AL heat exchanger
- ⑦ Heat exchanger connections
- ⑧ Condensate tray (only with the cooling version)
- ⑨ Designer panel with integrated recirculating filter G2

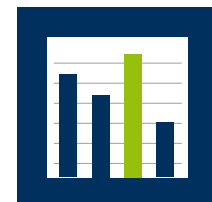
A view of the Planeck

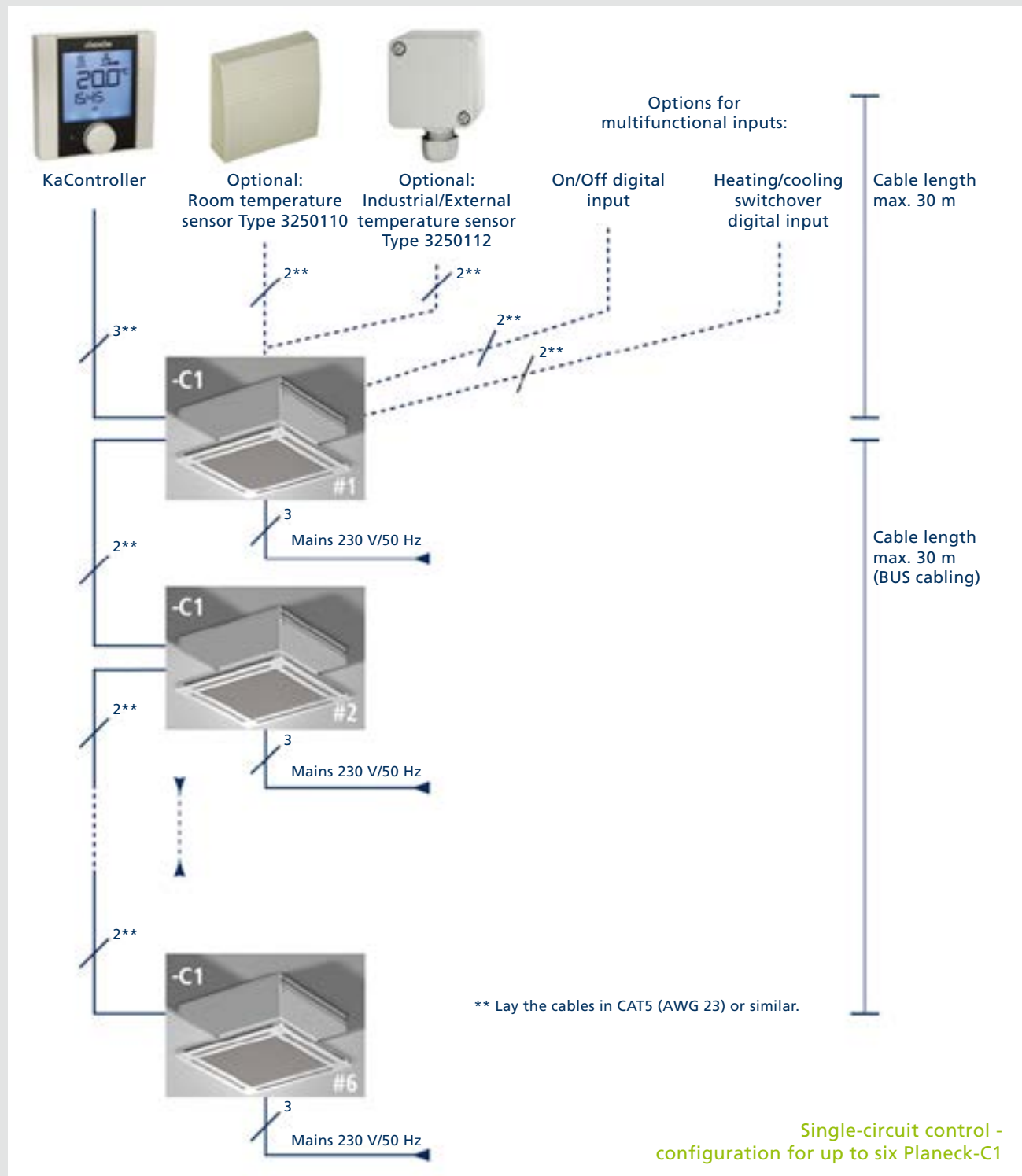




Layout example

- ① Extract air system
(ie. via Kampmann Roof extract fan)
- ② Recirculating air Planeck:
Meets supplementary heating and cooling requirements
- ③ Mixed air Planeck: Installation adjacent to exterior walls for optimal fresh air supply





KaControl- System efficiency

- ▶ KaControl technology factory-integrated for setting up entire networked systems based on the KaControl system
- ▶ Interfaces for BACnet* or as an optional plug-in assembly as Modbus building automation
- ▶ 0-10 V analogue input for controlling the fan and valve via a single data point
- ▶ Design room control unit with intuitive user navigation
- ▶ Integrated timer program

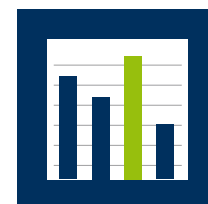
* Integrated web server



KaController with one touch operation



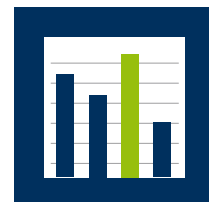
KaController with function keys

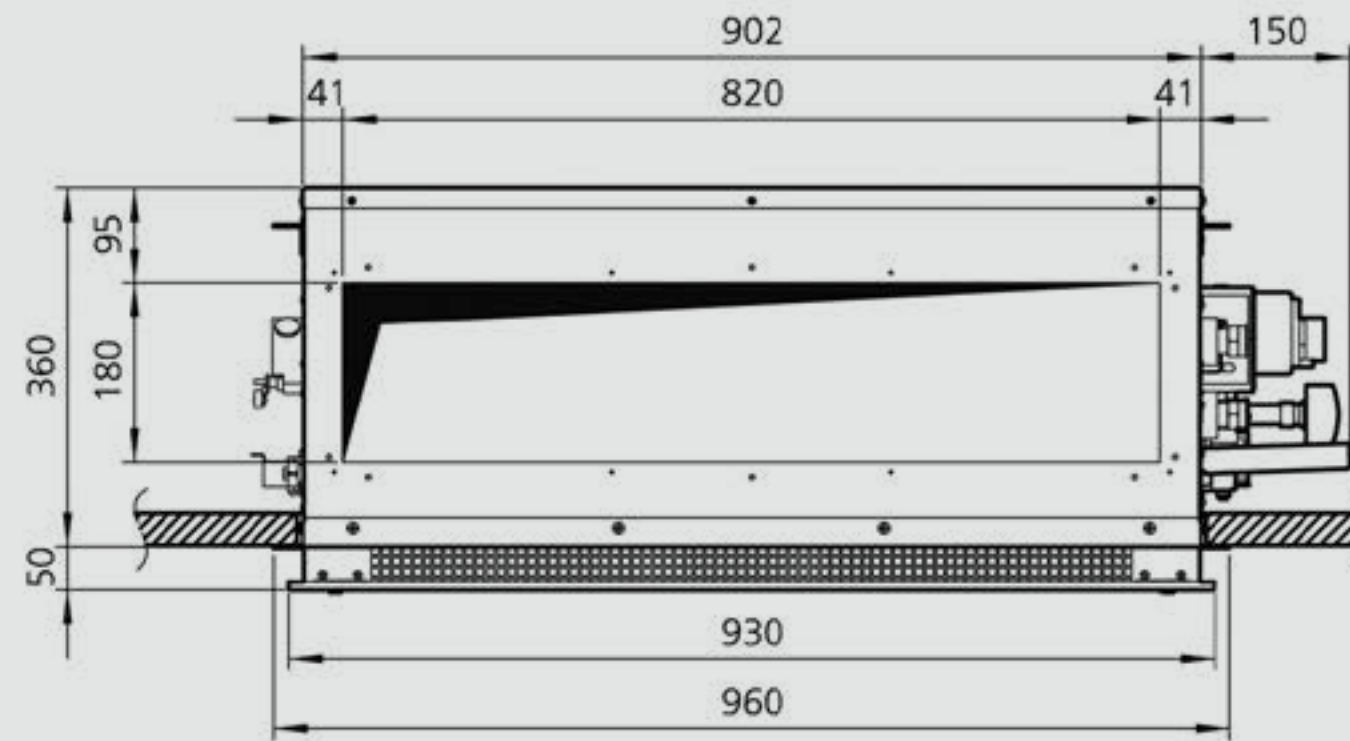
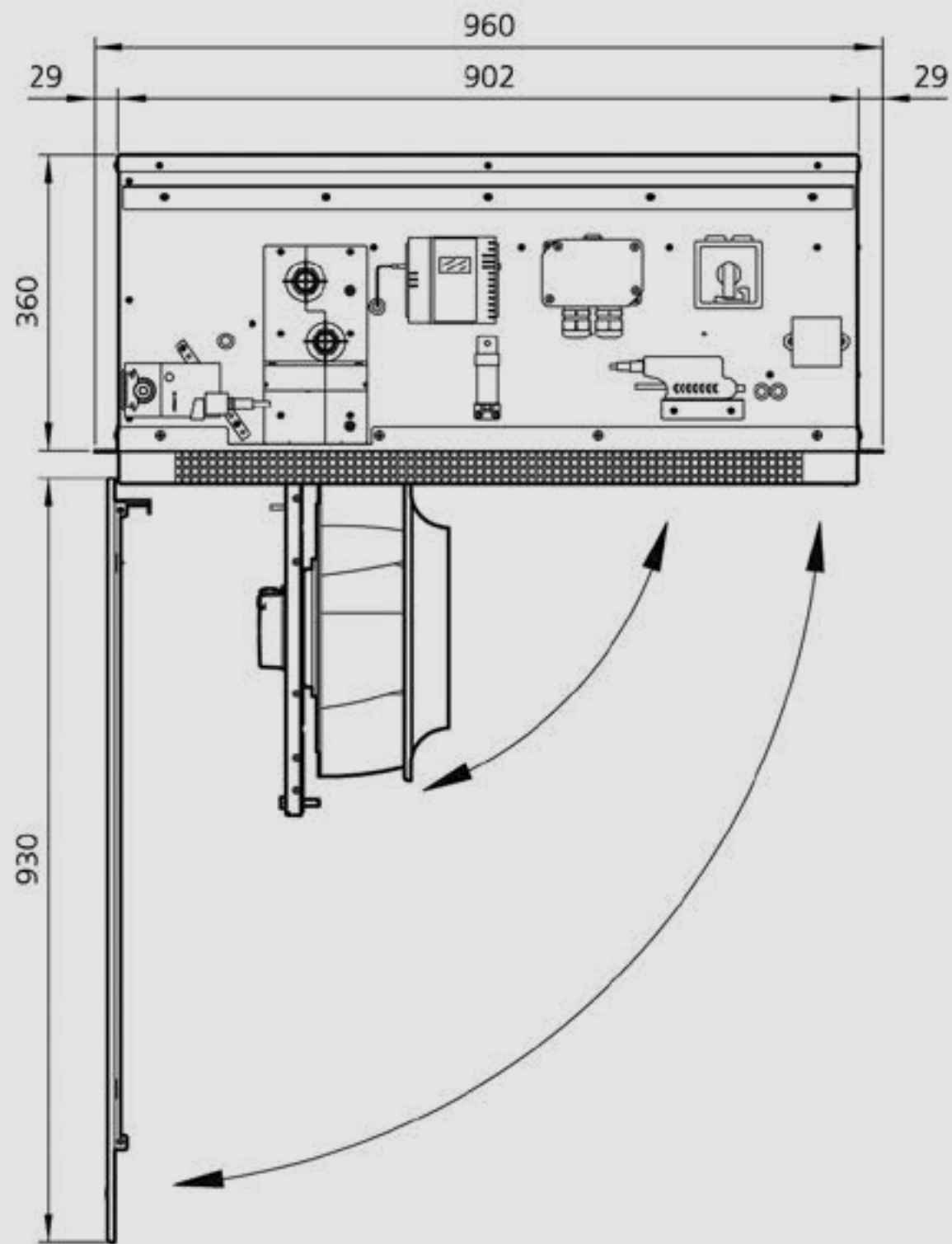


Technical Data

		Recirculating air	Mixed air
Basic unit	Type	794_ _110	794_ _410
Max. discharge height	[m]	2,3 - 3,3	2,3 - 3,3
Air volume	[m ³ /h]	850 - 1500	780 - 1500
External pressure	[Pa]	–	ca. 100
Sound pressure level (measured at a distance of 3 m)	[db(A)]	39 - 55	39 - 55
Heat output at LPHW 75/65/20 °C	[kW]	max. 18	max. 18
Heat output at LPHW 75/65/0 °C	[kW]	–	max. 26,5
Heat output with refrigerant R134a, Condensation temperature 43 °C, Air inlet temperature $t_{L1} = 20$ °C Entering air temperature $t_{L1} = 0$ °C	[kW]	max. 8	max. 8 max. 15,5
Cooling output* at CHW 10/16 °C, 28 °C/50 % rel. humidity	[kW]	max. 4,9	max. 4,9
Cooling output with refrigerant R134a, Evaporation temperature 14 °C, Entering air temperature 28 °C/50 % rel. humidity	[kW]	max. 3,7	max. 3,7
Electrical power consumption	[W]	140 - 240	275 - 350
Current uptake	[A]	max. 1,1	max. 1,6

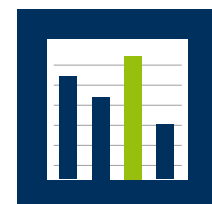
* Lower temperatures on request

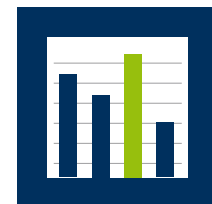




Dimensions

- ▶ Mixed air Planeck, water connection side and duct connection side





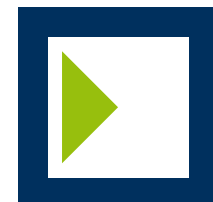
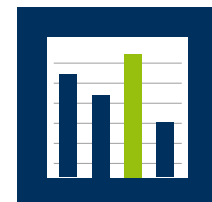
KAMPMAN
Genau mein Klima.

Benefits for you!

Kampmann offers you the following service benefits:

- ▶ On-site Consultation
- ▶ Design Support
- ▶ System Solutions
- ▶ Detailed Discussions
- ▶ Functional Inspections
- ▶ Programming
- ▶ Optimisation by Remote Monitoring
- ▶ After Sales Service

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