

**Cassette unit
model Comfort Circle**

Cassette unit: Comfort Circle

Happy customers and staff

A pleasant working or shopping environment is to a large degree determined by the indoor climate. If the indoor climate is not comfortable, this will soon be noticed by staff and customers. An agreeable temperature combined with fresh air will get customers in the mood. The Comfort Circle can be used for heating, cooling or ventilating shops and public buildings. This cassette unit from Biddle discharges comfortable warm or cooling fresh air into the room. The unit allows optimum control of the indoor climate, so customers will stay in your shop longer, thus increasing your sales. Also, your visitors will have a good feeling about their stay afterwards.



The Comfort Circle provides for an optimum indoor climate.

Beautiful and unobtrusive design

The unit is designed such that it is easy to integrate into a suspended tile ceiling. The Comfort Circle fits perfectly into a standard ceiling tile space, so that only the attractive discharge grille is within view.



Biddle cassette unit:

- Perfect fit into tile ceilings
- Heating, cooling and ventilation
- Ready for operation
- Fast delivery from stock
- Little maintenance
- Easy operation
- Biddle quality



Space-saving solution

Heating and cooling equipment is in most cases not allowed to restrict the existing space in shops, supermarkets and public buildings. The precious floor and wall areas must remain available for shelves, racks, displays and the like. As the cassette unit is designed for ceiling integration, the Comfort Circle meets this need. With its total height of 30 cm, the unit is easy to install above the ceiling.

Many options

The following models are available: heating, cooling, heating / cooling combination, and heating / ventilation combination. The combination of the heating and cooling functions into one single unit allows owners of shops, supermarkets and public buildings to reduce the number of required systems.

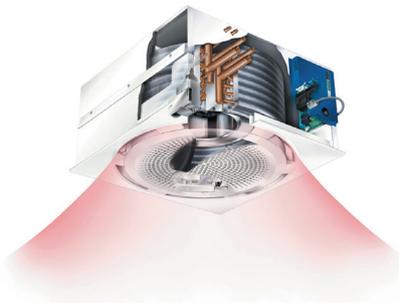


Fig. 1: Heating



Fig. 2: Cooling



The indoor climate is controlled automatically.

Low energy consumption and noise level

The Comfort Circle is based on a renewed discharge principle. The circular discharge pattern provides for excellent air distribution, with great downward penetration and great recirculation, even at low air velocities. When the unit is heating and recirculating, the air is both drawn in and blown out at the bottom of the unit. As a result, only the air in the space below the ceiling is heated. Both the low energy consumption and the low sound level are great strengths, making the Comfort Circle suitable for both shops and office-like environments.

Comfortable climate thanks to air distribution optimizer

The new discharge principle is based on a circular discharge grille that draws in air through the holes in the middle of the grille. Having been heated or cooled, the air is evenly discharged through the discharge openings in the grille's sides.

Units with the combination of heating/cooling feature a unique and patented ring in the discharge grille. This ring automatically turns to the optimum discharge angle needed for heating or cooling, thus maintaining proper downward penetration in either situation. Units with only the function heating or cooling have a fixed discharge angle. Hot air is blown out at an angle towards the floor (Fig. 1). To create an optimum climate without draught, cold air is blown out horizontally along the ceiling (Fig. 2). If fresh outside air is needed, Biddle's range also includes a ventilation unit.

Easy installation and little maintenance

Biddle cassette units can be mounted both before and after the installation of the tile ceiling. The adjustable suspension system allows the unit to be moved in all directions, and to position it exactly where you want it. By using flexible ducts, you can determine the position of fresh-air inlet connections yourself. All units are delivered ready for operation.

Ceiling tiles can stay in place during inspection and maintenance. The hinged grille panel at the bottom provides easy access to all components. The air filter is easy to vacuum clean. To clean the discharge grille, the entire panel can be taken out.

User-friendly control panel

The desired room temperature is regulated using an automatic temperature control. The user-friendly control panel (including standard thermostat and weekly timer) has a handy LCD display and easy-to-use controls.

Selection



The Comfort Circle is available in two different types:

- CC 60 of 60 x 60 x 30 cm
- CC 90 of 90 x 90 x 30 cm

One CC 60 can heat and/or cool an area of max. 100 m², while the CC 90 can handle an area of max. 200 m². Water is the heating medium. The unit is suitable for ceiling heights of 2.0 to 3.5 m.

In addition to recirculation, both types are also available as ventilation units. The ultimate choice of cassette unit will depend on different factors, such as the noise level requirement and the internal heat load (with cooling). For more information ask for and refer to the technical brochure.



Quality

The cassette units by Biddle are made up of high-quality components. Long life and optimum operation take centre stage in new product design. Each product leaving the factory is tested. To ensure that the cassette units are correctly installed, Biddle supplies them only through acknowledged installers.

Of course, you can always turn to Biddle for detailed information and expert advice. If you have any questions about indoor climate regulation and control, you can also contact Biddle. After all, we take pride in offering solutions that are geared to your specific conditions.



*Technical data available on request.
Subject to change.*

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