# FCLI

## Cassette Type Fan Coil Unit

- **Electric saving equal to 50% with respect to a fan coil with 3-speed motor**
- **Total comfort: reduced variations in temperature and relative humidity**
- **Standard internal three-way valve**
- **Version with 2-way valve for variable water flow rate systems**
- **Version without valves**




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### DESCRIPTION

4-way cassettes that can be installed in any type of 2- or 4-pipe system with any heat generator, even at low temperatures. Thanks to the selection of versions and configurations, it's easy to choose the best solution for every need.

### FEATURES

#### Intake grid and distribution of the air

The recovery and air diffusion grille has an elegant design. In plastic, RAL 9010. The dimensions of the first 5 sizes comply with the 600x600 mm modularity of false ceilings, whereas the larger sizes measuring 840x840 mm are designed for quiet operation and optimum performance of these large models.

#### Load-bearing structure

Models with a 600x600 mm module have a reinforced load-bearing structure with side panels in galvanised steel sheet, thermally insulated with internal polystyrene foam elements.
The structure of models with a 840x840 mm module is made entirely of galvanised steel sheet, thermally insulated with polyethylene foam on the inside and with an anti-condensate felt coating.

#### Ventilation group

Formed of a particularly quiet axial-centrifugal fan, statically and dynamically balanced.
The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.
The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.
This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.
The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).

#### Heat exchanger coil

Heat exchanger with shaped profile to increase the exchange surface, and easily accessible drain valves.
There are models with a single coil for 2-pipe systems, with the possibility to add an electric heater too, and models with two coils for 4-pipe systems.
There is the possibility to combine outside air with the inlet ambient air, and to distribute it in separate rooms.
The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

#### Condensate drip

Condensation drip tray in one piece, with V0 self-extinguishing level and overmoulding to insulation in expanded polystyrene with flame retardant additive.

#### Air filter

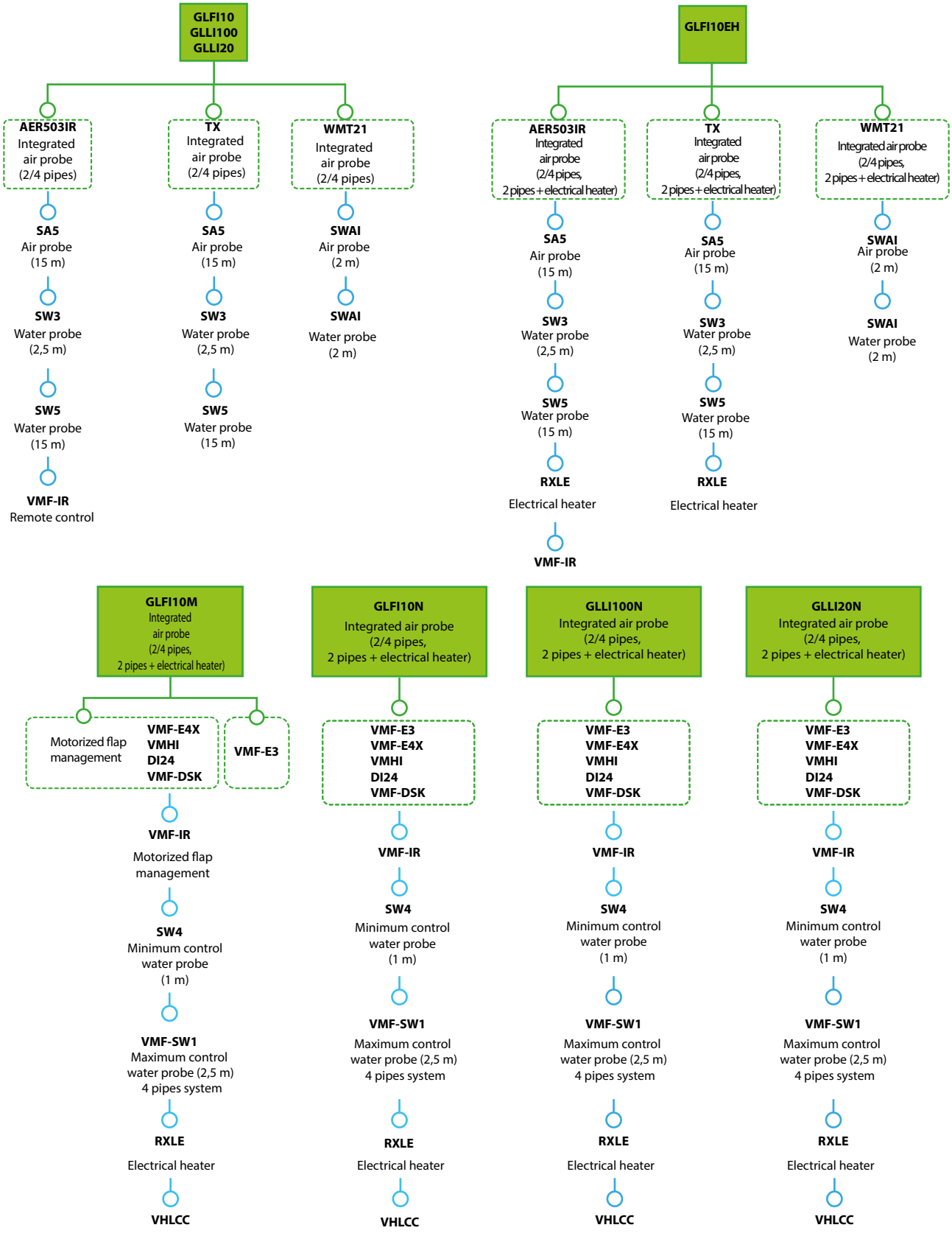
Air filter easily removed and cleaned, self-supporting structure, characterised by a high efficiency and low pressure drops, with class-V0 fire resistance (UL 94).

#### Versions

**FCLI** Standard
**V2** With internal 2-way valve
**VL** Without internal valve

## ACCESSORIES

### Accessories that can be combined with the grilles




**RXLE it can be installed only at the factory.**

## Intake grids and distribution of the air, compulsory accessory

**GLFI10:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated louvers. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

**GLFI10EH:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

**GLFI10M:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm adapts perfectly to standard false ceilings without overlapping parts. It is equipped with an infrared receiver with an emergency operation button, a thermostat card which also requires the installation of the VMF-E4 panel or the VMF-IR remote control. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be orientated with the remote control. (size 840x840 not available).

**GLFI10N:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4 or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. (size 800x800 mm not available).

**GLLI100:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. Must be combined with a wall-mounted panel.

**GLLI100EH:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits with manually orientated fins. Must be combined with a wall-mounted panel. (size 840x840 mm not available).

**GLLI100N:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 600x600 mm; adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4X panel as well, and suitable for use with the RXLE heater. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

**GLLI20:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated. Must be combined with a wall-mounted panel.

**GLLI20N:** Recovery and air supply grille in plastic, RAL 9010 colour, measuring 840x840 mm, adapts perfectly to standard false ceilings without overlapping parts. Fitted with a thermostat board that necessarily requires the installation of the VMF-E4X or VMF-IR panel as well. Intake is in the central part, where the easily removable air filter is housed. Delivery is via the perimeter slits that can be manually orientated.

## AerSuite

The AerSuite application is used to remotely control the DI24 user interface, with VMF-E19/VMF-E19I thermostats, using Smart Devices with iOS and Android operating systems.

This is an application for Smartphones and Tablets with which the user can access and control the system operation remotely.

For more information about the use of the application and the available functions, refer to the respective documentation on the website.




## VMF system

**DI24:** Flush-mounted interface (503 box) with 2.4" touch screen display to be combined with VMF-E19, VMF-E19I accessories. It allows you to regulate and monitor the temperature inside rooms precisely and on time; in addition to accessing and interacting with your system's operating information, parameters and alarms, it allows you to set time slots. Thanks to its Wi-Fi connection, DI24 in combination with the AerSuite APP (available for Android and iOS) can also be remotely controlled. All programming and most functions are done in a simple and intuitive way using the APP. To allow for customization of the interface so that it seamlessly integrates with the style of any home, DI24 is compatible with switch plates from major brands available on the market. For more information, please refer to our documentation. However, a switch plate with its graphite gray support, DI24CP, is also available as a separate accessory in our catalog.

**VMF-DSK:** User interface with an easy-to-read light display that provides clear information on room temperature, programming settings and more. Thanks to the ergonomic ring nut switch, adjusting the desired temperature is very easy. The knob allows precise and immediate adjustments, offering a classic but highly effective control mode. Not only functional, but also aesthetically pleasing. Our interface features a modern, compact design that fits perfectly in any environment, adding a touch of style to your home or office. It is available in white (VMF-DSK) and black (VMF-DSKD).

**VMF-E3:** Wall-mounted user interface, also controllable via VMF-IR control.

**VMF-E4DX:** Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

**VMF-E4X:** Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

**VMF-IR:** User interface compatible with AER503IR, VMF-E3 thermostat.

**VMF-SW:** Water probe (L = 2.5m) used if required in place of the standard unit supplied with the VMF-E19 and VMF-E19I thermostats for mounting it upstream of the valve.

**VMF-SW1:** Additional water probe (L = 2.5m) to be used if required for 4-pipe systems with the VMF-E19 and VMF-E19I thermostats for maximum control in the cold range

**VMHI:** The VMHI panel can be used as a user interface. What determines the function to be performed by the user interface is determined by its correct parametrisation and by following the electrical connections between interface and thermostat or interface and plenum.

## Control panels and their accessories

**AER503IR:** Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

**SA5:** air probe kit (L = 15 m) with probe-locking cable grommet.

**SW3:** Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

**SW4:** Water temperature probe allowing automatic season change on electronic controllers supplied with water-side change over.

**SW5:** water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

**SWAI:** External air or water temperature probe.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors for 2/4 pipe. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric

heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).
**WMT21:** Electronic thermostat for inverter fancoils.

### Electric heaters

**RXLE:** Electric heater for heating, can be installed on board the units.
**RXLE20:** Electric heater for heating, can be installed on board the units.

### Water valve kit

**VCFLX4:** 3-way valve kit for single-coil fan coil for 4-pipe systems. With totally separate "heating" and "cooling" circuits. This kit consists of two 3-way insulated valves and four connections, complete with electrothermal actuators, insulating shells for the valves, and the relative hydraulic couplings.
**VHL1:** 3-way motorised valve kit with 4 connections including the actuator. 230V~50Hz power supply.
**VHL124:** 3-way motorised valve kit with 4 connections including the actuator. 24V power supply.
**VHL20:** Motorised 3-way valve kit with 4 connections, complete with actuator and the relative hydraulic couplings. 230V~50Hz power supply.
**VHL2024:** Motorised 3-way valve kit with 4 connections, complete with actuator and the relative hydraulic couplings. 24V power supply.
**VHL2:** 2-way motorised valve kit with 2 connections including the actuator. Power supply 230V~50Hz;
**VHL22:** Motorised 2-way valve kit with 2 connections, complete with actuator and the relative hydraulic couplings. Power supply 230V~50Hz;
**VHL2224:** Motorised 2-way valve kit with 2 connections, complete with actuator and the relative hydraulic couplings. 24V power supply.
**VHL224:** 2-way motorised valve kit with 2 connections including the actuator. 24V power supply.

### Installation accessories

**KFL:** Delivery flange, allowing the air to be directed to an adjacent room.
**KFL20:** Delivery flange, allowing the air to be directed to an adjacent room. Up to three KFL20 can be assembled on a single unit.
**KFLD:** Suction flange, allows to introduce external air directly into the room without mixing.
**KFLD20:** Suction flange, allows to introduce external air directly into the room without mixing. Up to two KFL20D can be assembled on a single unit.
**FCLMC10:** Perimeter housing in painted galvanised sheet metal, 600x600 mm, used when the fan coil is installed outside the false ceiling. It has an aesthetic and protective purpose only, so the technical characteristics of the fan coil remain unaltered. Can only be combined with GLL/GLLI grilles.
**FCLMC20:** Perimeter housing in painted sheet metal, 840x840 mm, used when the fan coil is installed outside the false ceiling. It has an aesthetic and protective purpose only, so the technical characteristics of the fan coil remain unaltered. Can only be combined with GLL/GLLI grilles.
**FCLMC20IK:** Installation kit for the inverter controller. Mandatory for units with FCLMC20.
**VHLCC:** A plug-and-play connection kit designed to interface third-party valve actuators with the control box.

## ACCESSORIES COMPATIBILITY

**Intake grids and distribution of the air**

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| GLFI10 (1) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| GLFI10EH (2) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| GLFI10M (3) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| GLFI10N (3) | FCLI,V2,VL | • | • | • | • | • | • | | | |

(1) Not compatible with the VMF system and electric heaters.
(2) Not compatible with the VMF system, but compatible with electric heaters.
(3) Compatible with the VMF system and electric heaters.

**Intake grid and distribution of the air**

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| GLLI100 (1) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| GLLI100EH (2) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| GLLI100N (3) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| GLLI20 (1) | FCLI,V2,VL | | | | | | | • | • | • |
| GLLI20N (4) | FCLI,V2,VL | | | | | | | • | • | • |

(1) Not compatible with the VMF system and electric heaters.
(2) Not compatible with the VMF system, but compatible with electric heaters.
(3) Compatible with the VMF system and electric heaters.
(4) Compatibility with VMF system.

**VMF system**

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| DI24 | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-DSK | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-E3 | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-E4DX | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-E4X | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-IR | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-SW | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMF-SW1 | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| VMHI | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |

**Control panels and dedicated accessories**

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| AER503IR (1) | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| SA5 (2) | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| SW3 (2) | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| SW4 | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| SW5 (2) | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| SWAI (3) | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| TX (4) | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |
| WMT21 | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |

(1) Wall-mount installation.
(2) Probe for AER503IR-TX thermostats, if fitted.
(3) Probe for thermostat WMT21.
(4) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

### 3 way valve kit

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| VHL1 (1) | VL | | • | | • | | • | | | |
| VHL124 (1) | VL | | • | | • | | • | | | |
| VHL20 (1) | VL | | | | | | | | | • |
| VHL2024 (1) | VL | | | | | | | | | • |

(1) Obligatory accessory in 4-pipe systems.

### 2 way valve kit

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| VHL2 (1) | VL | | • | | • | | • | | | |
| VHL22 (1) | VL | | | | | | | | | • |
| VHL2224 (1) | VL | | | | | | | | | • |
| VHL224 (1) | VL | | • | | • | | • | | | |

(1) Compulsory accessory in 4-pipe systems with variable flow rate.

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| VCFLX4 (1) | VL | • | | • | | • | | | | |

(1) The valve must be commanded via command panels enabled for valve control.

### Third-party valve connection kit

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| VHLCC | FCLI,V2,VL | • | • | • | • | • | • | • | • | • |

### Delivery and suction flange

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| KFL | FCLI,V2,VL | • | • | • | • | • | • | | | |
| KFL20 | FCLI,V2,VL | | | | | | | • | • | • |
| KFLD | FCLI,V2,VL | • | • | • | • | • | • | | | |
| KFLD20 | FCLI,V2,VL | | | | | | | • | • | • |

### Perimeter case

| Model | Ver | 32 | 34 | 42 | 44 | 62 | 64 | 82 | 122 | 124 |
|---|---|---|---|---|---|---|---|---|---|---|
| FCLMC10 (1) | FCLI,V2,VL | • | • | • | • | • | • | | | |
| FCLMC20 (1) | FCLI,V2,VL | | | | | | | • | • | • |
| FCLMC20IK (2) | FCLI,V2,VL | | | | | | | • | • | • |

(1) Can only be combined with GLL/GLLI grilles
(2) Mandatory for units with FCLMC20.

## PERFORMANCE SPECIFICATIONS

**2-pipe**

| | | FCLI32 | | | FCLI42 | | | FCLI62 | | | FCLI82 | | | FCLI122 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 1 | 2 | 4 | 1 | 2 | 4 | 1 | 2 | 4 | 1 | 2 | 4 |
| | | L | M | H | L | M | H | L | M | H | L | M | H | L | M | H |
| **Heating performance 70 °C / 60 °C (1)** | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 2,22 | 2,95 | 4,00 | 3,32 | 4,47 | 7,34 | 5,19 | 6,37 | 10,49 | 5,88 | 8,12 | 11,88 | 10,53 | 14,73 | 21,75 |
| Water flow rate system side | l/h | 194 | 258 | 350 | 290 | 391 | 642 | 454 | 558 | 918 | 514 | 710 | 1.039 | 921 | 1.289 | 1.903 |
| Pressure drop system side | kPa | 4 | 6 | 10 | 6 | 10 | 24 | 12 | 17 | 42 | 7 | 13 | 26 | 11 | 21 | 42 |
| **Heating performance 45 °C / 40 °C (2)** | | | | | | | | | | | | | | | | |
| Heating capacity | kW | 1,10 | 1,47 | 1,98 | 1,67 | 2,21 | 3,64 | 2,58 | 3,21 | 5,21 | 2,94 | 4,05 | 5,90 | 5,28 | 7,37 | 10,80 |
| Water flow rate system side | l/h | 192 | 254 | 345 | 287 | 386 | 633 | 448 | 550 | 905 | 507 | 701 | 1.025 | 909 | 1.271 | 1.877 |
| Pressure drop system side | kPa | 4 | 6 | 11 | 5 | 9 | 21 | 10 | 17 | 41 | 7 | 13 | 23 | 12 | 21 | 41 |
| **Cooling performance 7 °C / 12 °C (3)** | | | | | | | | | | | | | | | | |
| Cooling capacity | kW | 1,15 | 1,46 | 1,88 | 1,95 | 2,52 | 3,90 | 2,65 | 3,19 | 4,92 | 2,79 | 4,04 | 5,97 | 5,34 | 7,47 | 10,87 |
| Sensible cooling capacity | kW | 0,98 | 1,24 | 1,50 | 1,37 | 1,80 | 3,11 | 1,85 | 2,25 | 3,75 | 1,89 | 2,76 | 4,17 | 4,02 | 5,70 | 8,34 |
| Water flow rate system side | l/h | 200 | 253 | 327 | 337 | 437 | 679 | 458 | 551 | 856 | 482 | 695 | 1.032 | 921 | 1.292 | 1.893 |
| Pressure drop system side | kPa | 4 | 4 | 13 | 7 | 11 | 25 | 12 | 16 | 36 | 7 | 12 | 28 | 10 | 19 | 38 |
| **Fan** | | | | | | | | | | | | | | | | |
| Type | type | Centrifugal | | | Centrifugal | | | Centrifugal | | | Centrifugal | | | Centrifugal | | |
| Fan motor | type | Inverter | | | Inverter | | | Inverter | | | Inverter | | | Inverter | | |
| Number | no. | 1 | | | 1 | | | 1 | | | 1 | | | 1 | | |
| Air flow rate | $m^3/h$ | 300 | 410 | 600 | 260 | 360 | 700 | 380 | 500 | 880 | 460 | 680 | 1100 | 750 | 1100 | 1750 |
| Input power | W | 10 | 13 | 18 | 12 | 16 | 55 | 14 | 20 | 61 | 10 | 14 | 33 | 16 | 33 | 135 |
| Signal 0-10V | % | 42 | 62 | 90 | 34 | 46 | 90 | 40 | 52 | 90 | 38 | 54 | 90 | 38 | 54 | 90 |
| **Cassettes sound data (4)** | | | | | | | | | | | | | | | | |
| Sound power level (5) | dB(A) | 35,0 | 38,0 | 46,0 | 35,0 | 38,0 | 53,0 | 41,0 | 47,0 | 61,0 | 39,0 | 43,0 | 50,0 | 44,0 | 50,0 | 60,0 |
| Sound pressure level (6) | dB(A) | 26,0 | 29,0 | 37,0 | 26,0 | 30,0 | 44,0 | 32,0 | 38,0 | 52,0 | 30,0 | 34,0 | 41,0 | 35,0 | 41,0 | 51,0 |
| **Diametre hydraulic fittings** | | | | | | | | | | | | | | | | |
| Main heat exchanger | Ø | 3/4" | | | 3/4" | | | 3/4" | | | 3/4" | | | 3/4" | | |
| Secondary heat exchanger | Ø | - | | | - | | | - | | | - | | | - | | |
| **Power supply** | | | | | | | | | | | | | | | | |
| Power supply | V/Ph/Hz | 230V~50Hz | | | 230V~50Hz | | | 230V~50Hz | | | 230V~50Hz | | | 230V~50Hz | | |

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT (listing FCU AERMEC 2025)
(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT (listing FCU AERMEC 2025)
(4) For the cassettes, Aermec determines the value of the sound power on the basis of measurements carried out in accordance with the standard UNI EN 16583:15, in observance of the EUROVENT certification and the level of sound pressure (weighed A) measured in an environment with volume V=100m3, reverberation time t=0.5s direction factor Q=2; distance r=2.5m.
(5) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.
(6) Sound pressure (weighed A) measured in an environment with volume V=100m3, reverberation time t=0.5s direction factor Q=2; distance r=2.5m.

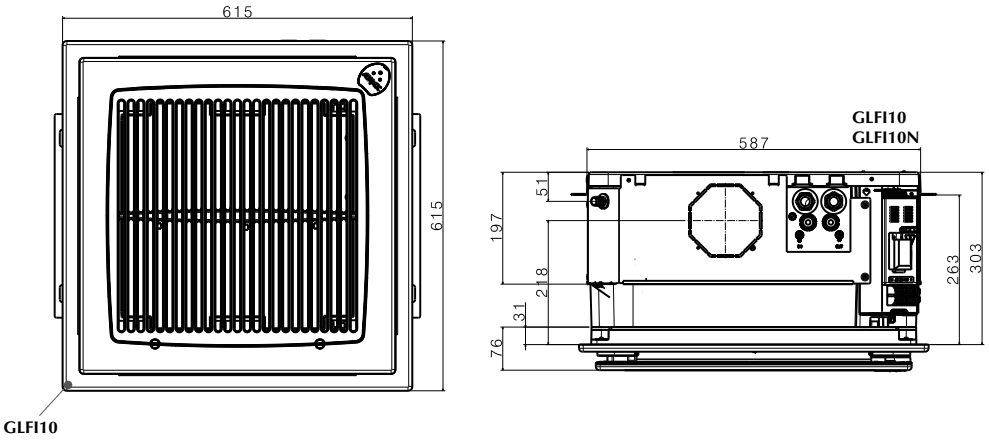
**4-pipe**

| | | FCLI34 | | | FCLI44 | | | FCLI64 | | | FCLI124 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 4 | 1 | 2 | 4 |
| | | L | M | H | L | M | H | L | M | H | L | M | H |
| **Heating performance 65 °C / 55 °C (1)** | | | | | | | | | | | | | |
| Heating capacity | kW | 1,70 | 1,97 | 2,32 | 1,70 | 2,02 | 2,74 | 2,05 | 2,76 | 3,14 | 6,46 | 8,30 | 11,10 |
| Water flow rate system side | l/h | 152 | 171 | 203 | 153 | 178 | 240 | 194 | 219 | 279 | 551 | 727 | 977 |
| Pressure drop system side | kPa | 5 | 7 | 9 | 6 | 7 | 12 | 9 | 11 | 19 | 10 | 15 | 25 |
| **Cooling performance 7 °C / 12 °C (2)** | | | | | | | | | | | | | |
| Cooling capacity | kW | 1,15 | 1,46 | 1,88 | 1,80 | 2,32 | 3,59 | 2,29 | 2,76 | 4,25 | 4,55 | 6,19 | 8,67 |
| Sensible cooling capacity | kW | 0,98 | 1,24 | 1,50 | 1,26 | 1,66 | 2,87 | 1,59 | 1,93 | 3,22 | 3,35 | 4,64 | 6,64 |
| Water flow rate system side | l/h | 200 | 253 | 327 | 314 | 396 | 626 | 424 | 510 | 793 | 786 | 1.068 | 1.513 |
| Pressure drop system side | kPa | 4 | 7 | 10 | 6 | 10 | 23 | 16 | 23 | 50 | 10 | 20 | 38 |
| **Fan** | | | | | | | | | | | | | |
| Type | type | Centrifugal | | | | | | | | | | | |
| Fan motor | type | Inverter | | | | | | | | | | | |
| Number | no. | 1 | | | 1 | | | 1 | | | 1 | | |
| Air flow rate | $m^3/h$ | 300 | 410 | 600 | 260 | 360 | 700 | 380 | 500 | 880 | 750 | 1100 | 1750 |
| Input power | W | 10 | 13 | 18 | 12 | 16 | 55 | 14 | 20 | 61 | 16 | 33 | 135 |
| Signal 0-10V | % | 42 | 62 | 90 | 34 | 46 | 90 | 40 | 52 | 90 | 38 | 58 | 90 |
| **Cassettes sound data (3)** | | | | | | | | | | | | | |
| Sound power level (4) | dB(A) | 35,0 | 38,0 | 46,0 | 35,0 | 39,0 | 53,0 | 41,0 | 47,0 | 61,0 | 44,0 | 52,0 | 60,0 |
| Sound pressure level (5) | dB(A) | 26,0 | 29,0 | 37,0 | 26,0 | 30,0 | 44,0 | 32,0 | 38,0 | 52,0 | 35,0 | 41,0 | 51,0 |
| **Diametre hydraulic fittings** | | | | | | | | | | | | | |
| Main heat exchanger | Ø | 3/4" | | | | | | | | | | | |
| Secondary heat exchanger | Ø | 1/2" | | | | | | | | | | | |
| **Power supply** | | | | | | | | | | | | | |
| Power supply | V/Ph/Hz | 230V~50Hz | | | | | | | | | | | |

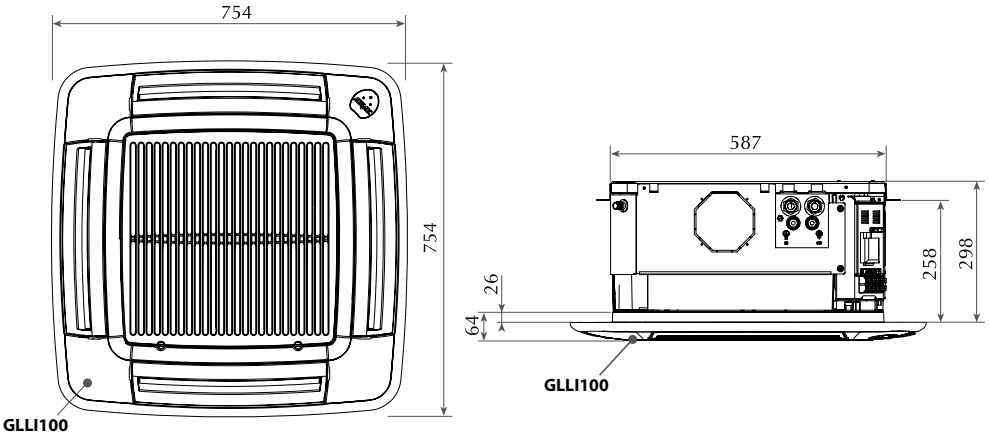
(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT (listing FCU AERMEC 2025)
(2) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT (listing FCU AERMEC 2025)
(3) For the cassettes, Aermec determines the value of the sound power on the basis of measurements carried out in accordance with the standard UNI EN 16583:15, in observance of the EUROVENT certification and the level of sound pressure (weighed A) measured in an environment with volume V=100m3, reverberation time t=0.5s direction factor Q=2; distance r=2.5m.
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.
(5) Sound pressure (weighed A) measured in an environment with volume V=100m3, reverberation time t=0.5s direction factor Q=2; distance r=2.5m.

## DIMENSIONS

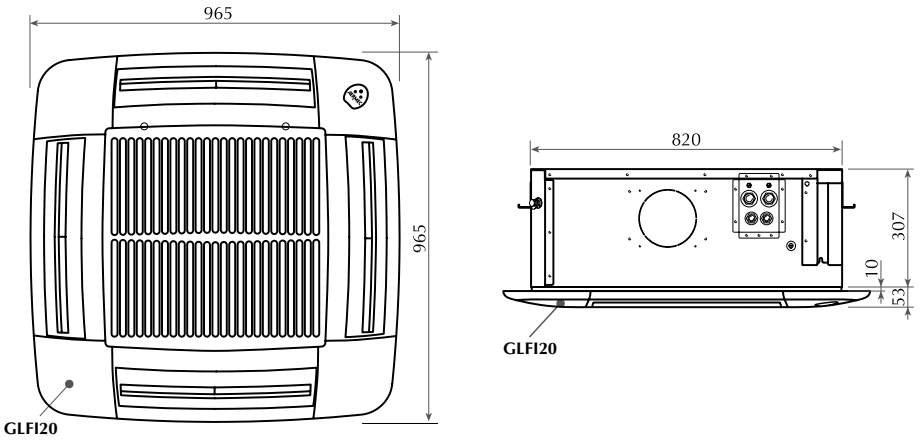
**Dimensions FCLI 32 - 34 - 42 - 44 - 62 - 64 con GLFI**




**Dimensions FCLI 32 - 34 - 42 - 44 - 62 - 64 con GLLI**




**Dimensions FCLI 82 - 122 - 124 con GLLI**




| Size | | | 122 | 124 | 32 | 34 | 42 | 44 | 62 | 64 | 82 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dimensions and weights** | | | | | | | | | | | |
| Empty weight | FCLI | kg | 36 | 36 | 21 | 21 | 22 | 21 | 22 | 23 | 35 |
| | V2 | kg | 36 | 36 | 21 | 21 | 21 | 21 | 22 | 23 | 35 |
| | VL | kg | 35 | 35 | 20 | 21 | 20 | 21 | 22 | 22 | 34 |

Aermec reserves the right to make any modifications deemed necessary. All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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