

FCL

Cassette type fancoil Ceiling and false ceiling installation, cooling power from 1900 up to 11000W

Models:
FCL 32 , FCL36 , FCL42 , FCL62 - FCL72
FCL 34 , FCL38 , FCL44 , FCL64

Models:
FCL 82 , FCL102 , FCL122
FCL 84 , FCL104 , FCL124



Aermec participate in the EUROVENT program: FCH the products are present on the site www.eurovent-certification.com



VMF

GLL10 - GLL10M - GLL10R - GLL10N
White: RAL 9010

GLL20 - GLL20R - GLL20N
White: RAL 9010

FCL with accessory FCLMC



FCLMC
White: RAL 9010



Remote Control included for GLL10M
GLL10R - GLL20R

- **4 CONFIGURATIONS ON ONE CASSETTE-TYPE FAN COIL:**
 - WITH MOTORISED LOUVERS THAT CAN BE ORIENTED VIA THE REMOTE CONTROL (GLL10M ONLY)
 - WITH LOUVERS THAT CAN BE ORIENTED MANUALLY, REMOTE CONTROL
 - WITH LOUVERS THAT CAN BE ORIENTED MANUALLY, WALL-MOUNTED CONTROL PANEL
 - WITH MANUALLY ADJUSTABLE FINS, VMF SYSTEM ELECTRONIC THERMOSTAT, WALL-MOUNTED CONTROL PANEL (VMF-E4), COMPLETE INTEGRATION WITH THE VMF SYSTEM (ONLY WITH GLL10M AND GLL20M)
- STANDARD INTERNAL 3-WAY VALVE, WITH FAST CONNECTION ACTUATOR AND VISUAL POSITION SIGNALLING
- VERSION WITH 2-WAY VALVE FOR VARIABLE WATER FLOW RATE SYSTEMS
- VERSION WITHOUT VALVES
- HEAT EXCHANGE COIL WITH SHAPED PROFILE AND ENHANCED SURFACE
- FAN PURPOSELY DESIGNED FOR LOW SOUND EMISSIONS
- VERSIONS FOR 2-PIPE AND 4-PIPE SYSTEMS
- ALSO AVAILABLE WITH ELECTRIC HEATER FOR HEATING

Features

- 8 sizes for 2-pipe versions:
FCL 32-36-42-62-72-82-102-122
- 7 sizes for 4-pipe versions:
FCL 34-38-44-64-84-104-124
- Standard preparation with standard internal three-way valve, with fast connection actuator and position visual signalling.
- FCL_V2 preparation (available upon request), with internal two-way valve, suitable for variable water flow rate systems.
- FCL_VL preparation (available upon request), without internal valve.
- 3 configurations on one cassette-type fan coil:
 - louvers that can be oriented by means of a remote control and electronic control if coupled with the accessory GLL10M;
 - with remote control, louvers that can be oriented manually and by means of electronic control if coupled with the accessory GLL10R or GLL20R;
 - with louvers that can be oriented manually if coupled with the accessory GLL10 or GLL20, also requires a wired control panel (accessory).
- High design aesthetics.
- Grille dimensions perfectly integrable in standard suspended ceiling panels of 600x600mm and 840x840mm for the most powerful units.
- Fan designed for low sound emissions.
- 3-speed and 4-speed mixed flow (axial + centrifugal) fan unit for larger sizes (FCL 42-44-62-64-72-82-84-102-104-122-124), in order to select the 3 speeds that best meet delivered power and quiet operation requirements.
- The load-bearing structure, reinforced with a galvanised steel side band, contains insulation elements in expanded polystyrene obtained from injection moulding for purposes of noise reduction and air routing (FCL 42-44-62-72-64).
- Structure made entirely of galvanised steel, containing insulation elements in closed cell expanded polystyrene and externally covered with anti-condensate felt (FCL 82-84-102-104-122-124).
- Condensation drip tray in one piece, with V0 self-extinguishing level and overmoulding to insulation in expanded polystyrene with flame retardant additive.
- Heat exchanger with shaped profile to increase the exchange surface, and easily accessible drain valves.
- Continuous fan operation to prevent stratification of room air.
- Possibility of direct release of external air regardless of indoor unit ventilation.
- Possibility to control the climate of adjacent rooms as well. The versions FCL 82-84-102-104-122-124 allow 3-direction delivery.
- 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).
- Electrostatically pre-charged air filter regenerated with fire resistance class 2 (UL 900), (FEL 10 accessory for GLL10, GLL10R, GLL10M).
- Full compliance with safety regulations.
- Easy installation and maintenance.

Accessories

Compulsory GLL accessories, essential for unit operation:

- **GLL10M (600x600)**
Delivery grille with adjustable louvers by means of a remote control and air intake, supplied with an infrared receiver with emergency operation switch. White RAL 9010.
- **GLL10R (600x600)**
GLL20R (840x840)
Delivery grille with louvers manually adjustable and air intake. With remote control, supplied with an infrared receiver with emergency operation switch. White RAL 9010.
- **GLL10 (600x600)**
GLL20 (840x840)
Delivery grille with louvers manually adjustable and air intake. Combined with wall-mounted control panel. White RAL 9010.
- **GLL10N (600x600)**
GLL20N (840x840)
Delivery grille with Manually adjustable fins and air intake, with "VMF System" advanced electronic thermostat. Individual units, or network master also requires a wired control panel (VMF-E4 compulsory accessory). White RAL 9010.
- **Control panels and VMF System:** the characteristics are described on the appropriate card.

Accessories:

- **FCLMC10**
FCLMC20
is a perimeter case in galvanised and painted sheet steel, which is used when the fan coil is installed outside the suspended ceiling. It is used for aesthetics and protection, therefore the technical features of the FCL and FCL1 remain unvaried.
- **FEL10** : kit n°5 electrostatically pre-charged air filter, with fire resistance class 2 (UL 900).
- **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.
- **RXLE - RXLE20** : electric heater for heating, can be installed on the single-fan FCL units. Requires GLL-M or GLL-R.
- **SIT 3-5** : Thermostat Interface Cards. They allow the creation of a network of fan coils (max. 6) commanded by a central control panel (selector or thermostat).
SIT3 : commands the 3 fan speeds and must

be installed on each fan coil of the network; receives the commands from the selector or the SIT5 card.

SIT5: commands the 3 fan speeds and up to 2 valves (four pipes systems); transmits the thermostat commands to the network of fan coils fitted with SIT3.

- **SW3** : Minimum water temperature probe, to be used with electronic PXAE thermostats.
- **SW4** : Minimum water temperature probe, to be used with the units fitted with a grille with remote control. Compulsory with GLL_M, GLL_R, GLL_N
- **SWA** : External SWA probe accessory for FMT21 panels. Detects the ambient air temperature if connected to the connector (A); the probe in the panel will be automatically disabled. Detects the temperature of the water in the system, for ventilation consent, if connected to the connector (W) (Length L = 6m)
- **VHL1 - VHL20** : motor-driven three-way valve for the heating battery in 4-pipe systems. Obligatory accessory in 4-pipe systems.
- **VHL2 - VHL22** : motor-driven two-way valve for the heating battery in 4-pipe systems. Obligatory accessory in 4-pipe systems with variable flow rates.

Mod. FCL		32	34	36	38	42	44	62	64	72	82	84	102	104	122	124
GLL10		•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
GLL10M	(1)	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
GLL10R	(1)	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
GLL10N	(1)	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
GLL20		-	-	-	-	-	-	-	-	-	•	•	•	•	•	•
GLL20R	(1)	-	-	-	-	-	-	-	-	-	•	•	•	•	•	•
GLL20N	(1)	-	-	-	-	-	-	-	-	-	•	•	•	•	•	•
FCLMC10		•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
FCLMC20		-	-	-	-	-	-	-	-	-	•	•	•	•	•	•
FEL10		•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
KFL		•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
KFL20	(2)	-	-	-	-	-	-	-	-	-	•	•	•	•	•	•
KFLD		•	•	•	•	•	•	•	•	•	-	-	-	-	-	-
KFLD20	(2)	-	-	-	-	-	-	-	-	-	•	•	•	•	•	•
RXLE	(1)	•	-	•	-	•	-	•	-	•	-	-	-	-	-	-
RXLE20	(1)	-	-	-	-	-	-	-	-	-	-	-	•	-	•	-
SW3	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW4	(1)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SWA	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VHL1		-	•	-	•	-	•	-	•	-	-	-	-	-	-	-
VHL20		-	-	-	-	-	-	-	-	-	-	-	-	•	-	•
VHL2		-	•	-	•	-	•	-	•	-	-	-	-	-	-	-
VHL22		-	-	-	-	-	-	-	-	-	-	•	-	•	-	•
SIT 3	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIT 5	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
FMT10	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
FMT21	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PX	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PX2- PX2C6	(3)(4)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PXAE	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TPF	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WMT10	(3)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E4 / E4D	(5)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(1) Compulsory with GLL_M, GLL_R, GLL_N

(2) A maximum of three KFL20 / KFL20D can be assembled on a single unit

(3) Accessories that can only be used in combination with GLL10 and GLL20 grilles.

(4) PX2C6 = Multiple package of n°6 "PX2" control panels

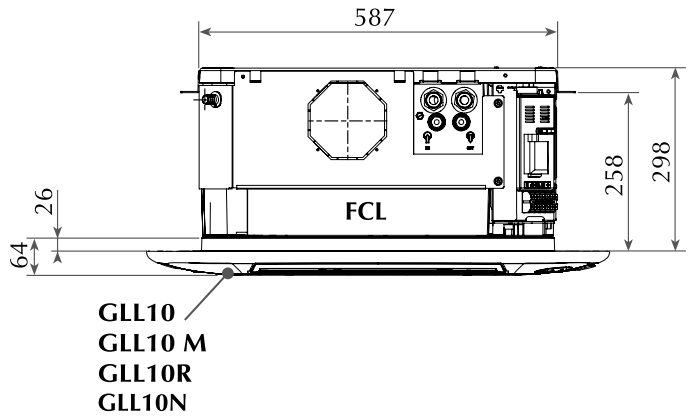
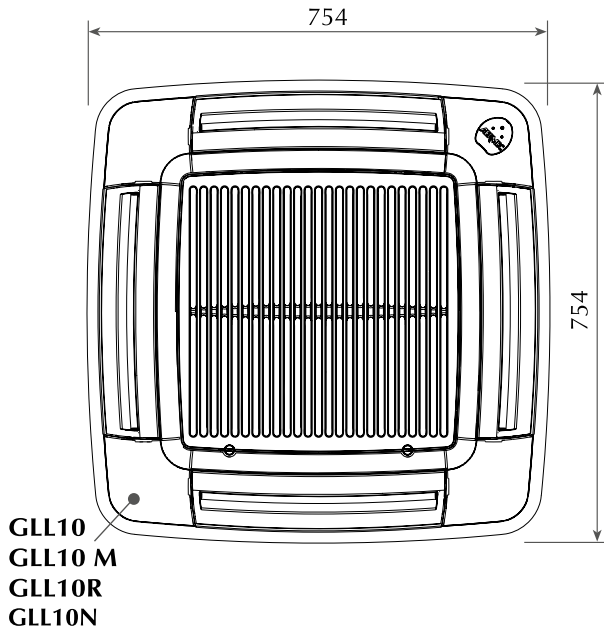
(5) Accessories that can only be used in combination with the GLL10N and GLL20N grilles for individual units or network master

Dimensions (mm)

FCL 32 - 34 - 36 - 38 - 42 - 44 - 62 - 64 - 72

FCL 32 V2 - 34 V2 - 36 V2 - 38 V2 - 42 V2 - 44 V2 - 62 V2 - 64 V2 - 72 V2

FCL 32 VL - 34 VL - 36 VL - 38 VL - 42 VL - 44 VL - 62 VL - 64 VL - 72 VL



Mod. FCL		32	34	36	38	42	44	62	64	72
Weight	kg	20,5	21	20,5	21	20,5	21	22	22,5	22,5

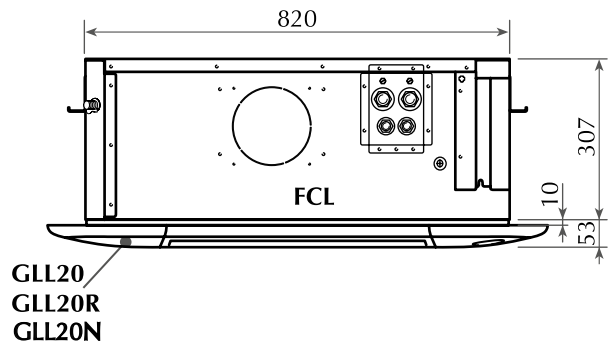
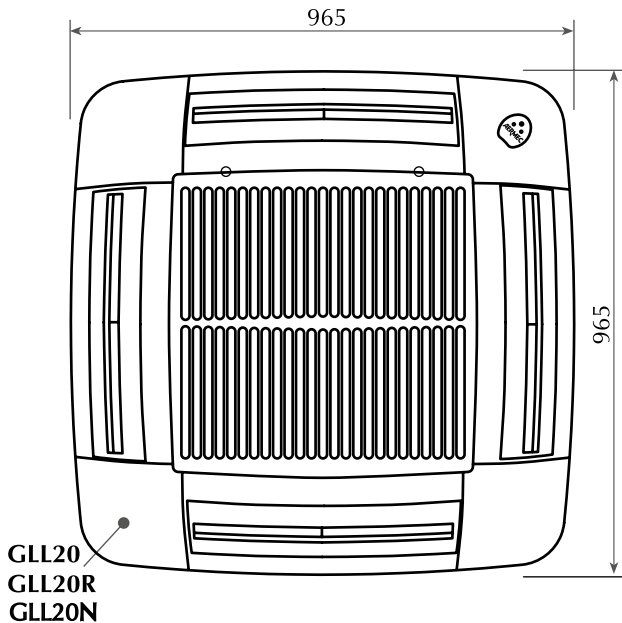
Mod. FCL		32 V2	34 V2	36 V2	38 V2	42 V2	44 V2	62 V2	64 V2	72 V2
Weight	kg	20,5	21	20,5	21	20,5	21	21	22,5	22,5

Mod. FCL		32 VL	34 VL	36 VL	38 VL	42 VL	44 VL	62 VL	64 VL	72 VL
Weight	kg	20	20,5	20	20,5	20	20,5	21,5	22	22

FCL 82 - 84 - 102 - 104 - 122 - 124

FCL 82 V2 - 84 V2 - 102 V2 - 104 V2 - 122 V2 - 124 V2

FCL 82 VL - 84 VL - 102 VL - 104 VL - 122 VL - 124 VL



Mod. FCL		82	84	102	104	122	124
Weight	kg	35	36	36	36	36	36

Mod. FCL		82 V2	84 V2	102 V2	104 V2	122 V2	124 V2
Weight	kg	35	36	36	36	36	36

Mod. FCL		32 VL	34 VL	102 VL	104 VL	122 VL	124 VL
Weight	kg	34	35	35	35	35	35

All specifications are subject to change without prior notice. Although every effort has been made to ensure accuracy, Aermec does not assume responsibility or liability for eventual errors or omissions

Aermec S.p.A.
Via Roma, 996 - 37040 Bevilacqua (VR) - Italy
Tel. 0442633111 - Telefax 044293577
www.aermec.com