

Duct-type fan coil for ceiling installation with multi-zone control

Datasheet
1097EN  10/2025



Compact duct-type fan coil for ceiling installation with integrated multi-zone control.
Efficient, flexible, smart. One single fan coil integrates from 2 to 5 fans to guarantee independent air flows.

Main features

- Control of single zones with EC activation, 0..10 V
- EC centrifugal fans featuring low energy consumptions, with forward-curved blades for reduced noise level
- High-resistance galvanized metal sheet structure with free-standing frame, internal thermal and acoustic insulation
- Flat filters with Coarse filtering class
- Electronic board for control through Wi-Fi chronothermostat

➤ Versions and product codes

PRODUCT CODE	NOMINAL AIR FLOW RATE [m³/h]	NUMBER OF DUCT-TYPE ZONES
KFCMY206	600	2
KFCMY308	900	3
KFCMY410	1200	4
KFCMY512	1500	5

Accessories

- **KFCPLD002**: kit with motorized damper for recycled air and one DN160 fresh air connection, for KFCMY206 fan coil
- **KFCPLD003**: kit with motorized damper for recycled air and one DN160 fresh air connection, for KFCMY308 fan coil
- **KFCPLD004**: kit with motorized damper for recycled air and one DN160 fresh air connection, for KFCMY410 fan coil
- **KFCPLD005**: kit with motorized damper for recycled air and one DN160 fresh air connection, for KFCMY512 fan coil
- **KFCPL012**: plate to separate the air intake of the KFCPLD002 kit into multiple ducts
- **KFCPL013**: plate to separate the air intake of the KFCPLD003 kit into multiple ducts
- **KFCPL014**: plate to separate the air intake of the KFCPLD004 kit into multiple ducts
- **KFCPL015**: plate to separate the air intake of the KFCPLD005 kit into multiple ducts
- **KFCPLY012**: kit with DN160 mm round connections, to separate the air intake of the KFCMY206 fan coil into multiple ducts
- **KFCPLY013**: kit with DN160 mm round connections, to separate the air intake of the KFCMY308 fan coil into multiple ducts
- **KFCPLY014**: kit with DN160 mm round connections, to separate the air intake of the KFCMY410 fan coil into multiple ducts
- **KFCPLY015**: kit with DN160 mm round connections, to separate the air intake of the KFCMY512 fan coil into multiple ducts
- **KFCDAMP001**: non-return damper for single supply connection
- **KF202Y001**: speed adjustment kit
- **K492TY012**: Wi-Fi chronothermostat, touch-screen, with temperature and humidity sensor
- **R439KFCY001**: connection kit for fan coils with 3/4"E connections and increased Kv, composed of: insulated angle supply valve with manual handwheel and M30 x 1,5 mm connection; insulated angle return lockshield with mechanical adjustment using a 6 mm hex key; straight spacer fitting with manual air vent valve; nr.2 90° elbow fittings

Spare parts

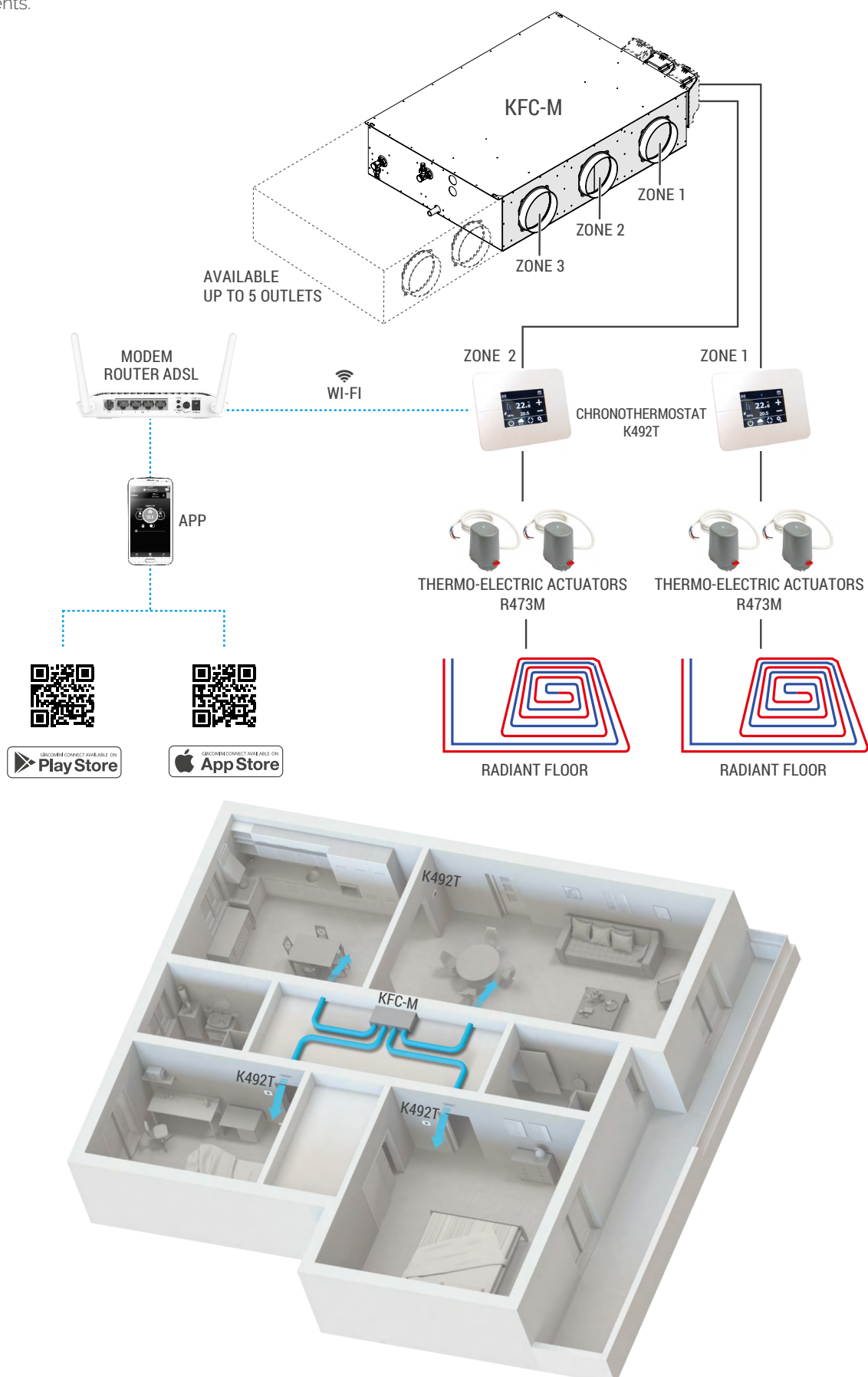
- **KFRY017**: kit of spare recirculation filters for KFCMY206
- **KFRY018**: kit of spare recirculation filters for KFCMY308
- **KFRY019**: kit of spare recirculation filters for KFCMY410
- **KFRY020**: kit of spare recirculation filters for KFCMY512

Multi-zone control

Every zone/fan can be controlled through a K492T Wi-Fi chronothermostat or ON/OFF thermostats.

The K492T chronothermostat can be controlled using the dedicated Giacomini K-Domo app.

Multiple fans can also be controlled by a single chronothermostat when serving large zones or in case of high thermal/cooling requirements.



PRODUCT CODE	m.u.	KFCMY206	KFCMY308	KFCMY410	KFCMY512
COOLING PERFORMANCE (W 7/12 °C; A 27 °C)					
Cooling total output ⁽¹⁾	kW	3,8	5,5	7,2	8,1
Cooling sensible output ⁽¹⁾	kW	2,7	3,9	5,1	6,1
Water flow rate ⁽¹⁾	l/h	600	950	1200	1400
Losses of pressure ⁽¹⁾	kPa	29	21	19	11
Max total output for single cooling zone ⁽¹⁾	kW		2,1		
Max sensible output for single cooling zone ⁽¹⁾	kW		1,5		
HEATING PERFORMANCE (W 45/40 °C; A 20 °C)					
Heating output ⁽²⁾	kW	3,9	5,7	7,4	9
Water flow rate ⁽²⁾	l/h	610	980	1300	1570
Losses of pressure ⁽²⁾	kPa	29	22	21	12
Max total output for single heating zone ⁽²⁾	kW		2,2		
HYDRAULIC CONNECTIONS					
Air diffuser	mm	2 x 160	3 x 160	4 x 160	5 x 160
Return grille	mm	630 x 150	830 x 150	1030 x 150	1320 x 150
Delivery/return water connections				3/4"E	
Dimensions of condensation drain	mm		16÷20		
AERAILIC DATA					
Max nominal air flow rate	m³/h	600	900	1200	1500
Air flow rate for single fan at max speed	m³/h	300	300	300	300
Air flow rate for single fan at medium speed	m³/h	205	205	205	205
Air flow rate for single fan at min speed	m³/h	60	60	60	60
Useful pressure available	Pa	100	100	100	100
Nominal power absorbed by recirculation fan	kW	0,07 x 2	0,07 x 3	0,07 x 4	0,07 x 5
ELECTRIC DATA					
Power supply voltage	V/ph/Hz		230/1/50		
Max power absorbed	W	190	280	370	460
Max current absorbed	A	0,70	1,40	2,10	2,80
ACOUSTIC DATA					
Acoustic power transmitted by the structure ⁽³⁾	dB(A)	60	61	62	64
Acoustic power irradiated through the duct ⁽³⁾	dB(A)	65	69	69	71
Average acoustic pressure at 1 mt. ⁽³⁾	dB(A)	46	48	49	51
Average acoustic pressure at 3 mt. ⁽³⁾	dB(A)	38	40	41	43
DIMENSIONS AND WEIGHTS					
Total width	mm	790	990	1190	1480
Total height	mm	240	240	240	240
Total depth	mm	690	690	690	690
Net weight	kg	43,0	47,0	56,0	67,0

(1) Coil delivery water temperature 7 °C, Coil return water temperature 12 °C, Air room temperature 27 °C d.b. and 19 °C h.b. (according to EN 1397)

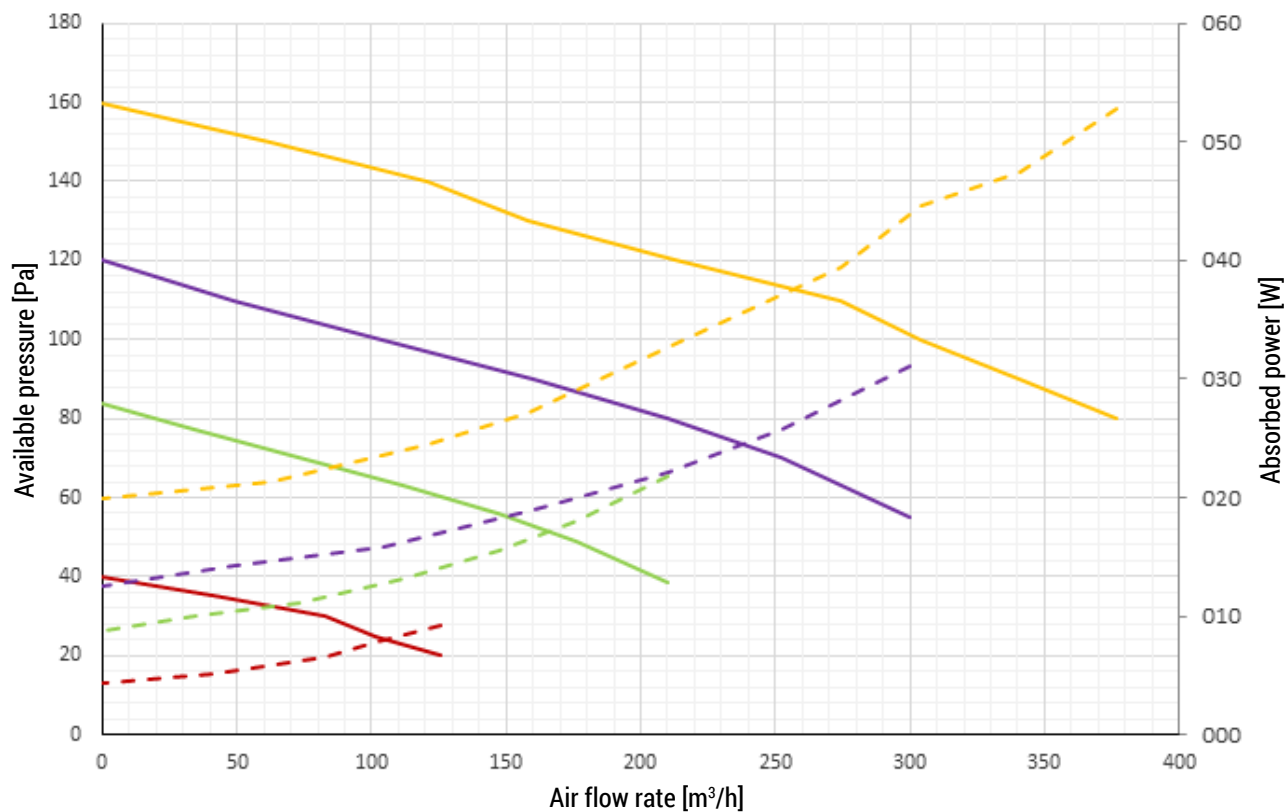
(2) Coil delivery water temperature 45 °C, Coil return water temperature 40 °C, Air room temperature 20 °C d.b. and 15 °C h.b. (according to EN 1397)

(3) Data according to standard EN 3741 and EN 3744

➤ Installation example



Aeraulic curves of single fan



FAN SPEED	AVAILABLE PRESSURE CURVE	ABSORBED POWER CURVE
Static	Red 	Red 
Minimum	Green 	Green 
Medium	Purple 	Purple 
Maximum	Yellow 	Yellow 

➤ Reference standards

CE certified

The CE marking certifies compliance to the European Community standards listed below:

- Low-voltage Standard 2014/35/EU
- Electromagnetic Compatibility Standard 2014/30/EU
- RoHS 2011/65/EU Directive

➤ Product specifications

KFC-M

Compact duct-type fan coil for ceiling installation with integrated multi-zone control. One single fan coil integrates from 2 through 5 fans to guarantee independent air flows. Control of single zones with EC operation, 0..10 V. EC centrifugal fans featuring low energy consumptions with forward-curved blades for reduced noise levels. High-resistance galvanized metal sheet structure with free-standing frame, internal thermal and acoustic insulation. Flat filters with Coarse filtering class. Electronic board for control through Wi-Fi chronothermostat. Available with three different power rates. Hydraulic connections 3/4"E. Cooling total output: 3,8 / 5,5 / 7,2 / 8,1 kW. Max total output for single cooling zone: 2,1 kW. Heating output: 3,9 / 5,7 / 7,4 / 9,0 kW. Max total output for single heating zone: 2,2 kW. Max nominal air flow rate: 600 / 900 / 1200 / 1500 m³/h. Power supply voltage: 230 V / 1 ph / 50 Hz. Useful pressure available: 100 Pa. Acoustic power irradiated inside the duct: 65 / 69 / 69 / 71 dB. Dimensions (W x H x D): 790 x 240 x 690 mm / 900 x 240 x 690 mm / 1190 x 240 x 690 mm / 1480 x 240 x 690 mm. Weight: 43 / 47 / 56 / 67 kg.

⚠ Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

♻ Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

ℹ Additional information. For more information, go to giacomini.com or contact our technical assistance service. This document provides only general indications. Giacomini S.p.A. may change at any time, without notice and for technical or commercial reasons, the items included herewith. The information included in this technical sheet do not exempt the user from strictly complying with the rules and good practice standards in force.

♻ Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.