FCM

FAN COIL
CASSETTE

INFRARED REMOTE CONTROLLER (standard)

WIRED CONTROLLER (optional)

GENERAL SPECIFICATION

- 2 versions - for 2 pipes plant and for 4 pipes plant
- 4 model available for 2 pipes type and 2 model for 4 pipes type
- New EC motor with low consumptions up to 30% respect to a standard motor
- Controlled by infrared remote controller (standard) and a wired controller (optional)
- Timer setting
- Available function: Heating, Cooling, Dehumidification, Automatic

CONTROLLER

INFRARED REMOTE CONTROLLER (Standard)

This controller is very easy to use and all parameters are under control. The limit trasmitting distance of this remote controller is 10 m. Already supplied with the unit.

WIRED CONTROLLER (Optional)

This controller is very easy to use and all parameters are under control. In this case, the panel is fixed to the wall and connected to the unit by a wire.

OPTIONAL ACCESSORIES

The following accessories are available for this category:

3-WAY VALVE KIT(obligatory for operation in the cooling mode)

The three-way valve is not only required to control the ambient temperature, but also to block the flow of chilled water to the coil should the level of condensed water in the tray rise in an abnormal way.
It is obligatory to install this valve if the unit is used for operation in the cooling mode. It avoids excessive cooling when fan is idle, thus preventing the unpleasant formation of condensation inside the machine.
The kit includes copper pipe connections and 3-way valve with ON/OFF electrothermic actuator, suitable for 230V power input. The valve is controlled by main board of the unit.

DRIP TRAY

This PVC tray collects and conveys outside condensation from pipe connections and 3-way valve kit (if present).

MODELS			400	600	850	1500	400-4T	750-4T
Version			2 pipes				4 pipes	
Power supply		V-f-Hz	230-1-50					
Air Flow	Max	m³/h	717	1133	1441	1850	717	1233
	Med	m³/h	502	793	1009	1295	502	863
	Min	m³/h	359	567	721	925	359	617
Cooling capacity (1)	Max	W	3930	5580	6840	10640	2880	5180
	Med	W	3070	4350	5330	8090	2190	3940
	Min	W	2480	3520	4300	6600	1800	3260
Water flow		l/h	676	960	1176	1830	495	891
Cooling water pressure drop		kPa	12	21	27	34	14,5	12
Heating Capacity (2)	Max	W	5340	7720	9370	14380	-	-
	Med	W	4000	5920	7250	11290	-	-
	Min	W	3150	4500	5500	8440	-	-
Heating Capacity (3)	Max	W	-	-	-	-	4730	7410
	Med	W	-	-	-	-	3600	5640
	Min	W	-	-	-	-	2980	4670
Water flow (2)		m³/h	676	960	1176	1830	-	-
Water flow (3)		m³/h	-	-	-	-	407	637
Heating water pressure drop		kPa	10,6	22	23	34	29,1	42
Power input		W	27	42	70	124	27	50
Sound pressure level	Max-Med-Min	dB(A)	40 - 36 - 28	42 - 33 - 26	46 - 36 - 28	50 - 40 - 33	40 - 36 - 28	42 - 34 - 26
Pipe connection		"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Pipe connection auxiliary		"	-	-	-	-	1/2"	1/2"
Net \ Gross weight Body		Kg	16,5/21,5	23/28	27/33	29/34,5	17/23	28/34
Net \ Gross weight Panel		Kg	2,5/4,5	6/9	6/9	6/9	2,5/4,5	6/9
CODE (see page 3)	**FCM**		**2C097A0F**	**2C097A1F**	**2C097A2F**	**2C097A3F**	**2C097B0F**	**2C097B1F**
	Cover grille (small)		**2C097AAF**	-			**2C097AAF**	-
	Cover grille (big)		-	**2C097BAF**			-	**2C097BAF**

NOTE: (1) (1) Air T=27°C D.B. / 19°C W.B. , Water IN/OUT 7°/12°C, design air flow; For medium and low fan speed, water flow as in maximum fan speed mode. **(2)** Air T=20°C D.B., water inlet temperature 50°C, water flow as in cooling mode. **(3)** Air T=20°C D.B., water IN/OUT 70°/60°C, design air flow; For medium and low fan speed, water flow as in maximum fan speed mode. **(4)** Sound pressure level in 100m² room with 0.5sec of reverberation time

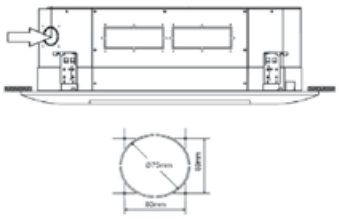
ACCESSORIES

MODELS	400	600	850	1500	400-4T	750-4T
VT1 - 3 way valve for main exchanger	20Z19000	-			20Z19000	-
VT2 - 3 way valve for main exchanger	-	20Z19340			-	
VT3 - 3 way valve for main exchanger	-					20Z19350
VT4 - 3 way valve for additional exchanger	-				20Z19020	-
VT5 - 3 way valve for additional exchanger	-					20Z19360
Drip tray	2C097FAF	-			2C097FAF	-
Drip tray	-	2C097GAF	-			2C097GAF
Wired control	2C097DAF					
Centralised control	2C097EAF					

OPTION INSTALLATION

Fresh air flow input

For fresh air flow input there is a pre-cut hole to connect the unit to a circular duct. It is possible to control fresh air flow by an external fan (not included). This fan can be controlled by main board of the unit.

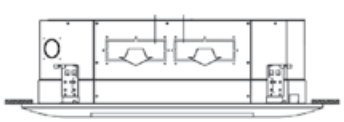


4 PIPES MODEL	400-4	750-4
2 PIPES MODEL	400	600 - 850 - 1500
Ø	65	75

Air delivery into an adjacent room

On all sides there are pre-cut hole to connect the unit to adjacent rooms by some ducts.

4 PIPES MODEL	2 PIPES MODEL	A (mm)	B (mm)	Ø (mm)
400-4	400	-	-	150
-	600	75	160	-
750-4	850 - 1500	95	160	-



DIMENSION

4 PIPES MODEL		400-4	-	750-4	
2 PIPES MODEL		400	600	850	1500
Body	A (mm)	575	840	840	
	B (mm)	575	840	840	
	H (mm)	260	230	300	
Panel	A1 (mm)	647	950	950	
	B1 (mm)	647	950	950	
	H1 (mm)	50	45	45