

# > FCM

## FAN COIL CASSETTE

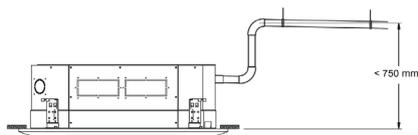


### General specification

- 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.

### Standard accessories

These units are equipped with drain pump. The height of the drainpipe shall set no more than 750mm (500mm for 400 and 400-4 model), otherwise, it's necessary to introduce an auxiliary water pump.



### Controller:

#### ■ INFRARED REMOTE CONTROLLER (Standard)

This controller is very easy to use and all parameters are under control. The limit transmitting distance of this remote controller is 10m.

#### ■ 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 if the level of condensed water in the tray should rise in an abnormal way.

It is obligatory to install this valve if the unit is used for operation in the cooling mode during summer as this stops it from cooling too much during the periods when the fan remains at a standstill, thus preventing the unpleasant formation of condensation on the casing of the machine.

The kit include 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.

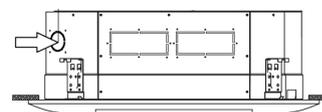
#### ■ DRIP TRAY

This PVC tray gather and conduct outside condensation on pipe connections and 3-way valve kit (if present).

## 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.

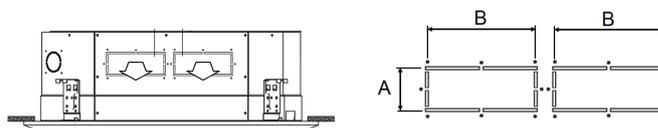


4 pipes model	400-4	750-4	U.M.
2 pipes model	400	600 850 1500	-
Ø	65	75	mm

### 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	B	Ø	U.M
400-4	400	/	/	150	mm
-	600	75	160	/	mm
750-4	850 1500	95	160	/	mm

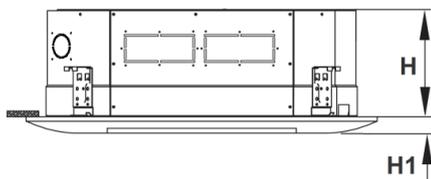
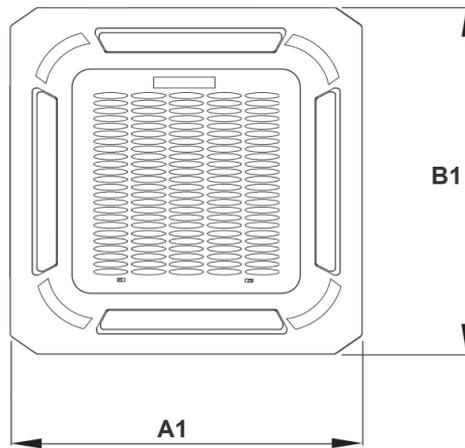
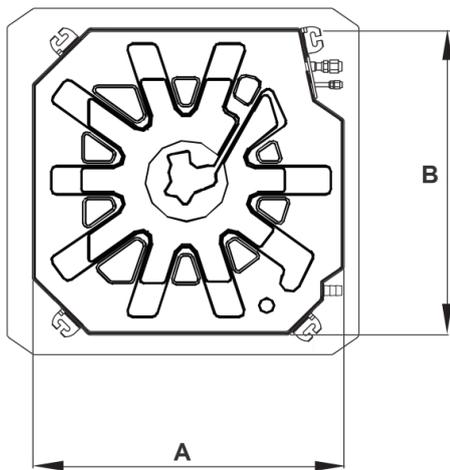


MODELS		400	600	850	1500	400-4	750-4	U.M
Version		2 pipes				4 pipes		\
Power supply		230-1-50						V-f-Hz
Air Flow	Max	717	1133	1441	1850	717	1233	m³/h
	Med	502	793	1009	1295	502	863	m³/h
	Min	359	567	721	925	359	617	m³/h
Cooling capacity (1)	Max	3930	5580	6840	10640	2880	5180	W
	Med	3070	4350	5330	8090	2190	3940	W
	Min	2480	3520	4300	6600	1800	3260	W
Water flow		676	960	1176	1830	495	891	l/h
Cooling water pressure drop		12	21	27	34	14,5	12	kPa
Heating Capacity (2)	Max	5340	7720	9370	14380	\	\	W
	Med	4000	5920	7250	11290	\	\	W
	Min	3150	4500	5500	8440	\	\	W
Heating Capacity (3)	Max	\	\	\	\	4730	7410	W
	Med	\	\	\	\	3600	5640	W
	Min	\	\	\	\	2980	4670	W
Water flow (2)		676	960	1176	1830	\	\	m³/h
Water flow (3)		\	\	\	\	407	637	m³/h
Heating water pressure drop		10,6	22	23	34	29,1	42	kPa
Power input		27	42	70	124	27	50	W
Sound pressure level	Max	40	42	46	50	40	42	dB(A)
	Med	36	33	36	40	36	34	dB(A)
	Min	28	26	28	33	28	26	dB(A)
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		16.5/21.5	23/28	27/33	29/34.5	17/23	28/34	Kg
Net \ Gross weight Panel		2.5/4.5	6/9	6/9	6/9	2.5/4.5	6/9	Kg
Packing Body dimension	L	655	900	900	900	655	900	mm
	A	290	260	330	330	290	330	mm
	P	655	900	900	900	655	900	mm
Packing Panel dimension	L	715	1035	1035	1035	715	1035	mm
	A	123	90	90	90	123	90	mm
	P	715	1035	1035	1035	715	1035	mm

**NOTE:**

- (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

**DIMENSION**



		400-4	-	750-4	UM	
4 pipes model		400	600	850	1500	-
Body	A	575	840	840		mm
	B	575	840	840		mm
	H	260	230	300		mm
Panel	A1	647		950		mm
	B1	647		950		mm
	H1	50		45		mm