
**CASSETTE FAN-COILS UNITS
600 x 600 and 600 x 1.200**



- **Cooling Capacities
of 2 a 8,4 kW**

FAN-COILS

CASSETTE TYPE FAN-COILS UNITS

Cooling Capacities
of 2 a 8,4 kW



Ceiling cassette Fan-Coil units are specially designed for installation in suspended modular ceilings.

During summer operation, when operating with chilled water means that the units are able to cool and dehumidify, whilst using hot water during winter operation provides heating.

The units are available in either 2 or 4 pipe arrangements, with 2 pipe unit having one circuit and the 4 pipe unit having two independent circuits.

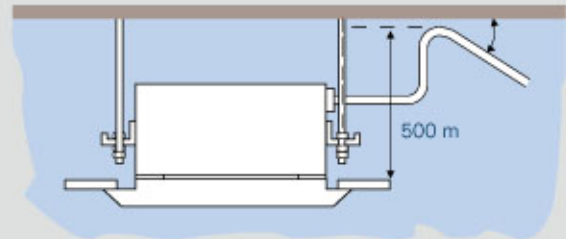
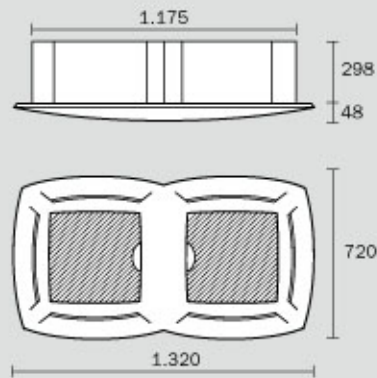
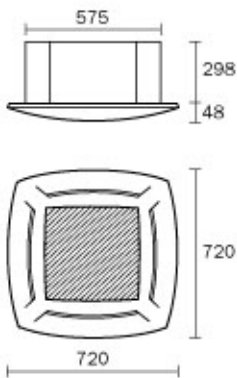
The **UNIT CHASSIS** is made of fully insulated galvanized sheet steel .

The Decorative plastic **DIFFUSER PANEL**, is supplied with internal insulation to prevent condensation and it has been designed to provide effective air distribution and should satisfy most decorative requirements.

A 3 speed centrifugal fan offers the specified air flow performance with a low noise level.

An easily accessible and washable **AIR FILTER**, is supplied as standard.

A **CONDENSATE PUMP** is fitted as standard, which provides a lift to a maximum height of 500 mm.



The removable air grille is hinged and provided with catch that so that it may be opened without having to be taken right off.

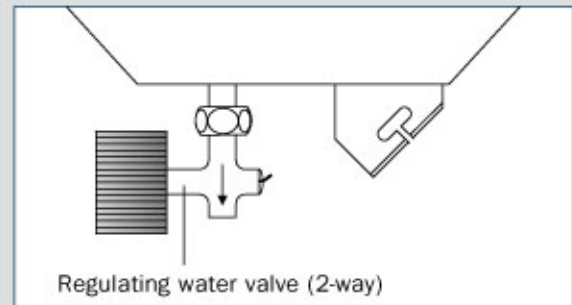
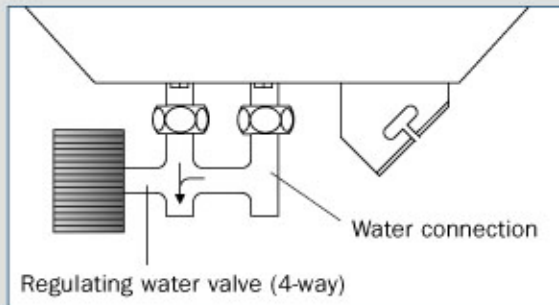


Access is proved to the terminal block by simply withdrawing the fan protection grille.

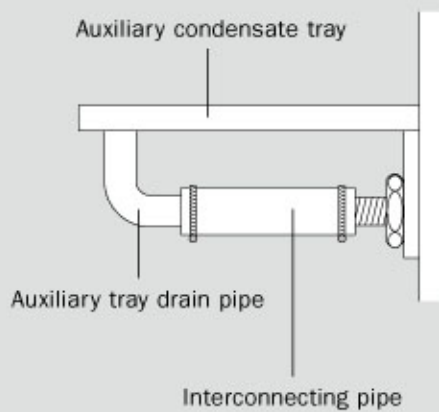
OPTIONS

■ 4-way/2-way/On/Off valve

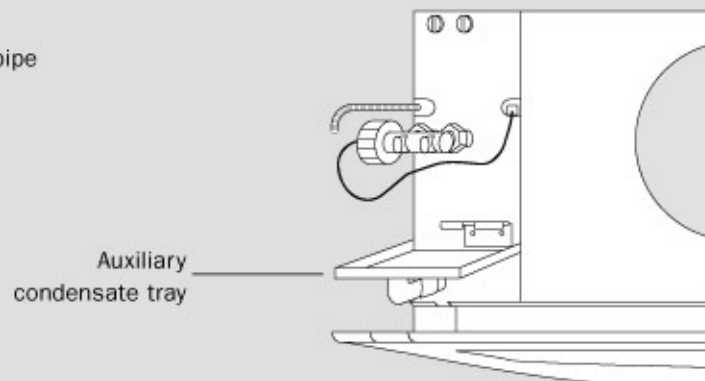
Water flow through the valve passage is continuous on 4-way, 3 port valve.



■ Auxiliary water valve condensate tray



Positioning of the auxiliary condensate tray



■ Water level detector

Condensate tray float switch with voltage-free contact for alarm connection.

■ Armoured heating coils

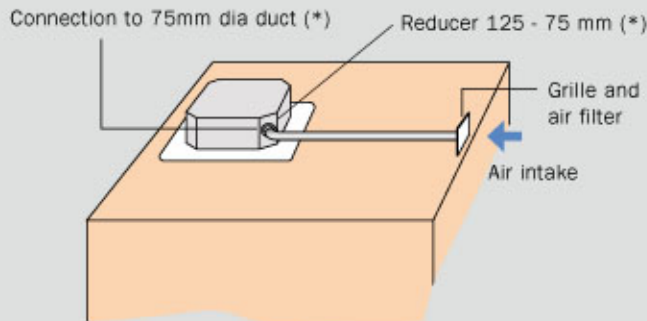
Models	Power
CWC 020	1,5 kW
CWC 030-040	2 kW

Models	Power
CWC 070-090 2P	2,5 kW
CWC 070-090 2P	4 Kw

OPTIONS

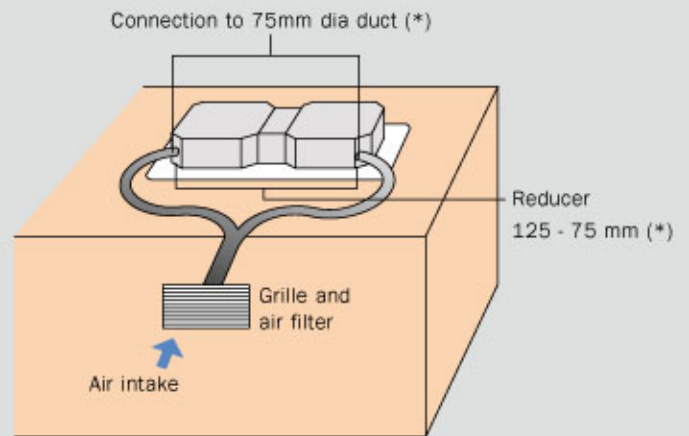
■ Duct connection for fresh air intake

Models 600 x 600



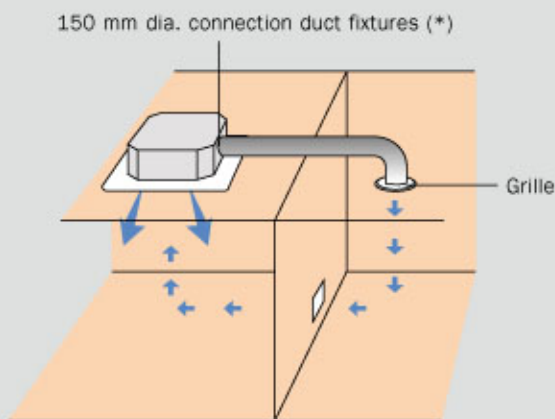
* Items supplied as an option

Models 600 x 1.200



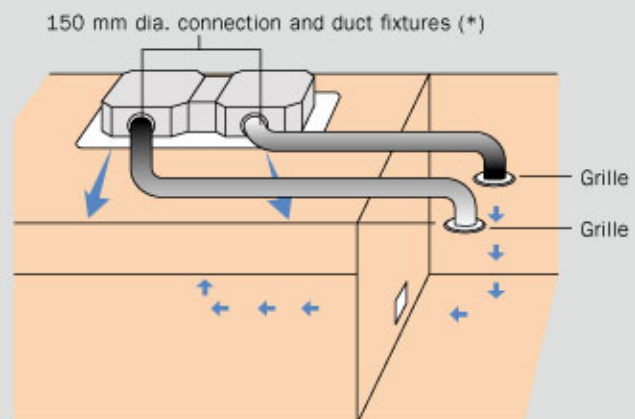
■ Duct connection for discharge to an adjoining room

Models 600 x 600



* Items supplied as an option

Models 600 x 1.200



THERMOSTATS



Thermostat 311-X2 (Optional)

230 V hard wired remote controller with manual selector for temperature, operating mode (Cool, Heat and Ventilation) and either manual or automatic ventilation.

Functions:

3-speed fan, 1 Cooling stage and 1 Heating stage.



Thermostat 311-XVM-XVA (Optional)

Remote controller with manual (M) or automatic (A) selector for temperature and operating mode.

Functions:

3-speed fan, 1 Cooling stage and 1 Heating stage.

OPTIONS

■ Control system for various units with a single Multi-Control thermostat

Relies on a Fan-Coil Cassette where this central control is installed

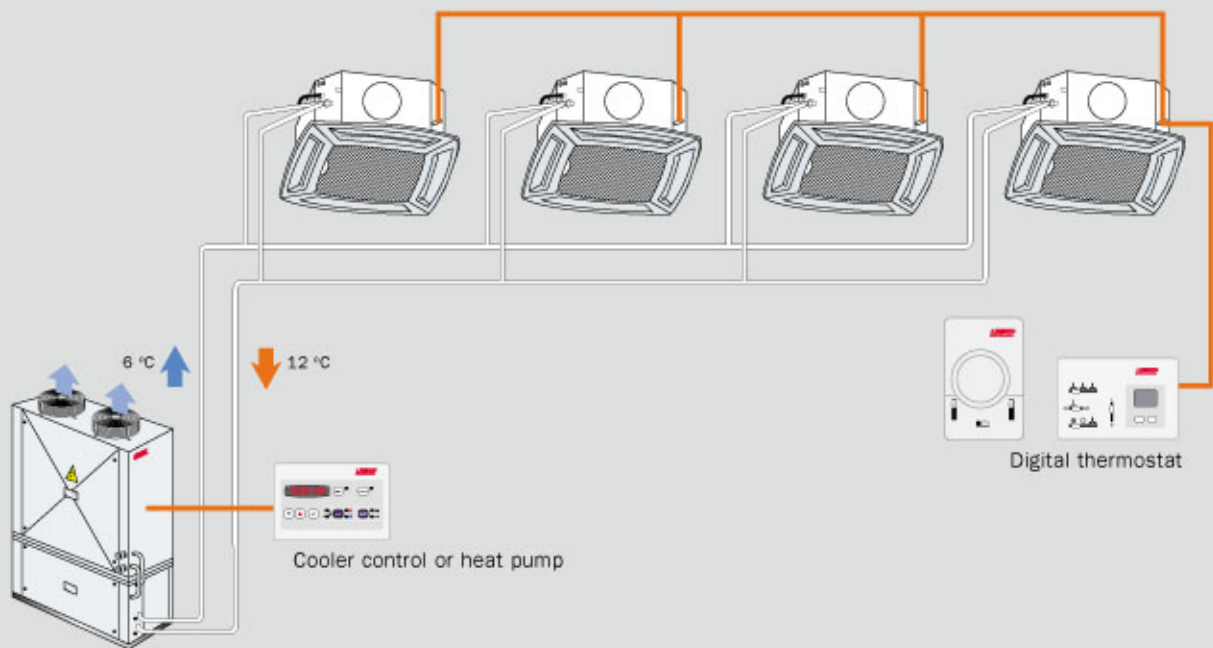
This control consists of:

- Auxiliary fan-coil operating relays
- Main administration terminal strips
- Auxiliary outputs (board)

Up to four units operate with a single thermostat.

The functions that may be selected are as follows:

- Fan speed
- Operating mode
- Temperature selection



This thermostat controls the Cassettes in accordance with the demand of the premises where installed and is independent of the cooler control.

■ Metal diffuser for 600x600 units



TECHNICAL DATA

CASSETTE TYPE FANCOILS 600 x 600

MODELS		2 PIPE SYSTEM				4 PIPE SYSTEM			
		CWC 020 2P	CWC 030 2P	CWC 040 2P	CWC 050 2P	CWC 020 4P	CWC 030 4P	CWC 040 4P	CWC 050 4P
Total Cooling capacity (1)	W	2.000	3.500	4.400	5.200	1.950	2.700	3.500	4.200
Sensible Cooling capacity (1)	W	1.650	2.750	3.400	3.750	1.500	2.100	2.520	3.000
Chilled water flow (1)	l/h	345	600	745	900	330	465	570	720
Chilled water pressure drop (1)	kPa	11	17	26	22	11	24	16	25
Heating capacity (2)	W	2.800	4.400	5.100	6.000	1.400	3.000	3.300	4.000
Hot water flow (2)	l/h	345	600	745	900	120	260	280	350
Hot water pressure drop (2)	kPa	11	17	26	22	4	18	23	55
Heating capacity (3)	W	4.700	7.000	7.900	9.600	1.400	3.000	3.300	4.000
Hot water flow (3)	l/h	404	600	680	825	120	260	280	350
Hot water head loss (3)	kPa	13	17	22	18	14	18	23	55
Standard coil water cont.	l	0,7	1,2	1,5	2,2	0,7+0,1	1+0,25	1,2+0,25	1,5+0,4
Air flow (max. and min.)	m ³ /h	650/445	650/445	880/600	920/650	650/445	650/445	880/600	920/650
Sound pressure level (LP) (*)	dB(A)	40/32	40/32	44/38	48/39	40/32	40/32	44/38	48/39
Fan motor power input (2)	W	46	46	69	94	46	46	69	94
Operating current (3)	A	0,2	0,2	0,3	0,5	0,2	0,2	0,3	0,5
Diffuser dimensions	HxLxD (mm)	48x720x720	48x720x720	48x720x720	48x720x720	48x720x720	48x720x720	48x720x720	48x720x720
Cassette body dimensions	HxLxD (mm)	298x575x575	298x575x575	298x575x575	298x575x575	298x575x575	298x575x575	298x575x575	298x575x575
Cassette weight	kg	21	22	23	24	21	22	23	24
Diffuser weight	kg	3	3	3	3	3	3	3	3
Hydraulic connection		H 1/2" G	H 1/2" G	H 1/2" G	H 1/2" G	H 1/2" G	H 1/2" G	H 1/2" G	H 1/2" G

(1) Air inlet temperature: 27 °C DB/ 19 °C WB

Water temperature: 7/12 °C

(2) Air inlet temperature: 20 °C DB

Water temperature: 50 °C

(3) Air inlet temperature: 20 °C

Water temperature: 70/60 °C

(*) Sound level measured at a distance of 2 m from the unit, room size in accordance with unit size

CASSETTE TYPE FANCOILS 600 x 1.200

MODELS		2 PIPE SYSTEM		4 PIPE SYSTEM	
		CWC 070- 2P	CWC 090- 2P	CWC 070- 4P	CWC 090- 4P
Total Cooling capacity (1)	W	6.750	8.450	5.800	7.050
Sensible Cooling capacity (1)	W	5.190	6.600	4.350	5.270
Chilled water flow (1)	l/h	1.160	1.450	1.000	1.210
Chilled water pressure drop (1)	kPa	24	28	11	25
Standard coil water cont.	l	42	54	42	54
Heating capacity (2)	W	9.150	10.600	6.450	8.650
Hot water flow (2)	l/h	1.160	1.480	555	745
Hot water pressure drop (2)	kPa	24	28	24	17
Heating capacity (3)	W	14.930	17.300	6.450	8.650
Hot water flow (3)	l/h	1.280	1.490	555	745
Hot water head loss (3)	kPa	28	29	24	17
Air flow (max. and min.)	m ³ /h	1.400/1.020	1.650/1.200	1.400/1.020	1.650/1.200
Sound pressure level (LW) (*)	dB(A)	47/41	51/42	47/41	51/42
Fan motor power input (4)	W	0,18	0,2	0,18	0,2
Operating current (4)	A	0,8	0,9	0,8	0,9
Electric coil current consumption	A	17,4	17,4	17,4	17,4
Diffuser dimensions	HxLxD (mm)	48x1.320x720	48x1.320x720	48x1.320x720	48x1.320x720
Cassette body dimensions	AxLxF (mm)	298x1.175x575	298x1.175x575	298x1.175x575	298x1.175x575
Net weight difusor	kg	5	5	5	5
Cassette body weight	kg	43	45	43	45
Cold water hydraulic connection		H 3/4" G	H 3/4" G	H 3/4" G	H 3/4" G
Hot water hydraulic connection		H 1/2" G	H 1/2" G	H 1/2" G	H 1/2" G

(1) Air inlet temperature: 27 °C DB/ 19 °C WB

Water temperature: 7/12 °C

(2) Air inlet temperature: 20 °C DB.

Water temperature: 50 °C

(3) Air inlet temperature: 20 °C DB.

Water temperature: 70/60 °C

(4) Fan at high speed: power 230 V - 1 ph - 50 Hz.

(*) Sound level measured at a distance of 2 m from the unit, room size in accordance with unit size