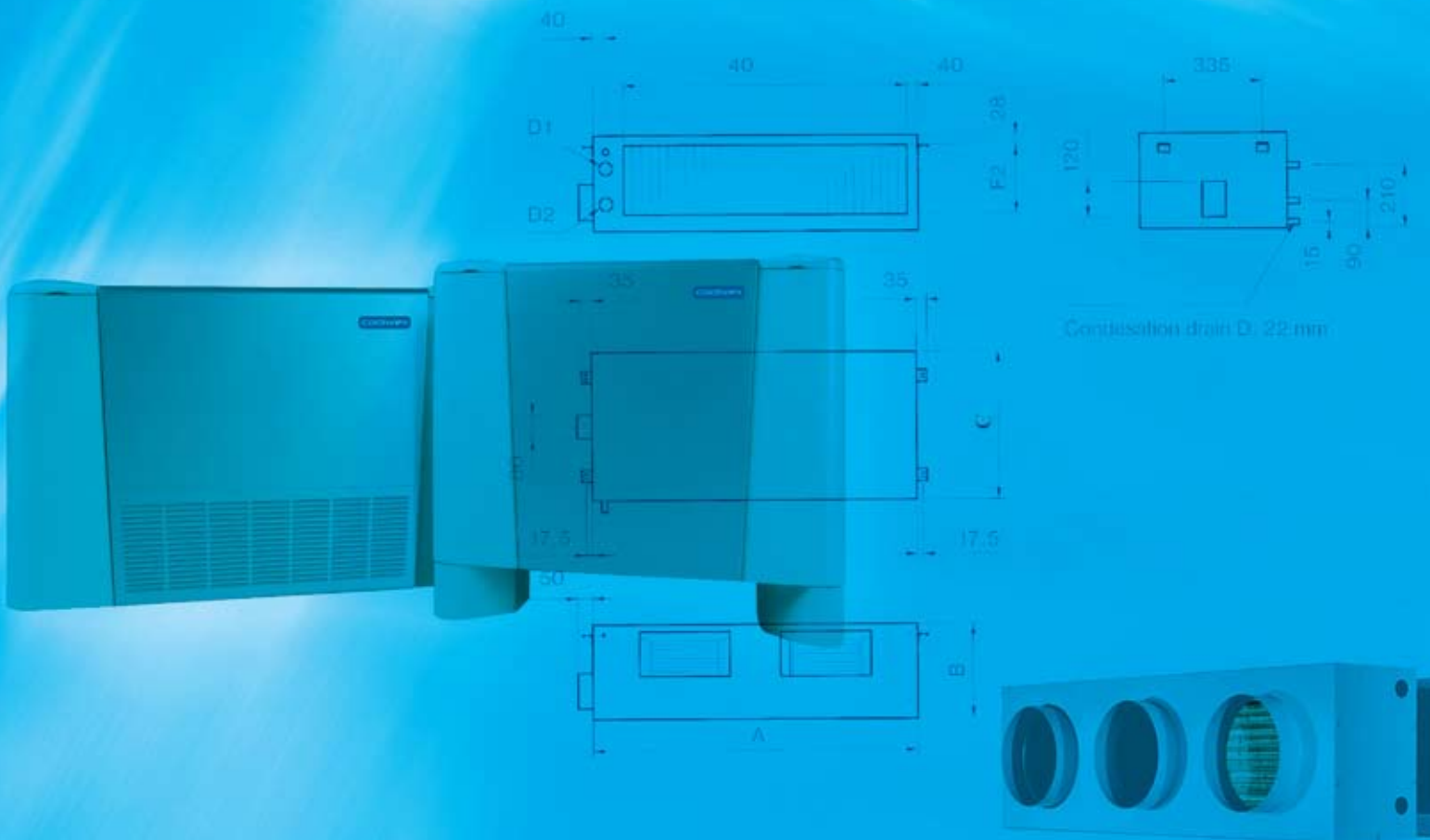


Fan Coil



Coolwex FAN COIL unit

The COOLWEX Fan Coil Unit is designed and manufactured on the base of advanced technology, and utilizes qualified galvanized iron as structure material. Due to its super-thin design, it has such advantages: beautiful outlook, space saving, easy installation, etc. The most obvious advantage is that it can decrease the outlet air temperature difference as low as possible to make the room more comfortable, as well as doesn't reduce the cooling capacity output. For the large air flow volume design, it can increase room ventilation frequency, supply more fresh air and balance room temperature distribution. Benefiting from adoption of advanced material and technology, it can effectively reduce the running noise and keep running smoothly. With the advantages above, it can be widely applied in market, hospital, office building, hotel, airport, and etc...

The COOLWEX Fan Coil Unit contains ceiling exposed type, ceiling concealed type, wall-mounted type, floor standing type and duct type. COOLWEX series fan coil unit has been tested by national AC quality supervise testing center, as low noise level, high efficiency, stable operation and low power consumption make it as the advanced production in the world, and it is recommended for users by CRRRA. Due to their reduced dimensions and pleasing design, these units are ideally suited for Commercial and Residential environments.

Floor-standing FAN COIL unit "CCF"

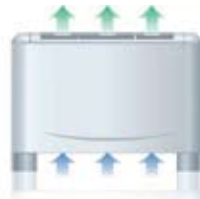
CCF is a type of fan coil unit available in versions with casing and versions for building-in suitable for vertical installation, air return from below and front for optional. CCF series fan coil is designed and manufactured on the base of fully adoption advanced technology. The acute and thin body makes it save a lot of space and easy for installation. Quality materials and state-of-the-art technology ensure optimal performance with virtually imperceptible noise levels and keep running smoothly.



Versions



COOLWEX CCF 1 Series with air intake from front



COOLWEX CCF 2 Series with air intake from the bottom

Features

- Full compliance with safety regulations.
- 2 Pipe system.
- Soft, flowing lines.
- Broad range of controls.
- Low noise operation.
- Reduced pressure drops across heat exchangers.
- Easy installation and maintenance.
- Air filter easily removed and cleaned.
- Removable blades for easy and effective cleaning.
- Low single fans direct driven by single phase, 3 speed permanent split capacitor motor.
- Copper tube/aluminum fin coils.
- Hydrophilic aluminum fin coils coated (optional).
- Unit constructed by electrostatic galvanized sheet, providing maximum protection against corrosion.
- Heavy gauge zinc coated steel drainage pan with good insulation processing, avoiding sweating and corrosion.
- Unit tested performance complies with GB4706.32 -2004.JB9063-1999 and JB/T4283-1991.
- Electromagnetic 3-way valve can be built inside.

Accessories (optional):

1. Build in thermostat CJR 15
2. Wall thermostat CJR 18
3. 3-way valve with electronic coil
4. Connection kit



		CCF 1/2 100	CCF 1/2 200	CCF 1/2 250	CCF 1/2 300	CCF 1/2 400	CCF 1/2 500	CCF 1/2 600	CCF 1/2 700	CCF 1/2 800
Cooling capacity 7/12	W	1150	1870	2530	3270	3970	4850	5640	6520	7850
Heating capacity 70/60	W	2540	4170	5640	7220	8850	10280	12240	15350	18200
Air flow volume	m ³ /h	255	425	510	680	765	850	1020	1360	1530
Pressure drop	kPa	16	10,5	17,7	21,1	19,4	20,5	15,2	24,3	21,6
Noise level	dB	32	35	37	39	41	43	44	46	48
Connections	inch	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Dimension mm	length	800	800	1000	1000	1200	1200	1500	1500	1500
	width	200	200	220	220	220	220	220	220	220
	high	626	626	626	626	626	626	626	626	626
Weight	kg	22,5	22,5	26	26	32,5	32,5	39	39	39

(1) Cooling capacity: Entering air temperature: 27°C d.b./19°C w.b. In/Out water temperature: 7°C b.s./12°C b.u.
 (2) Heating capacity: Entering air temperature: 20°C In/Out water temperature: 70°C b.s./60°C b.u.

Wall-mounted FAN COIL unit “CCW”

The COOLWEX fan coil wall mounted is designed to meet the demanding requirements for efficiency, quiet operation and good looks. The microprocessor assures accurate environmental control.



Model		CCW 21	CCW 30	CCW 38	CCW 48	CCW 57
Cooling capacity 7/12	W	2100	3000	3800	4800	5700
Heating capacity 60/50	W	2400	2900	4000	5000	7000
Power input	W	30	38	39	70	83
Air flow volume	m ³ /h	350	400	600	750	850
Water capacity	m ³ /h	0,37	0,52	0,65	0,83	0,98
Pressure drop	kPa	3,75	7,35	13,14	20,79	32,27
Noise level	dB	36	38	39	43	45
Power supply	V/Hz/Ph	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1
Connections	inch	1/2	1/2	1/2	3/4	3/4
Body dimension (BxTxH)	mm	810x190x270	810x190x270	895x205x295	1035x205x315	1035x205x315
Weight	kg	9	9	11	15	15

(1) Cooling capacity: Entering air temperature: 27°C d.b./19°C w.b. In/Out water temperature: 7°C b.s./12°C b.u.
 (2) Heating capacity: Entering air temperature: 20°C In/Out water temperature: 60°C b.s./50°C b.u.

Features:

- Unit is ABS with high mechanical characteristics and resistance to ageing.
- The water coil has a large heat transfer surface is equipped with purge air valve and purge water valve.
- Equipped with boot deflector blades and independent directional vanes, supply air can automatically be distributed and customized to direct the air.
- All function controlled by the LCD remote control hand set unit.
- Cool, Heat, three Fan speeds.
- Sleep, Auto Fan, Timer function to start or stop the unit up to 18 hours.
- Manual Control Panel.
- 3-way valve included.

Duct type FAN COIL unit “CCD”

CCD terminals are the internal units of hydronic system. They can be used with a water chiller to form an air-conditioning system, with a reversible heat pump for an air-conditioning and heating system in combination with a heat generator to form a heating terminal. The possibility of regulating air flow ensures maximum comfort in all situations.



Onboard the machine is a connector with relay board making electrical connections and fan control easy (the relay board is not present on 10 size models given the low power consumption).

Features:

- The structure is made of aluzink sheet.
- The acoustic and thermal insulation of the machine is obtained by an adequate layer of polyethylene and polyester.
- The exchange unit is made of copper pipes and aluminums finning.
- The connections are provided with GAS threads.
- All units are provided with stainless steel condensation drain tray.
- Any air filters, are easily extractable allowing their periodic cleaning.
- The electric fans are three speed and centrifugal with fan-wheels both statically and dynamical balanced to reduce the vibrations and noise to a minimum.

		CCD 46	CCD 75	CCD 90	CCD 105	CCD 131	CCD 157	CCD 207
Cooling capacity 7/12	W	4600	7450	9070	10500	13100	15700	20700
Water side pressure drop - cooling	Pa	15	19	21	17	21	22	26
Water capacity - cooling	m ³ /h	0,72	1,2	1,55	1,6	1,9	2,6	3,6
Heating capacity 70/60	W	9800	15500	19700	21600	25900	35500	45300
Water side pressure drop - heating	Pa	13	14	21	18	22	22	25
Water capacity - heating	m ³ /h	0,88	1,4	1,75	1,9	2,3	3,2	4,2
Air flow volume	m ³ /h	950	1500	1600	2100	2400	3600	4300
Noise level	dB	50	51	52	55	55	58	58
External static pressure	Pa	90	100	85	115	105	120	115
Max. Absorbed current	A	1	1,9	1,9	2,5	2,5	3,9	5,5
Fan speed	n°	3	3	3	3	3	3	3
Power input	W	90	147	147	184	184	420	600
Power supply	V/Hz/Ph	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1
Connections	inch	1/2	1/2	1/2	3/4	3/4	3/4	3/4
Dimension mm	L/W/H	640/295/450	1000/295/450	1000/295/450	1100/322/500	1340/322/535	1340/372/535	1340/372/535
Weight	kg	24	34	37	41	47	55	60
SBE Electric heating element - 1 element*	W	3000	4500	4500	4500	6000	6000	6000
SBE2 Electric heating element - 2 elements*	W	6000	9000	9000	9000	12000	12000	12000
SBC post-heating section*		SBC 46	SBC 75	SBC 90	SBC 105	SBC 131	SBC 157	SBC 207
Heating capacity	W	6500	10900	11500	13500	16000	20300	22200
Water side pressure drop	kPa	10	11	12	15	15	20	24
Water capacity	m ³ /h	0,58	0,96	1,02	1,34	1,54	2,13	2,33
Air side pressure drop	Pa	15	18	20	22	22	27	35

(1) Cooling capacity: Entering air temperature: 27°C d.b./19°C w.b. In/Out water temperature: 7°C b.s./12°C b.u.
 (2) Heating capacity: Entering air temperature: 20°C In/Out water temperature: 70°C b.s./60°C b.u.

* Accessories

Cassette FAN COIL unit “CCCN”

1) Ultra thin machine body to easy installation and maintenance:230mm to 300mm



2) Adding digital tube displaying on the display board. LED can display the Error Code to make the malfunction checking easier (up from model CCCN 50)



3) The swing angel of the first louver are 40~42 degrees and the second louver are 37~38 degrees



- 4) Four-way outlet makes equal, fast and wide-range cooling
- 5) 3-dimensional screw fan reduces the air resistance
- 6) Compact design, simple installation and easy maintenance
- 7) Built-in water pump with 500mm to 750mm (up from model CCCN 50) pumping head
- 8) Four speeds fan motor

Features

- Chilled water/Hot water (2 pipes).
- Low height for easy installation.
- Low noise fan direct driven by single phase 4 speed permanent split capacitor motor.
- Copper tube/aluminum fin coils.
- Hydrophilic aluminum fin coils coated (optional).
- Unit constructed by electrostatic galvanized sheet, providing maximum protection against corrosion.
- Heavy gauge zinc coated steel drainage pan with good insulation processing, avoiding sweating and corrosion.



CCCN 50/60/70/80/100/120



CCCN 25/30/40

		CCCN 25	CCCN 30	CCCN 40	CCCN 50	CCCN 60	CCCN 70	CCCN 80	CCCN 100	CCCN 120
Cooling capacity 7/12	W	3000	3780	4980	5720	6990	7270	8220	10390	12870
Heating capacity 70/60	W	4490	5670	7620	9660	11550	12420	13850	17590	21050
Air flow volume	m ³ /h	500	630	710	1000	1250	1400	1600	2000	2550
Water capacity	m ³ /h	0,52	0,65	0,86	0,98	1,2	1,25	1,41	1,78	2,21
Pressure drop	kPa	10,1	14,5	18,3	23,8	25,2	27	30	44	46
Auxiliary electrical heater*	W	1000	1000	/	2100	2100	2700	2700	2700	2700
Power supply	V/Hz/Ph	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1	220V/50 Hz/1
Noise level	dB	39	43	47	48	48	49	52	54	56
Connections	inch	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Body dimension (BxTxH)	mm	580x580x240	580x580x240	580x580x240	840x840x230	840x840x230	840x840x230	840x840x230	840x840x230	840x840x230
Dimension of panel (BxTxH)	mm	650x650x30	650x650x30	650x650x30	950x950x46	950x950x46	950x950x46	950x950x46	950x950x46	950x950x46
Weight with panel	kg	26	26	26	35	35	41	41	41	41

(1) Cooling capacity: Entering air temperature: 27°C d.b./19°C w.b. In/Out water temperature: 7°C b.s./12°C b.u.
 (2) Heating capacity: Entering air temperature: 20°C In/Out water temperature: 70°C b.s./60°C b.u.

Accessories (serial):

- 1. IR remote controller
- 2. Air filter



Accessories (optional):

- 1. Wall thermostat CWCF
- 2. 3-way valve with electronic coil
- 3. Connection kit



Coolwex group USA

www.coolwex.com



9169

Dealer: