CONFIDENCEAIR GENERAL PRODUCT CATALOG

confidence air

www.confidenceair.com

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About Us

ConfidenceAir – Reliable Climate Solutions
Focused on energy efficiency, hygiene, and sustainability, ConfidenceAir manufactures high-performance ventilation and climate control systems for a wide range of applications — from residential to industrial projects.
With modern production infrastructure and international experience, we deliver safe and clean indoor air quality to every project.

Our Mission

We deliver reliable, high-efficiency ventilation solutions that quietly improve the air you live in.

Our Vision

To be the trusted global partner in every stage of building design, with innovative solutions that enhance indoor air quality.

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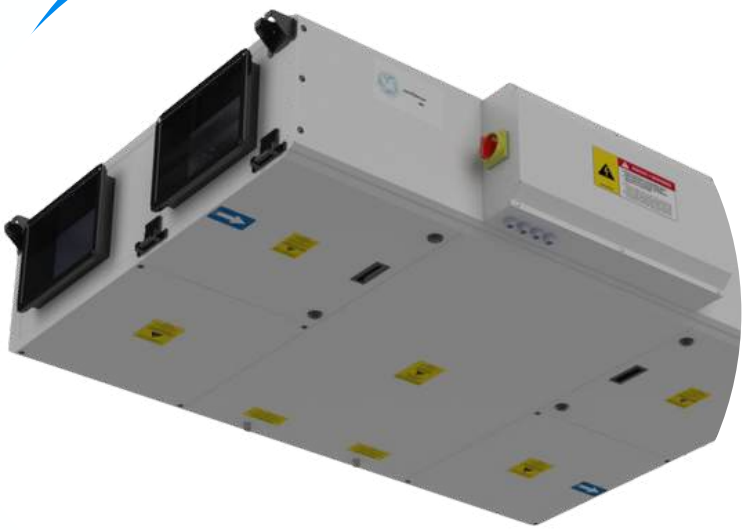
CHR CF

HEAT RECOVERY UNITS
(Counter Flow Heat Exchanger)



Casing

The body consists of a 0.8 mm galvanized inner sheet and a 0.8 mm outer sheet painted RAL 9002. 50 mm panel, filled with rockwool(70 kg/m^3) , offers sound and heat isolation.

Exchanger

Eurovent certified, counterflow type aluminium plate exchanger which have high efficiency levels reaching %90
according to EN 308 are used in CFHR units.

Fans

Fans with EC motor are used in CFHR units EC motors have higher efficiencies than AC motors, and have easy speed control.
• Fan blades are backward curved type which have high aero-dynamic efficiency .

Filters

F7 Filter on the fresh air side and M5 filter on exhaust side are
used.

		CHR-CF				
		500	1000	1500	2300	3000
Electrical Connections		1~230 V 50 Hz				
Performance Datas						
Air Flow (1)	m^3/h	550	1050	1600	2300	3150
Sound Level (2)	dB (A)	42	40	43	45	51
Electrical Requirements						
Max. Fan/motor Power (3)	W	338	340	1000	1000	1460
Max. Current	(A)	2,7	2,8	4,4	4,4	6,4

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CHR -VCF

Vertical Heat Recovery Unit

Casing

The body consists of a 0.8 mm galvanized inner sheet and a 0.8 mm outer sheet painted RAL 9002. 50 mm panel, filled with rockwool(70 kg/m^3) , offers sound and heat isolation.

Exchanger

Eurovent certified, counterflow type aluminium plate exchanger which have high efficiency levels reaching 90%
according to EN 308 are used in CFHR units.

Fans

Fans with EC motor are used in CHR-VCF units EC motors have higher efficiencies than AC motors, and have easy speed control.
• Fan blades are backward curved type which have high aero-dynamic efficiency .

Filters

F9 -G4 Filter on the fresh air side and M5 filter on exhaust side are used.

Technicial Specifications		
Nominal Air Flow (m^3/h)	2000	4000
Efficiency (EN 308)	%80	%79
Fans	EC	EC
Heat exchanger type	Counter-Flow	Counter-Flow
Filter (Vant.)	ePM10 60% (G4) ePM1 90% (F9)	ePM10 60% (G4) ePM1 90% (F9)
Filter (Asp.)	ePM10 70% (M5)	ePM10 70% (M5)
Operrating Temperature (°C)	-20/60	-20/60
Protection Class	IP 31	IP 31
Nominal Voltage (VAC)	220	380
Current (A)	2,2x2	1,89x2
Fan Power Input (W)	500x2	1234x2

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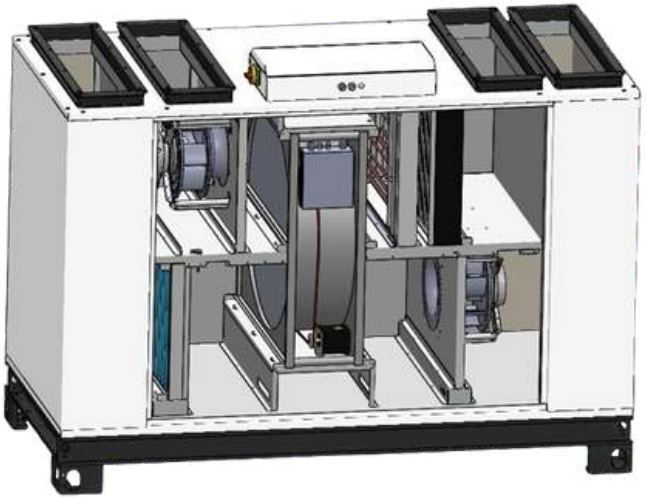
CHR -RT

Vertical Heat Recovery Unit



Casing

The body consists of a 0.8 mm galvanized inner sheet and a 0.8 mm outer sheet painted RAL 9002. 50 mm panel, filled with rockwool(70 kg/m^3) , offers sound and heat isolation.

Exchanger

CHR-RT units are equipped with rotary heat recovery systems using Eurovent-certified rotors, offering high efficiency levels up to 90% in accordance with EN 308.

Fans

Fans with EC motor are used in CHR-RT units EC motors have higher efficiencies than AC motors, and have easy speed control.

• Fan blades are backward curved type which have high aero-dynamic efficiency .

Filters

FM6-F8 Filter on the fresh air side and M5 filter on exhaust side are used.

Technicial Specifications		
Nominal Air Flow (m^3/h)	2000	4000
External Pressure (Pa)	200	200
Efficiency (EN 308)	%81	%80
Filter (Vant.)	ePM10 80% (M6) ePM1 70% (F8)	ePM10 80% (M6) ePM1 70% (F8)
Filter (Asp.)	ePM10 70% (M5)	ePM10 70% (M5)
Operrating Temperature (°C)	-20/60	-20/60
Protection Class	IP 31	IP 31
Nominal Voltage (VAC)	220	380
Current (A)	2,2x2	1,65x2
Fan Power Input (W)	500x2	1072x2

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CDH

SINGLE ROOM HEAT RECOVERY UNITS

Casing

IThe body consists of a 0.8 mm galvanized inner sheet and a 0.8 mm outer sheet painted RAL 9002. 50 mm panel, filled with rockwool(70 kg/m^3) , offers sound and heat isolation.

Exchanger

Eurovent certified, counterflow type aluminium plate exchanger which have high efficiency levels reaching %90
according to EN 308 are used in CDH units.

Fans

Fans with EC motor are used in CDH units EC motors have higher efficiencies than AC motors, and have easy speed control.
• Fan blades are backward curved type which have high aero-dynamic efficiency .

Filters

FF7 -G4 Filter on the fresh air side
and M5 filter on exhaust side are used.

Technicial Specifications		
Nominal Air Flow (m^3/h)	330	550
Weigthy (kg)	95	120
Filter (Vant.)	ePM1 55% (F7)	ePM1 55% (F7)
Filter (Asp.)	ePM10 60% (G4)	ePM10 60% (G4)
Operrating Temperature (°C)	-20/60	-20/60
Protection Class	IP 31	IP 31
Nominal Voltage (VAC)	230	230
Current (A)	0,4x2	0,7x2
Fan Power Input (W)	49x2	87x2
Preheater Power Input (W)	700	750
Reheater Power Input (W)	1050	1500
Sound Level (dBA) Sound levels are measured at 250Hz and at 1,5m distance.	39	42

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CHR-EC

HEAT RECOVERY UNITS

Casing

It consists of 0.8 mm galvanized RAL 9002 painted sheet metal.
Heat and sound insulation (Flame retardant) Flame retardant insulation is used in CHR units to provide heat and sound insulation.

Exchanger

Eurovent certified cross-flow heat exchangers

Fans

Fans with EC motor are used in CHR units EC motors have higher efficiencies than AC motors, and have easy speed control.
• Fan blades are backward curved type which have high aero-dynamic efficiency .

Filters

G4 filters are provided as standard on both the fresh air and exhaust sides, with an optional upgrade to F7 filters upon request.

		CHR-EC						
		500	1000	1500	2400	3000	4000	5000
Electrical Connections		1~230 V 50 Hz						
Performance Datas								
Air Flow (1)	m^3/h	550	1000	1500	2400	3000	4000	5000
Sound Level (2)	dB (A)	44	45	46	48	49	50	52
Electrical Requirements								
Fan/motor Power (3)	W	240	310	420	450	750	960	1360
Maximum Current	(A)	0,9	1,36	1,8	2	3,5	4,8	6

[1] Airflow data when the ESP is 0 Pa.
[2] Sound levels are measured at 250Hz and at 1,5m distance.
[3] Power consumption

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CHRU

HEAT RECOVERY UNITS

Casing

It consists of 0.8 mm galvanized RAL 9006 painted sheet metal.
Heat and sound insulation (Flame retardant) Flame retardant insulation is used in CHR units to provide heat and sound insulation.

Exchanger

Eurovent certified cross-flow heat exchangers

Fans

Low noise level and high efficiency by using back curved plug fans. CHRU Units use direct driven plug fans with AC motors.

Filters

G4 filters are provided as standard on both the fresh air and exhaust sides

		CHRU							
		800	1000	1500	2000	2500	3000	4000	5000
Electrical Connections		1~230 V 50 Hz							
Performance Datas									
Air Flow (1)	m^3/h	850	1300	1500	2000	2500	3100	3900	5100
Sound Level (2)	dB (A)	44	45	46	48	48	49	50	52
Electrical Requirements									
Fan/motor Power (3)	W	240	310	420	450	450	750	960	1360
Maximum Current	(A)	0,9	1,36	1,8	2	2	3,5	4,8	6

[1] Airflow data when the ESP is 0 Pa.
[2] Sound levels are measured at 250Hz and at 1,5m distance.
[3] Power consumption

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Ecoloji Unit

Casing

The unit casing features a double-skin panel structure with 0.8 mm galvanized steel on both inner and outer surfaces. The 50 mm gap between the panels is filled with 70 kg/m³ density rockwool, providing both thermal and acoustic insulation.

Elektrostatic Filter

High-voltage electrostatic filtration captures and incinerates grease and smoke. The cell is washable and long-lasting

Filters

The metal pre-filter captures coarse particles and protects the filters that follow. It acts as the first stage of the filtration system.
The F7 filter is positioned after the electrostatic filter and efficiently captures the remaining fine particles. It is available in both panel and bag formats.

Activated Carbon Cartridge Filter

The activated carbon cartridge filter is used at the final stage of filtration. It adsorbs odors, smoke, gases, and VOCs (volatile organic compounds), improving the chemical quality of indoor air.

MODEL	Air Flow (m3/h)	Voltage (VOLT/HZ)	ESP Electric Power (W)	Motor Power (W)	Carbon Plate (PC)	Active Carbon Filter (PCS)
ECO5000	3500	380/50	30	3	12x2	24
ECO7500	7.000	380/50	40	5,5	12x3	36
ECO15000	13600	380/50	80	11	12x6	72
ECO20000	17000	380/50	100	15	16x6	96
ECO22500	20.500	380/50	120	18,5	12x9	108

Fans

The system uses a plug fan with an externally mounted motor, isolated from the airstream. This configuration protects the motor from hot, humid, or particle-laden air, extending its lifespan and reducing maintenance needs. The fan operates quietly and supports inverter-based speed control.

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Air Handling Units

Casing

The unit casing features a double-skin panel structure with 0.8 mm galvanized steel on both inner and outer surfaces. The 50 mm gap between the panels is filled with 70 kg/m^3 density rockwool, providing both thermal and acoustic insulation.

Fans

The system uses a plug fan with an externally mounted motor, isolated from the airstream. This configuration protects the motor from hot, humid, or particle-laden air, extending its lifespan and reducing maintenance needs. The fan operates quietly and supports inverter-based speed control.

Heat Recovery

Plate, rotary, or enthalpy-type heat exchangers recover thermal energy from the exhaust air to precondition fresh air.

Cooling Coil

Cooling coil may be direct expansion (DX) or chilled water type, constructed with copper tubes and aluminum fins

Heating Coil

Electric, hot water, or steam heating coils are used to increase supply air temperature.

Silencer

Duct or internal silencers are used to reduce sound pressure along the airflow path.

Controls & Automation

All components are controllable via sensors for temperature, humidity, pressure, and airflow. Fully compatible with BMS.

Filters

G4 class pre-filter is provided as standard. F7 or F9 bag filters can be used for higher particle filtration efficiency.

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CL Serial

Hygienic Ventilation Unit

Casing

The casing consists of 25 mm thick panels filled with 70 kg/m³ rock wool for high thermal and acoustic insulation. The inner surface is 0.8 mm stainless steel for durability and hygiene; the outer surface is 0.8 mm painted steel. Service doors allow quick and easy access to all components for maintenance.

Fans

The ConfidenceAir CL series uses high-efficiency EC motor fans. These fans offer optimal performance while ensuring energy savings and operate with minimal noise, making them ideal for sensitive environments

Cooling Coil

The chilled water coil lowers the air temperature by circulating chilled water, ensuring thermal comfort. A condensate drain pan located beneath the coil safely collects and removes moisture formed during dehumidification. It is suitable for hygienic applications.

Heating Coil

The hot water coil heats the airstream using hot water from a central system. Its easy-to-clean design makes it suitable for hygienic applications.

Silencer

Internal silencers reduce sound pressure. Stainless steel baffles make them suitable for hygienic environments.

Filters

The filtration system consists of a multi-stage setup: a G4 pre-filter for coarse particles, an F7 fine filter, and a high-efficiency F9 filter. Designed to enhance indoor air quality and protect internal components.

CL Technicial Specifications		
Nominal Air Flow (m³/h)	550	1200
External static pressure (Pa)	600	600
Weigthy (kg)	95	110
Filter	G4-F7-F9	G4-F7-F9
Heating Capacity (kW)	4,4	9,4
Cooling Capacity (kW)	6,27	13,21
Operrating Temperature (°C)	-25/55	-25/55
Protection Class	IP 31	IP 31
Nominal Voltage (VAC)	230	230
Current (A)	1,85	1,69
Fan Power Input (W)	500	1045
Sound Level (dBA)	54	61

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KITCHEN EXHAUST FANS

CHS Serial

MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CUR-RENT	SPEED	AIR FLOW	PRESSURE
		HP	kW	(A)	(d/d)	(m3/h)	Pa
CHS-1	230/380/50	1	0,75	2,10	1400	2500	400
CHS-1,5	230/380/50	1,5	1,1	2,60	1400	4000	400
CHS-2	230/380/50	2	1,5	3,50	1400	6000	400
CHS-3	230/380/50	3	2,2	5	1400	8000	400
CHS-4	230/380/50	4	3	6,60	1400	10000	400
CHS-5,5	380/50	5,5	4	8,20	1400	12000	400
CHS-7,5	380/50	7,5	5,5	11,20	1400	16000	400
CHS-10	380/50	10	7,5	15,40	1400	20000	400
CHS-15	380/50	15	11	21	1400	25000	400
CHS-20	380/50	20	15	29,80	1400	30000	400
CHS-25	380/50	25	18,5	34,50	1400	35000	400
CHS-30	380/50	30	22	42,50	1400	40000	400
CHS-40	380/50	40	30	55	1400	45000	400
CHS-50	380/50	50	37	67	1400	50000	400

Casing

The unit casing features a double-skin panel structure with 0.8 mm galvanized steel on both inner and outer surfaces. The 50 mm gap between the panels is filled with 70 kg/m^3 density rockwool, providing both thermal and acoustic insulation.

Fans- Motors

The system uses a plug fan with an externally mounted motor, isolated from the airstream. This configuration protects the motor from hot, humid, or particle-laden air, extending its lifespan and reducing maintenance needs. The fan operates quietly and supports inverter-based speed control.

CPH Serial

MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CURRENT	SPEED	AIR FLOW
		HP	kW	(A)	(d/d)	(m3/h)
CPH-315	230/380/50	1/3	0,25	1,82	1400	2000
CPH-355	230/380/50	1/2	0,37	2,54	1400	3000
CPH-400	230/380/50	3/4	0,55	3,38	1400	4500
CPH-450	230/380/50	1,5	1,1	7,30	1400	6500
CPH-500	230/380/50	2	1,5	9,20	1400	8500
CPH-560	230/380/50	3	2,2	13,60	1400	10500
CPH-630	230/380/50	4	3	19	1400	12500

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CABINET FANS

CBOX

Unit Construction

CBOX ventilation units feature a double-skin casing with 50 mm rock wool insulation, ensuring high thermal and acoustic performance. The system is equipped with a Plug fan driven by an external motor, offering efficient and quiet operation.

MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CURRENT	SPEED	AIR FLOW
		HP	kW	(A)	(d/d)	(m3/h)
CBOX-315	230/380/50	1/3	0,25	1,82	1400	2000
CBOX-355	230/380/50	1/2	0,37	2,54	1400	3000
CBOX-400	230/380/50	3/4	0,55	3,38	1400	4500
CBOX-450	230/380/50	1,5	1,1	7,30	1400	6500
CBOX-500	230/380/50	2	1,5	9,20	1400	8500
CBOX-560	230/380/50	3	2,2	13,60	1400	10500
CBOX-630	230/380/50	4	3	19	1400	12500

CBOX 2

Unit Construction

CBOX2 series units feature a single-skin housing made of 0.8 mm sheet metal, with integrated acoustic insulation on the inner surface. They are equipped with direct-driven radial fans with double inlet and forward-curved impellers, ensuring compact and efficient air delivery.

MODEL	VOLTAGE (VOLT/HZ)	FAN POWER	CURRENT	SPEED	AIR FLOW
		W	(A)	(d/d)	(m3/h)
CBOX2-20	230/50	375	4	1400	2000
CBOX2-30	230/50	450	5	1400	3000
CBOX2-35	230/50	550	4,9	1400	3500
CBOX2-40	230/50	750	5,9	1400	4000
CBOX2-60	230/50	1270	7,7	1400	6000

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ROOF FANS

Roof fans are installed on building rooftops to exhaust air directly to the outside. Their compact design, weather-resistant construction, and high-efficiency motors make them ideal for commercial and industrial ventilation systems. Available in both vertical and horizontal discharge configurations.

MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CURRENT	SPEED	AIR FLOW
		HP	kW	(A)	(d/d)	(m3/h)
CRF-280	230/380/50	1/3	0,25	0,81	1400	1000
CRF-315	230/380/50	1/2	0,37	1,15	1400	1750
CRF-355	230/380/50	3/4	0,55	1,60	1400	2500
CRF-400	230/380/50	1	0,75	2,10	1400	3500
CRF-450	230/380/50	1,5	1,1	2,60	1400	5000
CRF-500	230/380/50	2	1,5	3,5	1400	8000
CRF-560	230/380/50	3	2	5	1400	1000

CRF

RECTANGULAR DUCT FANS

Duct fans are installed within ventilation ducts to boost airflow capacity. Their compact design enables easy installation in tight spaces. With low noise levels and high efficiency, they are widely used in both comfort and industrial ventilation systems.

MODEL	DIMENSIONS (CM)	VOLTAGE (VOLT/HZ)	CURRENT (A)		MOTOR POWER		AIR FLOW	SPEED
			MONOFAZE	TRIFAZE	HP	kW	(m3/h)	d/d
CDKF-S-315	60X35	230/380/50	1,82	0,79	1/3	0,25	2850	1400
CDKF-S-355	60X35	230/380/50	2,54	1,20	1/2	0,37	3400	1400
CDKF-S-400	70X40	230/380/50	3,38	1,54	3/4	0,55	4500	1400
CDKF-S-450	70X40	230/380/50	7,30	2,56	1,5	1,1	6200	1400
CDKF-S-500	80X50	230/380/50	9,20	3,40	2	1,5	8700	1400
CDKF-S-560	100X50	230/380/50	13,60	5,25	3	2,2	10500	1400
CDKF-S-630	100X50	230/380/50	19	6,60	4	3	12500	1400

CDKF

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ELECTRIC HEATERS

Duct-type electric heaters used with heat recovery units (HRUs) directly heat the airflow to reach the desired supply air temperature. Their compact design allows easy integration into duct systems. Equipped with overheat protection and step control, they provide safe and energy-efficient operation.

Model		Electrical Power	Step
		kW	
CEH	800	2	1
	1000	3	1
	1500	5	1
	2100	7	2
	3000	8	3
	4000	10	3
	5000	12	3
	6000	13	3

Duct-Type Hot Water Coils

Duct-type hot water coils are installed in the supply duct of heat recovery units to heat the airflow using hot water. Their compact design allows easy integration into duct systems. Compatible with central hot water systems, they offer an energy-efficient heating solution.

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