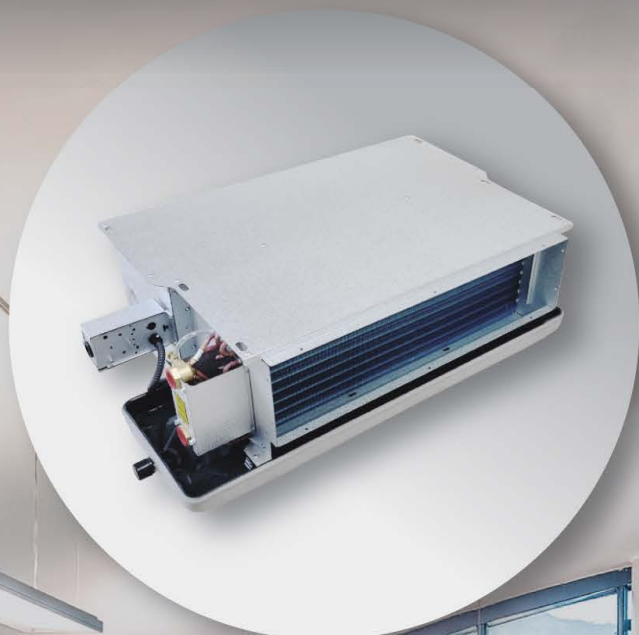


DUCTED FAN COILS CNF



☀ FOR HEATING

❄ FOR COOLING

- 5 models
- 2-pipe and 4-pipe versions
- Whisper-quiet operation
- Low height - from 234 mm
- Air intake from the end or bottom
- Coils with hydrophilic fins
- Drain pans
- Integrated air filters
- Fans with AC or DC motors
- Static pressures from 12 to 50 Pa

 **konveka**

Whisper-Quiet Operation

Fans equipped with well-balanced impellers, noiseless motors, and plastic casings ensure ultra-low sound levels.

Low Profile

All models have a small height of 238 mm, perfect for fitting into tight spaces with low ceilings.

Casing made from 0,5 mm galvanized steel.

Coils with Hydrophilic Fins

The hydrophilic coating enhances the condensate water removal from the coil surface, increasing the heat exchange efficiency.

Efficient heat transfer leads to reduced energy consumption, as the unit doesn't have to work as hard to maintain the desired temperature.

The hydrophilic layer helps protect the fins from corrosion, extending the unit's lifespan.

The coating reduces dust and dirt accumulation, making the unit easier to maintain.

Drain Pans

The drain pans are made from a single steel plate, shaped through a stamping process to form a seamless and sturdy bath.

They are coated with a high-grade, smooth surface coat designed specifically for corrosion protection.

They are thermally insulated to prevent secondary condensation.

Air filter

All models are equipped with washable nylon incoming air filters. It is designed to slide into special guides for easy insertion and removal.

Fans with AC or DC type electric motors

Models with AC type motors have 3 speeds.

The fan speed of models with DC motors is adjustable from 0-10V. The standard thermostats TW24, which come with these models, support 5 speeds.

DC motors are generally more energy-efficient, especially at lower speeds, using up to 70% less energy than AC motors.

They operate more quietly, making them ideal for environments where noise is a concern.

DC motors offer a wider range of speed control, allowing for more precise adjustments to airflow.

The reduced heat produced during operation leads to a longer lifespan of DC motor fans.

Both motor types have reliable self-lubricated bearing.



TECHNICAL SPECIFICATIONS

FANS WITH AC MOTORS

2-PIPE SYSTEM

Model			CNF2 30	CNF2 40	CNF2 60	CNF2 80	CNF2 110
Power supply			230V, 50Hz				
External static pressure		Pa	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)
		Speed					
Air volume		High	510	680	1020	1360	2040
		Middle	380	515	765	1040	1550
		Low	260	340	530	710	1050
Cooling capacity*	Total	High	3200	4000	5800	8000	11300
	Sensible		2230	2850	4230	5790	8110
	Total	Middle	2510	3305	4790	6660	9153
	Sensible		1715	2320	3345	4715	6340
	Total	Low	2000	2470	3520	5150	6820
	Sensible		1420	1735	2500	3530	4950
Heating capacity**		High	5050	6250	9150	12500	17800
		Middle	3900	5100	7400	10300	14200
		Low	3100	3850	5450	8000	10550
Maximum noise pressure		12Pa	39	41	45	47	50
		30Pa	41	43	48	49	52
		50Pa	44	46	49	50	54
Maximum el. consumption		12Pa	52	62	96	134	189
		30Pa	59	72	108	156	212
		50Pa	66	84	118	174	250
Water flow		m³/h	0.55	0.69	0.99	1.37	1.94
Pressure loss		kPa	22	18	22	27	37
water connections			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"
Maximum working pressure		Mpa	1.6	1.6	1.6	1.6	1.6
Condensate connection		mm	DN20	DN20	DN20	DN20	DN20
Dimensions LxWxH	air return from end	mm	814 x 510 x 234	864 x 510 x 234	1044x 510 x 234	1424 x 510 x 234	1674 x 510 x 234
	air return from bottom	mm	814 x 492 x 252	864 x 492 x 252	1044 x 492 x 252	1424 x 492 x 252	1674 x 492 x 252
Weight		kg	13	14	17	26	32

* Incoming water temperature 7°C, outgoing water temperature 12°C, room temperature 27°C

** Incoming water temperature 60°C, room temperature 21°C

TECHNICAL SPECIFICATIONS

FANS WITH AC MOTORS

4-PIPE SYSTEM

Model			CNF4 30	CNF4 40	CNF4 60	CNF4 80	CNF4 110
Power supply			230V, 50Hz				
External static pressure		Pa	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)
		Speed					
Air volume		High	510	680	1020	1360	2040
		Middle	380	515	765	1040	1550
		Low	260	340	530	710	1050
Cooling capacity*	Total	High	3200	4000	5800	8000	11300
	Sensible		2230	2850	4230	5790	8110
	Total	Middle	2510	3305	4790	6660	9153
	Sensible		1715	2320	3345	4715	6340
	Total	Low	2000	2470	3520	5150	6820
	Sensible		1420	1735	2500	3530	4950
Heating capacity**		High	2000	2500	3650	5000	7100
		Middle	1550	2050	2950	4100	5650
		Low	1250	1550	2150	3200	4200
Noise pressure		12Pa	39	41	45	47	50
		30Pa	41	43	48	49	52
		50Pa	44	46	49	50	54
Maximum el. consumption		12Pa	52	62	96	134	189
		30Pa	59	72	108	156	212
		50Pa	66	84	118	174	250
Water flow	Cooling	m³/h	0.55	0.69	0.99	1.37	1.94
	Heating		0.17	0.21	0.31	0.43	0.61
Pressure loss	Cooling	kPa	22	18	22	27	37
	Heating		8	8	10	12	16
water connections			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"
Maximum working pressure		Mpa	1.6	1.6	1.6	1.6	1.6
Condensate connection		mm	DN20	DN20	DN20	DN20	DN20
Dimensions LxWxH	air return from end	mm	814 x 510 x 234	864 x 510 x 234	1044x 510 x 234	1424 x 510 x 234	1674 x 510 x 234
	air return from bottom	mm	814 x 492 x 252	864 x 492 x 252	1044 x 492 x 252	1424 x 492 x 252	1674 x 492 x 252
Weight		kg	14	15	19	28	35

* Incoming water temperature 7°C, outgoing water temperature 12°C, room temperature 27°C

** Incoming water temperature 60°C, room temperature 21°C

TECHNICAL SPECIFICATIONS

FANS WITH DC MOTORS

2-PIPE SYSTEM

Model			CNF2 30	CNF2 40	CNF2 60	CNF2 80	CNF2 110
Power supply			230V, 50Hz				
External static pressure		Pa	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)
		Speed					
Air volume		High	510	680	1020	1360	2040
		Middle	380	515	765	1040	1550
		Low	260	340	530	710	1050
Cooling capacity*	Total	High	3200	4000	5800	8000	11300
	Sensible		2230	2850	4230	5790	8110
	Total	Middle	2510	3305	4790	6660	9153
	Sensible		1715	2320	3345	4715	6340
	Total	Low	2000	2470	3520	5150	6820
	Sensible		1420	1735	2500	3530	4950
Heating capacity**		High	5050	6250	9150	12500	17800
		Middle	3900	5100	7400	10300	14200
		Low	3100	3850	5450	8000	10550
Maximum noise pressure		12Pa	39	41	45	47	50
		30Pa	41	43	48	49	52
		50Pa	44	46	49	50	54
Maximum el. consumption		12Pa	30	36	56	78	111
		30Pa	34	42	63	91	124
		50Pa	38	54	73	108	147
Water flow		m³/h	0.55	0.69	0.99	1.37	1.94
Pressure loss		kPa	22	18	22	27	37
water connections			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"
Maximum working pressure		Mpa	1.6	1.6	1.6	1.6	1.6
Condensate connection		mm	DN20	DN20	DN20	DN20	DN20
Dimensions LxWxH	air return from end	mm	814 x 510 x 234	864 x 510 x 234	1044x 510 x 234	1424 x 510 x 234	1674 x 510 x 234
	air return from bottom	mm	814 x 492 x 252	864 x 492 x 252	1044 x 492 x 252	1424 x 492 x 252	1674 x 492 x 252
Weight		kg	13	14	17	26	32

* Incoming water temperature 7°C, outgoing water temperature 12°C, room temperature 27°C

** Incoming water temperature 60°C, room temperature 21°C

TECHNICAL SPECIFICATIONS

FANS WITH DC MOTORS

4-PIPE SYSTEM

Model			CNF4 30	CNF4 40	CNF4 60	CNF4 80	CNF4 110	
Power supply			230V, 50Hz					
External static pressure		Pa	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	
		Speed						
Air volume		High	m³/h	510	680	1020	1360	2040
		Middle		380	515	765	1040	1550
		Low		260	340	530	710	1050
Cooling capacity*	Total	High	W	3200	4000	5800	8000	11300
	Sensible			2230	2850	4230	5790	8110
	Total	Middle		2510	3305	4790	6660	9153
	Sensible			1715	2320	3345	4715	6340
	Total	Low		2000	2470	3520	5150	6820
	Sensible			1420	1735	2500	3530	4950
Heating capacity**		High	W	2000	2500	3650	5000	7100
		Middle		1550	2050	2950	4100	5650
		Low		1250	1550	2150	3200	4200
Noise pressure		12Pa	dB(A)	39	41	45	47	50
		30Pa		41	43	48	49	52
		50Pa		44	46	49	50	54
Maximum el. consumption		12Pa	W	30	36	56	78	111
		30Pa		34	42	63	91	124
		50Pa		38	54	73	108	147
Water flow	Cooling	m³/h	0.55	0.69	0.99	1.37	1.94	
	Heating		0.17	0.21	0.31	0.43	0.61	
Pressure loss	Cooling	kPa	22	18	22	27	37	
	Heating		8	8	10	12	16	
water connections			G3/4"	G3/4"	G3/4"	G3/4"	G3/4"	
Maximum working pressure		Mpa	1.6	1.6	1.6	1.6	1.6	
Condensate connection		mm	DN20	DN20	DN20	DN20	DN20	
Dimensions LxWxH	air return from end	mm	814 x 510 x 234	864 x 510 x 234	1044x 510 x 234	1424 x 510 x 234	1674 x 510 x 234	
	air return from bottom	mm	814 x 492 x 252	864 x 492 x 252	1044 x 492 x 252	1424 x 492 x 252	1674 x 492 x 252	
Weight		kg	14	15	19	28	35	

* Incoming water temperature 7°C, outgoing water temperature 12°C, room temperature 27°C

** Incoming water temperature 60°C, room temperature 21°C

THE CONTROLLER TW230

FOR MODELS WITH AC FANS



CNF fan coils controllers offer a wide range of functions and high precision to maintain optimal temperature in your room:

- Ensures the set temperature is maintained with an accuracy of $\pm 0.5^{\circ}\text{C}$.
- Adjusts fan speed: 3 speeds available
- Can be controlled with a mobile application via **WiFi**
- Can be connected to Building Management System (BMS) via **Modbus** connection
- Enables to create a personalized **weekly temperature schedule** according to your needs.



Main Features:

- Economy mode
- Holiday function
- Low temperature protection
- Daytime and nighttime display brightness adjustment
- Temperature compensation
- Dead zone adjustment
- Time display
- Screen lock.

Order codes: white **TW230(w)**, black **TW230(b)**,

THE CONTROLLER TW24

FOR MODELS WITH DC FANS



CNF fan coils controllers offer a wide range of functions and high precision to maintain optimal temperature in your room:

- Ensures the set temperature is maintained with an accuracy of $\pm 0.5^{\circ}\text{C}$.
- Adjusts fan speed: 5 speeds available
- Can be controlled with a mobile application via **WiFi**
- Can be connected to Building Management System (BMS) via **Modbus** connection
- Enables to create a personalized **weekly temperature schedule** according to your needs.



Main Features:

- Economy mode
- Holiday function
- Low temperature protection
- Daytime and nighttime display brightness adjustment
- Temperature compensation
- Dead zone adjustment
- Time display
- Screen lock.

Order codes: white **TW24(w)**, black **TW24(b)**,

THE ACCESSORIES

THERMOSTATIC VALVE (STRAIGHT)

Controls flow of energy carrier. Controlled by thermal actuator A24NC



DN15 Kvs = 2,00
Order code: **TVS15**

LOCKSHIELD VALVE (STRAIGHT)

Opens, closes or limits flow of energy carrier



DN15 Kvs = 1,74
Order code: **LS15**

THERMOSTATIC VALVE ACTUATOR (230V) FOR MODELS WITH AC FANS

Opens / closes thermostatic valve



Voltage 230V DC
(ON/OFF)
Order code: **A230NC**

THERMOSTATIC VALVE ACTUATOR (24V) FOR MODELS WITH DC FANS

Opens / closes thermostatic valve



Voltage 24V DC
(ON/OFF)
Order code: **A24NC**

CONTACTS

Konveka, UAB
Vokieciu st. 185, LT-45251
Kaunas, Lithuania

Telephone number

+370 677 06303

+370 600 05968

Email

sales@konveka.lt

donatas@konveka.lt