

CASSETTE FAN COILS CSF

☀ FOR HEATING

❄ FOR COOLING

- 4 models
- 2-pipe and 4-pipe versions
- Ultra quiet operation
- Fans with DC motors (optional)
- Low height – from 242 mm
- Integrated drainage pump
- Integrated float switch
- Integrated air filter
- Remote control included
- Coils with hydrophilic fins

 **konveka**

Whisper-Quiet Operation

The fan delivers excellent airflow efficiency, and low noise levels. This performance is achieved through the use of an innovative sine strip seam on the fan wheel, which enhances flexibility and significantly reduces vibration when operating at high speeds.

Low Profile

The device is designed with minimal height, making it ideal for installation in areas with limited vertical space. Units with a cooling capacity of up to 7500W have a height of only **242 mm**, unit exceeding 7500W is 292 mm tall.

Integrated Water Drainage Pump

Drainage pump is designed for high-lift applications, facilitating the planning and installation of condensed water drainage systems with its 750mm lifting capability.

Integrated Float Switch

Each device is equipped with a float switch that automatically regulates the cold water flow according to the condensate level, effectively preventing water leakage.

Coils with Hydrophilic Fins

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

Anti-Corrosive Properties: The hydrophilic layer helps protect the fins from corrosion, extending the unit's lifespan.

Less Frequent Cleaning: The coating reduces dust and dirt accumulation, making the unit easier to maintain.

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

Remote Control included.

The standard set comes with a remote control, offering the following main features:

- **Mode Selection:** Auto, Heating, Cooling, Dehumidification, Ventilation
- **Temperature Adjustment:** Allows precise control over the environment.
- **Swing Amplitude Adjustment:** Customizes the extent of oscillation.
- **Air Flow Direction Adjustment:** Directs the air exactly where needed.
- **Sleep Mode:** Optimizes the environment for better sleep conditions.
- **Timer:** Enables setting specific operating times.

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.

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.

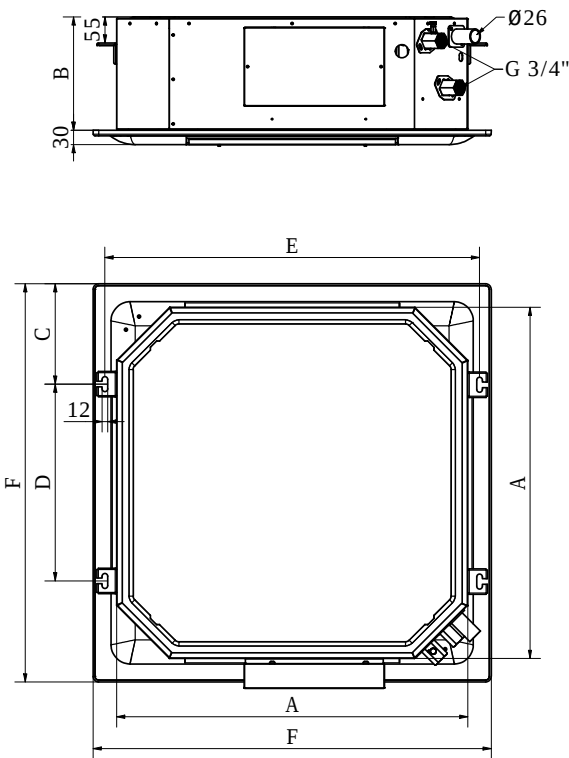
DC motors offer a wider range of speed control, allowing for more precise adjustments to airflow.

Both motor types have reliable self-lubricated bearings



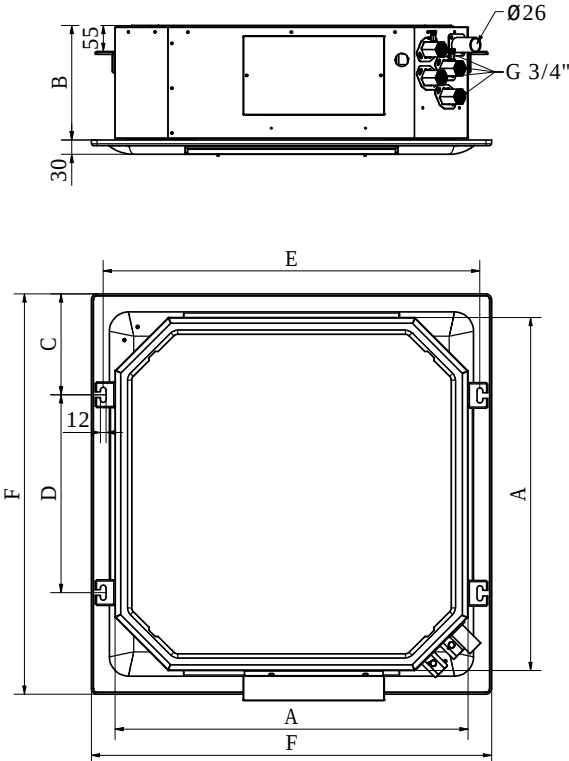
DIMENSIONS

2-PIPE SYSTEM



Model	CSF2 30	CSF2 40	CSF2 60	CSF2 80	CSF2 110
A	590	590	750	840	840
B	242	242	242	242	292
C	110	110	205	245	245
D	410	410	420	440	440
E	635	635	798	888	888
F	650	650	850	950	950

4-PIPE SYSTEM



Model	CSF4 30	CSF4 40	CSF4 60	CSF4 80	CSF4 110
A	590	590	750	840	840
B	242	242	242	242	292
C	110	110	205	245	245
D	410	410	420	440	440
E	635	635	798	888	888
F	650	650	850	950	950

TECHNICAL SPECIFICATIONS

FANS WITH AC MOTORS

2-PIPE SYSTEM

Model			CSF2 30	CSF2 40	CSF2 60	CSF2 70	CSF2 110
Power supply			230V, 50Hz				
Air volume	Speed						
	High	m³/h	550	680	1050	1380	2050
	Middle		440	540	840	1100	1640
	Low		330	410	630	810	1230
Cooling capacity*	Total	High	3000	3800	5800	7500	11000
	Sensible		2200	2850	4250	5500	8250
	Total	Middle	2550	3250	4950	6400	9350
	Sensible		1800	2350	3500	4550	6850
	Total	Low	2050	2600	4000	5200	7600
	Sensible		1400	1850	2800	3600	5450
Heating capacity**	High	W	4700	5900	9000	11600	17100
	Middle		3900	5000	7650	9850	14550
	Low		3150	3950	6050	7750	11450
Noise pressure	High	dB(A)	39	42	44	46	50
	Middle		33	35	37	39	42
	Low		27	29	32	33	36
Max. el. consumption		W	50	58	95	130	190
Maximum water flow		m³/h	0.51	0.65	0.99	1.28	1.87
Pressure loss		kPa	13	22	25	23	33
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	ø20	ø20	ø20	ø20	ø20
Dimensions LxWxH	Unit	mm	590 x 590 x 242	590 x 590 x 242	750 x 750 x 242	840 x 840 x 242	840 x 840 x 292
	Panel		650 x 650 x 30	650 x 650 x 30	850 x 850 x 30	950 x 950 x 30	950 x 950 x 30
Weight	Unit	kg	20	20	25.5	27.5	29.5
	Panel		2.2	2.2	4.2	5	5

* 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			CSF4 30	CSF4 40	CSF4 60	CSF4 70	CSF4 110	
Power supply			230V, 50Hz					
		Speed						
Air volume		High	m³/h	520	650	1000	1320	1950
		Middle		420	510	800	1050	1560
		Low		310	390	600	790	1170
Cooling capacity*	Total	High	W	2950	3700	5700	7350	10800
	Sensible			2150	2800	4150	5400	8100
	Total	Middle		2500	3200	4850	6250	9150
	Sensible			1750	2300	3450	4450	6700
	Total	Low		2000	2550	3900	5100	7450
	Sensible			1350	1800	2750	3550	5350
Heating capacity**		High	W	3000	3750	5750	7400	10900
		Middle		2550	3200	4850	6250	9250
		Low		2000	2500	3850	4950	7300
Noise pressure		High	dB(A)	41	43	45	46	51
		Middle		34	36	38	39	43
		Low		28	30	32	33	37
Max. el. consumption		W	50	58	95	130	190	
Water flow	Cooling	m³/h	0.5	0.64	0.97	1.25	1.83	
	Heating		0.33	0.42	0.64	0.82	1.21	
Pressure loss	Cooling	kPa	13	22	25	23	33	
	Heating		8	13	15	15	23	
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	ø26	ø26	ø26	ø26	ø26	
Dimensions LxWxH	Unit	mm	590 x 590 x 242	590 x 590 x 242	750 x 750 x 242	840 x 840 x 242	840 x 840 x 292	
	Panel		650 x 650 x 30	650 x 650 x 30	850 x 850 x 30	950 x 950 x 30	950 x 950 x 30	
Weight	Unit	kg	20	20	25.5	27.5	29.5	
	Panel		2.2	2.2	4.2	5	5	

* 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			CSF2 30	CSF2 40	CSF2 60	CSF2 70	CSF2 110
Power supply			230V, 50Hz				
Air volume	Speed						
	High	m³/h	550	680	1050	1380	2050
	Middle		440	540	840	1100	1640
	Low		330	410	630	810	1230
Cooling capacity*	Total	High	3000	3800	5800	7500	11000
	Sensible		2200	2850	4250	5500	8250
	Total	Middle	2550	3250	4950	6400	9350
	Sensible		1800	2350	3500	4550	6850
	Total	Low	2050	2600	4000	5200	7600
	Sensible		1400	1850	2800	3600	5450
Heating capacity**	High	W	4700	5900	9000	11600	17100
	Middle		3900	5000	7650	9850	14550
	Low		3150	3950	6050	7750	11450
Noise pressure	High	dB(A)	39	42	44	46	50
	Middle		33	35	37	39	42
	Low		27	29	32	33	36
Max. el. consumption		W	23	28	54	78	113
Maximum water flow		m³/h	0.51	0.65	0.99	1.28	1.87
Pressure loss		kPa	13	22	25	23	33
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	ø20	ø20	ø20	ø20	ø20
Dimensions LxWxH	Unit	mm	590 x 590 x 242	590 x 590 x 242	750 x 750 x 242	840 x 840 x 242	840 x 840 x 292
	Panel		650 x 650 x 30	650 x 650 x 30	850 x 850 x 30	950 x 950 x 30	950 x 950 x 30
Weight	Unit	kg	20	20	25.5	27.5	29.5
	Panel		2.2	2.2	4.2	5	5

* 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			CSF4 30	CSF4 40	CSF4 60	CSF4 70	CSF4 110	
Power supply			230V, 50Hz					
		Speed						
Air volume		High	m³/h	520	650	1000	1320	1950
		Middle		420	510	800	1050	1560
		Low		310	390	600	790	1170
Cooling capacity*	Total	High	W	2950	3700	5700	7350	10800
	Sensible			2150	2800	4150	5400	8100
	Total	Middle		2500	3200	4850	6250	9150
	Sensible			1750	2300	3450	4450	6700
	Total	Low		2000	2550	3900	5100	7450
	Sensible			1350	1800	2750	3550	5350
Heating capacity**		High	W	3000	3750	5750	7400	10900
		Middle		2550	3200	4850	6250	9250
		Low		2000	2500	3850	4950	7300
Noise pressure		High	dB(A)	41	43	45	46	51
		Middle		34	36	38	39	43
		Low		28	30	32	33	37
Max. el. consumption		W	23	28	54	78	113	
Water flow	Cooling	m³/h	0.5	0.64	0.97	1.25	1.83	
	Heating		0.33	0.42	0.64	0.82	1.21	
Pressure loss	Cooling	kPa	13	22	25	23	33	
	Heating		8	13	15	15	23	
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	ø26	ø26	ø26	ø26	ø26	
Dimensions LxWxH	Unit	mm	590 x 590 x 242	590 x 590 x 242	750 x 750 x 242	840 x 840 x 242	840 x 840 x 292	
	Panel		650 x 650 x 30	650 x 650 x 30	850 x 850 x 30	950 x 950 x 30	950 x 950 x 30	
Weight	Unit	kg	20	20	25.5	27.5	29.5	
	Panel		2.2	2.2	4.2	5	5	

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

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

REMOTE CONTROL



- **Mode Selection:** Auto, Heating, Cooling, Dehumidification, Ventilation
- **Temperature Adjustment:** Allows precise control over the environment.
- **Swing Amplitude Adjustment:** Customizes the extent of oscillation.
- **Air Flow Direction Adjustment:** Directs the air exactly where needed.
- **Sleep Mode:** Optimizes the environment for better sleep conditions.
- **Timer:** Enables setting specific operating times.

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)

Opens / closes thermostatic valve



Voltage 230V DC
(ON/OFF)

Order code: **A230NC**



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