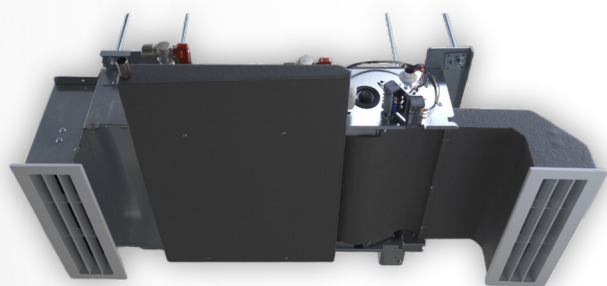


TEL

termoelektronika

EV TEL

fan coil units



EXTRA QUIET (21 - 42 dB)

QUICK INSTALLATION

5 YEAR WARRANTY



MADE IN EU

EASY MAINTENANCE



Wi-Fi THERMOSTAT



 www.termoelektronika.hr

Fan coil unit characteristics

- Quietest fan coil unit on the market, from 21 to 42 dB
- All components are made from metal, including the German-made PUNKER aluminum crossflow fan
- 3-row heat exchanger
- Brushless DC motor with 6 different speed combinations
- INOX stainless steel condensate drain pan, with screws for angle adjustment
- All parts are isolated with 3 mm self-adhesive waterproof foil, while the back side has a 5 mm thick foil
- All units have a 3-way valve with actuator and ball valves for quick water installation
- Wi-Fi thermostat, mountable on the unit or on the wall

Fan coil unit description

Fan coil units are an all-in-one solution for cooling, heating, and dehumidifying rooms. Fan coil units have high energy efficiency as they can be combined with low-temperature heat generators.

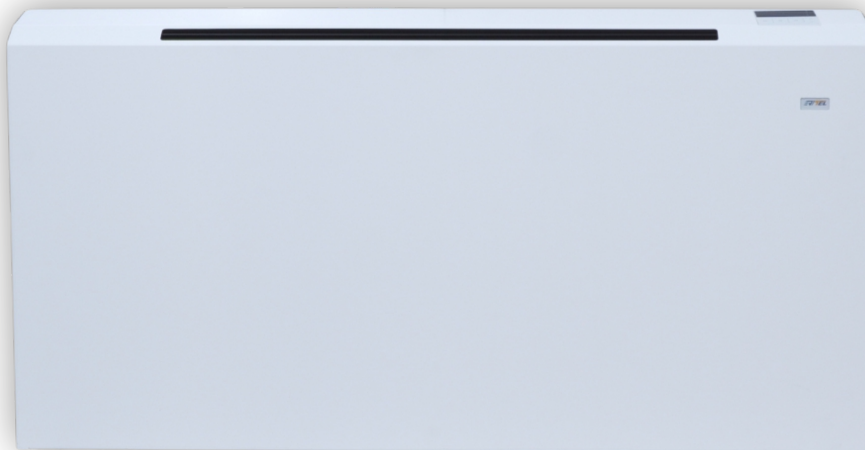
Thanks to the sophisticated temperature regulation the device guarantees comfort during all seasons. The device heats up and cools down quickly and is able to maintain temperature with minimal sound.

Fan coil units have an efficient and natural heat convection effect similar to a radiator, which significantly reduces the need for turning on the ventilation system. The unobtrusive design and slim profile of 135 make the fan coil units fit easily into any space and furnishing style.

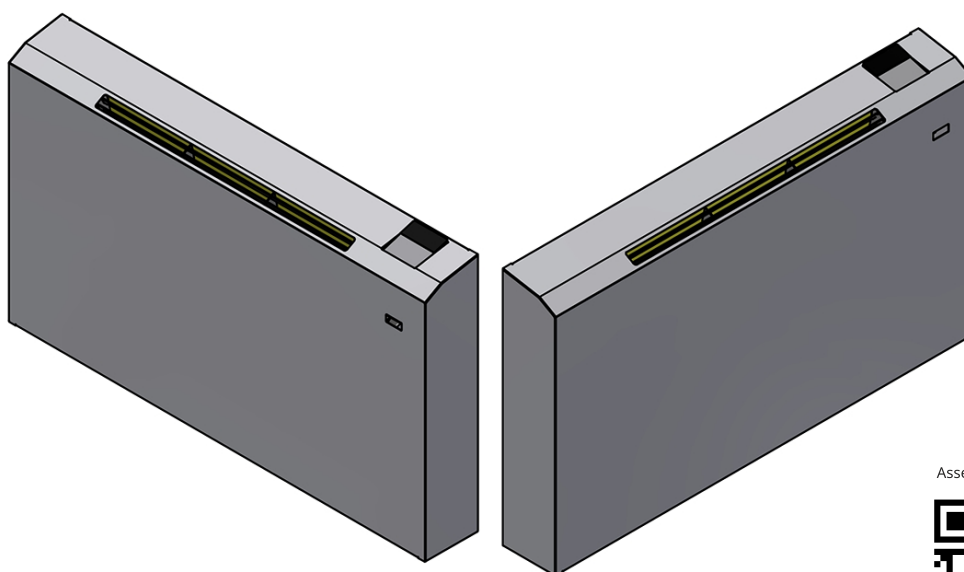
We are offering 4 models of fan coil units:

1. **EVITEL VK. PAR** - wall-mounted fan coil unit, 4 capacity versions (1 kW–4,2 kW)
2. **EVITEL VK . UGR** - built-in fan coil unit, 4 capacity versions (1 kW–4,2 kW)
3. **EVITEL VK . PS** - concealed ceiling fan coil unit into drywall, 4 capacity versions (1 kW–4,2 kW) with two versions of each, air intake and air outlet, air filter and grilles
4. **EVITEL VK . PS-M** - concealed ceiling fan coil unit into drywall, 4 capacity versions (1 kW–4,2 kW) with two versions of each, air intake and air outlet, air filter, grilles and fan coil cover. Standard color is RAL 9016 white. You can custom order any other RAL color.

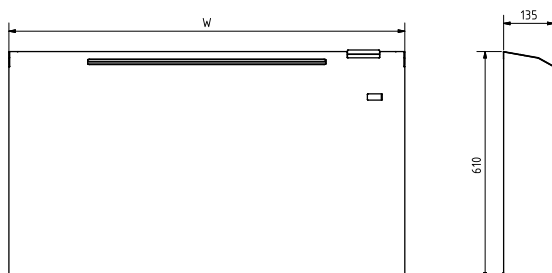
WALL-MOUNTED FAN COIL UNIT



WALL-MOUNTED FAN COIL UNIT



Assembly and installation



FAN COIL MODELS				
Model	W	H	Heating 50/45°C (W)	Cooling 7/12°C (W)
VKS 1 PAR	800	610	1700	1000
VKS 1.5 PAR	930	610	2600	1500
VKS 2 PAR	1060	610	3300	2000
VKS 3 PAR	1190	610	4200	2500

Rated technical data model VK (two-pipe unit - one coil)					
Model		VK 01	VK 1.5	VK 02	VK 03
Total cooling capacity (1)	W	1.300	2.000	2.600	3.250
Sensible cooling capacity (1)	W	1.000	1.500	2.000	2.500
Heating capacity (2)	W	2.900	4.400	5.600	7.100
Heating capacity (3)	W	1.700	2.600	3.300	4.200
Rated air flow (4)	m ³ /h	250	320	400	500
Water flow rate (5)	Cooling	l/h	196	230	263
	Heating	l/h	250	30	343
Losses of water height (6)	Cooling	kPa	4,25	7	9,75
	Heating	kPa	3,0	5,0	6,0
Sound pressure (Vmin/Vmed/Vmax) (7)	dB(A)	23/34/40	21/33/40	22/34/41	21/35/42
Motors/Fans	N/N	1/1			
Rated power absorption (8)	W	10	10	15	20
	A	0,043	0,055	0,065	0,087
Electrical power supply		230 VAC, 50 Hz			
Cold/hot coil rows	Nr.	3	3	3	3
Hydraulic fittings	DN	1/2" F	1/2" F	1/2" F	1/2" F
Condensate drainage outlet	mm	16			

Technical data referred to the following conditions:

Standard unit - atmospheric pressure 1013 mbar - electrical power supply 230 VAC/1 Ph/50 Hz.

(1) Water temperature at the heat exchanger inlet +7 °C, water temperature at the heat exchanger outlet +12 °C
air temperature in the room +27 °C dry bulb and +19 °C wet bulb. (standard UNI EN 1397)

(2) Water temperature at the heat exchanger inlet +70 °C, water temperature at the heat exchanger outlet +60 °C
air temperature in the room +20 °C

(3) Water temperature at the entrance to the heat exchanger +50 °C, air flow as for cooling, air temperature
in the room +20 °C (standard UNI EN 1397)

(4) Airflow measured with clean filters

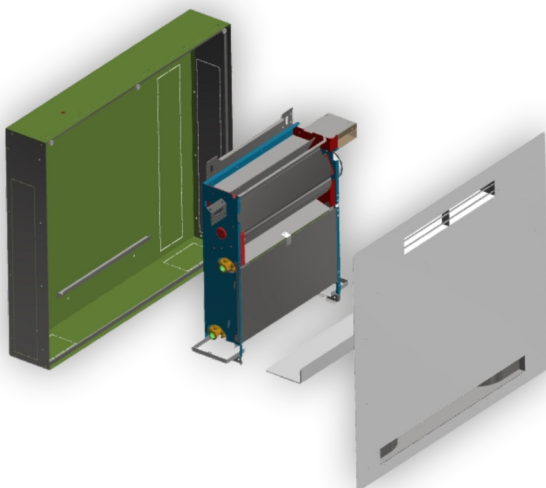
(5) Water flow

(6) Losses of water height

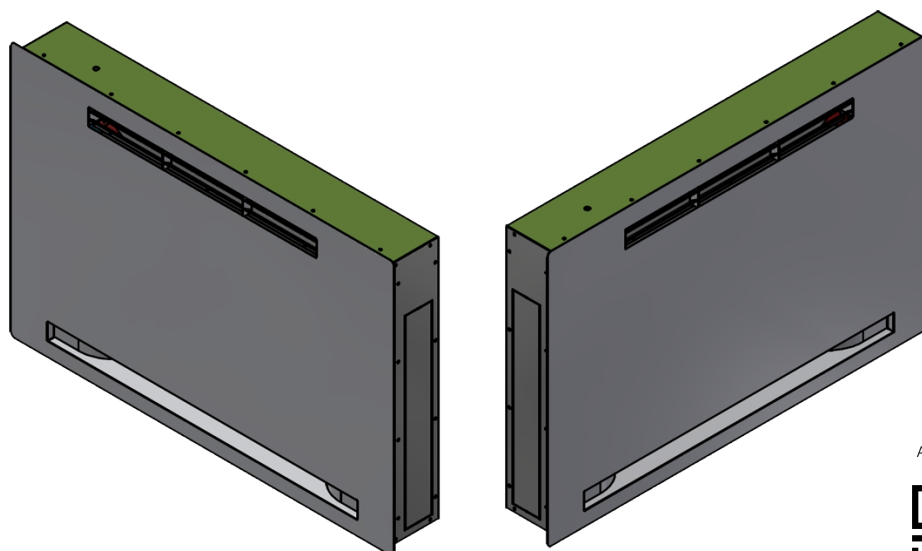
(7) Sound pressure: sound pressure in free field environment, distance 1 m.

(8) Maximum consumption of electricity

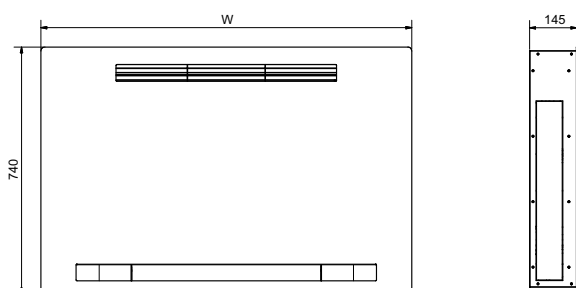
BUILT-IN FAN COIL UNIT



BUILT-IN FAN COIL UNIT



Assembly and installation



FAN COIL MODELS				
Model	W	H	Heating 50/45°C (W)	Cooling 7/12°C (W)
VKS 1 UGR	850	740	1700	1000
VKS 1.5 UGR	980	740	2600	1500
VKS 2 UGR	1110	740	3300	2000
VKS 3 UGR	1200	740	4200	2500

Rated technical data model VK (two-pipe unit - one coil)					
Model		VK 01	VK 1.5	VK 02	VK 03
Total cooling capacity (1)	W	1.300	2.000	2.600	3.250
Sensible cooling capacity (1)	W	1.000	1.500	2.000	2.500
Heating capacity (2)	W	2.900	4.400	5.600	7.100
Heating capacity (3)	W	1.700	2.600	3.300	4.200
Rated air flow (4)	m ³ /h	250	320	400	500
Water flow rate (5)	Cooling	l/h	196	230	263
	Heating	l/h	250	30	343
Losses of water height (6)	Cooling	kPa	4,25	7	9,75
	Heating	kPa	3,0	5,0	6,0
Sound pressure (Vmin/Vmed/Vmax) (7)	dB(A)	23/34/40	21/33/40	22/34/41	21/35/42
Motors/Fans	N/N	1/1			
Rated power absorption (8)	W	10	10	15	20
	A	0,043	0,055	0,065	0,087
Electrical power supply		230 VAC, 50 Hz			
Cold/hot coil rows	Nr.	3	3	3	3
Hydraulic fittings	DN	1/2" F	1/2" F	1/2" F	1/2" F
Condensate drainage outlet	mm	16			

Technical data referred to the following conditions:

Standard unit - atmospheric pressure 1013 mbar - electrical power supply 230 VAC/1 Ph/50 Hz.

(1) Water temperature at the heat exchanger inlet +7 °C, water temperature at the heat exchanger outlet +12 °C
air temperature in the room +27 °C dry bulb and +19 °C wet bulb. (standard UNI EN 1397)

(2) Water temperature at the heat exchanger inlet +70 °C, water temperature at the heat exchanger outlet +60 °C
air temperature in the room +20 °C

(3) Water temperature at the entrance to the heat exchanger +50 °C, air flow as for cooling, air temperature
in the room +20 °C (standard UNI EN 1397)

(4) Airflow measured with clean filters

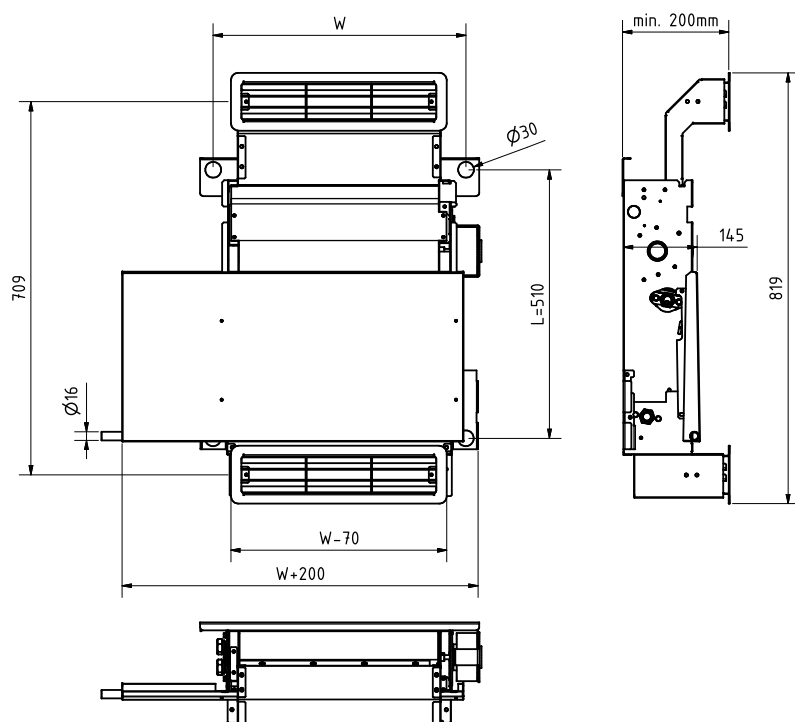
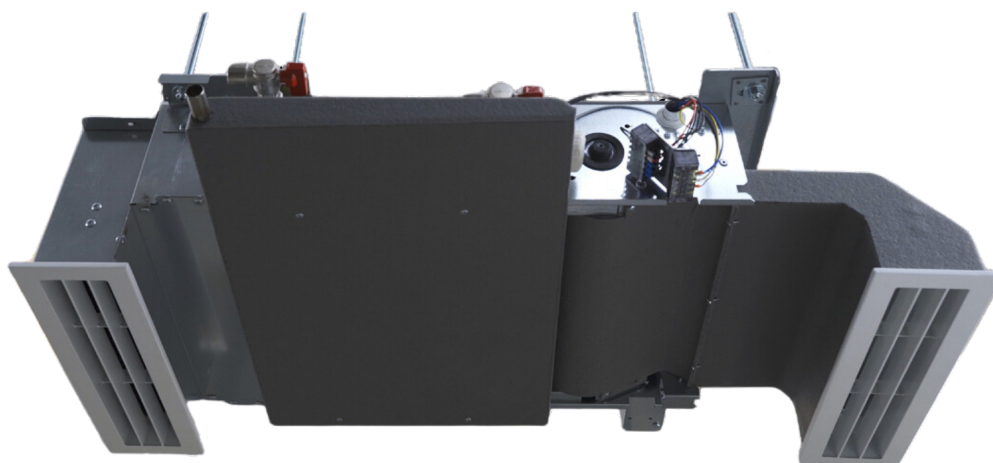
(5) Water flow

(6) Losses of water height

(7) Sound pressure: sound pressure in free field environment, distance 1 m.

(8) Maximum consumption of electricity

CONCEALED CEILING FAN COIL UNIT INTO DRYWALL

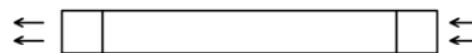


Versions of inlet/outlet of air

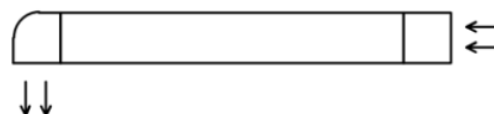
1. version



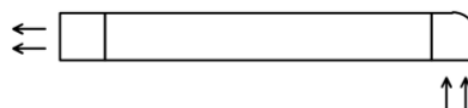
2. version



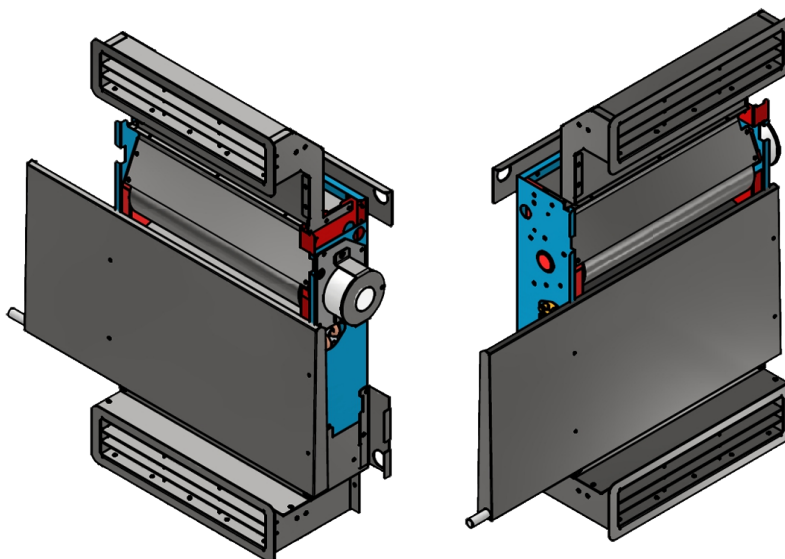
3. version



4. version



CONCEALED CEILING FAN COIL UNIT INTO DRYWALL



Note: W and L is distance between mounting holes.

FAN COIL MODELS				
Model	W	L	Heating 50/45°C (W)	Cooling 7/12°C (W)
VKS 1 PS	480	510	1700	1000
VKS 1.5 PS	610	510	2600	1500
VKS 2 PS	740	510	3300	2000
VKS 3 PS	870	510	4200	2500

Assembly and installation



Rated technical data model VK (two-pipe unit - one coil)						
Model			VK 01	VK 1.5	VK 02	VK 03
Total cooling capacity (1)		W	1.300	2.000	2.600	3.250
Sensible cooling capacity (1)		W	1.000	1.500	2.000	2.500
Heating capacity (2)		W	2.900	4.400	5.600	7.100
Heating capacity (3)		W	1.700	2.600	3.300	4.200
Rated air flow (4)		m ³ /h	250	320	400	500
Water flow rate (5)	Cooling	l/h	196	230	263	333
	Heating	l/h	250	30	343	433
Losses of water height (6)	Cooling	kPa	4,25	7	9,75	12,5
	Heating	kPa	3,0	5,0	6,0	8,0
Sound pressure (Vmin/Vmed/Vmax) (7)		dB(A)	23/34/40	21/33/40	22/34/41	21/35/42
Motors/Fans		N/N	1/1			
Rated power absorption (8)	W		10	10	15	20
	A		0,043	0,055	0,065	0,087
Electrical power supply			230 VAC, 50 Hz			
Cold/hot coil rows		Nr.	3	3	3	3
Hydraulic fittings		DN	1/2" F	1/2" F	1/2" F	1/2" F
Condensate drainage outlet		mm	16			

Technical data referred to the following conditions:

Standard unit - atmospheric pressure 1013 mbar - electrical power supply 230 VAC/1 Ph/50 Hz.

(1) Water temperature at the heat exchanger inlet +7 °C, water temperature at the heat exchanger outlet +12 °C
air temperature in the room +27 °C dry bulb and +19 °C wet bulb. (standard UNI EN 1397)

(2) Water temperature at the heat exchanger inlet +70 °C, water temperature at the heat exchanger outlet +60 °C
air temperature in the room +20 °C

(3) Water temperature at the entrance to the heat exchanger +50 °C, air flow as for cooling, air temperature
in the room +20 °C (standard UNI EN 1397)

(4) Airflow measured with clean filters

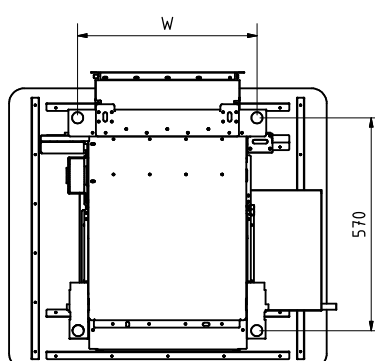
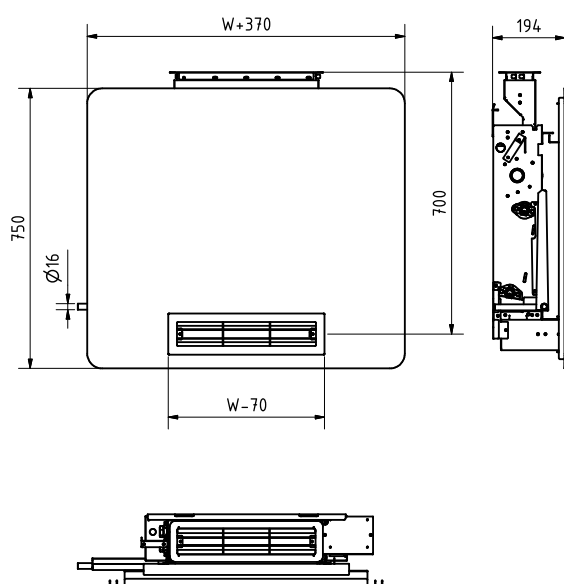
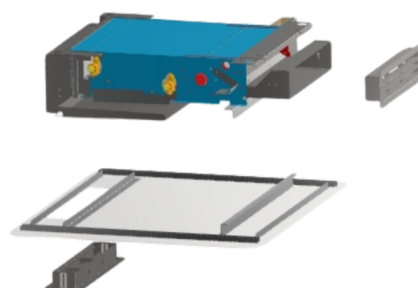
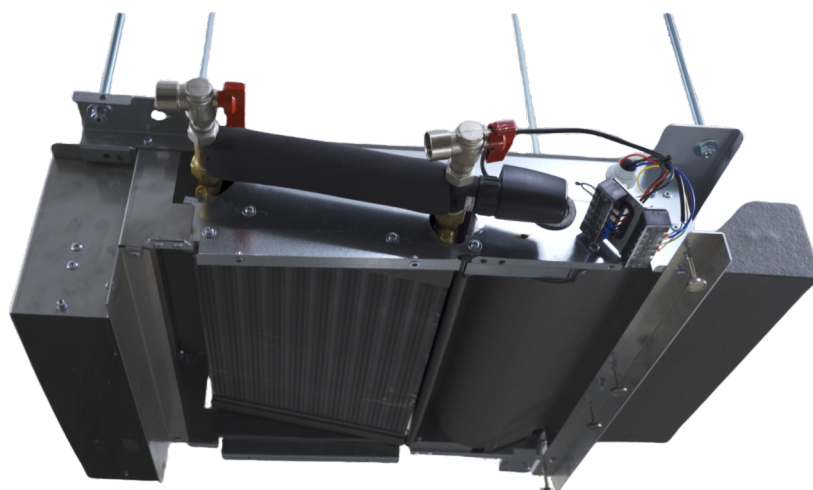
(5) Water flow

(6) Losses of water height

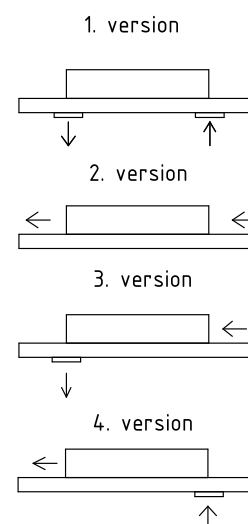
(7) Sound pressure: sound pressure in free field environment, distance 1 m.

(8) Maximum consumption of electricity

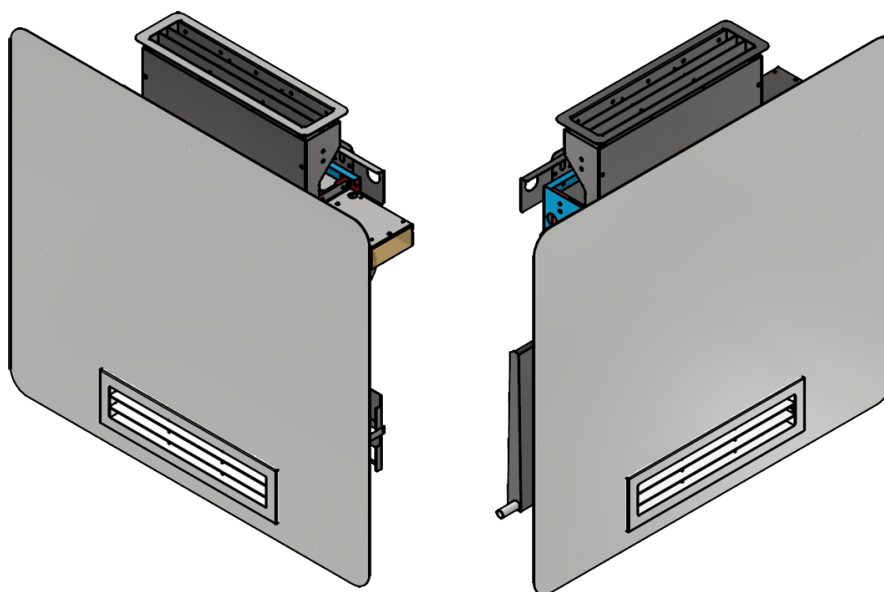
CONCEALED CEILING FAN COIL UNIT WITH COVER



Versions of inlet/outlet of air



CONCEALED CEILING FAN COIL UNIT WITH COVER



Note: W and L is distance between mounting holes.

FAN COIL MODELS				
Model	W	H	Heating 50/45°C (W)	Cooling 7/12°C (W)
VKS 1 PS-M	480	570	1700	1000
VKS 1.5 PS-M	610	570	2600	1500
VKS 2 PS-M	740	570	3300	2000
VKS 3 PS-M	870	570	4200	2500

Assembly and installation



Rated technical data model VK (two-pipe unit - one coil)						
Model			VK 01	VK 1.5	VK 02	VK 03
Total cooling capacity (1)		W	1.300	2.000	2.600	3.250
Sensible cooling capacity (1)		W	1.000	1.500	2.000	2.500
Heating capacity (2)		W	2.900	4.400	5.600	7.100
Heating capacity (3)		W	1.700	2.600	3.300	4.200
Rated air flow (4)		m ³ /h	250	320	400	500
Water flow rate (5)	Cooling	l/h	196	230	263	333
	Heating	l/h	250	30	343	433
Losses of water height (6)	Cooling	kPa	4,25	7	9,75	12,5
	Heating	kPa	3,0	5,0	6,0	8,0
Sound pressure (Vmin/Vmed/Vmax) (7)		dB(A)	23/34/40	21/33/40	22/34/41	21/35/42
Motors/Fans		N/N	1/1			
Rated power absorption (8)	W		10	10	15	20
	A		0,043	0,055	0,065	0,087
Electrical power supply			230 VAC, 50 Hz			
Cold/hot coil rows		Nr.	3	3	3	3
Hydraulic fittings		DN	1/2" F	1/2" F	1/2" F	1/2" F
Condensate drainage outlet		mm	16			

Technical data referred to the following conditions:

Standard unit - atmospheric pressure 1013 mbar - electrical power supply 230 VAC/1 Ph/50 Hz.

(1) Water temperature at the heat exchanger inlet +7 °C, water temperature at the heat exchanger outlet +12 °C
air temperature in the room +27 °C dry bulb and +19 °C wet bulb. (standard UNI EN 1397)

(2) Water temperature at the heat exchanger inlet +70 °C, water temperature at the heat exchanger outlet +60 °C
air temperature in the room +20 °C

(3) Water temperature at the entrance to the heat exchanger +50 °C, air flow as for cooling, air temperature
in the room +20 °C (standard UNI EN 1397)

(4) Airflow measured with clean filters

(5) Water flow

(6) Losses of water height

(7) Sound pressure: sound pressure in free field environment, distance 1 m.

(8) Maximum consumption of electricity

TERMoeLEKTRONIKA

We are passionate about making our own heating and cooling devices. We are also specialists for selling and installing heat pumps and HVAC systems.

For the past 6 years we've been developing "Evitel" fan coil units. During the process we sold and installed various versions of units in order to get feedback from field technicians. That process made installation and maintenance in the current version very easy.

We make "Evitel" fan coil units with high-quality materials and parts. Fan coil units come in 4 sizes and 3 types: wall-mounted, built-in and concealed ceiling. We've been able to deliver approximately 2000 units with only 0,55% margin of error.

Termoelektronika d.o.o.

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vCard business data



Installation videos