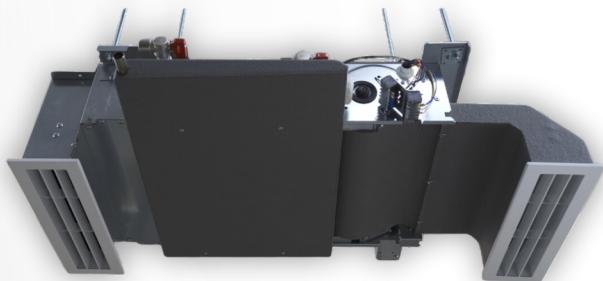




termoelektronika

EVTEL

**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.

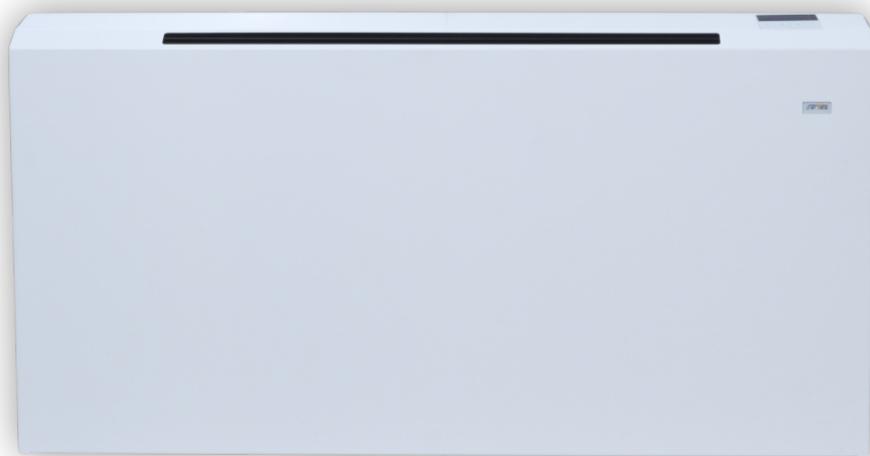
Thanks to the sophisticated temperature regulation the device guarantees comfort during all seasons. The device heats up and cools down quickly and is able to maintain temperature with minimal sound.

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.

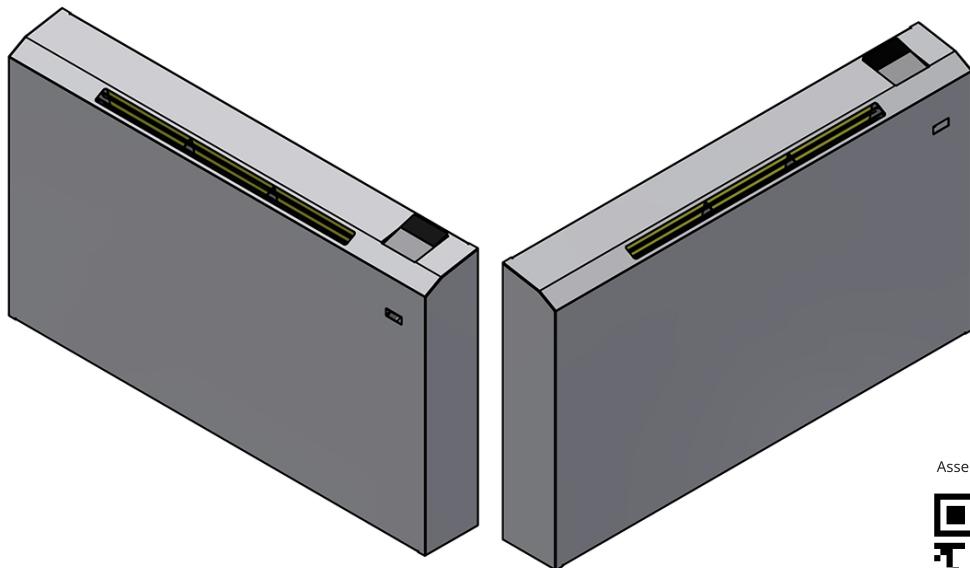
We are offering 4 models of fan coil units:

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.

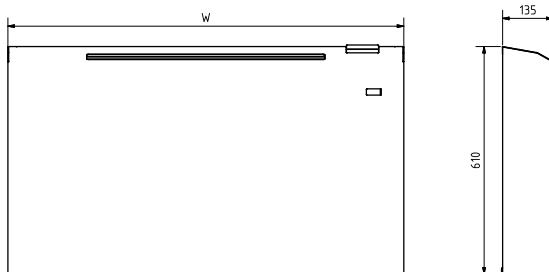
WALL-MOUNTED FAN COIL UNIT



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 | 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

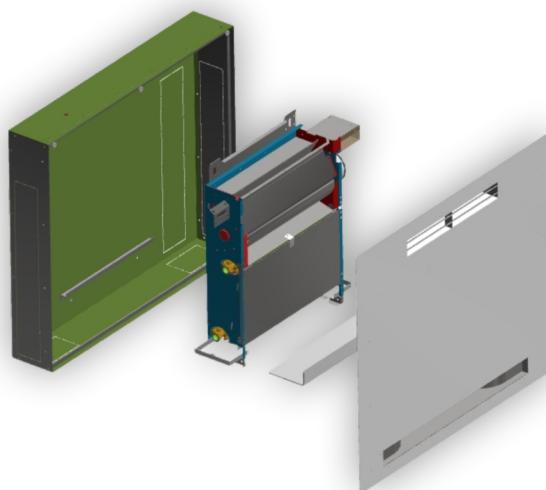
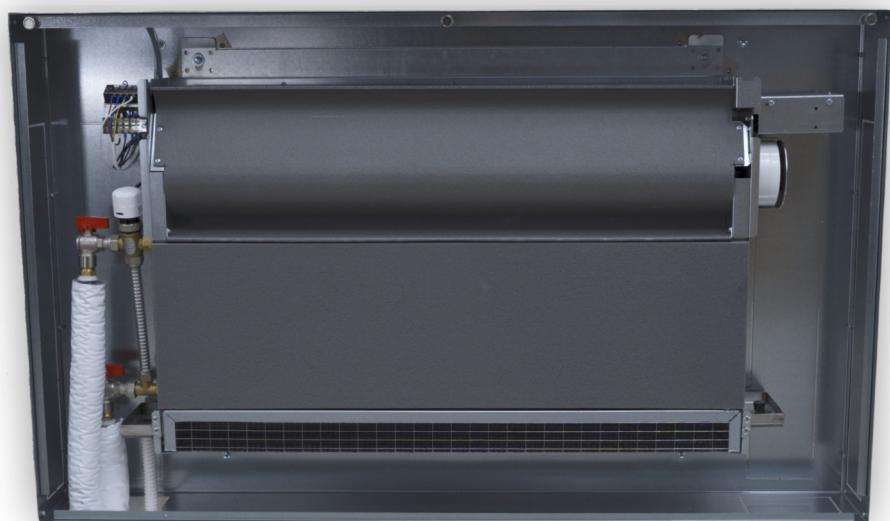
(5) Water flow

(6) Losses of water height

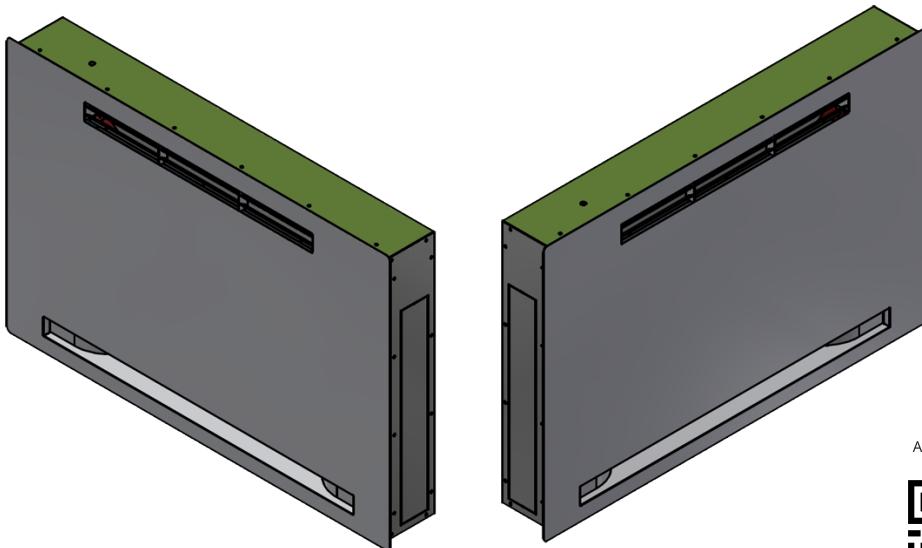
(7) Sound pressure: sound pressure in free field environment, distance 1 m.

(8) Maximum consumption of electricity

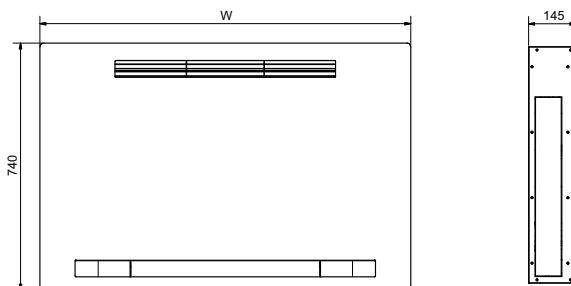
BUILT-IN FAN COIL UNIT



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 | 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

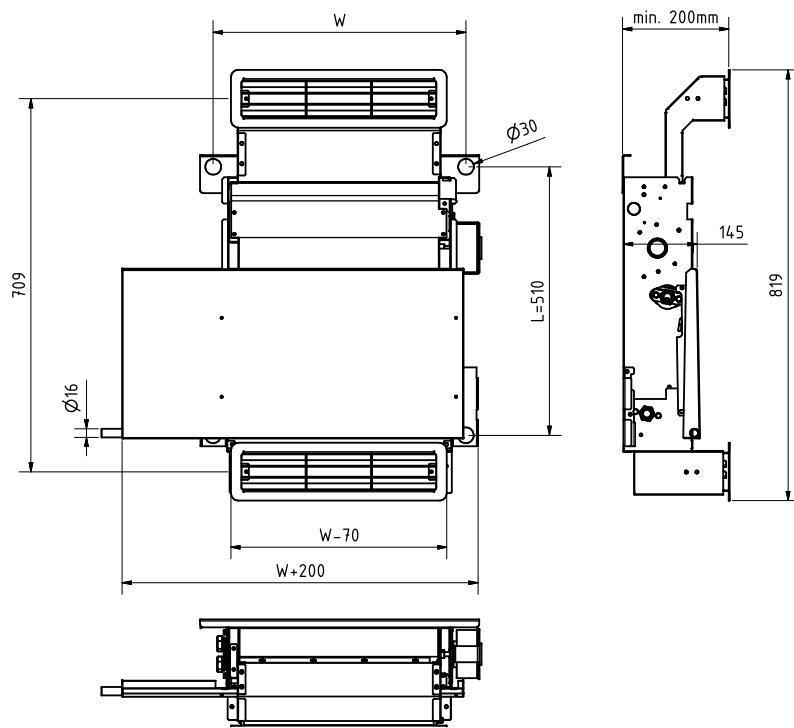
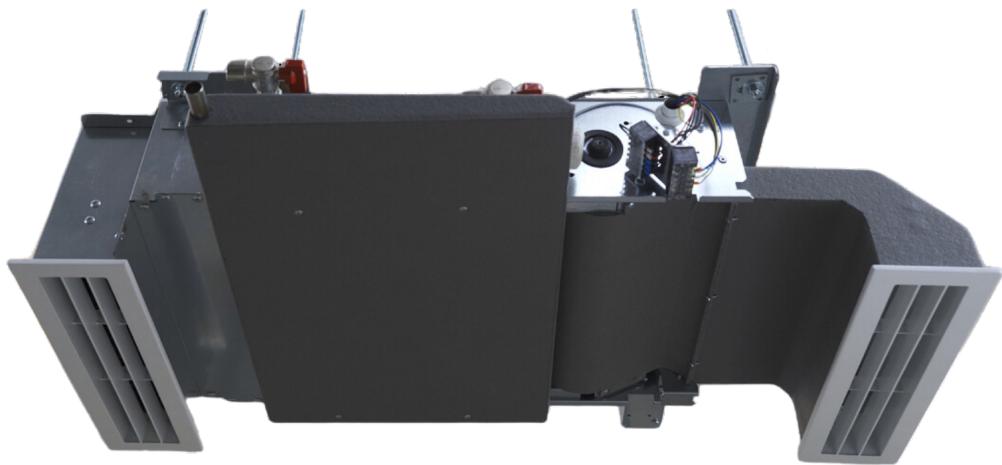
(5) Water flow

(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 INTO DRYWALL

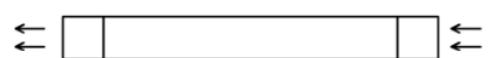


Versions of inlet/outlet of air

1. version



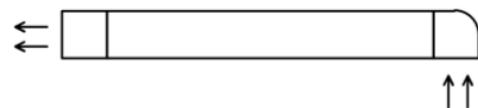
2. version



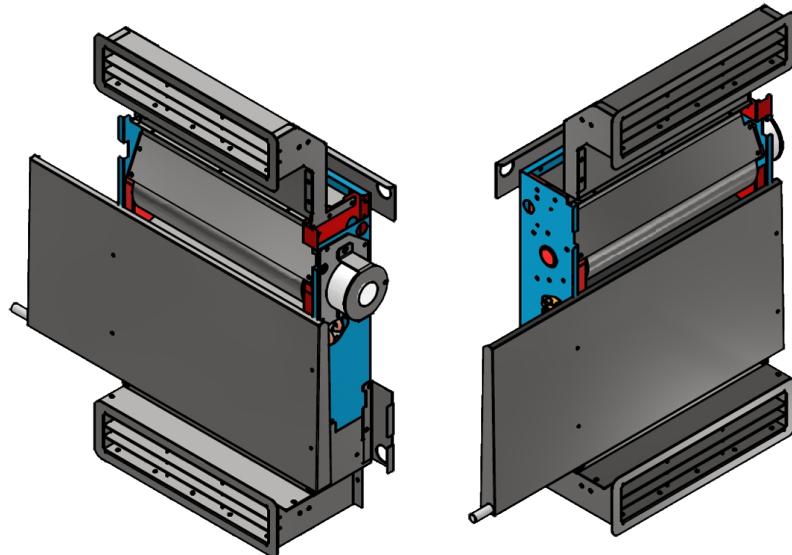
3. version



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) | m³/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 |
| 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

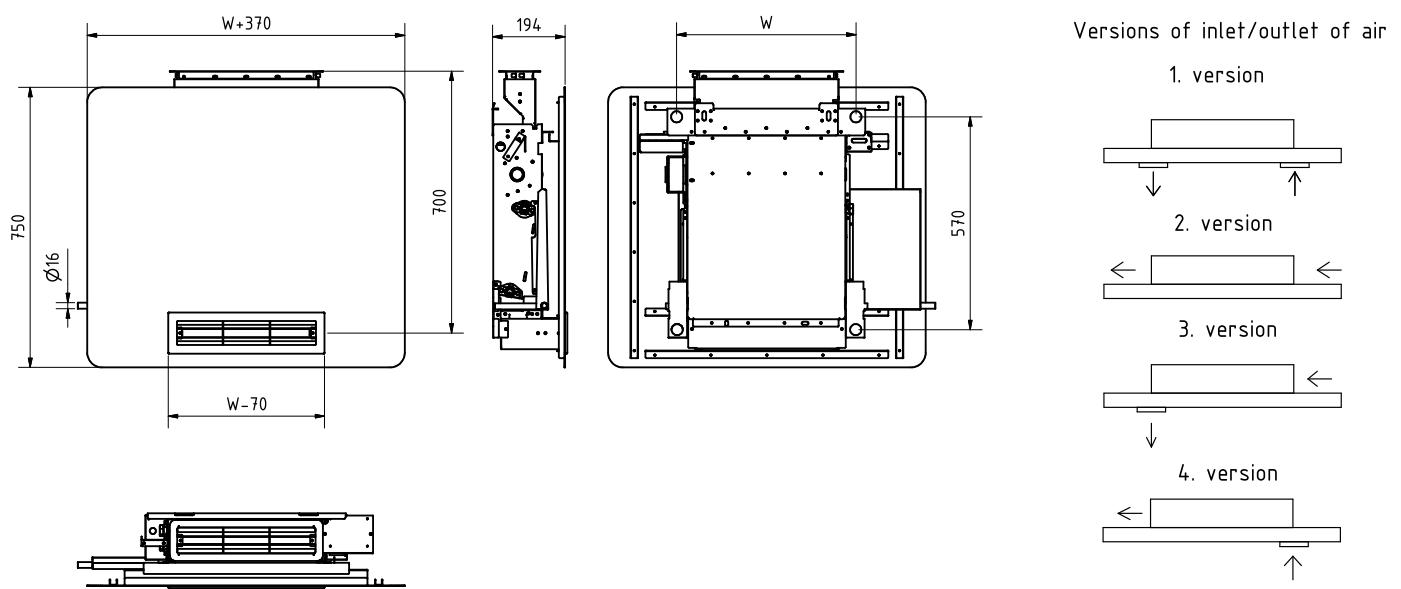
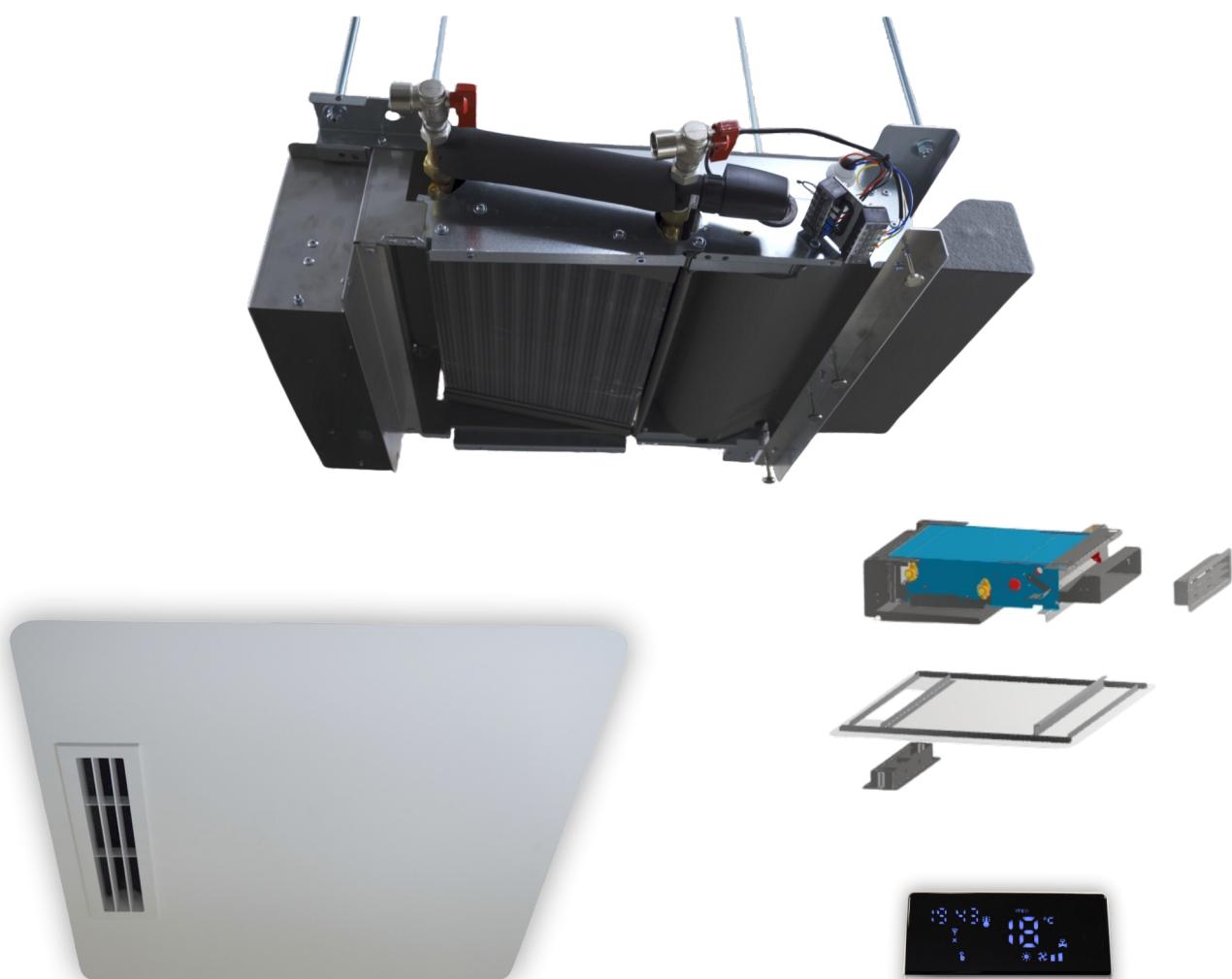
(5) Water flow

(6) Losses of water height

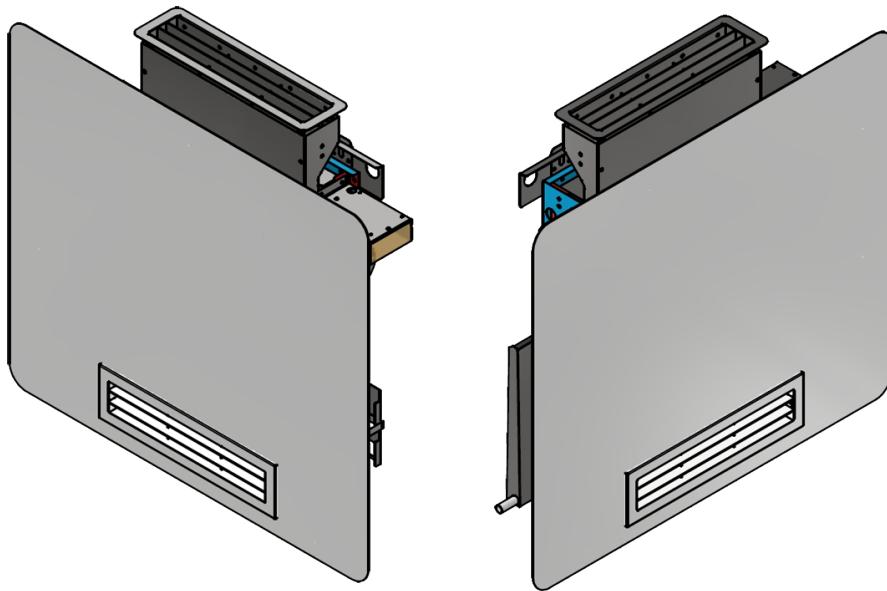
(7) Sound pressure: sound pressure in free field environment, distance 1 m.

(8) Maximum consumption of electricity

CONCEALED CEILING FAN COIL UNIT WITH COVER



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 |
| | 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 |
| 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.

Ladovići 32, Kalinovica

10436 Rakov Potok, Croatia

📞 GSM: +385 98 909 1112

🌐 www.termoelektronika.hr

✉️ termoelektronika@gmail.com



vCard business data



Installation videos