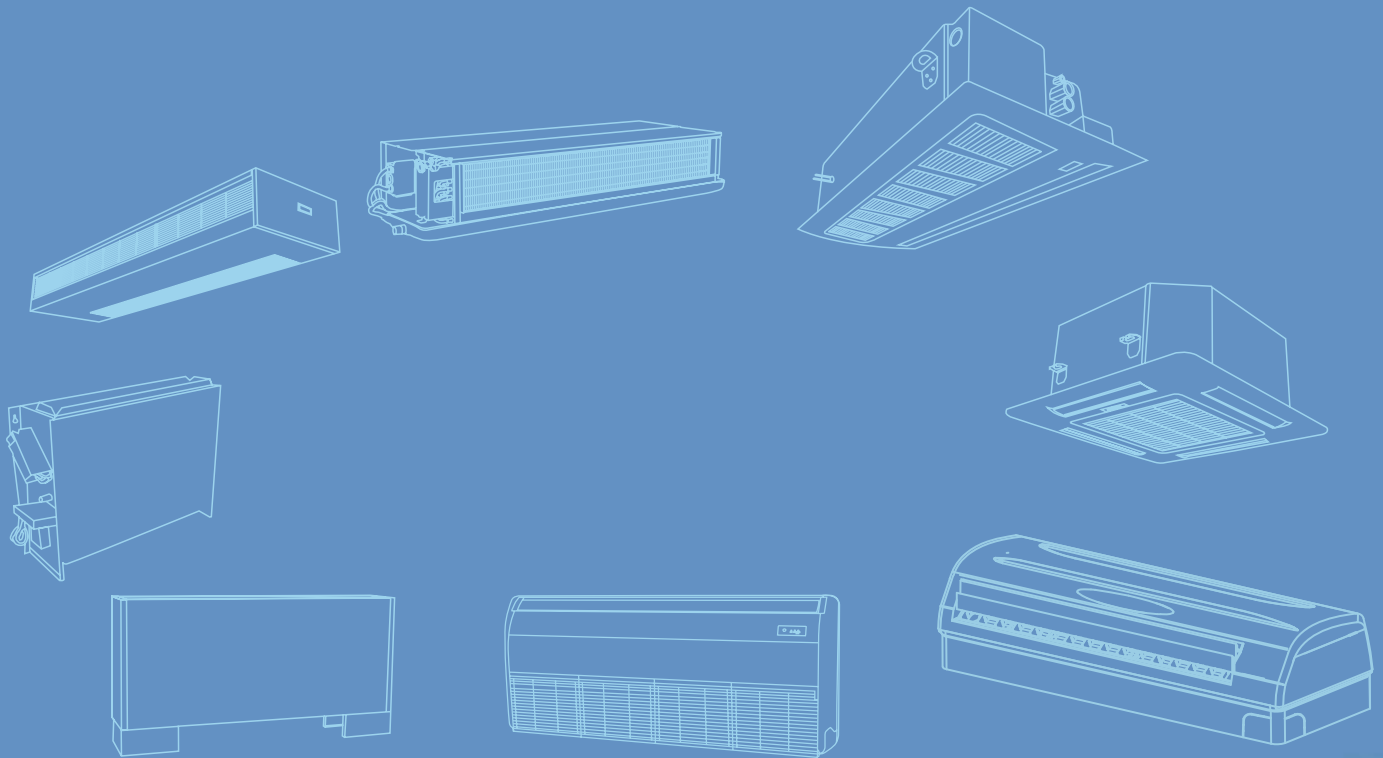


# Fan coil Unit

**Air flow:** 170m<sup>3</sup>/h-2380m<sup>3</sup>/h



*We help our customers*

**SUCCEED**

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Manufactured in an ISO Certified Facility

Information covers EuroKlimat products at the time of publication  
and we reserve the right to make changes in design and construction at anytime without prior notice.

## ***EUROKLIMAT Air Conditioner, Environmental & Energy-saving Technology from Europe.***



EK Italy Headquarters



EUROKLIMAT (EK) was established in 1963 in Italy. For the past half a century, it has become famous as an energy-saving air-conditioning manufacturer in Italy and globally. Continuous innovation, new product development and top manufacturing quality are the driving force behind this growth.

EUROKLIMAT (EK) pursues the ideals of protecting the environment, providing physical comfort and adopting energy-saving into the whole process of product R&D, manufacturing and service. Our products covering residential, commercial and close control air-conditioner are manufactured according to the global generally accepted standards.



# Overview and Product Series

## Overview

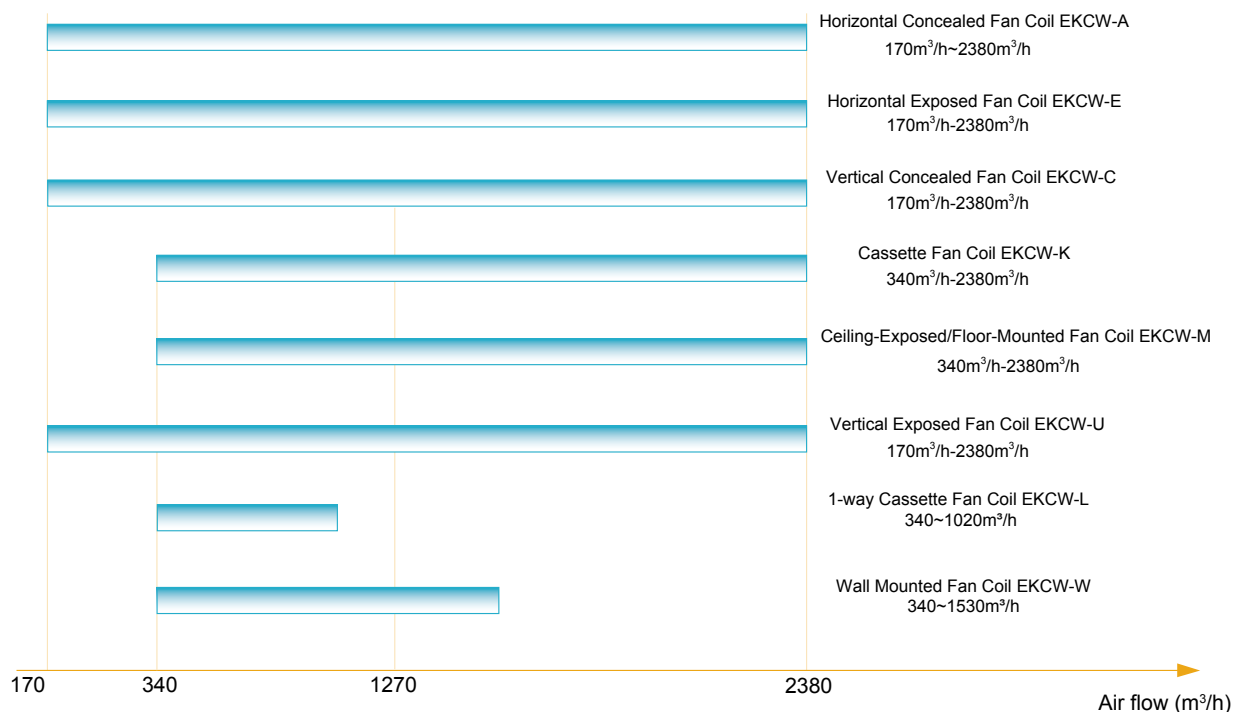
Since its establishment in 1963, EuroKlimat has been providing high-quality air handling systems to the market, and has achieved remarkable performances in various products it provides.

EK series air conditioning fan coils are cost-effective products customized for the Chinese Market. The products feature leading-edge manufacturing processes of EK. They are compact, easy to installed and maintain, efficient, and produce little noise.

Currently, EK provides fan coils of nearly ten thousand models in five series, including horizontal concealed fan coils, vertical concealed fan coils, horizontal exposed fan coils, card fan coils, and ceiling-exposed/floor-mounted fan coils.

EK fan coils feature lead-edge air processing technologies and outstanding quality of EuroKlimat, and are the most favored terminals for central air-conditioning systems.

## Product Series



# Cassette Fan Coil EKCW-K

## Wide-Angle and Strong Circular Air Supply

The unit features elegant panel and edge design and can be flexibly installed. It provides wide-angle circular air with a strong and even current. Air is supplied to all corners of the room, making indoor space feels natural and comfortable.

## Compact Design and Easy Installation

The unit features a compact design with a super-thin and streamlined front panel(30 mm thick), and can be installed inside a narrow space in the ceiling.



## Vertical and Even Air Supply

It provides wide-angle circular air with a strong and even current. For rooms with high ceilings, the unit can also quickly supply air to all corners, making air in the room immediately feels comfortable.

## Scroll Fan with Low Operation Sound

Featuring aerodynamic principles, the fan has three spiral blades that are optimally placed to reduce air resistance and operation sound.

## Nomenclature

|             |             |          |          |           |          |           |          |
|-------------|-------------|----------|----------|-----------|----------|-----------|----------|
| <b>EKCW</b> | <b>1000</b> | <b>K</b> | <b>T</b> | <b>B—</b> | <b>A</b> | <b>AA</b> | <b>E</b> |
| 1           | 2           | 3        | 4        | 5         | 6        | 7         | 8        |

- |    |      |                                                                                                                   |
|----|------|-------------------------------------------------------------------------------------------------------------------|
| 1. | EKCW | EK Fan Coil Unit                                                                                                  |
| 2. | 1000 | Rated air flow                                                                                                    |
| 3. | K    | Cassette Fan Coil                                                                                                 |
| 4. | T    | Coil type            T - dual pipe units; M - Quad pipe units                                                     |
| 5. | B    | Design serial No.                                                                                                 |
| 6. | A    | Power supply:    A - 220V~/50Hz; Export: 220 - 240V~/50Hz                                                         |
| 7. | AA   | Detailed product specification                                                                                    |
| 8. | E    | Market code:        Default - mainland China;<br>D - Hong Kong and Macao, China;<br>E - standard model for export |

## Specifications

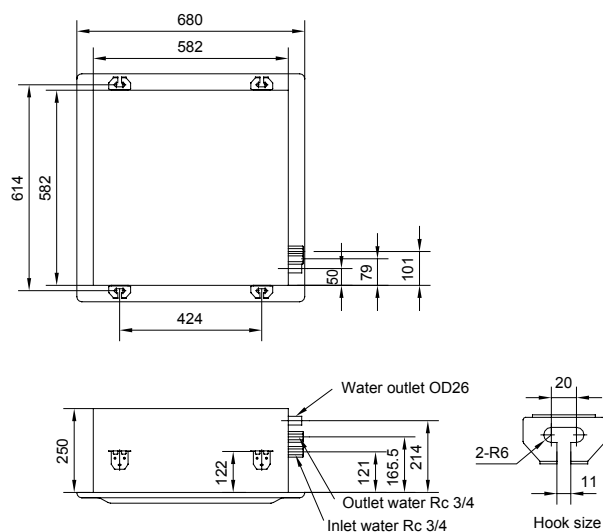
| Model                         |                   |                                                                                                | EKCW<br>300KT | EKCW<br>400KT | EKCW<br>500KT | EKCW<br>600KT | EKCW<br>800KT | EKCW<br>1000KT | EKCW<br>1200KT | EKCW<br>1400KT |
|-------------------------------|-------------------|------------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| air flow                      | H                 | m <sup>3</sup> /h                                                                              | 550           | 680           | 850           | 1020          | 1360          | 1700           | 2040           | 2380           |
|                               | M                 | m <sup>3</sup> /h                                                                              | 500           | 550           | 740           | 850           | 1210          | 1360           | 1700           | 1900           |
|                               | L                 | m <sup>3</sup> /h                                                                              | 450           | 500           | 660           | 740           | 980           | 1210           | 1360           | 1540           |
| cooling capacity              | H                 | W                                                                                              | 2700          | 3600          | 4500          | 5400          | 7200          | 9000           | 10800          | 12600          |
| heating capacity              | H                 | W                                                                                              | 4050          | 5400          | 6750          | 8100          | 10800         | 13500          | 16200          | 18900          |
| Noise                         | H                 | dB(A)                                                                                          | 39            | 41            | 43            | 45            | 46            | 48             | 50             | 51             |
| Input power                   |                   | W                                                                                              | 52            | 58            | 71            | 84            | 130           | 170            | 175            | 225            |
| Current                       |                   | A                                                                                              | 0.25          | 0.28          | 0.34          | 0.40          | 0.62          | 0.81           | 0.84           | 1.08           |
| Motor                         | Type              | Single-phase ball-bearing capacitive motor with a high precision and low operation sound       |               |               |               |               |               |                |                |                |
| Power supply                  |                   | 220V~/50Hz                                                                                     |               |               |               |               |               |                |                |                |
| Protection grade              |                   | IP20                                                                                           |               |               |               |               |               |                |                |                |
| Insulation grade              |                   | B                                                                                              |               |               |               |               |               |                |                |                |
| Water flow                    | m <sup>3</sup> /h |                                                                                                | 0.46          | 0.62          | 0.77          | 0.93          | 1.23          | 1.54           | 1.85           | 2.16           |
| Water resistance              | kPa               |                                                                                                | 25            | 30            | 15            | 20            | 30            | 35             | 44             | 45             |
| Connecting pipe specification |                   | Rc 3/4                                                                                         |               |               |               |               |               |                |                |                |
| Life of condensate water pump |                   | External diameter of condensate water pipe: Φ26 mm; external diameter of external hose: Φ 16mm |               |               |               |               |               |                |                |                |
| Dimensions                    | Master unit       | mm                                                                                             | 582x582x250   | 582x582x250   | 705x705x290   | 705x705x290   | 832x832x290   | 832x832x290    | 832x832x290    | 960x960x290    |
|                               | Panel             | mm                                                                                             | 680x680x30    | 680x680x30    | 830x830x30    | 830x830x30    | 980x980x30    | 980x980x30     | 980x980x30     | 1140x1140x30   |
| Net weight                    | kg                |                                                                                                | 24            | 24            | 29            | 29            | 38            | 38             | 38             | 49.5           |

### Note:

- Working conditions for cooling: inlet air temperature - dry/wet bulb 27°C/19.5°C; temperature of inlet/outlet water - 7°C/12°C.
- Working conditions for heating: inlet air temperature - dry bulb 21°C; inlet water temperature 60°C; water flow - equal to that for cooling operation.
- Rated air flow is measured under standard atmosphere using dry coils (dry bulb 20°C).
- Sound pressure grade and sound level are measured in a semi-silent room as per GB/T 19232-2003.
- H, M and L represent high, medium and low fan speed respectively.
- All performance parameters in the above table are measure with a power supply of 220V~/50Hz.

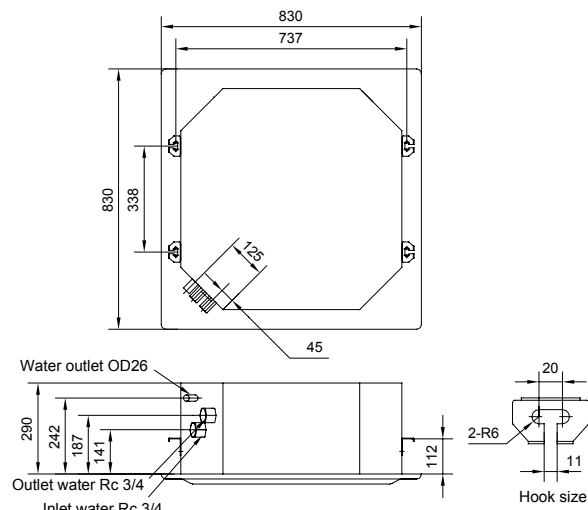
# Cassette Fan Coil EKCW-K

**Dimension Illustration**  
(model: EKCW300 / 400KT)



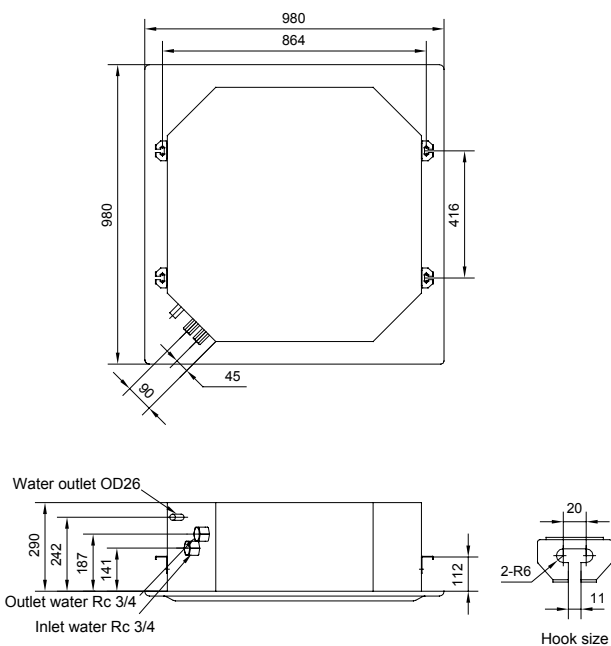
Unit: mm

**Dimension Illustration**  
(model: EKCW500 / 600KT)



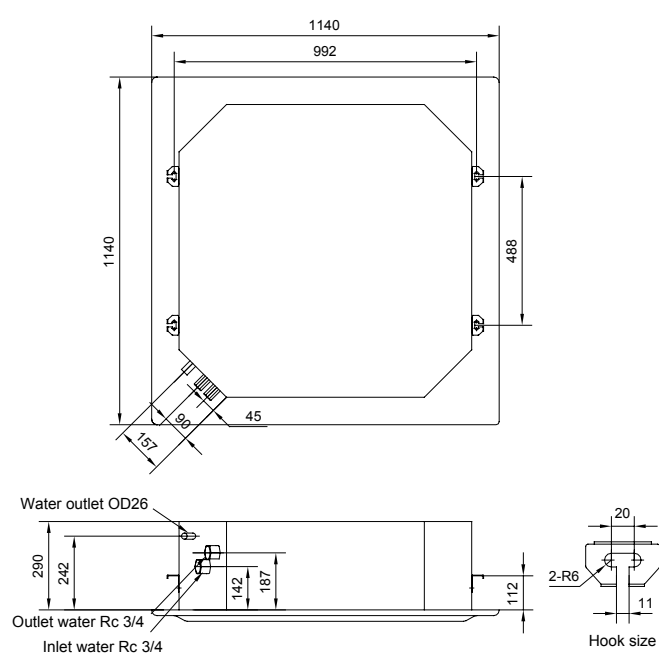
Unit: mm

**Dimension Illustration**  
(model: EKCW800 / 1000 / 1200KT)



Unit: mm

**Dimension Illustration**  
(model: EKCW1400KT)



Unit: mm

# 1-way Cassette Fan Coil EKCW-L

## Unit description

EKCW 1-way cassette fan coils are terminals of a hydronic system for installation in false ceilings. They can be used with chilled or hot water to form an air conditioning system. The air flow range: 200 - 600 CFM. The output available range: 1.9 - 4.7 KW in the standard configuration.



## Unit composition

- 1-way discharge decorative panel in ABS material;
- Motor drive auto-swing louvers;
- Synthetic moveable and washable air filter;
- High efficiency coils made from 3/8" copper tubes & hydrophilic aluminium fins;
- Air purging vent;
- Integral 700mm head condensate drain pump;
- With 3-speed motor;
- Wireless remote controller
- Wired wall pad (optional)
- Pre-stamped lateral hole for fresh air connection (optional)
- Rs485 remote communication serial port (optional)

## Nomenclature

|             |             |          |          |           |          |
|-------------|-------------|----------|----------|-----------|----------|
| <b>EKCW</b> | <b>1000</b> | <b>L</b> | <b>A</b> | <b>AA</b> | <b>E</b> |
| 1           | 2           | 3        | 4        | 5         | 6        |

- |    |      |                                                                                                            |
|----|------|------------------------------------------------------------------------------------------------------------|
| 1. | EKCW | EK fan coil unit                                                                                           |
| 2. | 1000 | Unit model                                                                                                 |
| 3. | L    | 1-way cassette fan coil unit                                                                               |
| 4. | A    | Unit power supply feature. A: 220V~/50Hz, 220—240 V~/50Hz for overseas market                              |
| 5. | AA   | Detailed description of product specification                                                              |
| 6. | E    | Unit sales area. Default: China<br>D: Hong Kong (including Macau)<br>E: standard model for overseas market |

# 1-way Cassette Fan Coil EKCW-L

## Specifications

| Model                     |                     |       | EKCW 200L            | EKCW 300L | EKCW 400L | EKCW 450L | EKCW 500L | EKCW 600L |
|---------------------------|---------------------|-------|----------------------|-----------|-----------|-----------|-----------|-----------|
| Total cooling capacity    | speed high          | kW    | 1.9                  | 2.7       | 3.6       | 4.0       | 4.5       | 4.7       |
|                           | speed medium        | kW    | 1.5                  | 2.1       | 2.8       | 3.3       | 3.4       | 3.6       |
|                           | speed low           | kW    | 1.0                  | 1.6       | 2.1       | 2.6       | 2.7       | 2.8       |
| Sensible cooling capacity | speed high          | kW    | 1.3                  | 1.9       | 2.5       | 2.8       | 3.2       | 3.3       |
|                           | speed medium        | kW    | 1.1                  | 1.6       | 2.1       | 2.3       | 2.5       | 2.6       |
|                           | speed low           | kW    | 0.8                  | 1.3       | 1.7       | 1.8       | 2.0       | 2.1       |
| Water flow rate           |                     | l/h   | 327                  | 464       | 619       | 688       | 774       | 808       |
| Water pressure drop       |                     | kPa   | 10                   | 15        | 18        | 20        | 22        | 25        |
| Heating capacity          | speed high          | kW    | 2.1                  | 3.2       | 4.2       | 5.1       | 5.6       | 5.8       |
|                           | speed medium        | kW    | 1.7                  | 2.5       | 3.2       | 4.0       | 4.5       | 4.7       |
|                           | speed low           | kW    | 1.2                  | 1.9       | 2.5       | 3.0       | 3.4       | 3.6       |
| Evaporator coil           | rows                |       | 2                    | 2         | 3         | 3         | 3         | 3         |
|                           | FPI                 |       | 15.9                 | 15.9      | 15.9      | 15.9      | 15.9      | 15.9      |
|                           | copper diameter     | inch  | 3/8"                 | 3/8"      | 3/8"      | 3/8"      | 3/8"      | 3/8"      |
|                           | water content       | l     | 0.65                 | 0.65      | 0.92      | 0.92      | 1.07      | 1.07      |
| Centrifugal fan blower    | fan blower diameter | mm    | □142                 | □142      | □142      | □142      | □155      | □155      |
|                           | fan blower nr.      |       | 2                    | 2         | 2         | 2         | 2         | 2         |
| Electrical power          | power input         | W     | 45                   | 54        | 64        | 70        | 70        | 85        |
|                           | running current     | A     | 0.20                 | 0.24      | 0.28      | 0.31      | 0.31      | 0.38      |
| Air flow rate             | high speed          | m³/h  | 340                  | 510       | 680       | 800       | 850       | 1,020     |
|                           | medium speed        | m³/h  | 270                  | 400       | 520       | 650       | 640       | 760       |
|                           | low speed           | m³/h  | 190                  | 300       | 400       | 500       | 490       | 600       |
| Sound pressure (1m)       | high speed          | dB(A) | 39                   | 39        | 40        | 42        | 44        | 45        |
|                           | medium speed        | dB(A) | 36                   | 36        | 37        | 39        | 40        | 41        |
|                           | low speed           | dB(A) | 30                   | 30        | 31        | 37        | 36        | 37        |
| Unit dimensions           | Lenth               | mm    | 848                  | 848       | 848       | 848       | 848       | 848       |
|                           | Width               | mm    | 394                  | 394       | 394       | 394       | 415       | 415       |
|                           | Hight               | mm    | 235                  | 235       | 235       | 235       | 235       | 235       |
| Panel dimensions          | Lenth               | mm    | 1043                 | 1043      | 1043      | 1043      | 1043      | 1043      |
|                           | Width               | mm    | 468                  | 468       | 468       | 468       | 468       | 468       |
|                           | Hight               | mm    | 30                   | 30        | 30        | 30        | 30        | 30        |
| Net weight                |                     | kg    | 23                   | 23        | 24        | 24        | 25        | 25        |
| Water connection (FPT)    |                     | inch  | 3/4"                 | 3/4"      | 3/4"      | 3/4"      | 3/4"      | 3/4"      |
| Electrical power supply   |                     |       | 220-240V/1Phase/50HZ |           |           |           |           |           |

### Cooling:

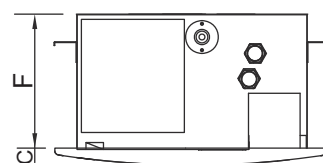
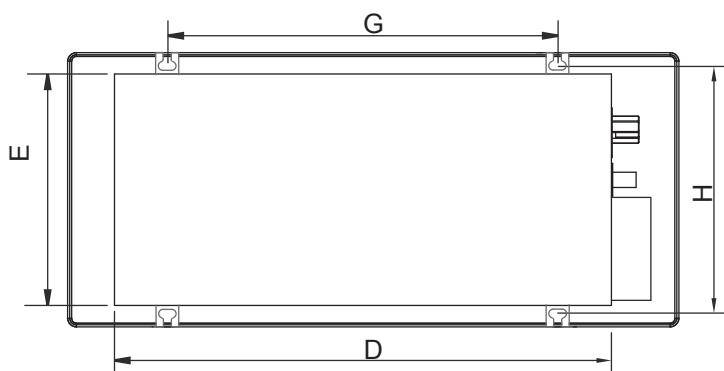
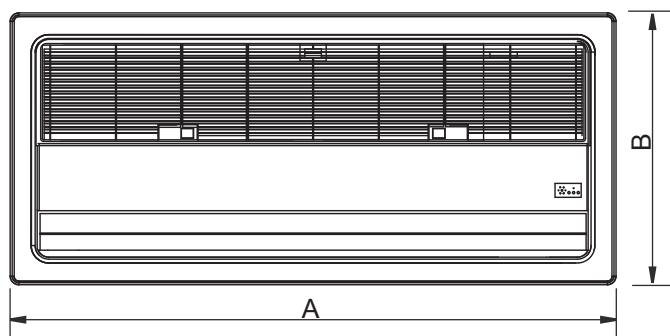
Entering air temperature: Dry bulb 27°C, Wet bulb 19°C;  
Inlet water temp. 7°C; Outlet water temp. 12°C;

### Heating:

Entering air temperature: 20°C; Inlet water temp. 50°C;  
Same water flow rate as for the cooling;

# 1-way Cassette Fan Coil EKCW-L

## Dimensions



|          | A    | B   | C  | D   | E   | F   | G   | H   |    |
|----------|------|-----|----|-----|-----|-----|-----|-----|----|
| EKCW200L | 1043 | 468 | 30 | 848 | 394 | 235 | 760 | 434 | mm |
| EKCW300L | 1043 | 468 | 30 | 848 | 394 | 235 | 760 | 434 | mm |
| EKCW400L | 1043 | 468 | 30 | 848 | 394 | 235 | 760 | 434 | mm |
| EKCW450L | 1043 | 468 | 30 | 848 | 394 | 235 | 760 | 434 | mm |
| EKCW500L | 1043 | 468 | 30 | 848 | 415 | 235 | 760 | 455 | mm |
| EKCW600L | 1043 | 468 | 30 | 848 | 415 | 235 | 760 | 455 | mm |

## Standard and optional controller



code: RC09  
(standard)

**LCD wireless remote controller, with wall holder**  
Function: MODE/FAN/TIMER (24hr)/etc.



code: WP09  
(optional)

**LCD wired wall pad**  
Function: MODE/FAN/weekly TIMER/etc.



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[www.euroklimat.com](http://www.euroklimat.com)



ISO9001: 2008



ISO14001: 2004



CNAS L5123

#### **EKCW1101-AE**

- ◆ Illustrations in this document may be different from real products. Please check real products while making a purchase.
- ◆ Product specifications, features, performance parameters, structures and exteriors are subject to change without further notice. Please refer to the nameplate of the product for detailed information.
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