

KWL EC 60



Efficiency class

- A** KWL EC 60 Pro with additional room sensor
- B** KWL EC 60 Pro FF
- B** KWL EC 60 Eco / Pro



Compact wall installation unit with heat recovery for the supply and extract ventilation of individual rooms. KWL EC 60 is a convincing solution for a comfortable indoor climate and energy savings in individual rooms. Ideal for bringing existing building structures up to the legally required EnEV standard during renovation. KWL EC 60 ventilates small and large individual rooms. The installation of multiple units is recommended for a medium-sized residential unit.

Ideal for renovation due to simple installation

KWL EC 60 is the optimal renovation solution, even for retrofitted installations. The intake air connection is simply through a core hole in the external wall, in which the wall sleeve is inserted. This simply takes place during the facade renovation. The openings are closed by two building protection covers. The elegant stainless steel outer facade is installed upon completion of plastering. The desired unit is inserted into the wall sleeve and electrically connected in the course of the interior work. Only the elegant facade can be seen on the room side, the front of which is completely closed. Thus, the KWL EC 60 blends discreetly into any room environment and bothersome dirt deposits on ventilation grilles are a thing of the past.

Aluminium plate heat exchanger with a heat recovery efficiency of over 70 %

The KWL EC 60 saves expensive heating energy due to the efficient and large-dimensioned aluminium plate heat exchanger with a heat recovery efficiency of over 70 %.

ECgreenVent by Helios

Particularly energy-saving ventilation units with EC technology, such as Helios KWL EC 60, are marked with the ECgreenVent label. KWL EC 60 allows the demand-dependent supply and extract ventilation of individual rooms with heat recovery; multiple units can be independently controlled. Adjustment is not necessary.

Functionality of the KWL EC 60 ventilation with heat recovery

Two highly efficient direct current EC fans ensure a uniform air exchange. Contaminants, odours and the stale room air is moved outside, and fresh, preheated air is supplied to the room. The heat is transferred from the stale extract air to the fresh supply air in the large aluminium plate heat exchanger, whereby both airflows remain separate.

Delivery / scope of order

Designed for the installation steps, the following elements can be ordered separately:

- ☐ **Installation kit**
 - KWL 60 RS** No. 00708
 - KWL 60 RS-B** No. 01961

- ☐ **Unit optionally available in Eco or Pro version.**

** The external components, such as facade panel, spacer frames and protection grille, are made of high-quality stainless steel. Alternatively available in coated version (types -B) for use in environments with severe air pollution or high salt concentration in the air (near the coast).*

Installation example KWL EC 60



Common features Eco and Pro

- ☒ **Heat exchanger**
 - ☐ Large aluminium plate heat exchanger with a heat recovery efficiency of over 70 %.
- ☒ **Air delivery**
 - Two highly efficient direct current EC fans ensure a uniform air exchange.
- ☒ **Condensate drain**
 - Condensate is drained outside directly via the deflector plate on the external cover.
- ☒ **Air filters**
 - ☐ Two efficient air filters (class ISO coarse 60% (G4)) in the supply air and extract airflow guarantee the best air purity. An ISO ePM_{2.5} 65% (F7) pollen filter on the supply air side is optional.

ECO

KWL EC 60 Eco
The economical solution with a favourable price / performance ratio for all applications.

Unit Eco

KWL EC 60 Eco No. 09950

Consists of inner facade made of high-quality plastic with an integrated, three-step control element.

- ☒ **Power control**
 - Three-step operation via the control element integrated in the inner facade (can be placed at the top or bottom by rotating the facade 180°).
 - 0 position via on-site off-switch.

- ☒ **Electrical connection**
 - Via screwless terminals.

Technical Data

Unit ¹⁾	KWL EC 60 Eco ¹⁾			Ref. no. 09950
Flow rate at level ²⁾	③	②	①	
supply air/extract air \dot{V} m ³ /h	60	30	17	
Noise dB(A)				
radiation L _{PA} at 3 m	30	22	18	
Power consumption Fans 2xW	4	2	1	
Standard sound level diff. D _{n,e,w} dB	39 – 41			
Voltage/Frequency	230 V~, 50 Hz			
Rated current A	0.05			
Protection category IP	X4			
Electrical supply line	NYM-J 3 x 1.5 mm ²			
Wiring diagram no.	949			
Temperature operating range	– 20 °C to + 40 °C			
Weight approx. kg	6.5			

¹⁾ The required installation kit (types KWL 60 RS) must be ordered separately (see above for details).

²⁾ Volume reduction of approx. 10 % when using pollen filters.