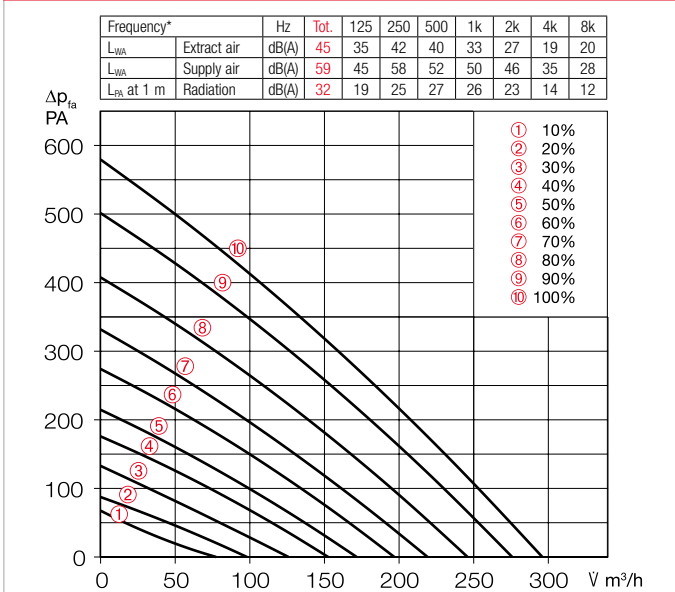


Performance curves KWL 250 W



*Sound information relate to Vref. according to ERP data sheet.

Slide switch control element

KWL BE ECO Ref. no. 20246

Three-step slide switch including operation indicator, for flush-mounted installation. Function see left. Dim. mm (W x H x D) 80 x 80 x 37

Casing for surface installation

KWL APG Ref. no. 04270

Dim. mm (W x H x D) 83 x 83 x 41



Touch control element

KWL BE Touch bl

(black) Ref. no. 20244

KWL BE Touch wh

(white) Ref. no. 20245

With graphic display, for flush-mounted installation. Function see left. Connection of up to 6 pcs. possible (additional power supply unit may be required). Can be integrated in common switch ranges with the dimensions mm (W x H x D) 55 x 55 x 35, Dim. with frame mm (W x H x D) 88 x 88 x 35

Casing for surface installation

KWL APG Touch bl No. 40178

KWL APG Touch wh No. 40177

Dim mm (W x H x D) 85 x 85 x 25



Control line cable

KWL-SL eC 5m Ref. no. 40179

KWL-SL eC 10m Ref. no. 40180

Control line cables in 5 or 10 meters, suitable for KWL-BE ECO / Touch as well as room sensor.

Technical data	With plastic heat exchanger					With enthalpy heat exchanger				
	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
	KWL 250 W	40149	KWL 250 W ET	40150						
Flow rate at level 1) 2)	⑩ ⑨ ⑧ ⑦ ⑥		⑩ ⑨ ⑧ ⑦ ⑥							
Supply air/extract air V m³/h	296 246 197 153 98		302 246 197 154 103							
Power consumption fans 2xW ¹⁾	51 33 20 13 7		52 32 22 13 8							
Voltage/Frequency	1~, 230 V, 50 Hz									
Rated current A – ventilation	1,5									
– preheating	4,4									
– max. total	1,5 (5,9 incl. preheater, accessories)									
Electric preheater kW	1,0 kW (accessories)									
Summer bypass	automatic (adjustable), with heat exchanger cover									
Wiring diagram no.	1433									
Temperature operating range	–20 °C to +40 °C									
Installation temperature	+5 °C to +40 °C (90% rel. humidity, non-condensing)									
Weight approx. kg	43					47				

1) At 0 Pa, performance levels adjustable. 2) Volume reduction by approx. 10% when using pollen filter.

KNX/EIB module

KNX-KNX Connect No. 20253

For integrating the ventilation unit in a KNX system. For switch cabinet installation (1 space unit required).



Room sensors

KWL-CO2 eC Ref. no. 20248

KWL-FTF eC Ref. no. 20249

KWL-VOC eC Ref. no. 20247

For measuring the CO₂, mixed gas (VOC) concentration or relative room air humidity. Please note the maximum number of sensors, additional power supply unit may be required.

Dim. mm (W x H x D) 98 x 98 x 33



Electric preheater

KWL-EVH 250 W No. 40157

Electrical preheater for simple, plug-in unit installation. For preheating the intake air at very low outdoor temperatures (heat exchanger anti-icing protection). Mandatory for passive houses. Output: 1000 W.



A+ required for efficiency class A+

Extension module

KWL-EM eC Ref. no. 40155

For controlling external post-heating elements.

Dim. mm (WxHxD) 210x210x100



Motion detector

BWM Ref. no. 08323

Motion detector for detecting the presence of persons in the room. Surface-mounted wall installation (cable entry at top or bottom) or installation in flush-mounted box Ø 55 mm (cable entry at back).



Electric post-heating element

For additional supply air heating.

EHR-R 1.2/125 Ref. no. 09433

Rectangular duct temp. sensor

KWL-LTK eC (1 pc. req.) No. 40156

Warm water post-heating element

For additional supply air heating.

WHR 125 Ref. no. 09480

Rectangular duct temp. sensor

KWL-LTK eC (2 pc. req.) No. 40156

Hydraulic unit

WHSH HE 24 V (0-10V) No. 08318

Alternative:

Air temperature control

WHST 300 T38 Ref. no. 08817



Replacement air filters

– 2 pcs. **ISO Coarse 65% (G4)**

ELF-KWL 250/2xCoarse65%

Ref. no. 40151

– 1 pc. **ISO ePM1, 50% (F7)**

ELF-KWL 250/ePM1 50%

Ref. no. 40152

– 1 pc. **Activated carbon filter**

ELF-KWL 250 AK No. 40153

Reference

Enthalpy heat exchanger

(accessories) for retrofitting:

KWL-ET 250 Nr. 40159

Other accessories Page

KWL peripherals	150 ff.
– Ground heat exchanger	174 ff.
– Insulated duct system	164 ff.
– Air distribution systems	166 ff.
– Control lines, etc.	170 f.
Heating element, control	486 ff.
ventilation grilles, ducts,	
roof outlets	561 ff.
extract air elements, design	
ventilation valves	574 ff.