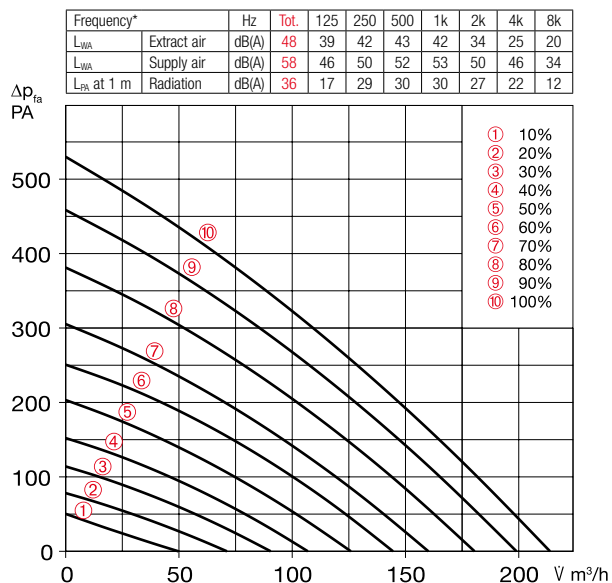


Performance curves KWL 170 W



*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					Type				
	KWL 170 W					KWL 170 W ET				
	⑩	⑨	⑧	⑦	⑥	⑩	⑨	⑧	⑦	⑥
Flow rate at level ^{1) 2)}										
Supply air/extract air V m³/h	214	180	145	107	71	211	179	142	107	69
Power consumption fans 2xW ¹⁾	37	25	15	9	6	37	24	15	9	6
Voltage/Frequency	1~ 230 V, 50 Hz									
Rated current A – ventilation	0.7									
– preheating	4.4									
– max. total	0.7 (5.1 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-condensin)									
Weight approx. kg	36					39				

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

KNX/EIB module

KWL-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 170 W No. 00936

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.

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

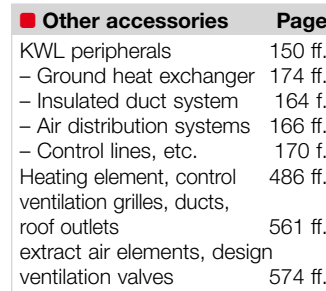
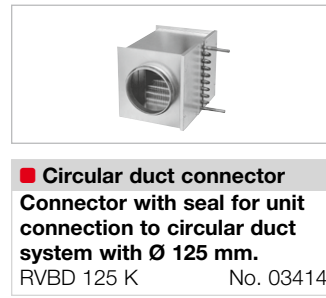
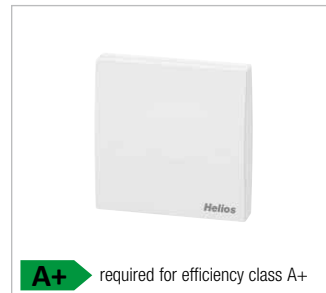
Hydraulic unit

WHSR 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 170/4/4 No. 00951
– 1 pc. **ISO ePM, 50% (F7)**
ELF-KWL 170/7 No. 00965

Reference

Enthalpy heat exchanger (accessories) for retrofitting:
KWL-ET 170 No. 00976

■ **Other accessories** **Page**
KWL peripherals 150 ff.
– Ground heat exchanger 174 ff.
– Insulated duct system 164 f.
– 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.