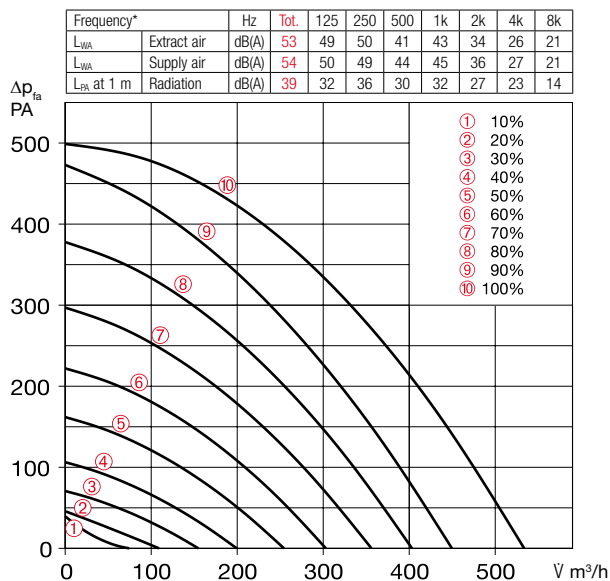


Performance curves KWL 500 W



*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.
Right-hand version	KWL 500 W R	40053	KWL 500 W ET R	40055	Left-hand version	KWL 500 W L	40054	KWL 500 W ET L	40056	
Flow rate at level 1²⁾	⑩ ⑧ ⑥ ④ ②		⑩ ⑧ ⑥ ④ ②							
Supply air/extract air V m³/h	534 403 303 200 109		506 387 295 190 103							
Power consumption fans 2xW ¹⁾	150 82 41 16 7		152 83 41 17 7							
Voltage/Frequency	1~, 230 V, 50 Hz									
Rated current A – ventilation	2.5									
– preheating	4.4									
– max. total	2.5 (6.9 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	58					66				

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

³⁾ AK = Activated carbon filter ⁴⁾ For a duct diameter of 160 mm.

⁵⁾ For a duct diameter of 180 mm.

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 500 W No. 04262

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 2.4/160 Ref. no. 09435

Rectangular duct temp. sensor

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

Warm water post-heating element

For additional supply air heating.

WHR 160 Ref. no. 09481

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 75% (G4)

ELF-KWL 500/4/4 No. 00039

– 1 pc. ISO ePM₁ 50% (F7)

ELF-KWL 500/7 No. 00042

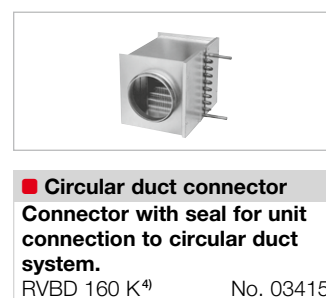
– 1 pc. ISO ePM_{2.5} 60% (AK)³⁾

ELF-KWL 500 AK No. 04199

Reference

Enthalpy heat exchanger (accessories) for retrofitting:

KWL-ET 500 No. 00897



Other accessories

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