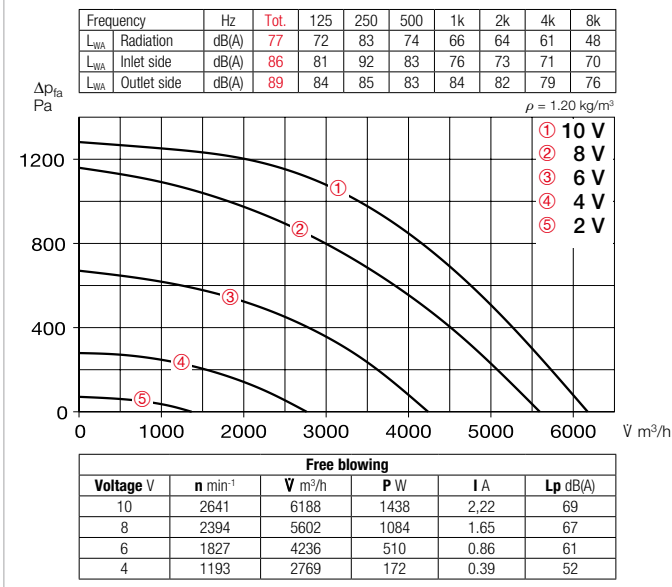


Performance curves ALB EC 80/50 WW



Heat output WW element ①-③

These diagrams show the heat output depending on the flow/return/outside temp. over the air volume.

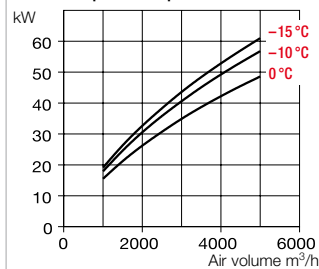
Water volume WW element ④

shows the water flow rate depending on the flow/return/outside temp. over the air volume.

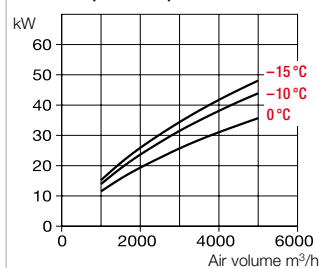
Pressure loss WW element ⑤

shows the water throughflow over water pressure loss kPa.

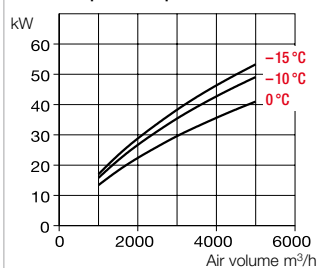
① Heat output at temperature 80/60 °C



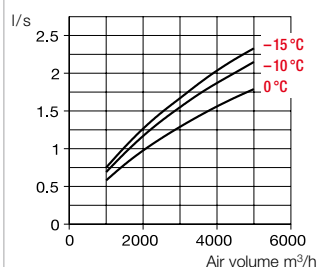
③ Heat output at temperature 55/45 °C



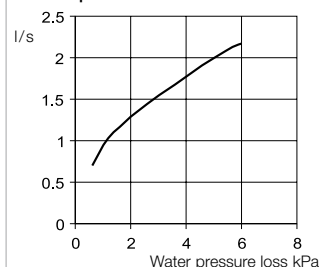
② Heat output at temperature 70/50 °C



④ Water flow rate at 70/50 °C¹⁾



⑤ Water pressure loss at 70/50 °C¹⁾



¹⁾ Correction factor for 80/50 °C: 1.16; for 55/45 °C: 1.81.

Reference

The integration of air filters
ELF-ALB 80/50 F7
(ISO ePM₁ 50% (F7)) in
intake air systems fulfils the re-
quirements of VDI 6022.

Reference	Page
Planning information	14 ff.

Other accessories

	Page
Silencers	494 ff.
Hydraulic unit details	492 ff.
Flexible ventilation ducts, ventilation grilles, fittings, shutters	561 ff.
Supply air disc valves	584 f.

Accessories

Hydraulic unit

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

For controlling the heat output of the warm water heating element in combination with room/duct sensors. Includes flow/return temperature display, pump, actuator, mixer valve, gravity brake, thermal cladding and flexible connection hoses.



Replacement and pollen filter

– ISO Coarse 90 % (G4)

ELF-ALB 80/50 G4 No. 06768

– Filter class ISO ePM₁₀ 70 % (M5)

ELF-ALB 80/50 M5 No. 06769

– Filter class ISO ePM₁ 50 % (F7)

ELF-ALB 80/50 F7 No. 06815

Large cassette filter for long cleaning intervals.

Unit = 3 pcs.



Room sensor – Air quality

AIR1/KWL-CO2 0-10V No. 20251

AIR1/KWL-FTF 0-10V No. 20252

For measuring the CO₂ concentration or relative room humidity. Maximum total of one sensor can be connected.

Dim. mm (W x H x D) 85 x 85 x 27



Room sensor – Temperature

TFR-ALB/KWL Ref. no. 07277

For measuring the room temperature and controlling the ventilation unit according to the setpoint. Incl. 20 m control line.

Dim. mm (W x H x D) 80 x 80 x 25



Connection cable

– 20 metres long

ALB EC-SK 20 Ref. no. 06816

– 40 metres long

ALB EC-SK 40 Ref. no. 06817

Attach between ALB and control element as well as between ALB and TFR-ALB/KWL.

Transition piece – Symmetrical

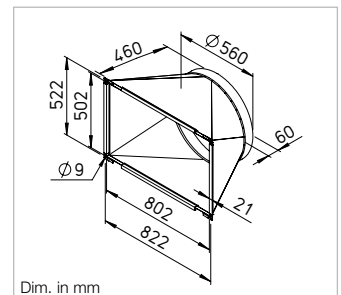
ALB-ÜS 80/50 Ref. no. 07618

From unit flange to round duct systems.

Flexible connecting sleeve

FM 560 Ref. no. 01679

For acoustic decoupling, incl. 2 pcs. hose clamps.



Angle flange ring

FR 560 Ref. no. 01209

Made of galvanised steel sheet, for duct connection.



Duct shutter, motorised

RVM 560 Ref. no. 02583

Prevents cold draughts when the unit is at a standstill. Automatic function through fan operation, with mounted spring return motor. Installation in any position, closing force adjustable corresponding to fan power and installation position.