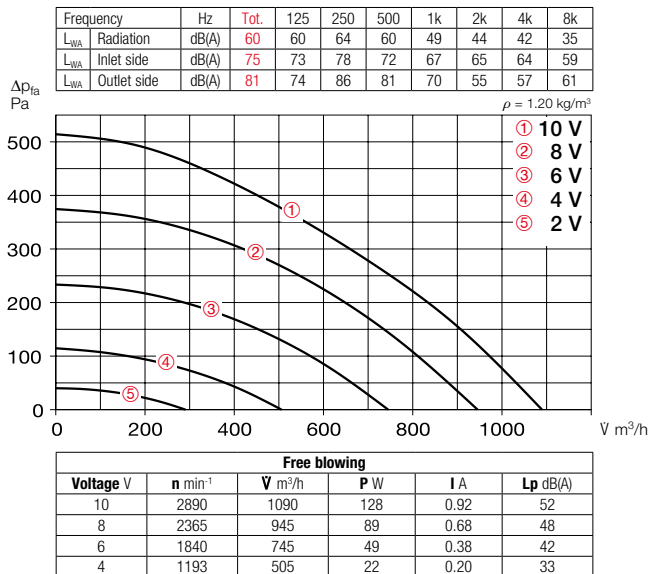


### Performance curves ALB EC 40/20 WW



#### Heat output WW element ①-③

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

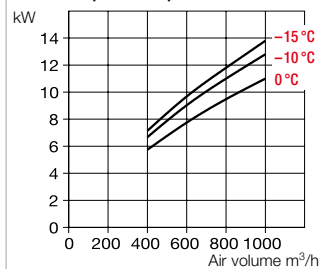
#### Water volume WW element ④

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

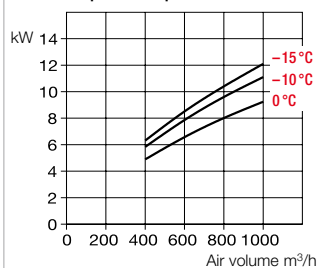
#### Pressure loss WW element ⑤

shows the water throughflow over water pressure loss kPa.

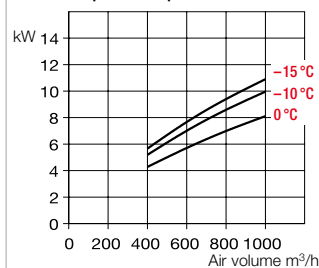
#### ① Heat output at temperature 80/60 °C



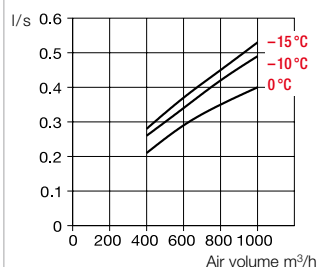
#### ② Heat output at temperature 70/50 °C



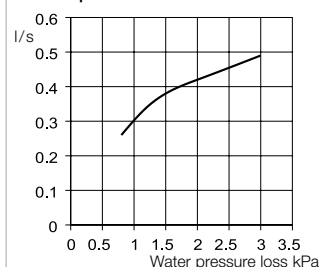
#### ③ Heat output at temperature 55/45 °C



#### ④ Water flow rate at 70/50 °C<sup>1)</sup>



#### ⑤ Water pressure loss at 70/50 °C<sup>1)</sup>



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

#### Reference

The integration of air filters ELF-ALB 40/20 F7 (ISO ePM<sub>1</sub> 50% (F7)) in intake air systems fulfils the requirements of VDI 6022.

Reference	Page
Planning information	14 ff.

#### Other accessories

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 40/20 G4 No. 07619

– Filter class ISO ePM<sub>10</sub> 70 % (M5)

ELF-ALB 40/20 M5 No. 06766

– Filter class ISO ePM<sub>1</sub> 50 % (F7)

ELF-ALB 40/20 F7 No. 06767

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 CO<sub>2</sub> 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

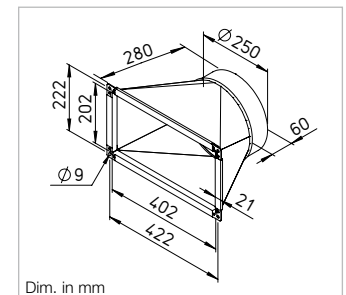
– 20 metres long

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 40/20 Ref. no. 07617

From unit flange to round duct systems.

##### Flexible connecting sleeve

FM 250 Ref. no. 01672

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

##### Angle flange ring

FR 250 Ref. no. 01203

Made of galvanised steel sheet, for duct connection.



##### Duct shutter, motorised

RVM 250 Ref. no. 02576

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.

