

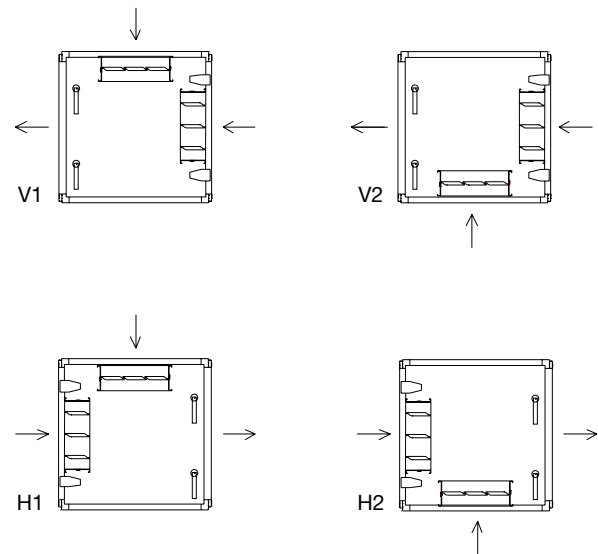
Mixing Section (code EBA)



The EBA mixing section is a functional section with two interconnected dampers for mixing outdoor air and recirculated air.

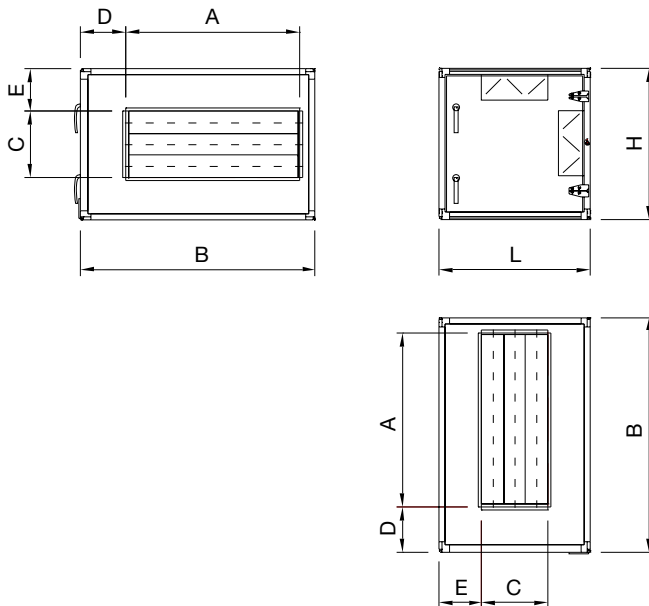
- The dampers are made of anodised aluminium profiled sections and meet the provisions of corrosion resistance class C4 to SS-EN ISO 12944-2.
- The damper blades are driven by ABS plastic gears and a tubular silicone rubber gasket achieves a tight seal between the blades.
- The dampers in the size 060–600 units are interlinked to a common internal shaft.
- Tightness class 3 to SS-EN1751 (VVS AMA-98).
- Permissible temperature: -40 to +80 °C.
Permissible differential pressure: max. 1400 Pa.
- The inspection cover is standard.

Configuration



V = left-hand version, H = right-hand version

Dimensions and Weights



Size	Dimensions (mm)							Wgt. (kg)*	Req. torque (Nm)
	L	B	H	A	C	D	E		
060	440	850	440	500	200	210	70	30	3
100	505	980	505	700	200	210	130	45	4
150	695	1080	695	800	300	210	200	55	5
190	695	1360	695	1000	300	210	200	65	5
240	805	1360	805	1000	400	210	200	75	6
300	805	1580	805	1200	400	210	200	85	6
360	990	1580	990	1200	500	210	245	105	6
480	990	1950	990	1400	500	275	245	125	8
600	1095	2160	1095	1600	600	280	245	150	12
740	642	2480	1240	2380	540	50	50	170	2x6**
750	642	2020	1370	1920	540	50	50	150	2x6**
850	642	2560	1370	2460	540	50	50	180	2x6**
950	842	2020	1660	1920	740	50	50	175	2x7**

* The specified weight refers to a casing with standard insulation. For calculating the weight of casings with insulation to fire resistance class EI30, use the IV Produkt Designer product selection software.

** 2 damper motors are required (12x12 mm damper shaft).

Accessories, inlet

- Connection frame (code EBAT-01-a)
- Flexible connection (code EBAT-02-a)

See also the section: Accessories.

Operation and Maintenance Instructions

Dampers

General

The function of the dampers is to control, shut-off and guide the air.

Faulty operation leads to disturbances that can result in serious consequences. For example if the outdoor damper does not shut completely when the unit stops, the heating coil may freeze and burst.

If the damper leaks, energy consumption will increase due to leakage caused by thermal lift. If the outdoor damper does not open completely, this will reduce the airflow.

Measures

What to check

Check how the actuator operates (see Control Operation according to the operating instructions).

Check that the damper blades seal tightly when they are supposed to be closed. If not, adjust the damper blades to achieve optimal tightness.

Inspect the sealing strips.

Cleaning

Clean the damper blades.