

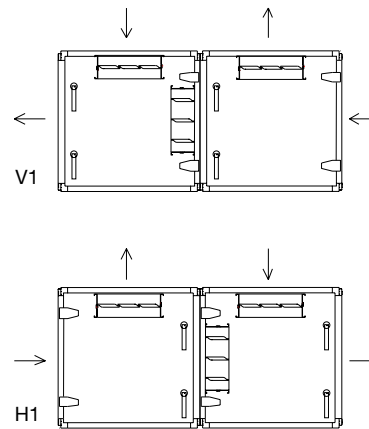
Mixing Section (code EBB)



The EBB mixing section is a unit section with three dampers for mixing exhaust air, recirculated air and outdoor air.

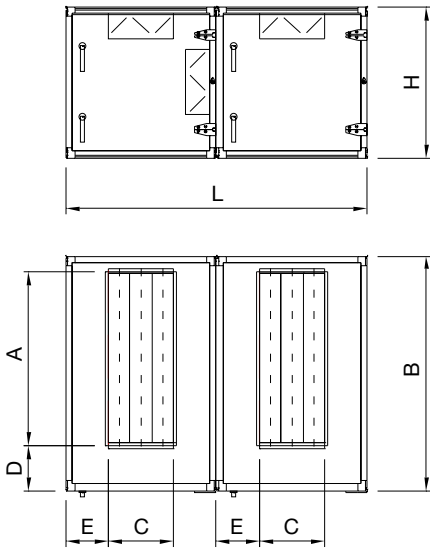
- The EBB mixing section has built-in type KJS dampers of IV Produkt manufacture.
- The dampers are made of aluminium profiled sections and meet the provisions of corrosion resistance class C4 to SS-EN ISO 12944-2.
- The damper blades are driven by ABS plastic gears and a tubular silicone rubber gasket achieves a tight seal between the blades.
- The dampers for the size 060–600 units are interlinked to two internal shafts.
- Tightness class 3 to SS-EN1751 (VVS AMA-98).
- Permissible temperature: -40 to +80 °C.
Permissible differential pressure: max. 1400 Pa.
- The unit section has an inspection cover as 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	880	850	440	500	200	210	70	55	3**
100	1010	980	505	700	200	210	130	70	4**
150	1390	1080	695	800	300	210	200	105	5**
190	1390	1360	695	1000	300	210	200	115	5**
240	1610	1360	805	1000	400	210	200	140	6**
300	1610	1580	805	1200	400	210	200	155	6**
360	1980	1580	990	1200	500	210	245	190	6**
480	1980	1950	990	1400	500	275	245	215	8**
600	2190	2160	1095	1600	600	280	245	260	12**
740	1284	2480	1240	2380	540	50	50	335	3×6***
750	1284	2020	1370	1920	540	50	50	295	3×6***
850	1284	2560	1370	2460	540	50	50	355	3×6***
950	1684	2020	1660	1920	740	50	50	345	3×7***

* 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 (12×12 mm damper shaft), of which the one motor can be sized using the table; the other motor must be sized to the table value × 0.5.

*** 3 damper motors are required.

Accessories, inlet/outlet, upper side

- 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.

Inspect the connecting rod between the various dampers.

Lubricate if required.

Cleaning

Clean the damper blades.