**Sound-insulated Flatbox for supply air with two air filters KFD 9040-F**

KFR-F, KFR-D supply air model with two air filters (F5 and F7)

Sound-insulated Flatbox for ventilation.

With fan, shutter with servomotor, air filter and water-air heater.

With control unit for supply and exhaust air unit.

Connections for water-air heater, can either be positioned in one or the other longitudinal side.

Features

Compact unit for supply or exhaust air.

Housing has 30 mm of rock wool thermal and sound insulation.

Internal pressure losses are very low thanks to large flow-through areas. The housings are very smooth on the inside and outside and air-tight. This results in very quiet operations, few internal air noises and makes them easy to clean.

No elaborate wiring or installation of attachments needed since all components are fitted ready for use.

Control unit included in the scope of delivery of supply air unit.

Configuration information for water/air heaters can be accessed online.

IP 43 degree of protection.

Control unit

One control unit can be used to jointly control a supply air and exhaust air flat box.

Supply air flat box KFR / KFD and KFR-K / KFD-K: Control unit included in scope of delivery.

Exhaust air flat box KFR-A / KFD-A: No control unit included, controlled using control unit of supply air flat box or transformer.

If there is no KFR-A / KFD-A connected to the control unit, a 230 V transformer-type controllable fan can also be controlled instead (e.g. EKR, ESQ). Note: The power consumption of the exhaust air unit must not exceed that of the supply air unit.

The control unit takes on the following functions:

Selection of operating mode (supply air/circulating air).

3 levels of fan control

Indication of current operating mode and setpoint temperature.

Specification of setpoint temperature on control unit.

Activation of servomotor, e.g. of heating circuit or cooling circuit.

Release signal on refrigeration machine.

Activation of a heating circulation pump.

Fault indicator with LED and error code on control unit.

Minimum and maximum limitation of supply air temperature.

Frost protection monitoring of water-air heater.

Air filter monitoring using differential pressure measurement.

Room temperature sensor integrated on control unit.

Activation of servomotor for shutter.

Mounting instructions

Due to the efficient sound and thermal insulation, the unit can be fitted directly in suspended ceilings.

Mounting bracket included in scope of delivery.

Fit horizontally only.

Technical data

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| Article: | KFD 9040-F |
| Air flow volume: | 4.500 m³/h |
| Rotating speed: | 2.730 1/min |
| Air direction: | Ventilation |
| Speed controllable: | ✔ |
| Rated voltage: | 230 V |
| Nominal output: | 1.100 W |
| Imax: | 6,1 A |
| Degree of protection: | IP 43 |
| Operator unit degree of protection: | IP 00 |
| Weight: | 115,5 kg |
| Weight including packaging: | 134 kg |
| Filter class: | F5/F7 |
| Channel dimension: | 900 mm x 400 mm |
| Width with packaging: | 1.200 mm |
| Height with packaging: | 740 mm |
| Depth with packaging: | 1.200 mm |
| Airstream temperature at IMax: | 55 °C |
| Packing unit: | 1 piece |
| Range: | K |
| GTIN (EAN): | 4012799808909 |
| Article number: | 0080.0890 |

Manufacturer: MAICO

KFD 9040-F Sound-insulated Flatbox for supply air with two air filters