

Modular and adaptive

MAXK



systemair





If residential buildings with central units or non-residential buildings with basic requirements the flexible MAXK units are the ideal solution.

Suitable for indoor and outdoor installation. Heating, Cooling, Ventilation and Heat Recovery on a base of a modular unit. Guaranteed efficiency as a certified PH component. Possible to chose different combinations of thermal insulation and factor for thermal bridges.

- Modular and flexible
- Delivery in single parts or partly mounted
- With or without control
- Assembly and commissioning by service partners

MAXK



Certified Passive House appliances series MAXK for air quantities of 600 - 6200 m³/h, HR, effective up to 89 % in multi-family houses, offices, restaurants, kindergartens and schools for indoor and outdoor installation in passive and low-energy house standard.

The MAXK air-handling units with heat recovery consists of a counter flow plate heat exchanger with integrated bypass (heat exchanger made from corrosion resistance aluminum), supply and exhaust air-fan with EC motor and backwards curved radial impeller, outdoor- and extract air filter and four flexible connectors.

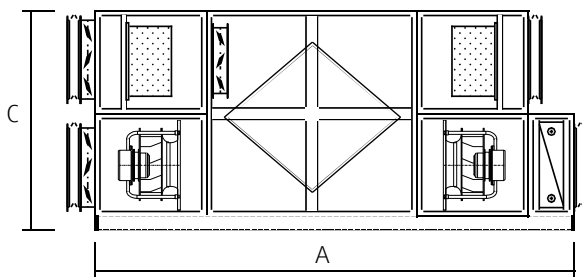
Casing made from zinc coated steel plate, double-walled, insulated; wall thickness: 50 mm

Accessories: damper, heating register, cooling register and silencer.

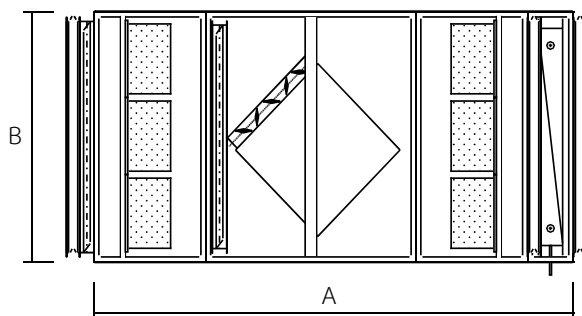
- For indoor and outdoor installation.
- If crowded conditions for bring in the air handling unit to the installation location it's possible to deliver the unit fragmented respectively partially screwed
- Optionally with complete control system available
- The only internationally certified manufacturer of modular air handling units.

Dimensions

Side view (control side)



Top view



MAXK	A	B	C*
MAXK-I3 2000 DC	3290	800	1664
MAXK I3 3000 DC	3450	1120	1664
MAXK I3 4000 DC	3550	1600	1664
MAXK I3 5000 DC	3650	1900	1664
MAXK I3 6000 DC	3650	2280	1664
MAXK-I3 7000 DC	3750	2600	1664

* incl. 100 mm base frame (dimensions in mm)

Technical Data

MAXK-I3		2000 DC	3000 DC	4000 DC	5000 DC	6000 DC	7000 DC
Maximum Air Volume Flow	m ³ /h	1400	2200	3200	4200	5200	6200
	cfm	825	1295	1885	2474	3062	3651
At an external pressure of *	PA	243	271	294	316	328	360
	Inch H ₂ O	0.98	1.09	1.18	1.27	1.32	1.45
Effective heat recovery rate	%	84	84	84	84	84	87
Electric power consumption	Wh/m ³	0.39	0.45	0.45	0.45	0.45	0.43
Heat exchanger type	counter-flow flat plate heat exchanger						
Fan motor	direct current (EC technology)						
Max. power consumption of one fan	W	423	1000	1400	1850	2730	2730
Voltage	V	200 ... 277	380 ... 480	200 ... 277	380 ... 480	380 ... 480	380 ... 480
Phase	~	1	3	1	3	3	3
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
Filter	fresh air = F7 / exhaust air = M6						
Integrated bypass	existing						
Duct connection (W x H)	Mm	656 x 638	976 x 638	1456 x 638	1756 x 638	2136 x 638	2456 x 638
	inch	25.8 x 25.2	38.4 x 25.2	57.3 x 25.2	69.2 x 25.2	84.1 x 25.2	96.7 x 25.2
Total weight	Kg	770	830	1100	1300	1550	1610
	lbs	1700	1830	2425	2866	3417	3549

- Definition of the external pressure according to test regulations: the central device will only be considered as a unit of heat exchanger and fans. The filters (outdoor air F7, extract air min. G4) as well as possibly used supplementary heating registers and/or frost protection pre-heating registers are part of the external pressing.

For additional information available in North America – please contact:

