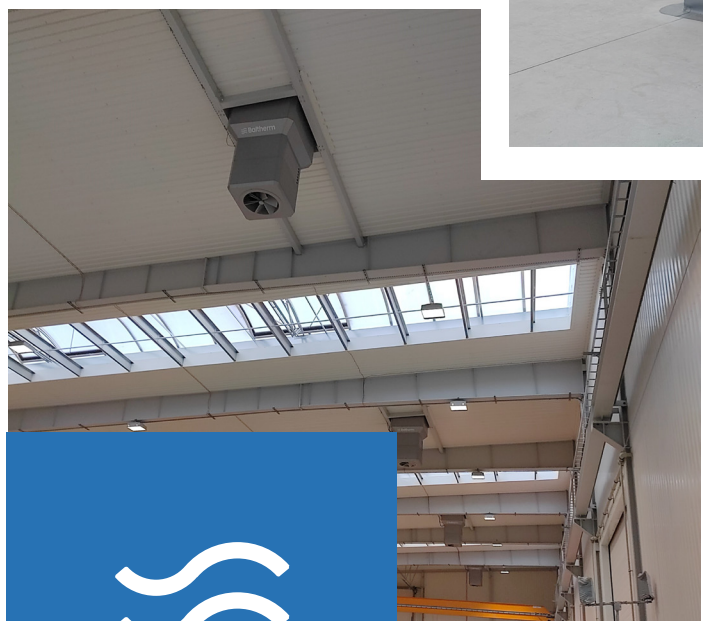



 **Baltherm**
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**SYSTEM
BOXer**

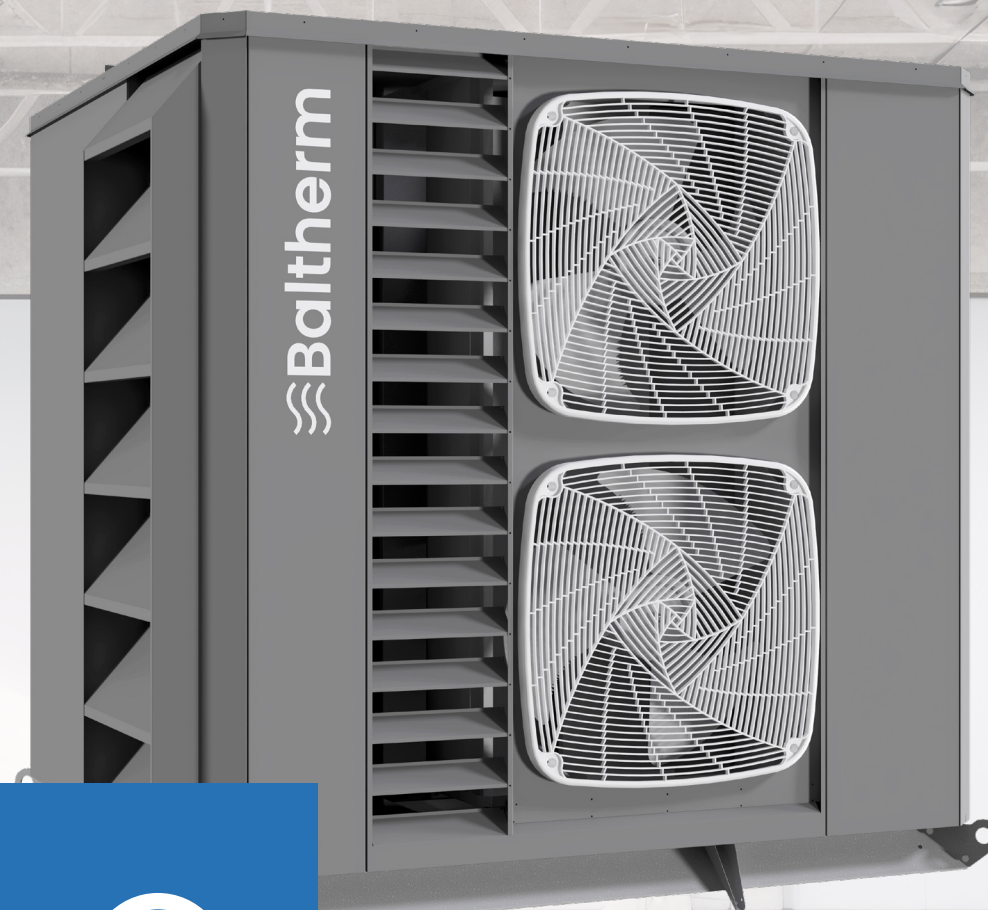


**SYSTEM
BOXer**



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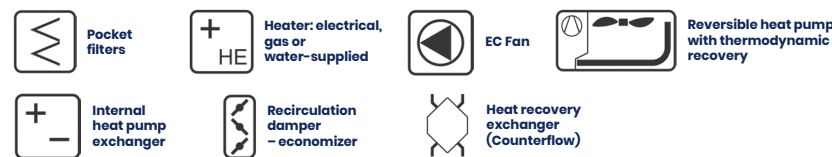
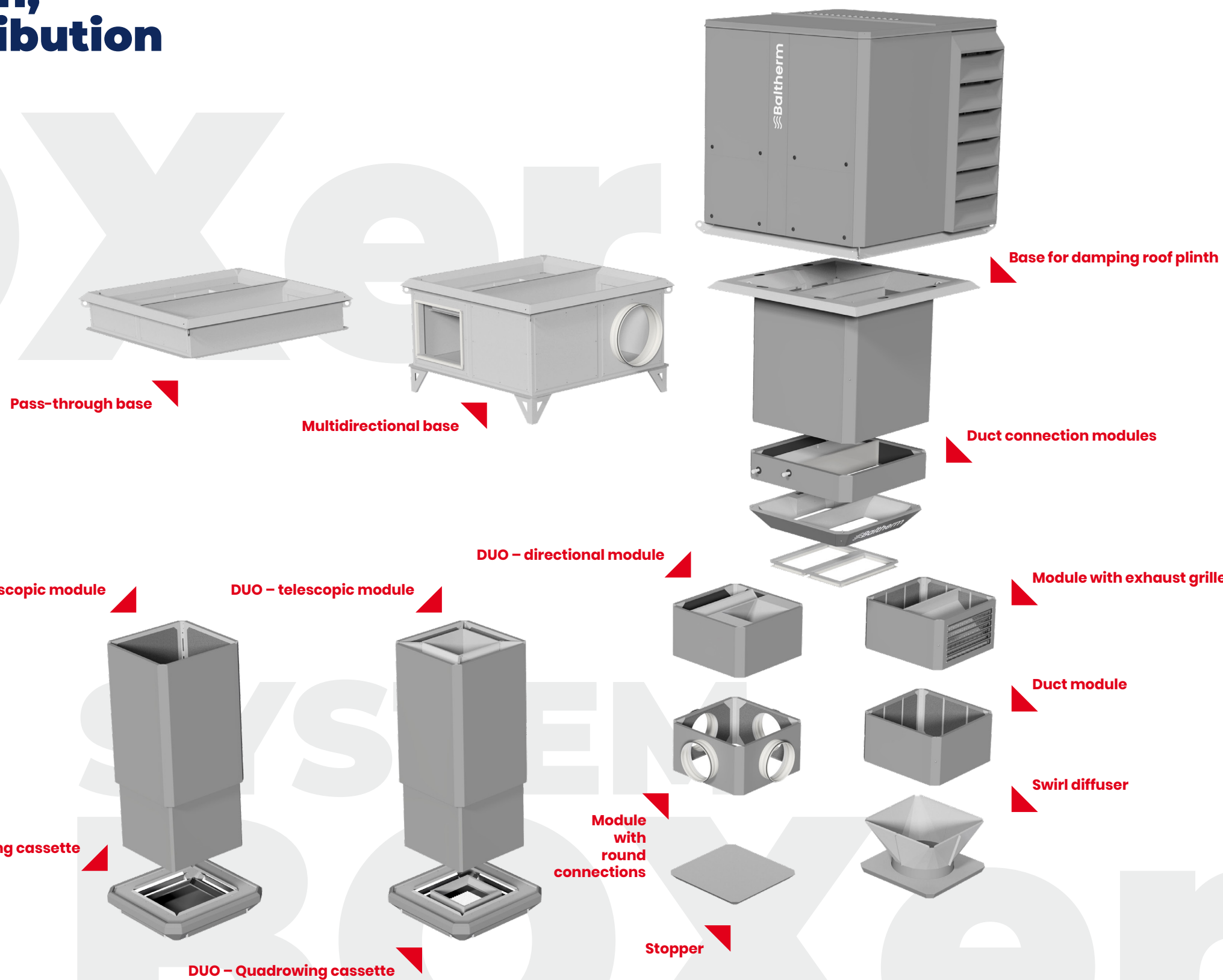
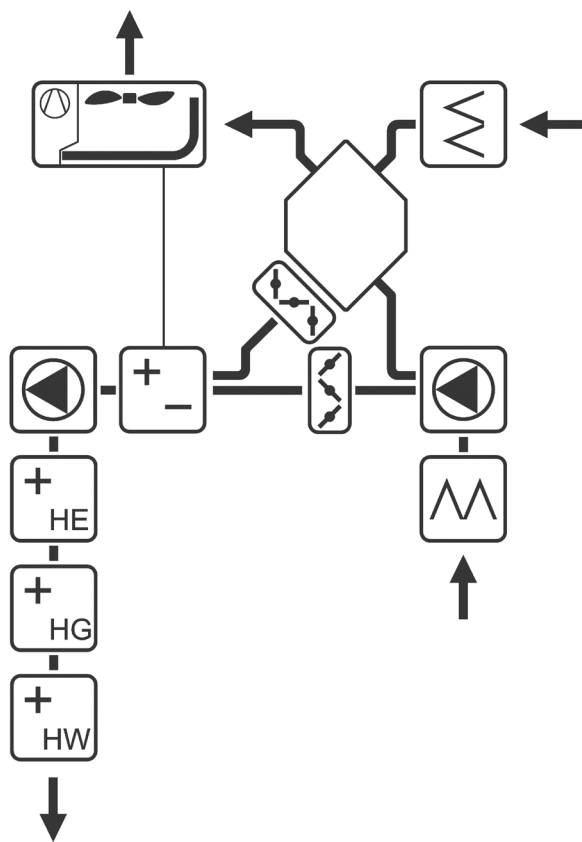
**SYSTEM
BOXer**

Compact device for heating, cooling and ventilation,
with modular air distributionsystem

Compact device for heating, cooling and ventilation, with modular air distribution system

BOXer

BOXer DEVICE DIAGRAM



SYSTEM BOXer TECHNICAL DATA

BOXer	025-12	030-16	045-23	060-33	075-40	090-45
1. Air volume						
Nominal air flow [m ³ /h]	2500	3000	4500	6000	7500	8500
Minimum air flow [m ³ /h]	1500	1500	2750	3300	3500	4500
Maximum air flow [m ³ /h]	3000	3000	4500	6000	9000	9000
Static pressure	100 - 380	100 - 350	100 - 400	100 - 350	100 - 450	100 - 400
2. Heat recovery						
Type of exchanger	aluminium, counterflow					
Heat recovery efficiency [%] ⁽¹⁾	78,7	81,8	86,4	84,3	85,0	83,8
3. Economizer						
Air recirculation system	Adjustable counter-rotating damper					
Fresh air share [%]	0 - 100					
4. Heat pump						
Cooling capacity [kW] ⁽²⁾	12,1	15,5	22,6	33,5	40,0	45,0
Heating capacity [kW] ⁽³⁾	14,2	17,8	25,0	37,5	41,6	47,0
Compressor type	Rotary			Scroll		
Compressor efficiency regulation	Inverter (VARIABLE REFRIGERANT FLOW)					
Number of compressors/Number of circuits	1/1	1/1	1/1	1/1	1/1	1/1
Refrigerant Type	R410A					
Amount of refrigerant [kg]	4,0	4,0	6,1	6,1	10,0	10,0
5. Fans						
Fan type	EC Radial					
Number of fans supply/exhaust	1/1					
6. Supply air filters						
Filter class	F7/ ePM10 80% (standard)					
Filter type	pocket					
7. Exhaust air filters						
Filter class	G4 / ISO Coarse 65% (standard)					
Filter type	pocket					
8. Gas heater						
Heating capacity range [kW]	4,7 - 18,1	4,7 - 18,1	8,0 - 33,5	8,0 - 33,5	9,0 - 40,4	9,0 - 40,4
9. Water heat exchanger						
Nominal heating capacity [kW] ⁽⁴⁾	25,8	25,8	40,0	40,0	51,3	51,3
10. Electrical heater						
Heating capacity range [kW]	10 - 15	15 - 25	15 - 25	35 - 50	35 - 50	45 - 64
11. Electrical and construction data						
Power supply [V~/Hz]	400~/3/50					
Device housing design	Steel frame structure with side panels. Alu-zinc and polymer coating. Thermal and soundproof insulation.					
Weight [kg]	275	290	470	470	800	820
Dimensions (L x W x H) (mm)	1520 x 1520 x 1535		1820 x 1820 x 1835		2250 x 2457 x 1835	

(1) According to EU Commission Regulation No. 1253/2014 to the Ecodesign Directive, i.e. for dry bulb and the temperature difference of supply and exhaust air of 20K. With a nominal supply air flow and a 50% share of fresh air.
 (2) Data consistent with Eurovent, i.e. nominal air flow and air temperature at the inlet to the internal exchanger DB 27°C/WB 19°C and external air temperature DB 35°C/WB 24°C.
 (3) Data consistent with Eurovent, i.e. nominal air flow and air temperature at the inlet to the internal exchanger DB 20°C/WB max 15°C and external air temperature DB 7°C/WB 6°C.
 (4) Nominal air flow, heating water parameters 50/40°C, air temperature at the exchanger inlet 11°C