

SIMPLY THE BEST
SOLUTIONS

HVAC
SYSTEMS

TEVHR PLUS

Heat Recovery Units With
Counter Flow Exchanger



TEKNOGEN®

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Technical Specifications

Fully automated package unit with, ability to communicate with BMS via Modbus or Bacnet system

Double skin panel design (25 mm. in thickness and filled with 70 kg/m³ rockwool insulation)

TEVHR PLUS Units have by-pass ventilation as standard. With by-pass ventilation it is possible to use fresh air directly to cool down indoor at summer. The controller checks indoor air temperature, outdoor air temperature, user set temperature and turns on/off the clamp integrated directly to the unit.

Energy efficient EC plug fans

High efficiency with counter flow exchanger



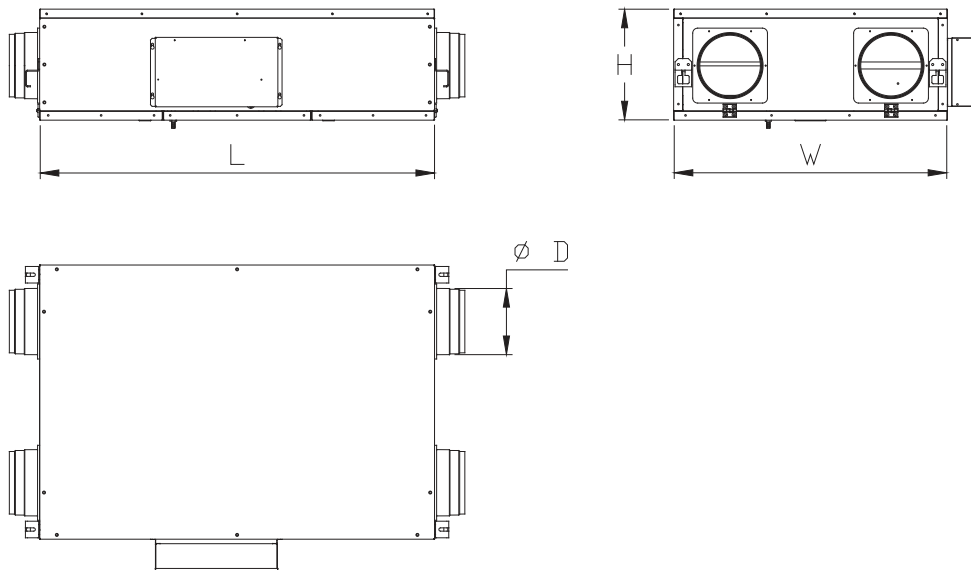
Counterflow heat exchangers are used to increase the heat transfer in the heat recovery exchanger. With the engineered design the pressure loss over the heat exchanger is minimised. The leakage between the air streams is minimised as a result of the special clinching through the edges of the heat exchanger plates. The heat exchanger is insensitive to frost related damage. Sea water resistant Aluminum plates can be cleaned with water.

M5/F7 panel filter

Technical Specifications

Model		TEVHR PLUS							
		TEVHR PLUS 400	TEVHR PLUS 1000	TEVHR PLUS 1300	TEVHR PLUS 1900	TEVHR PLUS 2200	TEVHR PLUS 2900	TEVHR PLUS 3500	TEVHR PLUS 4000
Air Flow	m ³ /h	400	1000	1300	1900	2200	2900	3500	4000
Heat recovery efficiency	%	83,2	82,7	82,8	83,2	83,3	87,3	87,5	87,2
Supply Voltage	V/Hz/f	230/50/1							
EC Plug Fan		230/50/1							
Fan Motor Power	kW	0,104	0,301	0,462	0,553	0,681	0,957	0,973	1,412
Specific Fan Power SFP	kW/(m ³ /s)	0,936	1,151	1,306	1,048	1,114	1,188	1,002	1,268
Filter Type		M5/F7 Type Panel Filter							

⁽¹⁾ OA: -3°C, 65% RH; RA: 22°C, 50% RH



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HEADQUARTERS

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