RHR AC

Heat Recovery Unit With Cross Flow Exchanger and Heat Pump

Renair

Technical Specifications

A heat recovery ventilator (HRV) provides fresh air that your home, office, etc. may need to improve its indoor air quality (IAQ) when it's tightly closed. HRVs exhaust stale indoor air and replace it with fresh outdoor air without driving up your heating costs by transferring the energy on the stale air to fresh air.

In addition to this procedure, RHR-AC units can supply fresh air at desired temperatures without bringing any cooling or heating load to AC system of the building thanks to heat pump fuction of the unit.

Reducing cooling and heating load of the existing AC system

Free cooling is possible

Fully automated package unit

Energy efficient AC plug fans

Indoor and outdoor application

G4 panel filter

Renair

Technical Specifications

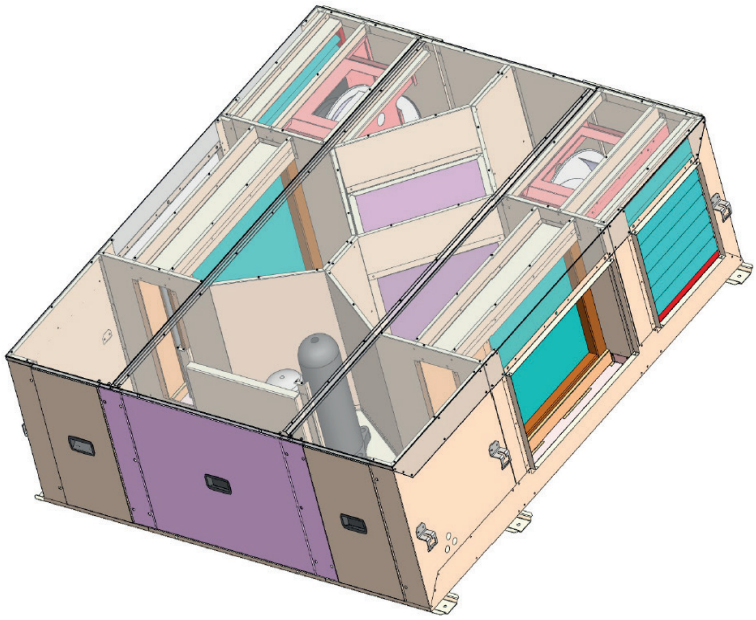
Model			1000	1500	2000	3000	4000
Air Volume		m³/h	1000	1500	2000	3000	4000
External Static Pressure		Pa	150	100	175	125	125
Fan	Power	kW	0,46	0,45	1,03	1,02	1,6
	Current	A	2,1	2	4,5	3	7
Cooling	Capacity	kW	4,7	7,4	9,4	14	21
	Compressor Rated Current	kW	1,24	2	2,3	3,5	5,2
	Maximum Current	A	5,9	8,7	11	16,1	8,8
	COP Cooling	-	3,9	4	4,2	4,1	4,1
Heating	Capacity	kW	7,8	12,2	15,9	22,6	33,2
	Compressor Rated Current	kW	0,9	1,3	1,6	2,4	3,6
	Maximum Current	A	5,9	8,7	11	16,1	8,8
	COP Heating	-	8,9	9,4	9,9	9,4	9,2
Noise Level		dbA	60	60	62	65	67
Power Supply		V / Hz / f	230 / 50 / 1				400 / 50 / 3
Filter Class		EN779	G4 / G4				

Summer : Outside Temperature 33 °C %48 RH; Return Air Temperature 25 °C %50 RH Winter : Outside Temperature -3 °C %80 RH; Return Air Temperature 22 °C %50 RH

* Total Heating and Cooling capacities include, heat recovery values produced by heat exchanger,

** COP calculation does not include fan power values

*** Noise levels are calculated at 250 Hz and at 1 m. distance from the unit.



Renair

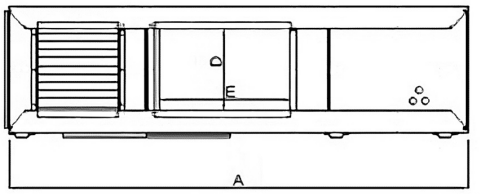
Technical Specifications

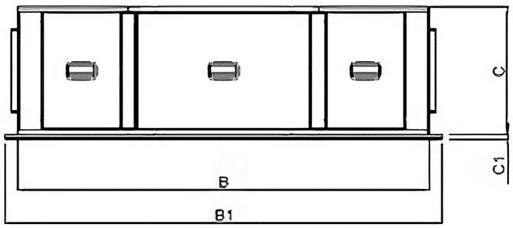
RHR-AC Air Volume Performance Table at Different ESP's													
Model	Pa	0	50	100	125	150	175	200	250	275	300	350	375
RHR-AC 1000	m³/h	1250	1175	1100	1070	1000	970	930	820	750			
RHR-AC 1500		1750	1625	1500	1430	1380	1300	1250	1125	1050	1000		
RHR-AC 2000		2375	2250	2150	2125	2050	2000	1950	1800	1750	1700	1575	1500
RHR-AC 3000		3500	3250	3100	3000	2900	2800	2700	2500	2400	2250	2000	
RHR-AC 4000		4500	4300	4100	4000	3800	3650	3500	3200	3000			

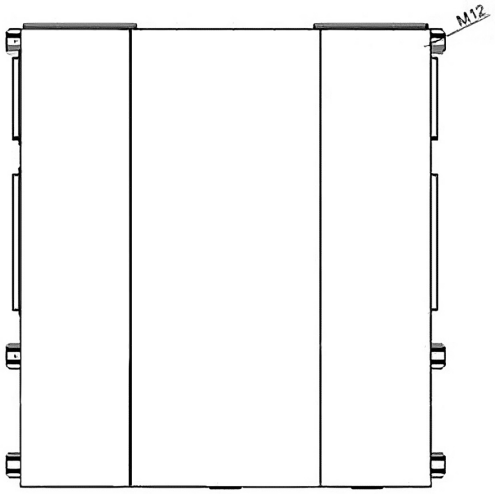
Advantages of RHR-AC Units

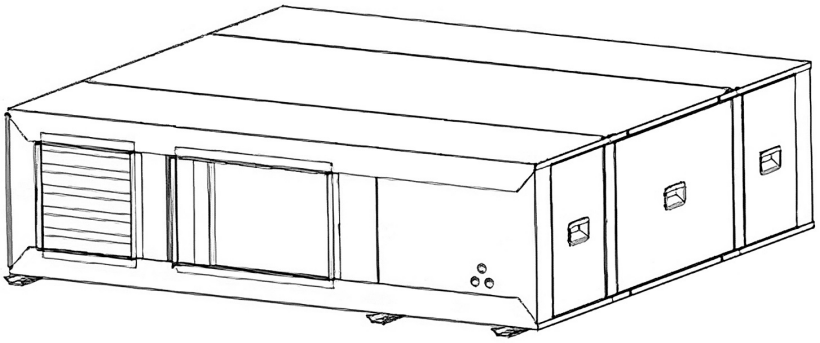
*High efficient , Low Noise AC Plug Fans
*Plug&Play units
*Electrical heater &water coil options
*Duct type silencer(optionall)
*Smart automation solutions
*High external static pressure values
*Temperature, carbon-dioxide and pressure sensors(optional)
*High efficient cross-flow exchangers
*3 steps speed control /stepless speed control

Dimensions









	A	B	B1	C	C1	E	D
RHR-AC 1000	1290	1100	1200	405	15	300	200
RHR-AC 1500	1590	1250	1350	455	15	350	250
RHR-AC 2000	1790	1350	1450	455	15	400	300
RHR-AC 3000	1890	1550	1650	555	15	500	350
RHR-AC 4000	2090	1850	1980	705	15	600	400

Renair

www.renair.com.tr