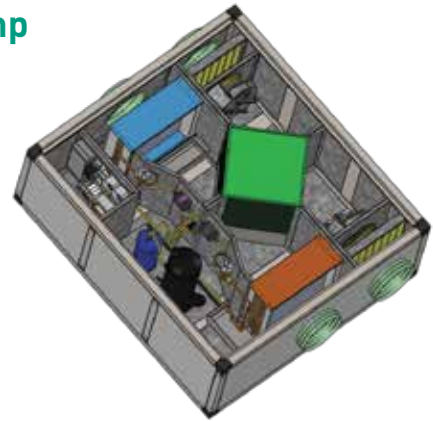


High Efficiency Heat Recovery Ventilation Units

Heat Recovery Ventilation Units With DX Heat Pump Non Inverter Models Double Skin Construction EC Plug Fan

VENTAS VHRV DX PRO series plate mounted heat recovery ventilation units with DX heat pump are designed to provide high indoor air quality by saving energy and meeting required comfort conditions. Plate mounted heat recovery ventilation units with DX heat pump offer simple and easy solutions for air-conditioning by meeting the fresh air need of the buildings in today's technology as well as supplying for heating and cooling load requirements inside the buildings.



Fresh air is cleansed off of outdoor particles by G4/EU4 class filters, and passes through an aluminium plate mounted heat recovery exchanger. After a part of its required heating and cooling need is met through this method, fresh air passes through heat pump and having been adjusted to designed temperature value, blown to the surroundings.

Upon request, silencer, pre-heating electric heater or heating hydrous coil as optional accessories can be included. Especially in very cold climates, pre-heaters should be used in fresh air intake to prevent the exchanger from freezing.

Units include components such as compressor, condenser, aluminium plated heat recovery exchanger, exhaust and fresh air fans, exhaust and fresh air filters, and automation panel.

VENTASTAR Non Inverter VHRV DX Models Double Skin Construction, EC Plug Fan	VHRV DX 500	VHRV DX 750	VHRV DX 1000	VHRV DX 1500	VHRV DX 2000	VHRV DX 3000	VHRV DX 4000	VHRV DX 5000
Air Flow (m³/h)	500	750	1000	1500	2000	3000	4000	5000
External Static Pressure (Pa)	160	210	200	200	210	225	220	270
Cooling Capacity (kW)	3,36	4,63	6,79	9,92	12,61	19,49	26,89	34,17
Heating Capacity (kW)	5,1	7,15	10,11	15,03	19,16	28,57	38,82	49,16
Compressor Power Cooling (kW)	1,59	1,59	1,72	2,3	2,63	4,54	5,55	7,48
Compressor Power Heating (kW)	1,42	1,42	1,42	2,07	2,37	4,04	4,98	6,68
Fan Power Consumption (W)	2 x 86,6	2 x 164,1	2 x 224,2	2 x 305,6	2 x 410	2 x 696,4	2 x 1019	2 x 1438
Fan Input Current (Amper)	2 x 0,73	2 x 1,36	2 x 1,46	2 x 1,36	2 x 2,69	2 x 3,06	2 x 1,57	2 x 2,22
Power Supply	380 V AC / 50 Hz							
Total Electric Consumption (kW) Cooling	1,76	1,92	2,17	2,91	3,45	5,93	7,59	10,36
Total Electric Consumption (kW) Heating	1,59	1,75	1,87	2,68	3,19	5,43	7,02	9,56
EER	1,91	2,41	3,13	3,3	3,63	3,4	3,6	3,28
COP	3,2	4,9	5,41	5,41	6,01	5,26	5,53	5,14
Weight (kg)	292	300	350	490	490	590	695	810
Noise Level db(A)	45,7	49,9	51,6	59,2	52,1	56,2	58,5	61,9
D (mm) Duct Connection	200	200	250	300	300	355	400	500

Model	A (mm)	B (mm)	C (mm)	E Duct Connection (mm)
VHRV DX 500	1525	1195	535	200
VHRV DX 750	1525	1195	535	200
VHRV DX 1000	1525	1360	535	250
VHRV DX 1500	1855	1690	700	300
VHRV DX 2000	1855	1690	700	300
VHRV DX 3000	2020	1855	700	355
VHRV DX 4000	2185	2020	700	400
VHRV DX 5000	2350	2185	700	500

