

NVHRV Heat Recovery Ventilator

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NVHRV ceiling type heat recovery devices has been specially developed to reduce the energy consumption to minimum while providing fresh air required by the closed spaces. So NVHRV conditions the fresh air by using the heat of the exhaust air. The heat of the exhaust air is transferred to the fresh air by cross flowing through an aluminum heat recovery exchanger.

NVHRV is the ideal solution to supply fresh air and exhaust dirty air for offices, hotel rooms, show centers, cafeterias, dormitories, classrooms..etc.

Moreover, NVHRV ceiling type heat recovery devices offer easy and trouble-free operation, high efficiency with plug fans as well as many superior features such as by-pass damper, Summer's nights and external electric heaters.

On the other hand, NVHRV has a perfect control system (NV-1-T) that allows the device to be full-automated with multi integrated functions.



MODEL	NVHRV-10	NVHRV-20	NVHRV-30	NVHRV-40	NVHRV-50
Air flow (m3/h)	1000	2000	3000	4000	5000
Static Pressure (Pa)	120	140	150	150	150
Fan Power (W)	2x150	2x375	2x450	2x650	2x750
Electric Heaters (Optional 380V) (kW)	3	9	12	15	18
Electric Heaters Steps	3	3	3	3	3
Hot Water Coil (Optional) (kW)	10	15	18	22	28
Supplying Voltage (V)	220				
Supplying Voltage for Electric Heaters (V)	380				

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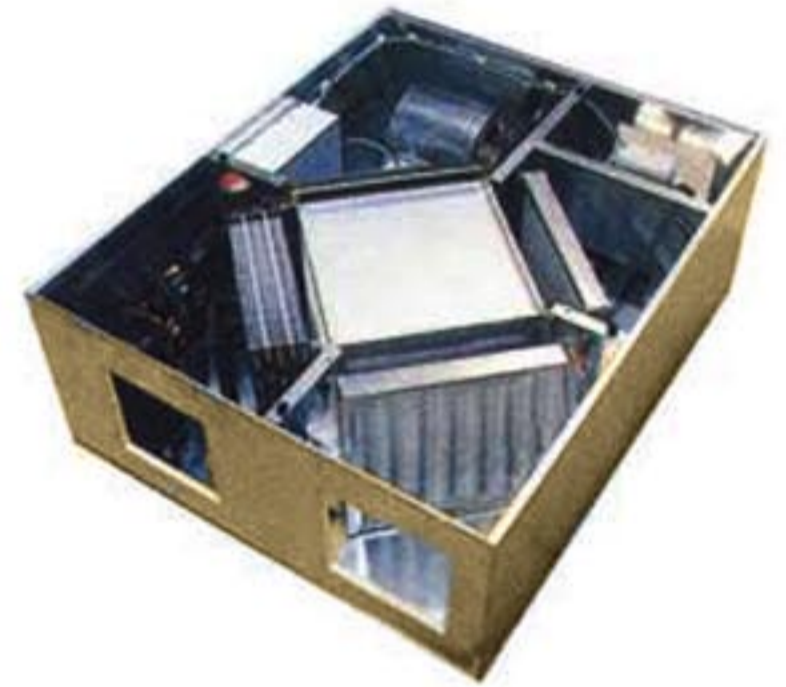
NVHRV-DX Heat Recovery Ventilator

The main purpose of NVHRV-DX devices is to produce simple solutions while meeting the fresh air needs of the indoors. At the same time, it meets the heating and cooling load requirements of fresh air through the plate heat exchanger and heat pump

The body of the device is acoustic insulated and electrostatic powder painted. Moreover, fresh air and return air lines have G class filters. On the other hand, rotary or scroll compressors are used in the heat pump system with environmentally friendly R410A gas.

Evaporator and Condensers in copper tube or aluminum wing type have been designed under 2.5 m / s air speed and low pressure with high efficiency. Moreover, the device has a condensation pan covering the evaporator, condenser and plate heat exchanger.

Last but not least, NVHRV-DX has a perfect control system (NV-I-T) that allows the device to be fully automated with multi integrated functions.



MODEL	NVHRV 10DX	NVHRV 20DX	NVHRV 30DX	NVHRV 40DX
Air flow (m3/h)	1000	2000	3000	4000
Static Pressure (Pa)	120	120	120	120
Heating Capacity (kW)	9	14	18	28
Cooling Capacity (kW)	7.1	12	14.2	24
Fan Power (W)	2x375	2x450	2x650	2x750
Compressor Power (hp)	2.5	3	5	6
Electric Heaters (Optional 380V) (kW)	6	12	15	18
Electric Heaters Steps	3	3	3	3
Hot Water Coil (Optional) (kW)	10	15	20	25
Supplying Voltage (V)	220			
Supplying Voltage for Electric Heaters (V)	380			