



ENERGY RECOVERY VENTILATOR HEAT PUMP

Thenow energy recovery ventilator heat pump is developed for energy saving buildings, which can intelligently control the temperature and humidity, and provide fresh clean air constantly. Adopting split design, it is divided into indoor unit and outdoor unit. Combining of full heat recovery technology, air source heat pump and carbon dioxide air quality detection technology, its energy consumption will be ultra low.



Features



Variable frequency DC compressor, assurance the machine continuously working under high efficiency with energy saving mode



Outdoor unit with DC motor and indoor unit with EC motor, keeping the condensation temperature has been in the best state, to achieve the maximum efficiency of cooling and heating and dehumidification



Automatic operation with dehumidification, cooling, heating, ventilation



Special used two-stage electronic expansion valve under dehumidification mode, one is main valve, the other one is reheat valve



Using positive pressure, avoid water leakage



Three stream air, it not only can take in the outside fresh air, but also separate the indoor stale air and circulation air, avoiding the odor of toilet into the living room



Vacation mode is workable



PLC intelligent control system with 485 interface and wi-fi module



With heat recovery section and heat returning temperature section



Brass material condenser, efficient heat dissipation and anti-corrosion



Air purification: pre filter + medium filter + HEPA filter, eliminating PM2.5 and VOC

Technical Datas

Performance	Unit	VHSN-5-GS01
Temperature	°C	20~24
Humidity	RH	45~60%
Air Flow	m ³	350
Rated Cooling Capacity	Kw	5.2
Rated Heating Capacity	Kw	6.3
Cooling Input Power	Kw	1.48
Heating Input Power	Kw	2.1
Rated Dehumidification	L/D	120
Rated Motor Power	W	200
External Static Pressure	Pa	120
Noise	dB(A)	≤40
Input Voltage	V	AC 220 / 50Hz / 1N
Compressor Q'ty	pc	1
Connection Duct Size (Heat Recovery/Air duct/Liquid duct)	mm	12.7 12.7 9.52
Injection Refrigerant(R410A)	kg	2.3
Weight(Outdoor/Indoor)	kg	35/150
Indoor Unit Size	mm	1600*680*315
Outdoor Unit Size	mm	840*365*550

