



DC Motor



Quiet and Low Noise



Smart home integration



Modular filter grid

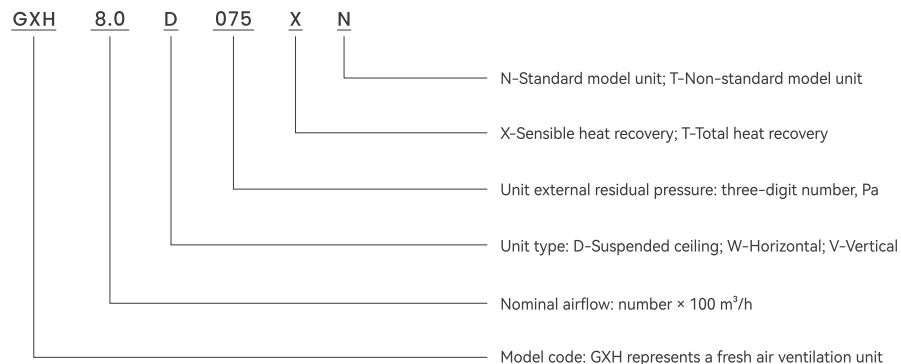
FRESH AIR VENTILATION UNIT

1. The unit's fan is a double-inlet, double-width forward-curved centrifugal fan, which has undergone strict static and dynamic balance inspections, with a balance accuracy not lower than the ISO1940-G4.0 standard.
2. The unit's fan uses tapered sleeve bearings to reduce vibration issues that are typically caused by eccentric lock bearings, and the bearings have a designed service life of more than 75,000 hours.
3. The main components of the unit's fan: impeller, shaft, casing, and heat exchange core, have a service life of not less than 15 years under normal use.
4. The unit's motor is a fully enclosed three-phase asynchronous motor.
5. The entire machine operates with low noise, high efficiency, robust structure, and stable performance.

» Product Features

1. The heat recovery fresh air exchanger uses advanced energy recovery technology to expel polluted air outside while converting the energy (sensible and latent heat) it contains into the fresh air, which then returns to the indoor environment. Thus, it can both exhaust air and bring in fresh air, addressing indoor pollution while maintaining indoor temperature and humidity essentially unchanged.
2. Available in a variety of standard specifications, the fresh air volume range is 150 to 30000m³/h, with a heat exchange efficiency of over 70%. The heat exchange surface is made of aluminum foil with a special coating, which is corrosion-resistant, prevents water film condensation, has good strength, and offers an exceptionally long service life with easy routine maintenance.
3. The unit's unique structural design includes a suspended ceiling style that does not occupy valuable indoor space, and a floor-standing style that can be placed in a machine room with low noise. The built-in low-noise ventilation fan and the interior walls lined with new types of soundproofing and heat-insulating materials ensure a completely silent design.
4. The unit is available in both full heat recovery and sensible heat recovery types; a professional built-in air filter ensures that the air entering the room is fresh and clean, and the filter can be regularly cleaned and reused.
5. The unit uses a heat recovery exchanger to bring fresh outdoor air indoors while expelling indoor polluted air outside, achieving two-way air exchange, air purification, and energy recovery functions, providing a comfortable feeling as if you are in nature.
6. The unit is suitable for comfort air conditioning systems in conference rooms, laboratories, office buildings, computer rooms, restaurants, hotels, sports venues, shopping malls, etc. It is also widely used in various air conditioning systems such as electronics, chemical industry, health care, biopharmaceuticals, machinery manufacturing, parking lots, basements, etc., replacing the functions of fresh air units and exhaust fans, offering greater energy efficiency, environmental friendliness, durability, and enhancing the style and comfort of the air conditioning environment, creating a more comfortable working and living environment.

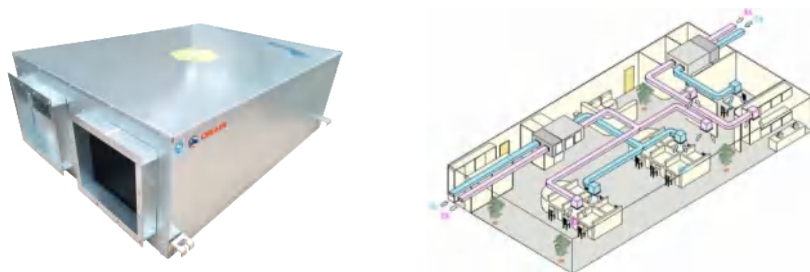
» Model Description



» Ordering Instructions

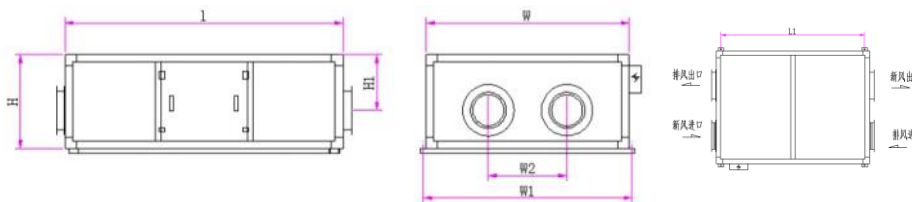
1. Customers should specify the model and specifications of the unit when placing an order.
2. The surface of the unit is beige; if another color is required, please specify when ordering.

» Technical Specifications (Ceiling type)



Model	GXH1.5D	GXH3.0D	GXH5.0D	GXH8.0D	GXH10D	GXH15D	GXH20D	GXH25D	GXH30D	GXH40D	GXH50D	GXH60D
Fresh air volume (m³/h)	150	300	500	800	1000	1500	2000	2500	3000	4000	5000	6000
External static pressure(Pa)	75	80	100	150	200	230	250	250	260	300	300	350
Enthalpy recovery rate(%)	Summer	60	64	60	62	62	66	62	60	62	61	60
	Winter	70	68	65	70	70	71	70	69	69	64	62
Temperature recovery rate(%)	70	70	70	70	70	70	70	70	70	70	70	70
Power Supply	220V/1N~/50Hz						380V/3N~/50Hz					
Power Consumption (W)	100	150	200	280	300	400	1100	1500	1600	2200	3000	3600
Net Weight (kg)	35	40	43	71	83	120	120	160	165	285	360	365

» Outline Dimensions



Model	GXH1.5D	GXH3.0D	GXH5.0D	GXH8.0D	GXH10D	GXH15D	GXH20D	GXH25D	GXH30D	GXH40D	GXH50D	GXH60D
L	800	900	900	1000	1200	1200	1250	1250	1400	1450	1500	1500
L1	750	750	850	1050	1150	1150	1200	1200	1350	1400	1450	1450
W	600	600	650	800	800	900	900	900	1150	1150	1200	1200
W1	700	700	800	850	900	900	1050	1000	1250	1250	1550	1650
W2	320	320	350	400	500	600	600	650	700	750	800	850
H	250	270	270	272	350	380	400	450	500	550	550	590
H1	130	130	140	195	280	300	300	280	210	285	240	270
Air inlet/outlet	Φ150	Φ150	Φ150	Φ150	Φ200	Φ200	300*250	300*250	350*300	400*300	450*300	500*400

» Technical Parameters (Floor-Standing Type)



Features:

- The unit is installed in a floor-standing manner and can be placed in an equipment room or outdoors, with minimal noise in the ventilation area.
- The electrical control box can be attached to the equipment or separated from the equipment for remote control at a distance, with the location determined by the user.
- The fresh air volume and exhaust air volume are each 7000-30000m³/h.
- Suitable for use in swimming pools, workshops, underground garages, large supermarkets, theaters, shopping malls, office buildings, restaurants, and other similar venues.

Model	GXH70W	GXH80W	GXH100W	GXH120W	GXH150W	GXH200W	GXH250W	GXH300W
Fresh air volume m³/h	7000	8000	10000	12000	15000	20000	25000	30000
External Static Pressure Pa	290	290	340	380	420	480	480	500
Enthalpy recovery rate %	Summer	64	64	62	62	65	65	64
	Winter	68	68	70	70	68	69	70
Temperature recovery rate %	72	69	71	68	68	70	71	72
Power Consumption kW	4.4	4.4	6	8	5.5*2	7.5*2	7.5*2	11*2
Power Supply	380V/3N~/50Hz							
Net Weight kg	380	420	450	520	560	680	700	740
Outline Dimensions	L(mm)	2000	2000	2100	2200	2400	2400	3000
	W(mm)	1700	1800	1900	2000	2000	2100	2800
	H(mm)	850	850	880	900	1130	1130	1300
Air Inlet/Outlet Dimensions	W(mm)	600	600	600	600	800	800	1000
	H(mm)	400	400	500	500	500	800	800

» Selection Explanation

When calculating the required fresh air volume for a space, consider the room size and occupancy. The table below suggests fresh air volumes for comfort in various room types.

Room Type	Non-Smoking					Light Smoking		Heavy Smoking
	General Ward	Gymnasium	Theater, Mall	Office	Computer Room	Restaurant	Deluxe Room	Meeting Room
Fresh airflow per person(m³/h)	17-42	8-20	9-21	25-62	40-100	20-50	30-75	50-125
Air exchange rate	1.1-2.6	0.5-1.2	1.1-2.7	1.6-3.9	2.5-6.2	1.2-3.1	1.9-4.7	3.1-7.8

Based on the data provided in the above table, calculate the required fresh air volume using both "Fresh airflow per person" and "air exchange rate." Select the larger of these two values to determine the appropriate unit for your specific application.