



DC Motor



Quiet and Low Noise



Smart home integration



Modular filter grid

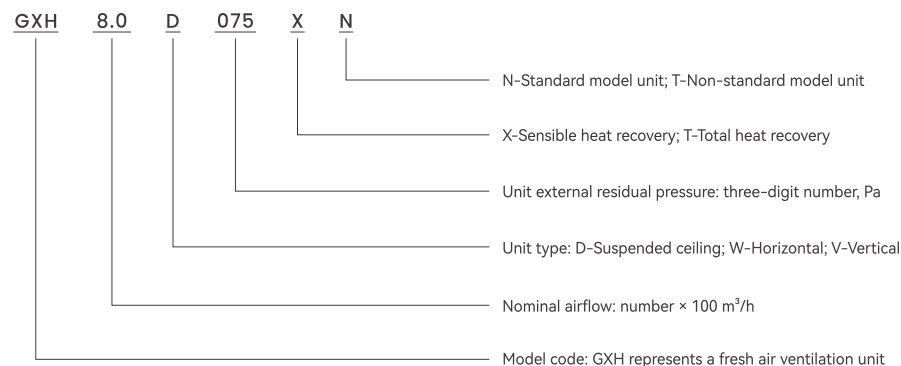
FRESH AIR VENTILATION UNIT

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.

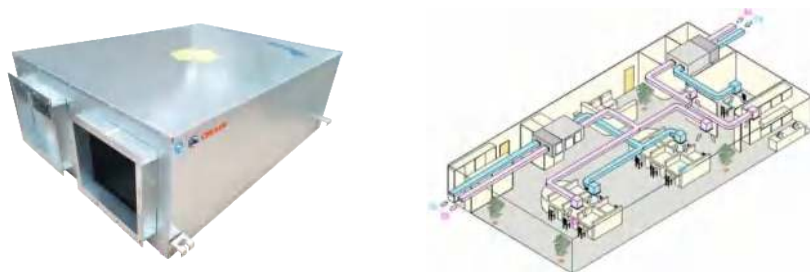
» Model Description



» Ordering Instructions

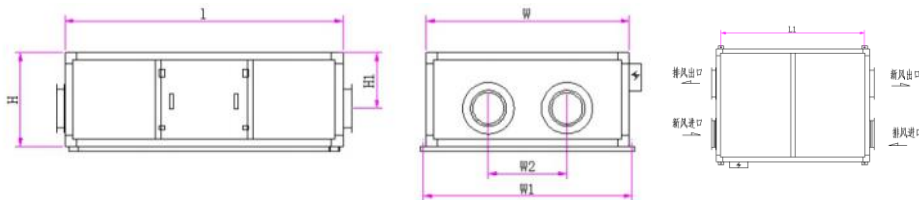
1. Customers should specify the model and specifications of the unit when placing an order.
2. The surface of the unit is beige; if another color is required, please specify when ordering.

» 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 | 2700 | 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.