

FRESH AIR FOR YOUR LIFE

HOLTOP

Beijing Holtop Air Conditioning Co., Ltd.

Factory address : No. 5 Yard, 7th Guanggu Street, Badaling Economic Development Zone,
Yanqing District, Beijing, China

International marketing center

Room 2101, Headquarter Center No. 25, Tian An Hi-Tech Ecological Park, No. 555 Panyu Ave,
Guangzhou, China

Tel: 86-20-39388201-8023

Skype: susanwoo08

Website: www.holtop.com

E-mail: info@holtop.com



HOLTOP



ECO-SMART PRO **PLUS**

Energy Recovery Ventilators



* Data is subject to changes without notification due to product improvement



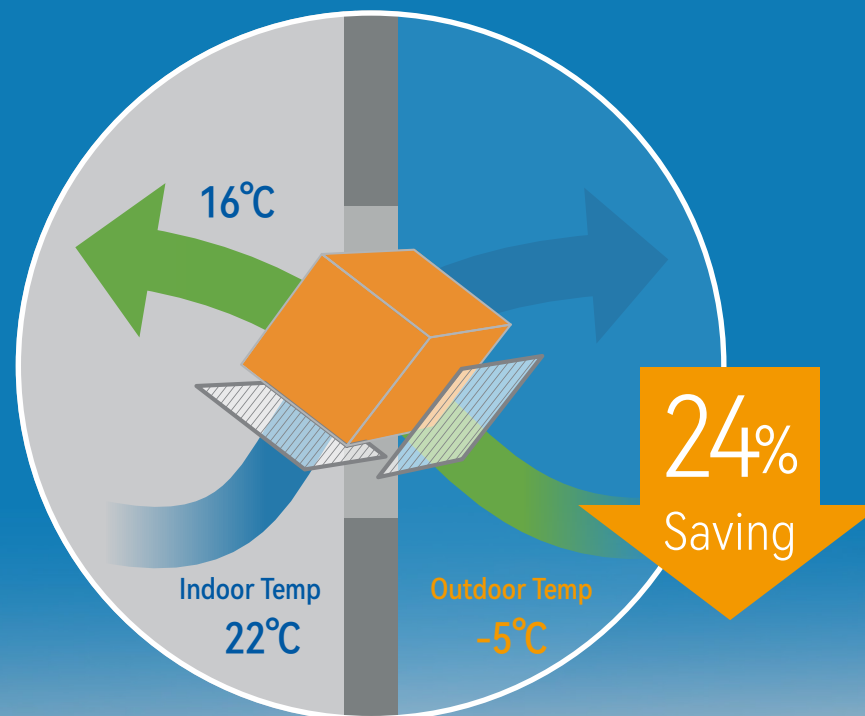
Night Time Free Cooling

Supplies cool air during nighttime to reduce cooling load



Timer Operation

ON/OFF timer can be set by users for automatic control to minimize the unnecessary operation



Comfort Air + Energy Saving

Compared to natural ventilation

High efficiency heat exchanger recovers wasted energy while ventilating.



CO₂ Operation

Controls the fan speed automatically according to CO₂ level



Seasonal Auto Operation

Automatically changes operation mode based on the weather condition by sensing different temperature.

ERV saves energy **Max.39%** compared to natural ventilation

FRESH AIR IS ESSENTIAL TO IMPROVE BUILDING AIR QUALITY.

WE IMPROVE THE QUALITY OF AIR,
SO YOU CAN ENJOY THE QUALITY OF LIFE.

Model Descriptions

XHBQ	-	D	1.5	DMTH	C
1		2	3	4	5

- 1 ECO-SMART energy recovery ventilator
- 2 Installation type, D for suspended type
- 3 Rated airflow (m³/h), times 100
- 4 DMTH is built in PM2.5 filter, DCTF is without PM2.5 filter
- 5 C is for black cool intelligent control

ECO-SMART
Energy Recovery Ventilators



XHBQ-D1.5DCTFC, XHBQ-D2.5DCTFC, XHBQ-D3.5DCTFC

XHBQ-D1.5DMTHC, XHBQ-D2.5DMTHC, XHBQ-D3.5DMTHC



DC motor



10 speeds



Physical filtering



Energy recovery



Silent operation



Energy saving



Smart control



Filter alarm

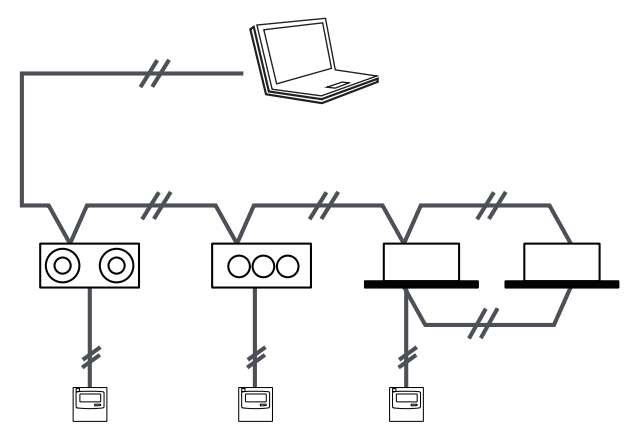


Central control

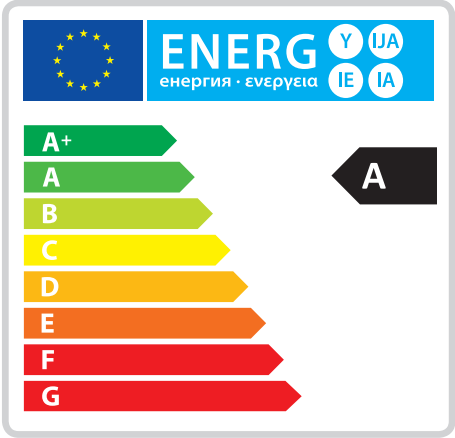


IAQ monitor

Linkage with External A/C
System or BMS Control



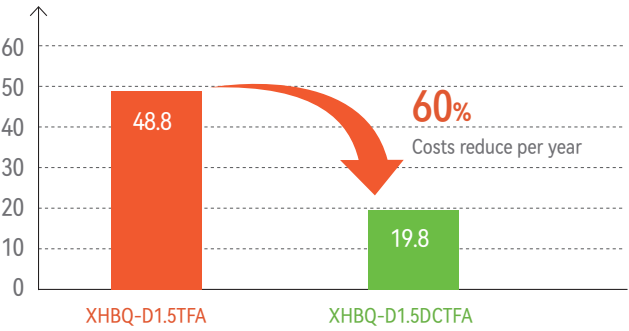
Energy Efficiency Class of A
(According to EU NO. 1254/2014)



Higher Energy Efficiency and Ecology by Powerful Motors

Full series Eco Smart energy recovery ventilator are built with higher efficiency brushless DC motors, power consumption is reduced by up to 70%, resulting in significant energy saving. VSD control is suitable for most of the projects air volume and ESP requirement.

Running costs comparison of Eco-vent pro ERV and Eco-smart pro ERV

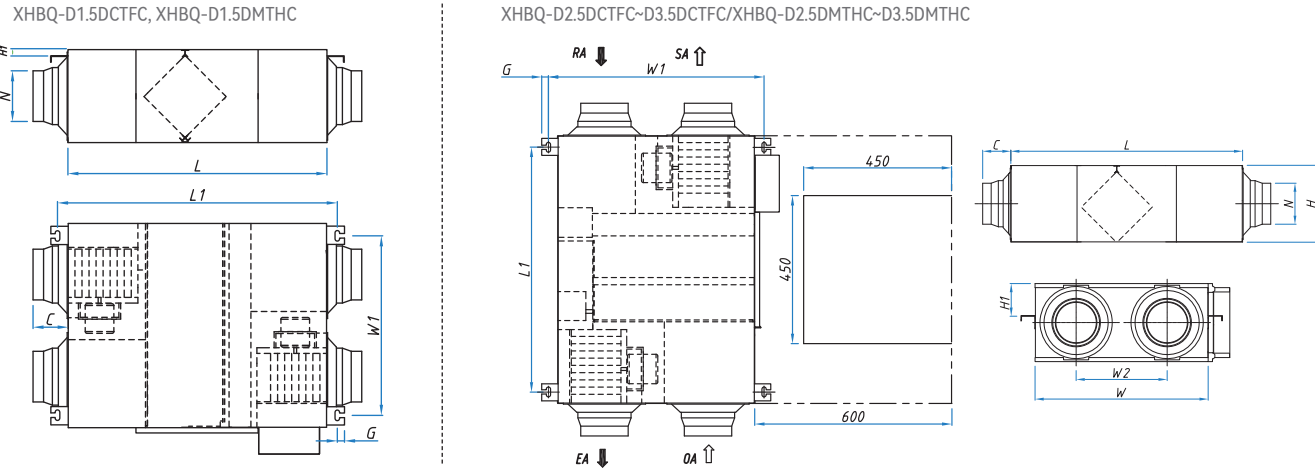


Location: Beijing
Airflow: 250 m³/h
Summer: 24h/day x 122days =2928h (Jun. To Sep.)
Winter: 24h/day x 120days =2880h (Nov. To Mar.)
Electric charge: 0.08 USD/Kw.h

Specifications

Model	Airflow (m³/h)	External pressure (Pa)	Enthalpy Eff.(%)		Temp. Eff. (%)	Noise dB(A)	Input power (W)	Volt. (V)	N. W. (Kg)	Remarks
			Summer	Winter						
XHBQ-D1.5DCTFC	150	80	60-65	63-70	75-80	31.5	43	220-240	23	Without PM2.5 filter
XHBQ-D2.5DCTFC	250	100	62-71	65-73	73-81	34.5	80	220-240	25	
XHBQ-D3.5DCTFC	350	150	62-70	65-73	74-82	37.5	116	220-240	31	
XHBQ-D1.5DMTHC	150	70	60-65	63-70	75-80	31.5	43	220-240	24.5	With PM2.5 filters
XHBQ-D2.5DMTHC	250	90	62-71	65-73	73-81	34.5	80	220-240	34.5	
XHBQ-D3.5DMTHC	350	140	62-70	65-73	74-82	37.5	116	220-240	37.5	

Dimensions



Remarks:
1.It must have an access space for the maintenance of filters, heat exchangers, fans, motors, and bypass damper.
2.Please clean the filters and heat exchangers 2 to 4 times every year.

Model	L	L1	W	W1	W2	H	H1	C	G	N
XHBQ-D1.5DCTFC/XHBQ-D1.5DMTHC	736	795	580	510	290	264	20	100	20.5	Ø144
XHBQ-D2.5DCTFC/XHBQ-D2.5DMTHC	814	745	599	657	315	270	111	100	20.5	Ø144
XHBQ-D3.5DCTFC/XHBQ-D3.5DMTHC	814	745	804	860	480	270	111	100	20.5	Ø144



XHBQ-D5DCTFC~D10DCTFC

XHBQ-D5DMTHC~D10DMTHC



DC motor



10 speeds



Physical filtering



Energy recovery



EPS structure



Durable



Good insulation



Easy access



Silent operation



Bypass function



Energy saving



Smart control



Filter alarm



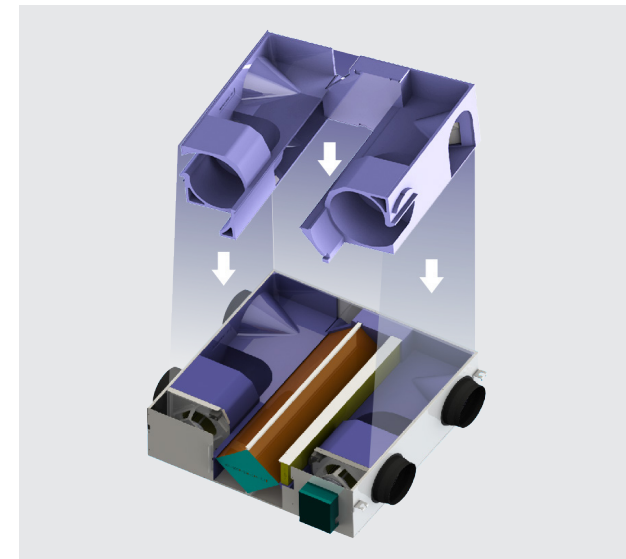
Central control



IAQ monitor

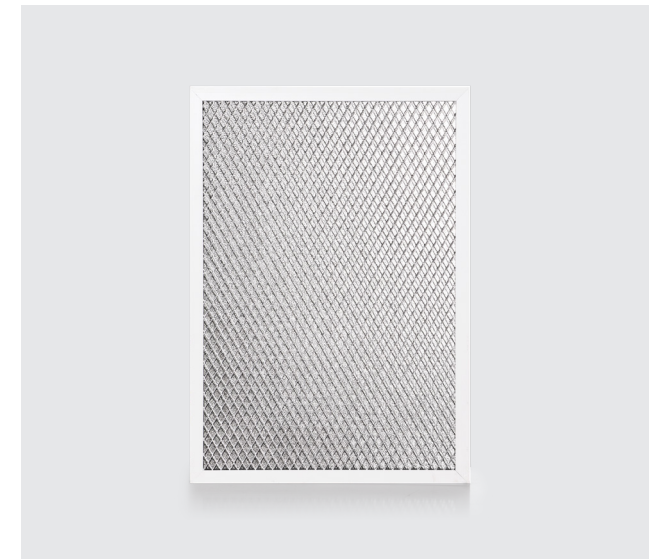
Good Thermal Insulation

The whole series are integrated with EPS structure, effectively preventing condensation, and improving thermal insulation and saving energy consumption.



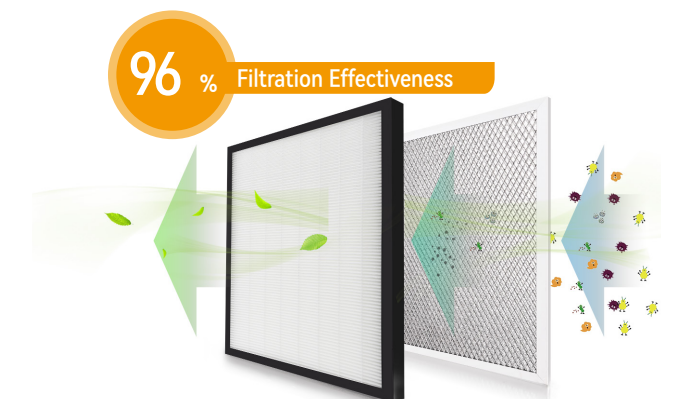
New Primary Filter

New primary filter is made of aluminium alloy frame and rubber filtration materials with nice appearance and longer service life.



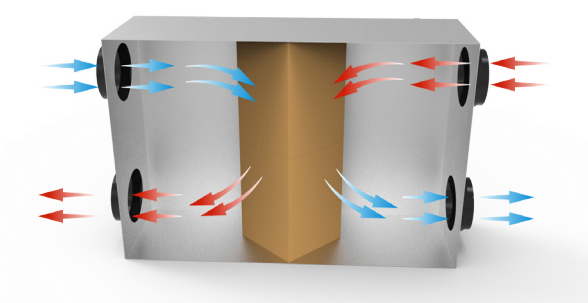
Sub-HEPA F9 Filter Integrated Optional

Optional sub HEPA F9 filter, particle diameter under $2.5\mu\text{m}$ can be filtered effectively, IAQ (indoor air quality) will be increased obviously.



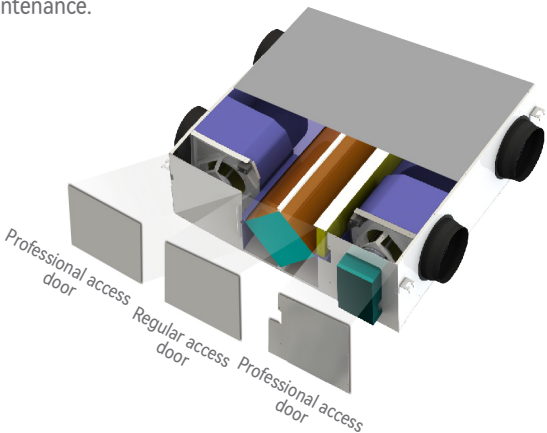
New Compact Structure

New airflow channels are to increase heat exchange surface and improve energy recovery efficiency.



Easy Maintenance

- Regular access door is for maintenance of primary filter, PM2.5 filter and heat exchangers.
- Increase two professional access doors for the control and fan maintenance.

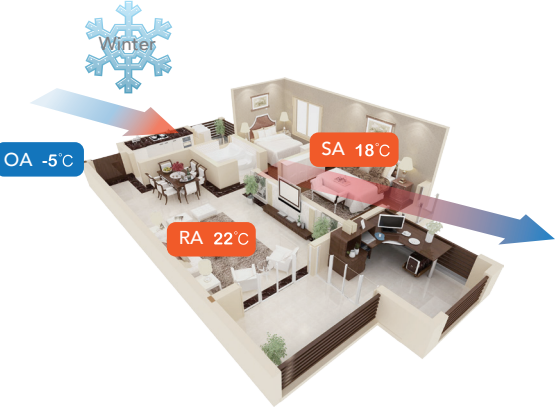
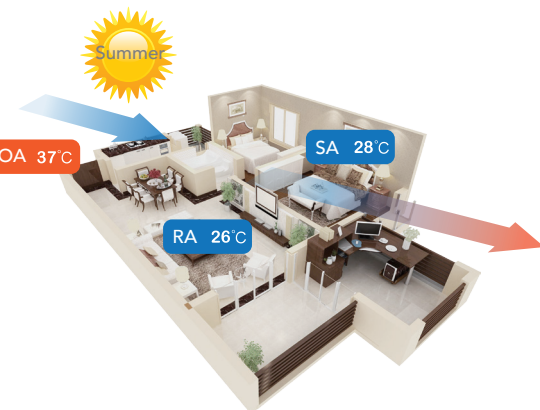
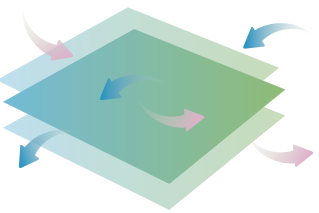


Specifications

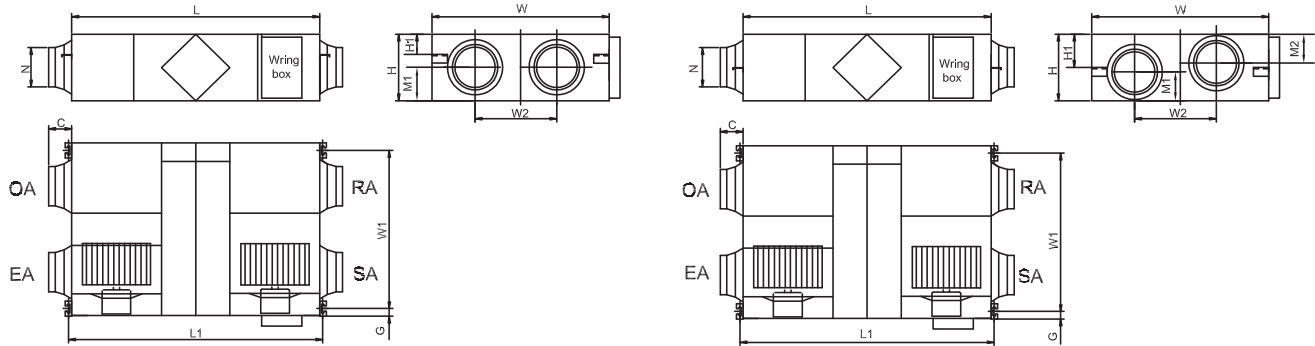
Model	Airflow (m³/h)	External pressure (Pa)	Enthalpy Eff.(%)		Temp. Eff. (%)	Noise dB(A)	Voltage (V)	Input power (W)	N. W. (Kg)	Remarks
			Summer	Winter						
XHBQ-D5DCTFC	500	120	60-74	63-78	76-85	39	220-240	230	34	Without PM2.5 filter
XHBQ-D6.5DCTFC	650	120	63-72	65-76	74-85	41	220-240	363	53	
XHBQ-D8DCTFC	800	150	63-71	65-75	76-85	42	220-240	368	61	
XHBQ-D10DCTFC	1000	150	60-70	62-72	76-85	43	220-240	430	71	
XHBQ-D5DMTHC	500	110	60-74	63-78	76-85	39	220-240	230	35	With PM2.5 filters
XHBQ-D6.5DMTHC	650	110	63-72	65-76	74-85	41	220-240	363	54	
XHBQ-D8DMTHC	800	140	63-71	65-75	76-85	42	220-240	368	62	
XHBQ-D10DMTHC	1000	140	60-70	62-72	76-85	43	220-240	430	72	

Higher Efficiency with 3rd Generation Enthalpy Exchanger

The 3rd generation enthalpy exchanger is made of the latest nanofiber structure to ensure higher efficiency. The heat exchange materials are mildew resistant and fire retardant.



Dimensions



XHBQ-D5DCTFC-XHBQ-D8DCTFC, XHBQ-D5DMTHC-D8DMTHC

XHBQ-D10DCTFC, XHBQ-D10DMTHC

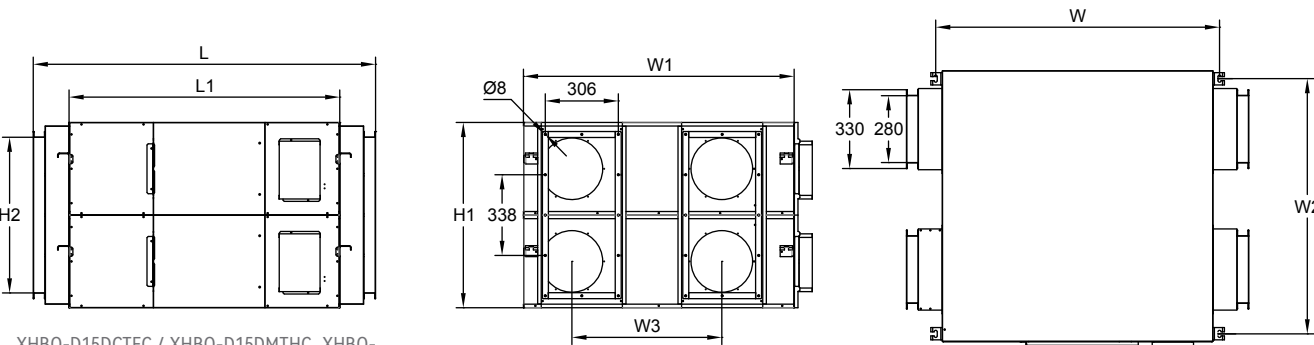
Model	L	L1	W	W1	W2	H	H1	C	G	M1	M2	N
XHBQ-D5DCTFC/XHBQ-D5DMTHC	867	922	902	833.5	451.5	280	115.5	107	26	139.5	/	Ø194
XHBQ-D6.5DCTFC/XHBQ-D6.5DMTHC	1134	1189	884	818	378	388	128	85	26	194	/	Ø242
XHBQ-D8DCTFC/XHBQ-D8DMTHC	1134	1189	1134	1068	628	388	128	85	26	194	/	Ø242
XHBQ-D10DCTFC/XHBQ-D10DMTHC	1193	1248	1243	1173	629.5	388	133	85	26	139.5	241	Ø242

Specifications



Model	Airflow (m³/h)	External pressure (Pa)	Enthalpy Eff.(%)		Temp. Eff. (%)	Noise dB(A)	Voltage (V)	Input power (W)	N. W. (Kg)	Remarks
			Summer	Winter						
XHBQ-D15DCTFC	1500	105	63-71	65-75	76-85	50	220-240	700	146	Without PM2.5 filter
XHBQ-D20DCTFC	2000	125	60-70	62-72	76-85	51.5	220-240	724	166	
XHBQ-D26DCTFC	2600	125	58-66	59-75	74-82	55	220-240	848	189	
XHBQ-D15DMTHC	1500	95	63-71	65-75	76-85	50	220-240	700	147	With PM2.5 filters
XHBQ-D20DMTHC	2000	115	60-70	62-72	76-85	51.5	220-240	724	167	
XHBQ-D26DMTHC	2600	115	58-66	59-75	74-82	55	220-240	848	190	

Dimensions

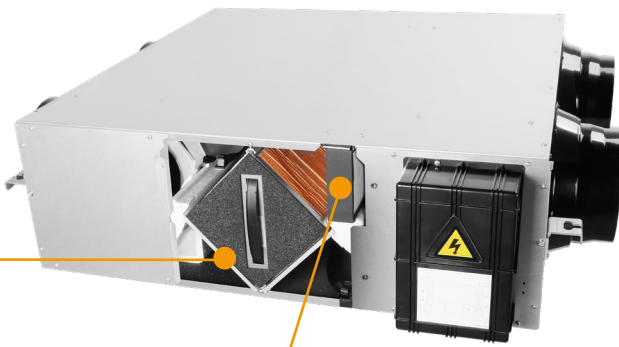


XHBQ-D15DCTFC / XHBQ-D15DMTHC, XHBQ-D20DCTFC / XHBQ-D20DMTHC, XHBQ-D26DCTFC / XHBQ-D26DMTHC

Model	L	L1	W	W1	W2	W3	H1	H2
XHBQ-D15DCTFC / XHBQ-D15DMTHC	1434	1134	1189	884	818	378	776	280
XHBQ-D20DCTFC / XHBQ-D20DMTHC	1434	1134	1189	1134	1068	628	776	280
XHBQ-D26DCTFC / XHBQ-D26DMTHC	1493	1193	1248	1243	1173	629.5	776	280

Optional Filters

We also have optional filters for customers to use in different environment of air cleanness. If you need performance curves for different filters, please contact our sales team.



Optional Fresh Air Filters:



Activated Carbon
Primary Filter



F7 Filter

Optional Supply Air Filters:



H10 Filter



H13 High Efficient Filter

Air Filter Guide

G3 / Activated Carbon Primary Filter MERV 6	F7 Filter MERV 11	F9 / H10 Filter MERV 13	H13 Filter MERV 16
 Lasts up to 3 months	 Lasts up to 3 months	 Lasts up to 3 months	 Lasts up to 3 months
 Ideal for home use	 Ideal for home and business use	 Ideal for home and business use	 Ideal for home and business use
 Traps 50% of airborne particles	 Traps 95% of airborne particles	 Traps 98% of airborne particles	 Traps 99.9% of airborne particles



Intelligent Controller

Intelligent control	 HDK-CK-20
Type	Black cool intelligent control
Temperature display	OA/RA/SA/FR temp.
10 speed	✓
Weekly timer	✓
Bypass	Auto
External ON/OFF	✓
Comfortable heater control	✓
Defrosting	✓
CO ₂ control	✓
Filter alarm	✓
Fault alarm	✓
Data memory	✓
Night free cooling	✓
BMS integration	✓
Humidity control	✓
Defrosting heater control	✓
Working condition monitor	✓
Sleep mode	✓
Wifi function	✓



■ Monitoring indoor air quality

Monitor local weather, temperature, humidity, CO₂ concentration at your hand for healthy living.

■ Variable setting

Timely switch, speed settings, bypass/timer/filter alarm/temperature setting.

■ Optional language

Different language English/French/Italian/Spanish and so on to meet your requirement.

■ Group control

One APP can control multiple units.