

ROOFTOP PACKAGED AIR CONDITIONER

Make Air Treatment More Healthy And Energy Saving

HOLTOP

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MAKE AIR TREATMENT MORE HEALTHY AND ENERGY SAVING

Everyone needs to breathe 25,000 times per day, fresh and clean air is essential.

The ultimate pursuit of details, strict requirements for quality.

Pragmatism, Responsibility, Collaboration, Innovation.

Holtop keeps working on providing you with fresh air, clean, intelligent control, comfortable, convenience - integrated clean air solutions. Holtop delivers fresh and clean air, just for you healthy breath!

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ABOUT HOLTOP

 **2002**

Well-known domestic manufacturer of healthy, comfortable and energy-saving air handling unit.

Annual output of 200,000 units of fresh air, air conditioning and environmental protection equipment.

Won the title of “Zhongguancun and National High-tech Enterprises” and “Specialized, Special, New and Small Giant Enterprises” Accredited for participating in the compilation of many China national standards, with nearly 100 patent.

Obtained ISO9001, ISO14001, ISO45001 management system certification.

Set up sales and service agencies in major cities across China, and won the five-star service certification.

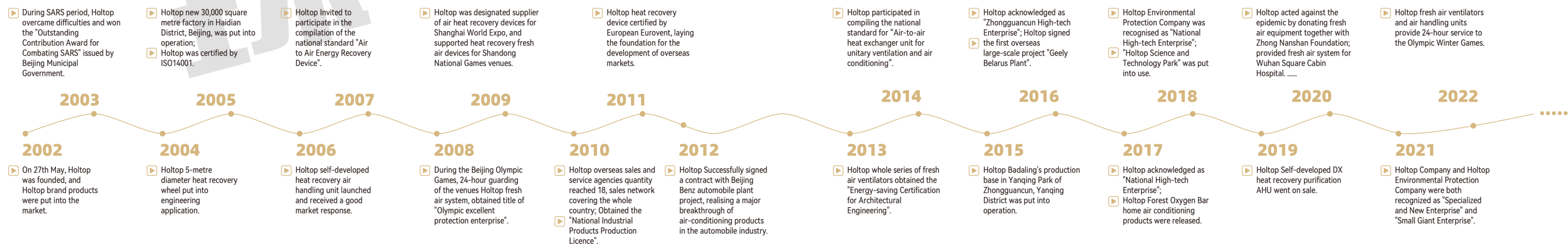
Holtop products are available in over 100 countries and regions, delivering high-quality user experience to hundreds of millions of customers worldwide.

MAKE AIR TREATMENT HEALTHIER AND MORE ENERGY-EFFICIENT

To make the air fresh and the sky blue, to ensure every breath is safer, to utilize energy more sustainably and to make air treatment healthier and more energy-efficient, this is the mission to which we have been dedicated.



DEVELOPMENT HISTORY



CRAFTSMANSHIP

ANNUAL OUTPUT OF 200,000 SETS OF AIR HANDLING UNIT

Holtop Badaling manufacturing base is located in Yanqing Park, Zhongguancun.

Has international advanced production lines and modern intelligent manufacturing equipment.

Details determine quality, Holtop strive for perfection in every detail, and produce excellent products that meet the quality of Holtop.



Sheet metal workshop



Assembly line for standard ventilation unit



Assembly line of ceiling type air handling unit



Assembly area of combined air handling unit



Air conditioning main machine production line



National certified enthalpy laboratory



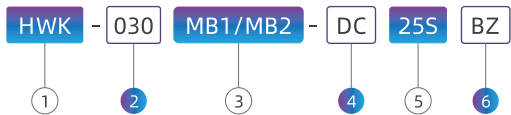
Manufacturing base assembly workshop

ROOFTOP PACKAGED AIR CONDITIONER

Holtop rooftop packaged air conditioner is an air-cooled air-conditioning equipment that integrates heating and cooling. All components of the refrigeration system are concentrated in a box, fresh air and return air are centrally processed, and the treated air is directly sent into the room through the duct. The air volume range of the rooftop packaged air conditioner covers 3000-90000 m3/h, meeting various residual pressure requirements, flexible selection of filters, humidifiers, heaters and other functional sections, rooftop packaged air conditioner has high stability, low noise, strong adaptability, easy maintenance, compact structure, stable operation, more convenient installation and other features.

Holtop rooftop packaged air conditioner can be widely used in sports halls, lecture halls, exhibition centers, theaters, shopping malls, railway stations, airports and other comfortable air conditioning places, but also can be used in machinery, aerospace, medicine, electronics, chemical and other process air conditioning places.

UNIT CHARACTERISTICS



- ① Holtop HWK Series Rooftop Packaged Air Conditioner
- ② Rated horsepower
- ③ Model: MB1 represents the return air model, MB2 represents the fresh air model
- ④ Type: DC represents the variable frequency unit, and no DC represents the fixed frequency unit
- ⑤ Frame type: 25S; 50U; 50H
- ⑥ Model code: BZ represents standard model, without BZ represents non-standard model



Variable Frequency Rooftop Packaged Air Conditioner

Fixed Frequency Rooftop Packaged Air Conditioner

ROOFTOP PACKAGED AIR CONDITIONER OVERVIEW

Holtop rooftop packaged air conditioner is an air-cooled air-conditioning equipment that integrates heating and cooling, which has high stability, low noise, strong adaptability, easy maintenance, compact structure, stable operation, more convenient installation and other features, and it is widely used in sports halls, lecture halls, exhibition centers, theaters, shopping malls, railway stations, airports and other comfortable air conditioning places, but also can be used in machinery, aerospace, medicine, electronics, chemical and other process air conditioning places.



Stable & Reliable

Adopt high performance compressor, world brand parts, smooth operation.



Plug & Play

One-piece package design for quick installation and operation.



Eco-friendly

Eco-friendly type R410A refrigerant, high efficiency and green.

Package and compact design, high functionality and low investment

Compared with other air conditioning systems, the rooftop package unit does not require additional auxiliary facilities (such as cooling towers, circulating water pumps, etc.) to achieve temperature and humidity regulation of the indoor environment, shorten the construction period, and save initial construction investment.



Easy & flexible installation

1. Holtop rooftop packaged air conditioner could be placed outdoor on the ground or the roof deck, no required machine room. After connecting with the supply air and return air ducts, the system construction is completed. It is easy to install and saves indoor space.

2. Only a few works for power cabling, control wiring, ducting are needed before system operation.



Intelligent control, easy to use

The unit intelligent controls the system through advanced control logic, and the controller automatically adjusts the operation of the equipment according to the temperature and humidity and other related parameters to meet the working conditions of the indoor environment. The intelligent control system can realize various functions such as temperature and humidity control, parameter setting, status display, various protection settings, alarm display, etc. One key to turn on the machine, that is, to turn on and use.

PRODUCT FEATURES

Axial fan

Strong torque and low noise, large airflow and excellent heat exchange efficiency.

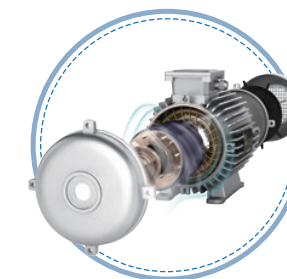


High efficiency and energy saving motor

Efficiently bringing down the losses from electromagnetic energy, heat and mechanical energy, increasing operational efficiency with less heat generation and longer service life.

World class compressor for reliable performance

Adopting a well-known brand high efficiency scroll compressor, which is more reliable than reciprocating compressors with the same capacity. Compressor suction and cooling, higher working efficiency and longer service life.

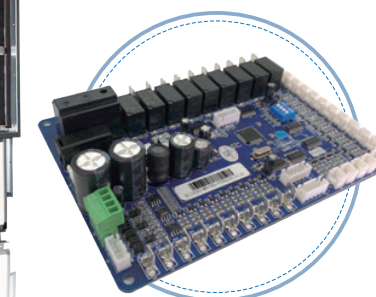


High efficiency heat exchanger

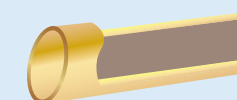
The evaporator is made of blue color hydrophilic aluminum foil, low-pressure loss louvered fin, and internal groove tube combine together perfectly, this design is able to significantly increase the heat exchange efficiency.

Safe electrical control system

Approved by different safety tests and equipped with various protection measurements, which is able to operate under temperature from -10°C to 50°C.

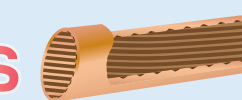


Smooth internal side, small disturbance at heat transfer boundary layer, low heat exchange efficiency.



Common copper tube

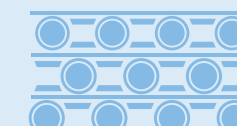
VS



High gear and high internal groove copper tube

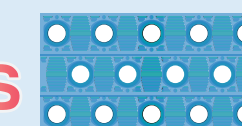
Expand internal surface area, raise the disturbance at the heat transfer boundary layer, and increase heat exchange efficiency.

ø9.52mm diameter aluminum fin with small louver area, heat exchange efficiency is smaller under same heat exchange area.



Regular louvered fin

VS



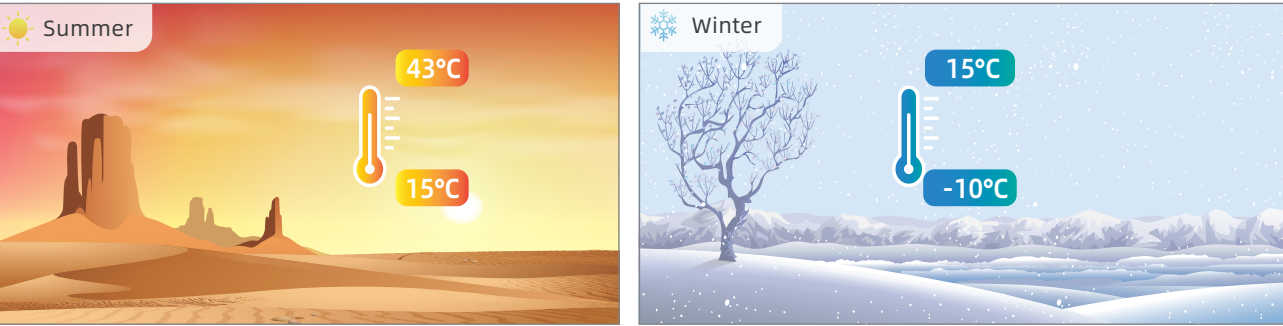
Low pressure loss louvered fin

ø7.94mm diameter louvered fin coated with the hydrophilic film, under the same heat exchange area, the efficiency is 25% more than regular louvered fin.

ROOFTOP PACKAGED AIR CONDITIONER OVERVIEW

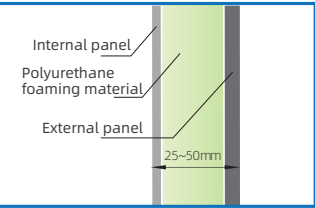
Wide temperature range operation

Cooling mode is still able to work normally when outdoor environment temperature is as low as 15°C, to satisfy the special cooling demand in some certain applications. Heating is available even the outdoor temperature is as low as -10°C.



Sturdy & durable for all outdoor conditions

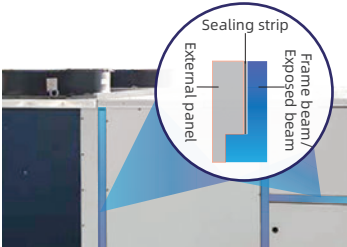
The unit structural components are powder coated for anti-corrosion. High-strength thermal-insulated framework, double-skin PU sandwich panel, and weather-proof structure design particularly for outdoor installation, that are all ensuring its excellent adaptation to various of climate conditions in different areas.



Double-skin PU sandwich panel



High-strength thermal-insulated framework



Weather-proof structure design

Powerful air handling function

The unit features a high static pressure design with a broad pressure range and robust adaptability, allowing for flexible configuration to meet various spatial requirements. This facilitates long-distance, comprehensive airflow distribution, effectively preventing uneven temperature distribution. Furthermore, the unit can be customized with a variety of functional modules to cater to specific user needs.



FIXED FREQUENCY ROOFTOP PACKAGED AIR CONDITIONER PARAMETERS

Model		HWK-010MB1-25S-BZ	HWK-012MB1-25S-BZ	HWK-015MB1-25S-BZ	HWK-018MB1-25S-BZ
Supply airflow (m³/h)		5800	6500	8000	8500
E.R.P (Pa)		400	350	450	400
Noise dB(A)		83	84	82	81
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3 + G2			
Supply fan type		Belt drive			
Supply fan power/pole		2.2kW-4P	3kW-4P	3kW-4P	3kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		25.5	30	35.4	42
Heating capacity (kW)		30.7	33.6	38.3	48.2
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		10.9	11.9	15.15	17.4
Dimension (L×W×H) (mm)		1940*1540*1240	2040*1540*1240	2240*1640*1340	2240*1740*1340
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		700	740	800	930

Model		HWK-030MB1-25S-BZ	HWK-020MB1-25S-BZ	HWK-024MB1-25S-BZ	HWK-036MB1-25S-BZ
Supply airflow (m³/h)		15000	10500	12000	18000
E.R.P (Pa)		400	450	600	650
Noise dB(A)		86	83	86	86
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3 + G2	G4		
Supply fan type		Belt drive			
Supply fan power/pole		5.5kW-4P	4kW-4P	5.5kW-4P	7.5kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		73	51	60	84
Heating capacity (kW)		78	61.4	67.2	96.4
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		29.8	21.4	24.9	36.3
Dimension (L×W×H) (mm)		2840*2040*1440	2382*2040*1840	2482*2040*1840	2948*2240*1840
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		1350	1250	1350	1660

FIXED FREQUENCY ROOFTOP PACKAGED AIR CONDITIONER PARAMETERS

Model		HWK-040MB1-25S-BZ	HWK-048MB1-25S-BZ	HWK-060MB1-25S-BZ	HWK-080MB1-25S-BZ
Supply airflow (m³/h)		20000	23000	33000	40000
E.R.P (Pa)		450	600	600	650
Noise dB(A)		85	89	88	89
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G4			
Supply fan type		Belt drive			
Supply fan power/pole		7.5kW-4P	11kW-4P	15kW-4P	18.5kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		98.5	115	146	196
Heating capacity (kW)		108.7	126.2	156	217.4
Drain tray		Spray cold panel/ DN32		Spray cold panel/ DN40	
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		41.4	49.7	63.6	86.3
Dimension (L×W×H) (mm)		3128*2340*2040	3700*2540*2040	5125*2240*2240	6295*2640*2240
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		1880	2280	2500	3800

Model		HWK-100MB1-25S-BZ	HWK-120MB1-25S-BZ	HWK-150MB1-25S-BZ	HWK-180MB1-25S-BZ
Supply airflow (m³/h)		50000	60000	75000	90000
E.R.P (Pa)		650	700	750	800
Noise dB(A)		91	91	92	95
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G4			
Supply fan type		Belt drive			
Supply fan power/pole		22kW-6P	30kW-6P	37kW-6P	55kW-6P
Refrigerant		R410A			
Cooling capacity (kW)		244	292	365	438
Heating capacity (kW)		264.7	312	390	468
Drain tray		Spray cold panel/ DN40			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		104.5	130.8	165.7	206.2
Dimension (L×W×H) (mm)		6950*3090*2490	7600*3090*2790	9900*3720*2840	10100*3720*2840
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		4600	6000	6258	7542

FIXED FREQUENCY ROOFTOP PACKAGED FRESH AIR UNIT PARAMETERS

Model		HWK-010MB2-25S-BZ	HWK-012MB2-25S-BZ	HWK-015MB2-25S-BZ	HWK-018MB2-25S-BZ
Supply airflow (m³/h)		3000	4000	5000	6000
E.R.P (Pa)		390	435	468	370
Noise dB(A)		80	84	81	85
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3			
Supply fan type		Belt drive			
Supply fan power/pole		1.5kW-4P	2.2kW-4P	2.2kW-4P	2.2kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		26	29.6	34.8	43.2
Heating capacity (kW)		28	32.6	38.8	44
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		9.8	11.9	10.2	16.6
Dimension (L×W×H) (mm)		1940*1540*1240	2040*1540*1240	2240*1640*1340	2240*1740*1340
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		695	720	790	890

Model		HWK-030MB2-25S-BZ	HWK-020MB2-25S-BZ	HWK-024MB2-25S-BZ	HWK-036MB2-25S-BZ
Supply airflow (m³/h)		10000	7000	8000	11500
E.R.P (Pa)		515	450	500	400
Noise dB(A)		83	82	84	83
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3	G3	G3	G4
Supply fan type		Belt drive			
Supply fan power/pole		4kW-4P	3kW-4P	4kW-4P	4kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		72.4	56	65.2	88
Heating capacity (kW)		77.1	52	59.2	86.4
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		28.3	20.4	23.4	32.8
Dimension (L×W×H) (mm)		2840*2040*1440	2382*2040*1840	2482*1940*1840	2948*2240*1840
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		1260	1120	1150	1550

FIXED FREQUENCY ROOFTOP PACKAGED FRESH AIR UNIT PARAMETERS

Model		HWK-040MB2-25S-BZ	HWK-048MB2-25S-BZ	HWK-060MB2-25S-BZ	HWK-080MB2-25S-BZ
Supply airflow (m³/h)		14000	16000	20000	27500
E.R.P (Pa)		450	400	600	650
Noise dB(A)		84	85	86	88
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G4			
Supply fan type		Belt drive			
Supply fan power/pole		5.5kW-4P	5.5kW-4P	11kW-4P	15kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		106	122	156	212
Heating capacity (kW)		100.3	117.5	148.6	200.6
Drain tray		Spray cold panel/ DN32		Spray cold panel/ DN40	
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		39.4	44.2	59.6	82.8
Dimension (L×W×H) (mm)		3128*2340*2040	3700*2240*2040	4925*2240*2240	5895*2240*2240
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		1770	2000	2400	3200

Model		HWK-100MB2-25S-BZ	HWK-120MB2-25S-BZ	HWK-150MB2-25S-BZ	HWK-180MB2-25S-BZ
Supply airflow (m³/h)		34000	40000	50000	60000
E.R.P (Pa)		750	750	650	700
Noise dB(A)		89	90	91	91
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G4			
Supply fan type		Belt drive			
Supply fan power/pole		18.5kW-4P	18.5kW-4P	22kW-6P	30kW-6P
Refrigerant		R410A			
Cooling capacity (kW)		262	312	362	435
Heating capacity (kW)		248.9	297.2	386	463
Drain tray		Spray cold panel/ DN40			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		101	119.3	150.7	181.2
Dimension (L×W×H) (mm)		6400*2240*2440	6950*2240*2740	9900*3720*3040	10100*3720*2840
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		3850	4500	6645	7974

VARIABLE FREQUENCY ROOFTOP PACKAGED AIR CONDITIONER PARAMETERS

Model		HWK-010MB1-DC-25S-BZ	HWK-012MB1-DC-25S-BZ	HWK-015MB1-DC-25S-BZ	HWK-018MB1-DC-25S-BZ
Supply airflow (m³/h)		5500	6500	8000	8500
E.R.P (Pa)		400	350	450	400
Noise dB(A)		83	84	82	81
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3			
Supply fan type		Belt drive			
Supply fan power/pole		2.2kW-4P	2.2kW-4P	3kW-4P	3kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		25.5	28.3	33.8	40.4
Heating capacity (kW)		28.3	31.8	37.9	45.4
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		8.84	9.86	14.41	15.51
Dimension (L×W×H) (mm)		1940*1540*1240	2040*1540*1240	2240*1640*1340	2240*1740*1340
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		700	740	800	930

Model		HWK-030MB1 -DC-25S-BZ	HWK-020MB1 -DC-25S-BZ	HHWK-024MB1 -DC-25S-BZ	HWK-036MB1 -DC-25S-BZ
Supply airflow (m³/h)		15000	10500	12000	18000
E.R.P (Pa)		400	450	400	550
Noise dB(A)		86	83	84	86
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3	G4		
Supply fan type		Belt drive			
Supply fan power/pole		5..5kW-4	4kW-4P	4kW-4P	7.5kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		73	51	56.6	80.8
Heating capacity (kW)		78	56.6	63.6	90.8
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		28	17.28	20.82	32.52
Dimension (L×W×H) (mm)		2840*2040*1440	2382*2040*1840	2482*2040*1840	2948*2240*1840
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		1350	1250	1350	1660

VARIABLE FREQUENCY ROOFTOP PACKAGED AIR CONDITIONER PARAMETERS

Model		HWK-040MB1 -DC-25S-BZ	HWK-048MB1 -DC-25S-BZ	HWK-060MB1 -DC-25S-BZ
Supply airflow (m³/h)		20000	23000	33000
E.R.P (Pa)		450	600	600
Noise dB(A)		85	89	88
Material	External panel	RAL9003 Color coated steel (white)/0.4		
	Internal panel	Galvanized steel/0.4		
Filter type		Plate filter		
Filter class		G4		
Supply fan type		Belt drive		
Supply fan power/pole		7.5kW-6P	11kW-4P	15kW-6P
Refrigerant		R410A		
Cooling capacity (kW)		98.5	113.4	146
Heating capacity (kW)		106.3	123.4	156
Drain tray		Spray cold panel/ DN32		Spray cold panel/ DN40
Service door		Detachable door*2		
Power supply		AC380V/3/50Hz		
Total rated cooling power (kW)		37.54	46.01	60
Dimension (L×W×H) (mm)		3128*2340*2040	3700*2540*2040	5125*2240*2240
Installation		Outdoor with rain cover		
Transportation		Complete unit		
Weight (kg)		1880	2280	2500

Model		HWK-080MB1 -DC-25S-BZ	HWK-100MB1 -DC-25S-BZ	HWK-120MB1 -DC-25S-BZ
Supply airflow (m³/h)		40000	50000	60000
E.R.P (Pa)		650	650	700
Noise dB(A)		89	91	91
Material	External panel	RAL9003 Color coated steel (white)/0.4		
	Internal panel	Galvanized steel/0.4		
Filter type		Plate filter		
Filter class		G4		
Supply fan type		Belt drive		
Supply fan power/pole		18.5kW-6P	22kW-6P	30kW-6P
Refrigerant		R410A		
Cooling capacity (kW)		197	244.5	292
Heating capacity (kW)		212.6	262.3	312
Drain tray		Spray cold panel/ DN40		
Service door		Detachable door*2		
Power supply		AC380V/3/50Hz		
Total rated cooling power (kW)		78.58	97.04	123.6
Dimension (L×W×H) (mm)		6295*2640*2240	6950*3090*2490	7600*3090*2790
Installation		Outdoor with rain cover		
Transportation		Complete unit		
Weight (kg)		3800	4600	6000

VARIABLE FREQUENCY ROOFTOP PACKAGED FRESH AIR UNIT PARAMETERS

Model		HWK-010MB2 -DC-25S-BZ	HWK-012MB2 -DC-25S-BZ	HWK-015MB2 -DC-25S-BZ	HWK-018MB2 -DC-25S-BZ
Supply airflow (m³/h)		3000	4000	5000	6000
E.R.P (Pa)		390	435	468	370
Noise dB(A)		80	84	81	85
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3			
Supply fan type		Belt drive			
Supply fan power/pole		1.5kW-4P	2.2kW-4P	2.2kW-4P	2.2kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		25.5	28.3	33.8	40.4
Heating capacity (kW)		28.3	31.8	37.9	45.4
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		7.74	9.16	13.61	14.71
Dimension (L×W×H) (mm)		1940*1540*1240	2040*1540*1240	2240*1640*1340	2240*1740*1340
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		695	720	790	890

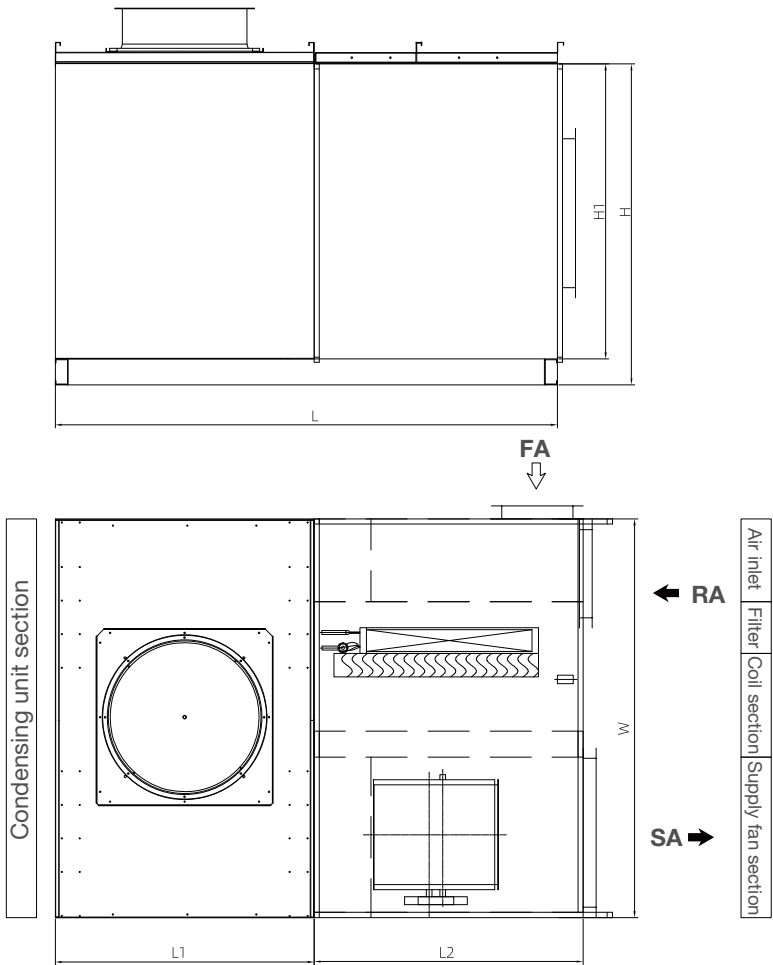
Model		HWK-030MB2 -DC-25S-BZ	HWK-020MB2 -DC-25S-BZ	HWK-024MB2 -DC-25S-BZ	HWK-036MB2 -DC-25S-BZ
Supply airflow (m³/h)		10000	7000	8000	11500
E.R.P (Pa)		515	420	465	400
Noise dB(A)		83	82	84	74
Material	External panel	RAL9003 Color coated steel (white)/0.4			
	Internal panel	Galvanized steel/0.4			
Filter type		Plate filter			
Filter class		G3	G3	G3	G4
Supply fan type		Belt drive			
Supply fan power/pole		4kW-4P	3kW-4P	4kW-4P	4kW-4P
Refrigerant		R410A			
Cooling capacity (kW)		73	51	56.6	80.8
Heating capacity (kW)		78	56.6	63.6	90.8
Drain tray		Spray cold panel/ DN32			
Service door		Detachable door*2			
Power supply		AC380V/3/50Hz			
Total rated cooling power (kW)		26.5	16.28	19.32	29.02
Dimension (L×W×H) (mm)		2840*2040*1440	2382*1940*1840	2482*1940*1840	2948*2240*1840
Installation		Outdoor with rain cover			
Transportation		Complete unit			
Weight (kg)		1260	1120	1150	1550

VARIABLE FREQUENCY ROOFTOP PACKAGED FRESH AIR UNIT PARAMETERS

Model		HWK-040MB2 -DC-25S-BZ	HWK-048MB2 -DC-25S-BZ	HWK-060MB2 -DC-25S-BZ
Supply airflow (m³/h)		14000	16000	20000
E.R.P (Pa)		450	400	600
Noise dB(A)		84	85	86
Material	External panel	RAL9003 Color coated steel (white)/0.4		
	Internal panel	Galvanized steel/0.4		
Filter type		Plate filter		
Filter class		G4		
Supply fan type		Belt drive		
Supply fan power/pole		5.5kW-6P	5.5kW-4P	11kW-6P
Refrigerant		R410A		
Cooling capacity (kW)		98.5	113.4	146
Heating capacity (kW)		106.3	123.4	156
Drain tray		Spray cold panel/ DN32		Spray cold panel/ DN40
Service door		Detachable door*2		
Power supply		AC380V/3/50Hz		
Total rated cooling power (kW)		35.54	40.51	56
Dimension (L×W×H) (mm)		3128*2340*2040	3700*2240*2040	4925*2240*2240
Installation		Outdoor with rain cover		
Transportation		Complete unit		
Weight (kg)		1770	2000	2400

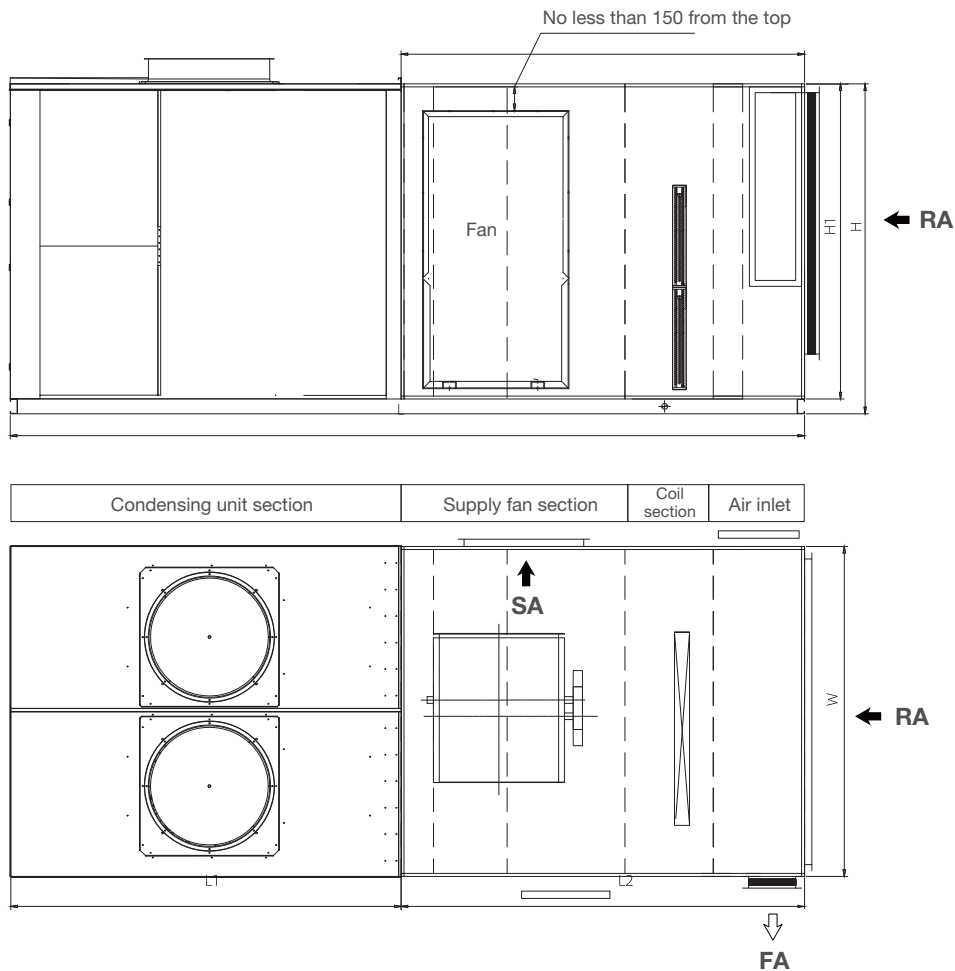
Model		HWK-080MB2 -DC-25S-BZ	HWK-100MB2 -DC-25S-BZ	HWK-120MB2 -DC-25S-BZ
Supply airflow (m³/h)		27500	34000	40000
E.R.P (Pa)		6560	750	750
Noise dB(A)		88	89	90
Material	External panel	RAL9003 Color coated steel (white)/0.4		
	Internal panel	Galvanized steel/0.4		
Filter type		Plate filter		
Filter class		G4		
Supply fan type		Belt drive		
Supply fan power/pole		15kW-4P	18.5kW-4P	18.5kW-4P
Refrigerant		R410A		
Cooling capacity (kW)		197	244.5	292
Heating capacity (kW)		212.6	262.3	312
Drain tray		Spray cold panel/ DN40		
Service door		Detachable door*2		
Power supply		AC380V/3/50Hz		
Total rated cooling power (kW)		75.08	93.54	115.6
Dimension (L×W×H) (mm)		5895*2240*2240	6400*2240*2440	6950*2240*2740
Installation		Outdoor with rain cover		
Transportation		Complete unit		
Weight (kg)		3200	3850	4500

ROOFTOP PACKAGED AIR CONDITIONER (FRESH AIR UNIT) DIMENSION



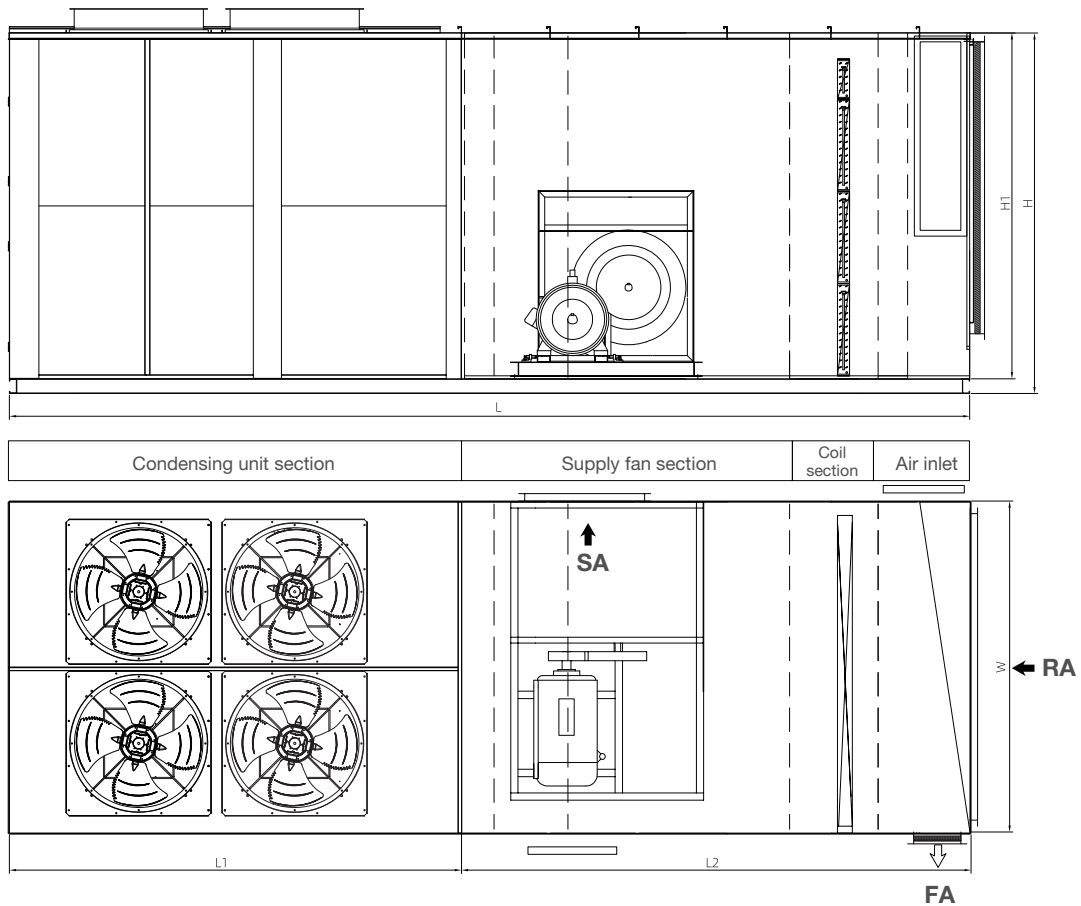
Model	L	L1	L2	W	H	H1	RA inlet size	FA inlet size	SA inlet size
HWK-010MB1-25S-BZ/DC-25S-BZ	1940	1000	940	1540	1240	1140	250×1040	275×875	475×475
HWK-010MB2-25S-BZ/DC-25S-BZ	1940	1000	940	1540	1240	1140	/	275×875	475×475
HWK-012MB1-25S-BZ/DC-25S-BZ	2040	1000	1040	1540	1240	1140	250×1040	275×875	475×475
HWK-012MB2-25S-BZ/DC-25S-BZ	2040	1000	1040	1540	1240	1140	/	275×875	475×475
HWK-015MB1-25S-BZ/DC-25S-BZ	2240	1100	1140	1640	1340	1240	250×1040	275×875	475×475
HWK-015MB2-25S-BZ/DC-25S-BZ	2240	1100	1140	1640	1340	1240	/	275×875	475×475
HWK-018MB1-25S-BZ/DC-25S-BZ	2240	1100	1140	1740	1340	1240	250×1140	275×875	575×575
HWK-018MB2-25S-BZ/DC-25S-BZ	2240	1100	1140	1740	1340	1240	/	275×875	575×575
HWK-030MB1-25S-BZ/DC-25S-BZ	2840	1200	1640	2040	1440	1340	450×1240	275×875	675×675
HWK-030MB2-25S-BZ/DC-25S-BZ	2840	1200	1640	2040	1440	1340	/	275×875	675×675

ROOFTOP PACKAGED AIR CONDITIONER (FRESH AIR UNIT) DIMENSION



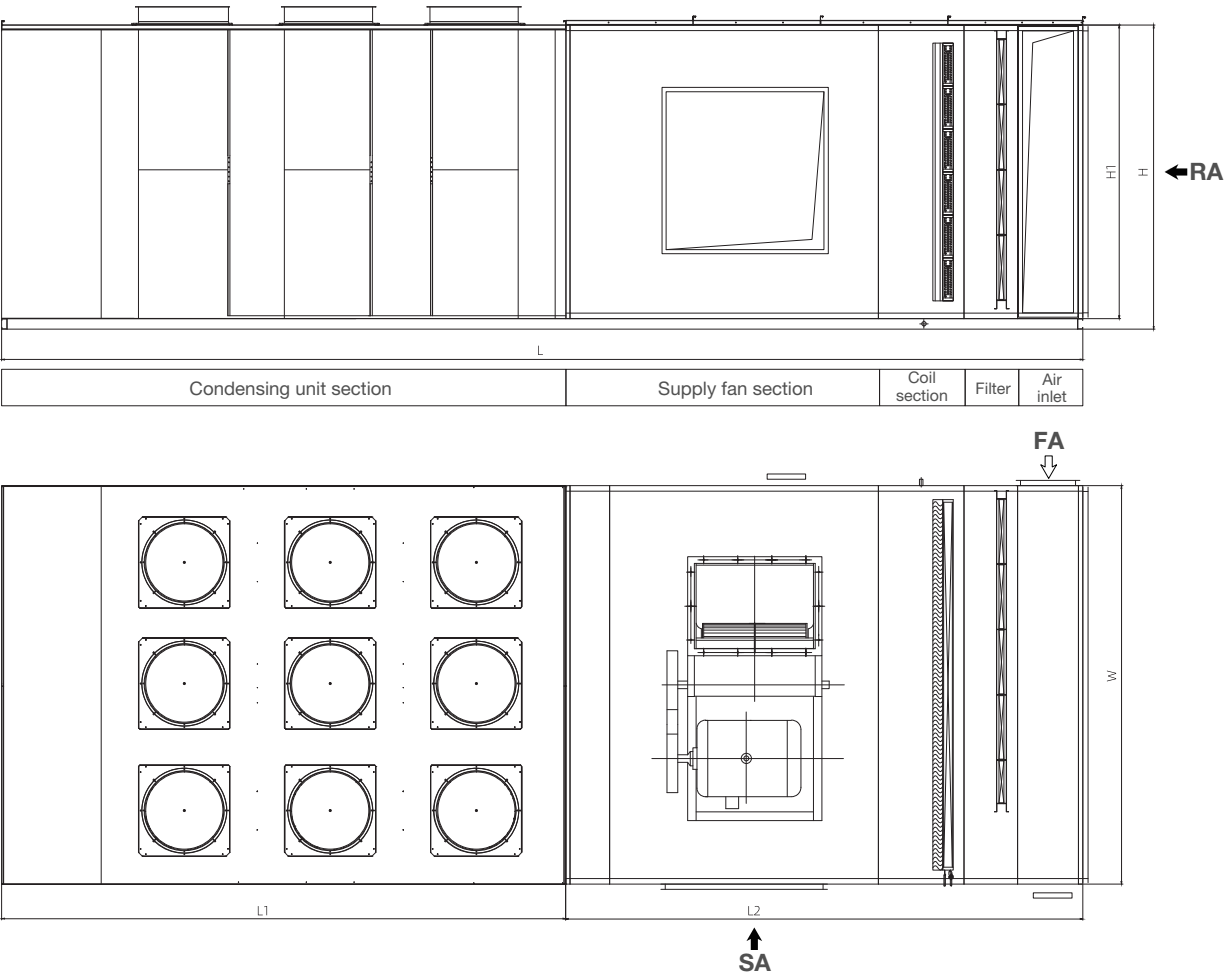
Model	L	L1	L2	W	H	H1	RA inlet size	FA inlet size	SA inlet size
HWK-020MB1-25S-BZ/DC-25S-BZ	2382	1342	1040	2040	1840	1740	350×1640	275×875	575×575
HWK-020MB2-25S-BZ/DC-25S-BZ	2382	1342	1040	1940	1840	1740	/	375×875	375×375
HWK-024MB1-25S-BZ/DC-25S-BZ	2482	1342	1140	2040	1840	1740	350×1640	275×875	575×575
HWK-024MB2-25S-BZ/DC-25S-BZ	2482	1342	1140	1940	1840	1740	/	475×975	475×475
HWK-036MB1-25S-BZ/DC-25S-BZ	2948	1408	1540	2240	1840	1740	450×1640	275×875	675×675
HWK-036MB2-25S-BZ/DC-25S-BZ	2948	1408	1540	2240	1840	1740	/	475×1275	475×475
HWK-040MB1-25S-BZ/DC-25S-BZ	3128	1588	1540	2340	2040	1940	450×1840	275×975	775×775
HWK-040MB2-25S-BZ/DC-25S-BZ	3128	1588	1540	2340	2040	1940	/	575×1375	475×475
HWK-048MB1-25S-BZ/DC-25S-BZ	3700	1960	1740	2540	2040	1940	450×1840	275×975	875×875
HWK-048MB2-25S-BZ/DC-25S-BZ	3700	1960	1740	2240	2040	1940	/	575×1575	575×575
HWK-060MB1-25S-BZ/DC-25S-BZ	5125	1785	3340	2240	2240	2140	2075×1375	475×1375	975×975
HWK-060MB2-25S-BZ/DC-25S-BZ	4925	1785	3140	2240	2240	2140	/	675×2075	575×575

ROOFTOP PACKAGED AIR CONDITIONER (FRESH AIR UNIT) DIMENSION



Model	L	L1	L2	W	H	H1	RA inlet size	FA inlet size	SA inlet size
HWK-080MB1-25S-BZ/DC-25S-BZ	6295	2655	3640	2640	2240	2140	2475×1575	475×1575	975×975
HWK-080MB2-25S-BZ/DC-25S-BZ	5895	2655	3240	2240	2240	2140	/	675×2075	675×675
HWK-100MB1-50U-BZ/DC-25S-BZ	6950	3060	3890	3090	2490	2390	2875×1775	475×1775	1075×1075
HWK-100MB2-25S-BZ/DC-25S-BZ	6400	3060	3340	2240	2440	2340	/	775×2075	775×775
HWK-120MB1-50U-BZ/DC-25S-BZ	7600	3410	4190	3090	2790	2690	2875×2175	475×2175	1175×1175
HWK-120MB2-25S-BZ/DC-25S-BZ	6950	3410	3540	2240	2740	2640	/	975×2075	875×875

ROOFTOP PACKAGED AIR CONDITIONER (FRESH AIR UNIT) DIMENSION



Model	L	L1	L2	W	H	H1	RA inlet size	FA inlet size	SA inlet size
HWK-150MB1-50H-BZ	9900	5270	4630	3720	2840	2740	3000×2660	530×2660	1375×1375
HWK-150MB2-50H-BZ	9900	5270	4630	3720	2840	2740	/	1760×2660	1375×1375
HWK-180MB1-50H-BZ	10100	5270	4830	3720	2840	2740	3000×2660	530×2660	1475×1475
HWK-180MB2-50H-BZ	10100	5270	4830	3720	2840	2740	/	2060×2660	1475×1475