

Cooling Only Rooftop Package

Refrigeration			Ton	3	5	7.5	10	15	17.5	20	25	30
Case \ Model				WMRC04-YIT3	WMRC06-YIT3	WMRC10-YIT3	WMRC14-YIT3	WMRC22-YIT3	WMRC25-YIT3	WMRC28-YIT3	WMRC35-YIT3	WMRC42-YIT3
Power Specifications				380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ
Cooling	Capacity(1)	Btu/h		35820	59710	89000	114000	180000	208000	233000	300000	360000
		kw		10.5	17.5	26.0	35.0	53.0	61.0	70.0	87.5	105.0
	Power(1)	kw		3.3	5.3	7.9	10.7	16.5	18.9	21.7	28.2	34.6
	EER(1)	Btu/h/W		10.9	11.3	11.3	10.7	10.9	11.0	10.7	10.6	10.4
	Capacity(2)	Btu/h		29100	47900	69600	100200	146000	181100	199200	251700	336300
		kw		8.5	14.0	20.4	29.4	42.8	53.2	58.4	73.8	98.6
	Power(2)	kw		3.7	5.9	9.0	12.6	18.6	22.7	25.1	32.0	41.6
	EER(2)	Btu/h/W		7.9	8.1	7.7	8.0	7.8	8.0	7.9	7.9	8.1
Air supply	Air yolume	CFM		1300	2000	2830	4100	7000	7600	8800	10000	12000
	Static pressure	P a		50	50	80	150	150	150	150	150	150
Blower	Quantity			1	1	1	1	2	2	2	2	2
	Motor speed	rpm		1100	1150	1580	1150	1130	1150	1150	1150	1150
compr essor	Type			Scroll								
	Quantity			1	1	1	1	2	2	2	2	3
Refrigerant				R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
Unit noise	dB (A)			65	65	70	71	75	75	75	75	78
Dimensions (L* W*H)	mm			1120*730*830	1120*730*830	1475*1130*840	1473*1138*1200	1965*1370*1230	1670*2192*1247	1670*2192*1247	2320*2220*1245	2320*2220*1245
Package Size (L*W*H)	mm			1150*760*850	1150*760*850	1505*1160*860	1500*1168*1220	1995*1400*1250	1700*2220*1267	1700*2220*1267	2350*2250*1265	2350*2250*1265
Weight	kg			190	210	350	380	580	650	690	820	970
Package Weight	Kg			200	220	360	390	590	660	700	830	980

- Note:
1. Nominal refrigeration capacity test conditions(1): outdoor dry bulb temperature: 35°C, outdoor wet bulb temperature: ---; indoor dry bulb temperature: 26.7°C, outdoor wet bulb temperature: 19.4°C;
 2. Nominal refrigeration capacity test conditions(2): outdoor dry bulb temperature: 46.1°C, outdoor wet bulb temperature: ---; indoor dry bulb temperature: 26.7°C, outdoor wet bulb temperature: 19.4°C;
 3. The operating environment temperature of the unit is 21°C-52°C (T3 working condition).

Cooling & Heating Rooftop Package

Refrigeration		Ton	5	7.5	10	12.5	15	20	25	30
Model			WMRR06-YIT1	WMRR10-YIT1	WMRR14-YIT1	WMRR18-YIT1	WMRR22-YIT1	WMRR28-YIT1	WMRR35-YIT1	WMRR42-YIT1
Power Specifications			380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ	380V/3N/50HZ
Cooling	Capacity	Btu/h	59710	89000	114000	150000	180000	233000	300000	360000
		kw	17.5	26.0	35.0	44.0	53.0	70.0	87.5	105.0
	Power	kw	5.3	7.9	10.7	13.4	16.5	21.7	28.2	34.6
Heating	Capacity	Btu/h	68580	103000	137000	154000	191000	260000	330000	380000
		kw	20.1	30.0	40.0	45.0	56.0	75.0	97.0	111.5
	Power	kw	5.9	8.9	12.1	13.5	17.1	22.8	30.5	36.1
Energy efficiency	Air volume	CFM	1650	2830	4100	5500	7000	8800	10000	12000
		m/h	2805	4811	6970	9350	11900	14960	17000	20400
		lm/s	47	80	116	156	198	249	283	340
	ESP	Pa	50	80	150	150	150	250	300	300
	EER	Btu/h/w	11.3	11.3	10.7	11.2	10.9	10.7	10.6	10.4
COP	Btu/h/w	11.6	11.6	11.3	11.4	11.2	11.4	10.8	10.5	
Blower	Quantity		1	1	1	2	2	2	2	2
	Motor speed	rpm	1150	1580	1150	1130	1130	1150	1150	1150
compr essor	Type		Scroll							
	Quantity		1	1	1	1	2	2	2	3
	Brand		Ivotech	Invotech	Ivotech	Invotech	Ivotech	Invotech	Ivotech	Ivotech
	Model		YH150C1-100	YH200C1-100	YH266C1-100	YH355C1-100	YH200C1-100	YH266C1-100	YH355C1-100	YH266C1-100
Refrigerant			R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
noise		dB (A)	65	70	71	71	75	75	75	78
Dimensions (L* W*H)		mm	1120*730*830	1475*1130*840	1473*1138*1200	1800*1231*1300	1965*1370*1230	1670*2192*1247	2280*2220*1245	2280*2220*1245
Package Size (L*W*H)		mm	1150*760*850	1505*1160*860	1500*1168*1220	1830*1261*1320	1995*1400*1250	1700*2220*1267	2310*2250*1265	2310*2250*1265
Weight		kg	180	270	350	450	540	720	860	1015
Package Weight		Kg	185	275	355	455	545	725	865	1020

- Note:
1. Nominal refrigeration capacity test conditions: outdoor dry bulb temperature: 35°C, outdoor wet bulb temperature: ---; indoor dry bulb temperature: 26.7°C, outdoor wet bulb temperature: 19.4°C;
 2. Nominal refrigeration capacity test conditions: outdoor dry bulb temperature: 7°C, outdoor wet bulb temperature: 6°C; indoor dry bulb temperature: 20°C, outdoor wet bulb temperature: 15°C;
 3. The operating environment temperature of the unit is -7°C-43°C (T1 working condition).

TCL



Worldwide Air Conditioner Partner

Rooftop Package

(On/Off 50hz)



➡ Rooftop package Unit

Our Rooftop package Air Conditioning Unit is designed for efficient, direct air supply to enclosed spaces. Installed on the roof, this system features an advanced refrigeration system, air circulation and purification devices, along with humidification, and ventilation functions.

The unit is available in multiple configurations to suit different working conditions:

T3 Condition:For cooling only units

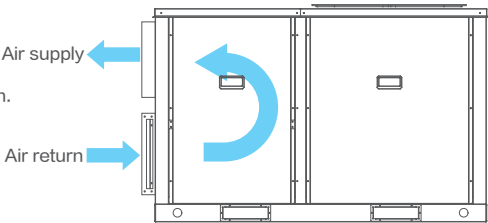
System Principle

The Rooftop package Air Conditioning Unit is built using a modular design, allowing for flexible and segmented installation.

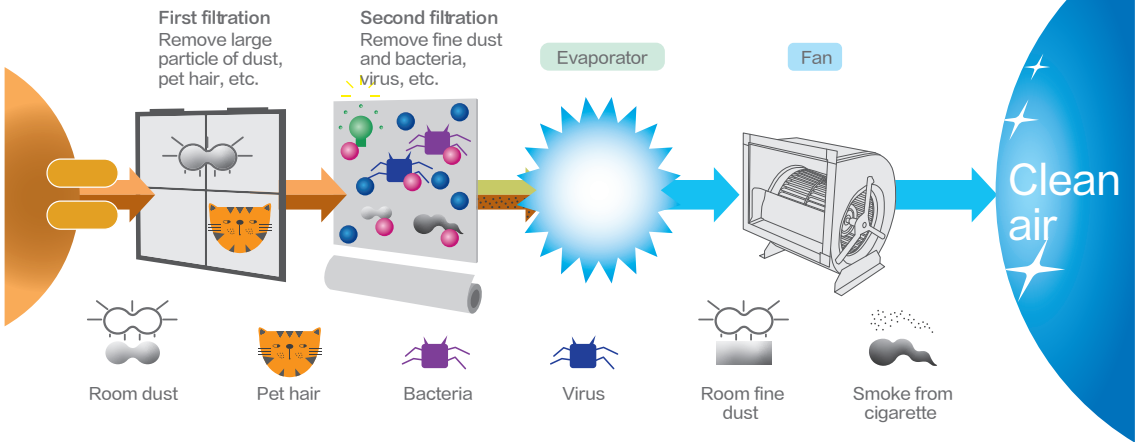
The unit comprises several key sections, including the condensing section, air treatment section, surface cooling section, heating section, and fan section. Additionally, it can be customized with various non-standard designs to meet specific requirements.

Germicidal filter (optional)

The Rooftop package Air Conditioning Unit features a unique double-layer, high-efficiency air filtration system, ensuring the delivery of high-quality, clean air to your space.



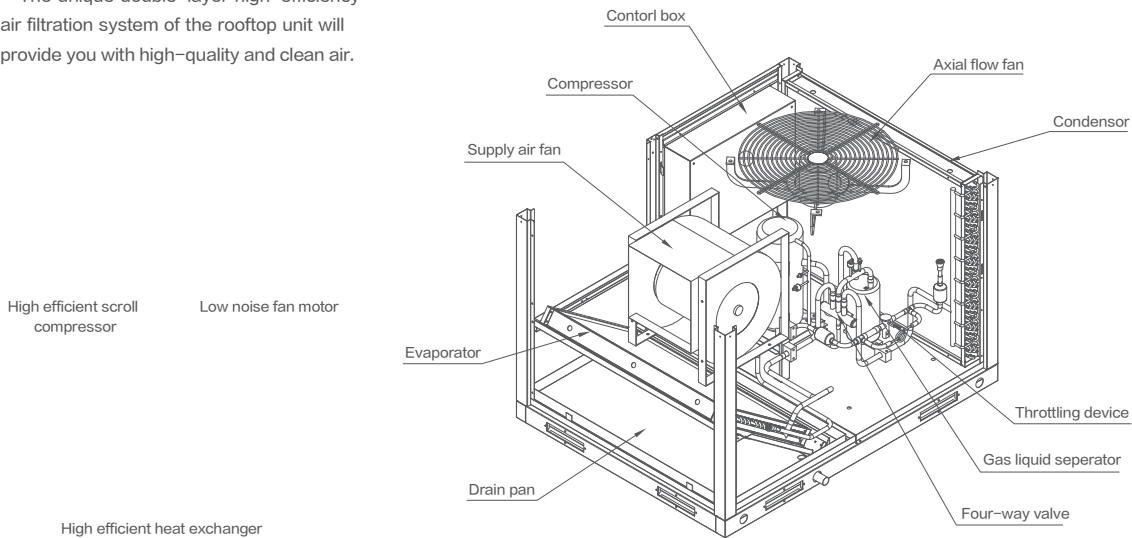
Double-layer high-efficiency filtration



Component

The unique double-layer high-efficiency air filtration system of the rooftop unit will provide you with high-quality and clean air.

Structure



➡ Features

- Wide application range
- Easy installation
- Easy maintenance
- Outstanding reliability
- Flexible choice of accessories

Wide application range

Wide capacity range

- Wide capacity range from 3 to 30 tons
- Heat pump and cooling only products are available.

Wide Operation Range

- Rooftop package units can operate stably in a wide ambient temperature range.
- Heat pump type from 10°C to 43°C in cooling mode and from -7°C to 24°C in heating mode.

Flexible structure

- Vertical side-discharge structure design.
- Flanges of air flow inlet and outlet as standard.
- It is suitable for installation on rooftop and ground.

Easy installation

Convenient for wires connection

- Removable access door on the electric box. It is easy to move the cover of the electric box.
- Only connect the wires of power supply, and no need to connect any signal wires.

Easy for connection of drainage pipe

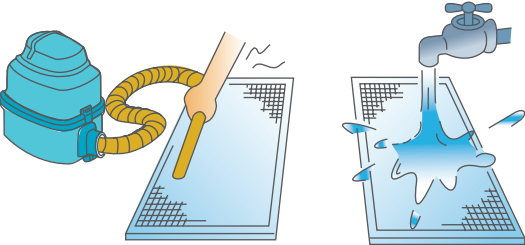
- Reserved external drainage port, quickly and accurately connect the rubber drainage pipe.

Easy maintenance

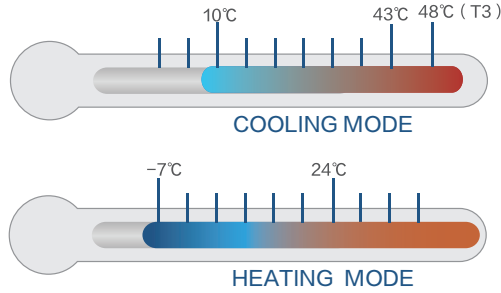
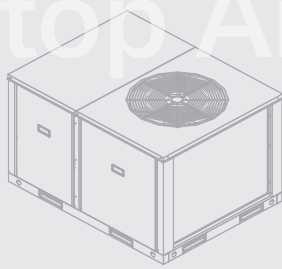
Easy maintenance

- The Rooftop package Air Conditioning Unit is equipped with external pressure gauge ports, allowing for quick and easy system pressure checks.

Washable filter



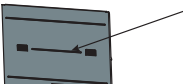
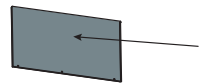
Rooftop Air



Easy access doors design

- The Rooftop package Air Conditioning Unit features removable access doors on the filter, fan motor, and electrical box sections. This design provides convenient access to system components, making maintenance and servicing quick and efficient.

Access panel for electric box



Access panel

Outstanding reliability

Durable construction

- Pre-painted exterior cabinet panels pass 500 hours Salt Spray Test for durability.
- Weather-resistant construction with capped steams and sloped top panels.
- G90 galvanized heavy gauge plate conforming to ASTM-A-653.

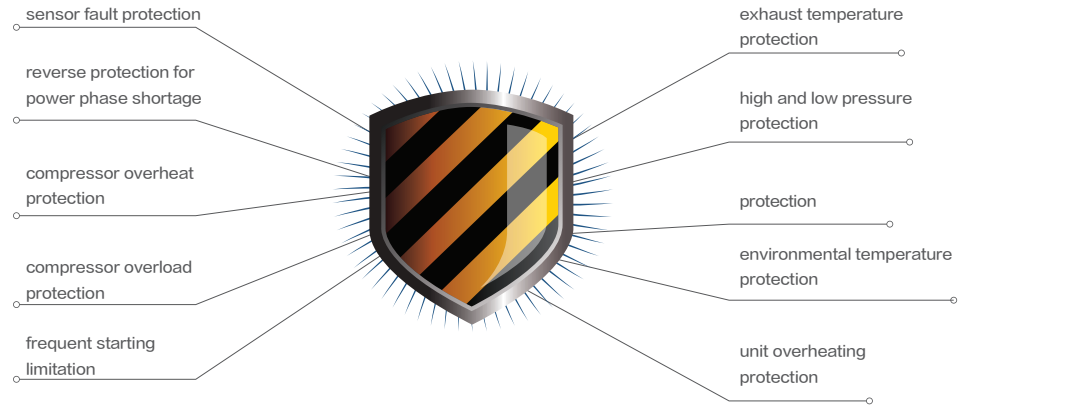
Reliable scroll compressor

- No complex internal suction and discharge valves for quieter operation and higher reliability.
- Compact, light-weight, and fewer moving parts design.

Multi-protection design

- Multiply measures to ensure units operate normally and reliably: System current protection, High/low pressure protection, Temperature Asensor protection, etc.
- Three-phase protector can be customized.
- The unit is designed with the compressor rotation system: in the multi-system unit, the equipment adopts to activate the compressors one by one according to the time and the load, and according to the cumulative running time of the compressors, it gives priority to start the compressor which has the shortest running time, so as to ensure the balance of each compressor's running time and to prolong the service life of the whole unit.

Several Protections



Flexible choice of accessories

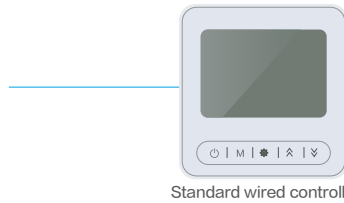
Controllers

- Optional standard wired controller.
- Besides standard wired controller, others can be chosen too.

Customized anti-corrosion treatment

- The rooftop package air conditioners with special anti-corrosion treatment are suitable for seaside areas
- All PCB parts in the unit are coated with double-side moisture proof paint. The outer side of electric box metal cover is spray-painted.
- Special anti-corrosion treatment of heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion.
- All screws are anti-rust.
- Casings of the unit and motors are anti-rust.

INVOTECH



Standard wired controller