YORK®

YorkASEAN202403

Johnson Controls

YORK®

INSTALL CONFIDENCE

General Catalogue

Johnson Controls

Outdoor Unit

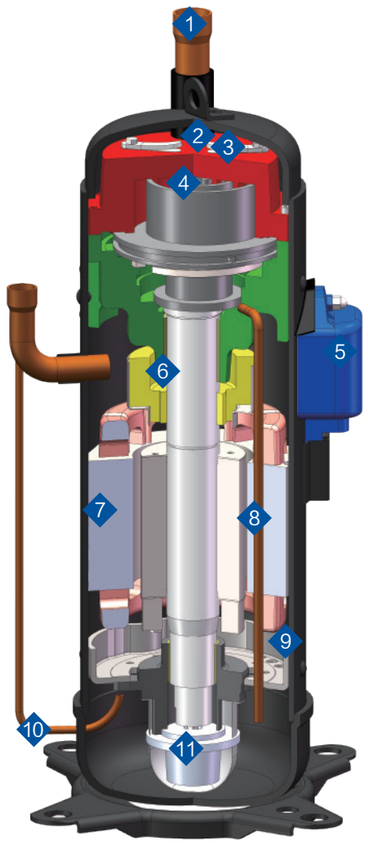
HP	3	4	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52
JVOH Series						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JTOH Series						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JKOH Series	●	●	●	●	●	●	●	●																				

HP	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112
JVOH Series	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JTOH Series	●	●	●	●	●	●	●	●	●	●	●	●	●	●																
JKOH Series																														

Topflow

New High-efficiency Scroll Compressor

Large-capacity high-pressure chamber scroll compressor is featured with an internal oil separation mechanism. Thanks to the internal oil separator and the internal oil return pipe design, most of the lubricating oil can be kept in the compressor, effectively preventing capacity loss caused by excess refrigerant oil in the refrigeration cycle. Besides, the anti-compression technology helps avoid overhigh pressure, reducing power consumption and ensuring a stable and efficient operation.



1 Direct suction
Higher volumetric efficiency.

2 No-return valve design
Enhance efficiency and reliability under high-load operation.

3 Pressure relief valve design
Enhance efficiency and reliability under high-load operation.

4 Asymmetric Scroll
Reduce the leakage loss of the compressor, and enhance the efficiency and reliability.

5 Terminal cover of power supply
Ensure stable and firm wire connection with higher protection level.

6 High-reliability Bearing
Adopt high-reliability slide bearing, better bearing capacity, lower noise and higher reliability.

7 High-efficiency Motor
Rare-earth permanent magnet motor with specially designed structure.

8 Internal oil separation tube
Achieve internal circulation of lubricating oil, reducing overheat loss and the oil discharge rate.

9 High-pressure chamber structure
Large exhaust buffer chamber to reduce airflow noise and vibration during operation.

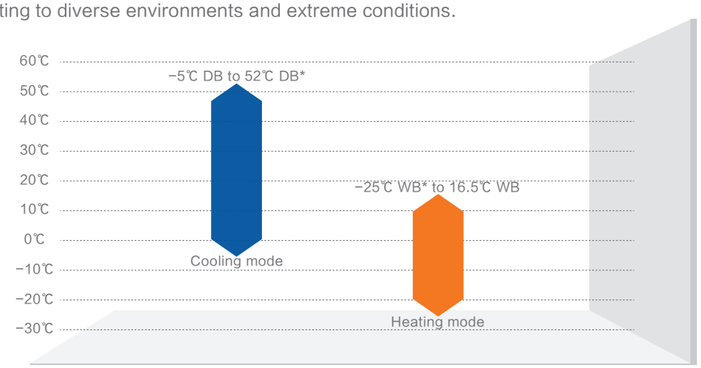
10 Oil Balance Tube
High reliability by oil balance between multiple compressors.

11 High-reliability Oil Supply System
Ensure sufficient oil supply even at low speed and partial load conditions.

Wider Operation Range

Wider operation range creates greater application. The operation range is from −5℃ DB to 52℃ DB in cooling mode and from −25℃ WB to 16.5℃ WB in heating mode, adapting to diverse environments and extreme conditions.

*Note:
The unit will be in intermittent operation when the temperature is among 48℃~52℃ or −25℃~−20℃.



Auto Refrigerant Temperature Control (ART)

YORK Topflow series featured with ART technology can automatically adjust the evaporation temperature (Et). The evaporation temperature will be set into a higher level when the indoor load is low and vice versa, thus to improve energy efficiency.

Features:

1) Energy efficiency is improved without sacrificing comfort.

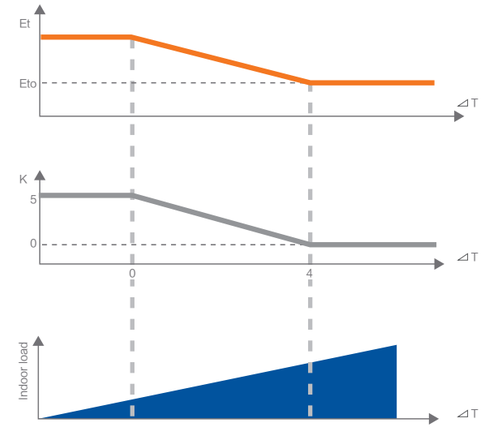
2) ART is particularly efficient under low-load operation.

3) The initial evaporation temperature can be adjusted between 2−11℃, leading the industry.

4) Rapid cooling can be realized with lower evaporation temperature.

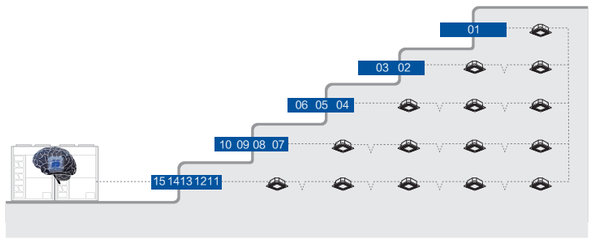
5) Cold draft can be avoided with higher evaporation temperature.

Et=Eto+K
Et: Evaporation temperature
Eto: The initial evaporation temperature
△T: The temperature difference between air inlet and the setting temperature



Automatically Addressing

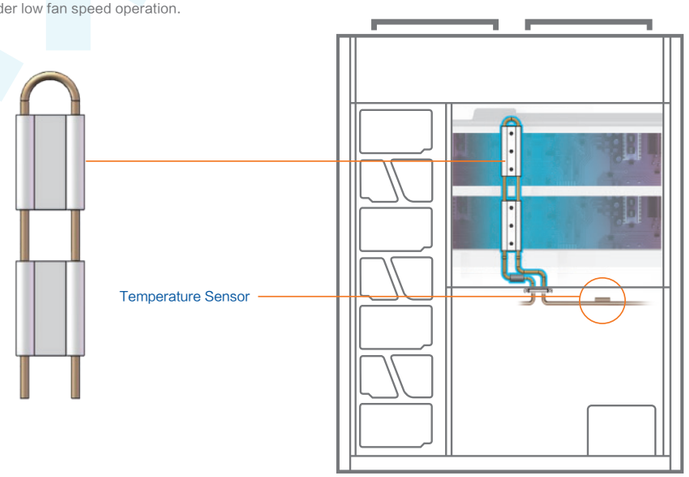
The number of indoor units will increase as the system gets larger, and the setting of IDUs address will become more complicated. YORK Topflow series provides an automatic addressing function to address indoor units. It is simple and convenient for installation and commissioning.



Patented 360° Fitted Refrigerant Cooling Technology

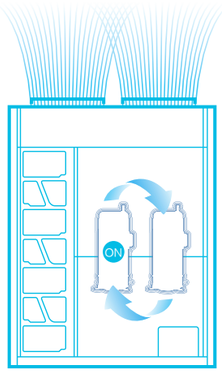
Refrigerant cooling technology is used to cool the electrical control box, maintaining efficient operation even at harsh environment with poor heat dissipation or high ambient temperature. The temperature inside the electrical box can be reduced by up to 20%* compared with air-cooled technology. Besides, a temperature sensor is added in the refrigerant cooling kit to control the temperature more precisely and ensure the whole reliability.

*Note:The data is tested unit under low fan speed operation.

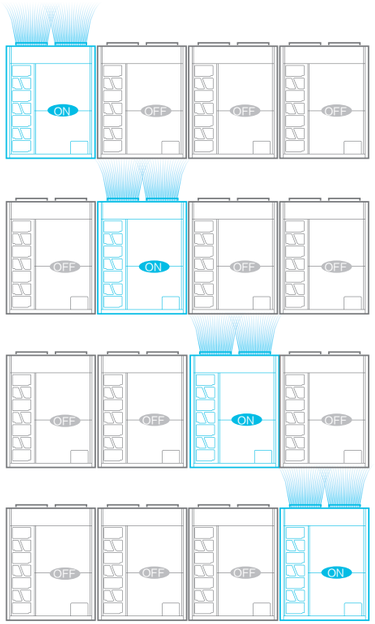


Rotational Operation

The double rotational operation technology can balance the operation time between different modules and between compressors of the single module, which prevents the overwork of individual unit and hence extends the overall operating life of the whole system.



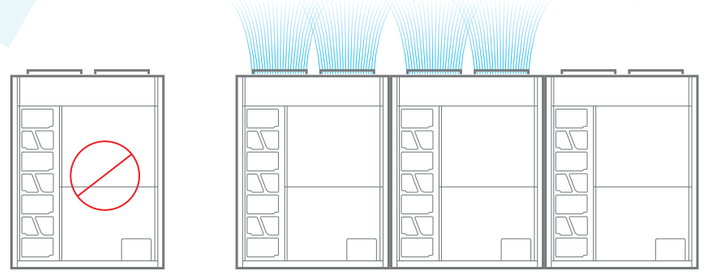
Compressors Rotation



Backup Operation

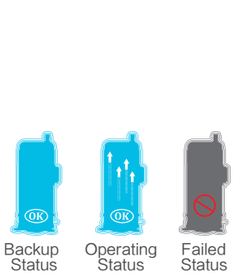
Module Backup

If one module in a combination system malfunctions, the others can keep working in emergency until service and repair.

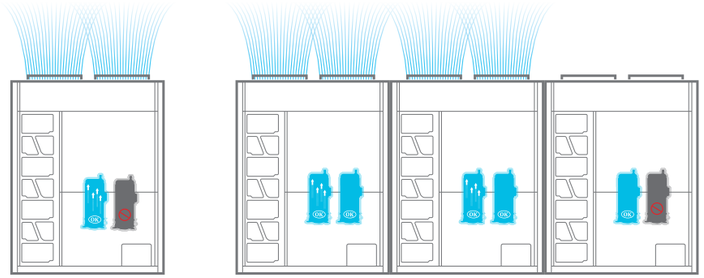


Compressor Backup

In the single module system equipped with two compressors, if one compressor malfunctions, the other one can provide emergency operation. In the combined modules system, if the compressor in one module gets wrong, the other modules can provide emergency operation. Thus a stable and continuous operation can be ensured.



Backup Status | Operating Status | Failed Status

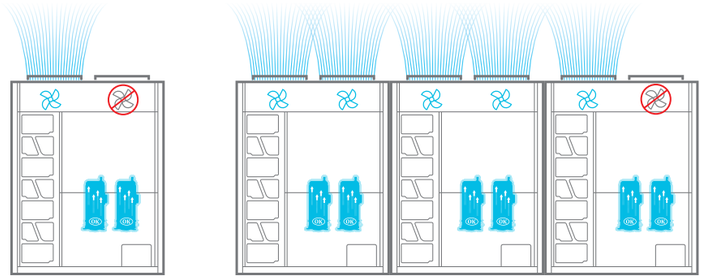


Compressor Backup | Outdoor Unit Backup

Fan Backup

For the module equipped with two fans, if one fan breaks down, the other one can keep working.

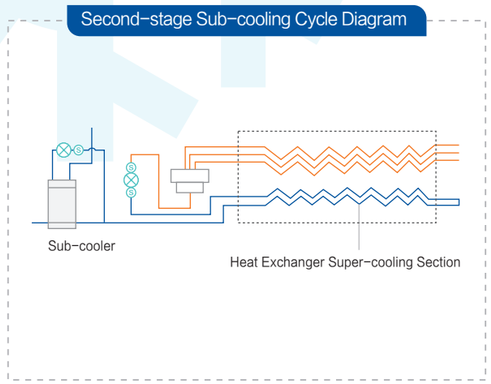
Operating Status | Failed Status

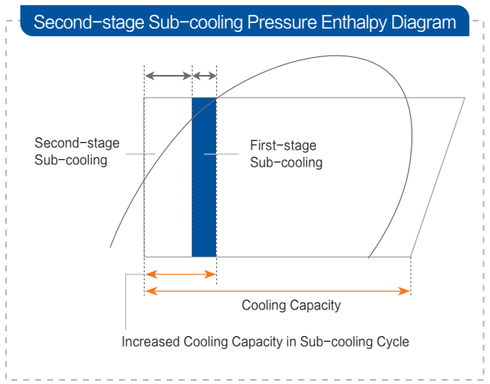


Single Module System | Combined Modules System

Second-stage Sub-cooling Technology

Compared with the conventional one, York VRF's 2-stage subcooling technology allows for higher subcooling temperature of the system up to 27℃, distinctly improving the cooling capacity.

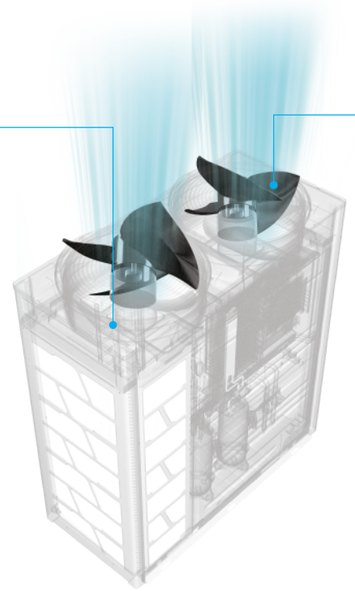




Fan-speed Control

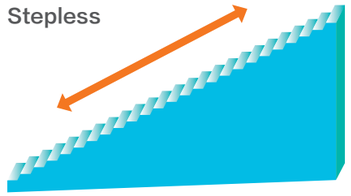
The DC inverter motor equipped in the outdoor unit can realize stepless fan-speed adjustment to ensure efficiency and stability. The optimized motor support structure helps to increase 10% air volume at the same speed while reducing the noise greatly.

Streamline Air Grille
Further reducing the pressure loss



Efficient Axial Fan
Reducing both the vibration and the pressure loss

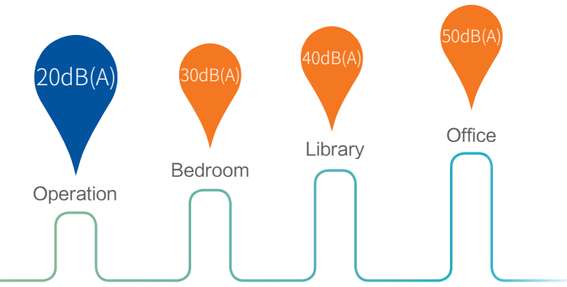
- The stability of discharge pressure and suction pressure of the compressor is assured.
- The stability of refrigerant allocation and the output capacity of indoor unit is assured.
- The quick and accurate response to the fluctuation of air-conditioning load is assured.



Low-noise

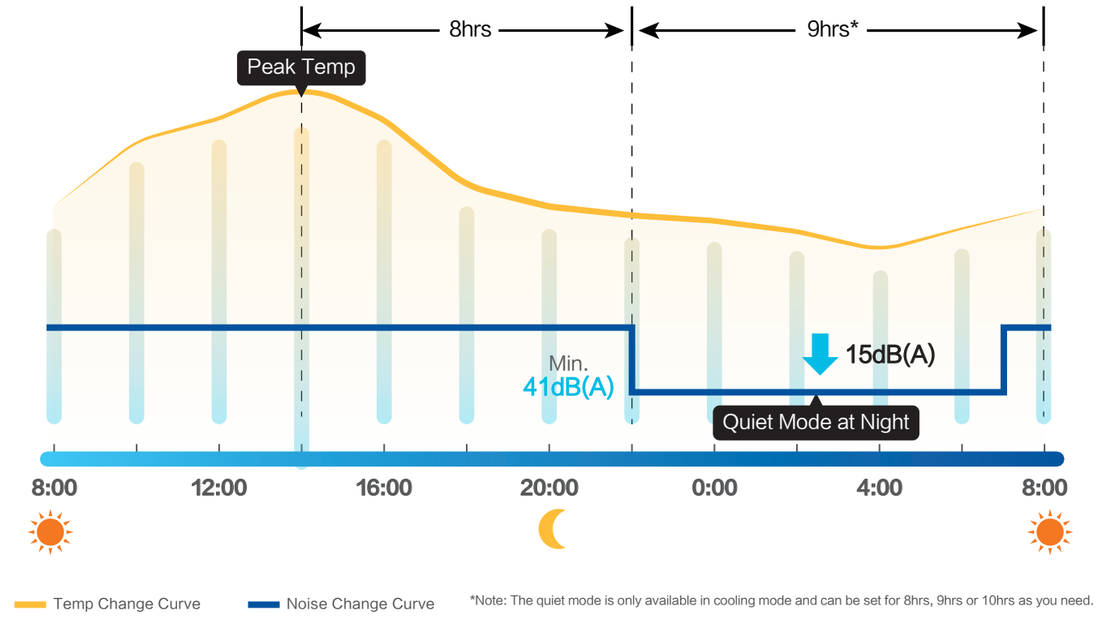
Low Noise for Indoor Unit

YORK Topflow series can provide quiet environment with sound pressure level as low as 20dB(A), which can be perfectly applied to library, auditorium or hospital room where sound level lower than 25dB(A) are required.



Quiet Mode for Outdoor Unit

It is commonly known that people are more sensitive to noise at night. To provide a more quiet environment, quiet mode of outdoor units can be set at night to reduce sound pressure level by up to 15dB(A).



*Note: The quiet mode is only available in cooling mode and can be set for 8hrs, 9hrs or 10hrs as you need.

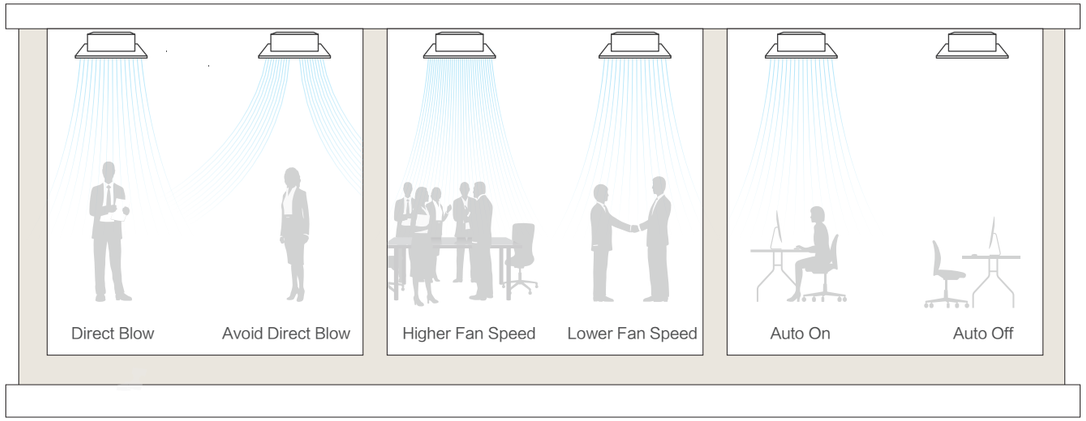
Smart Air Flow

Individual Louver Control

Four-Way cassette's louvers are capable of individual control. You can choose how you want your AC unit supplies air as you need or based on different applications and installation. Each louver has 7 angles ranging from 28° to 52° .

Motion Sensor (Optional)

Motion sensors can provide you with a more comfortable environment and more energy-efficient operation. With the sensor, it can automatically turn the indoor unit on or off when people enter or exit the room. It can also set the temperature and adjust the direction of airflow automatically by detecting the number and position of people in the room.



Flexible System Design

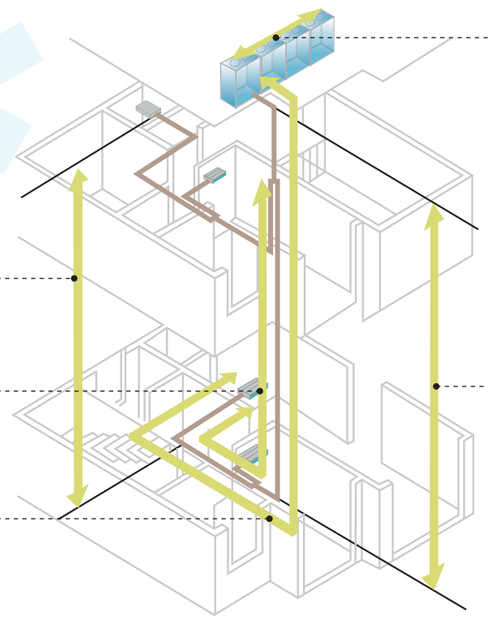
Long Piping Length

Installation becomes more flexible with extra long pipe. The height difference between IDUs and ODUs can be up to 90 meters*.

Maximum height difference of indoor units: 30m*

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Maximum equivalent piping length: 190m
Total length of pipes: 1000m



Maximum pipe length between outdoor units: 10m

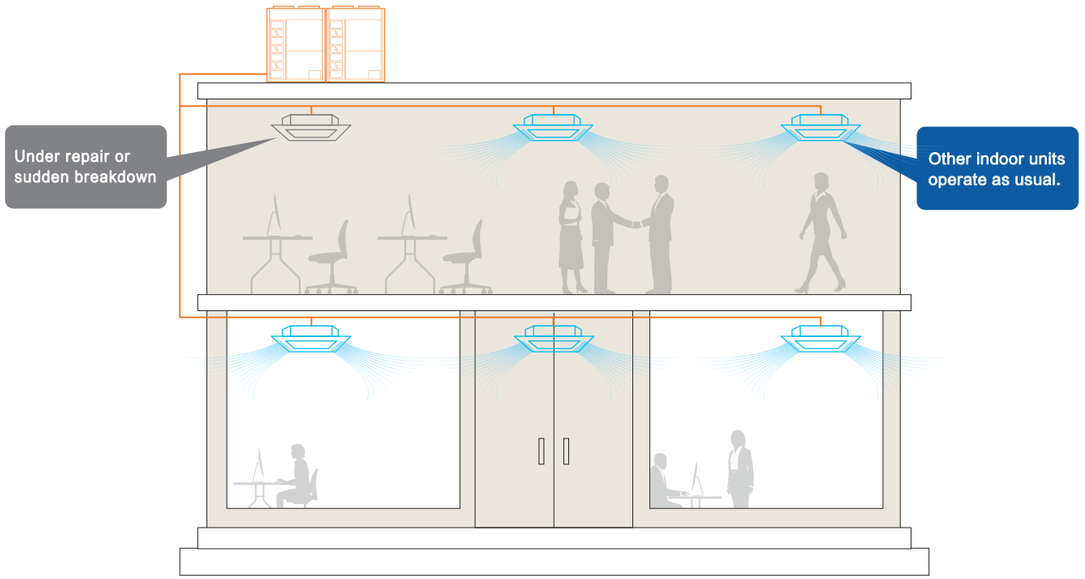
Maximum height difference between indoor and outdoor units:

when the outdoor unit is above: 50m (90m*)
when the outdoor unit is below: 40m (90m*)

*Note: For detailed information, please contact with YORK's technical staff.

Independent Maintenance of Indoor Units

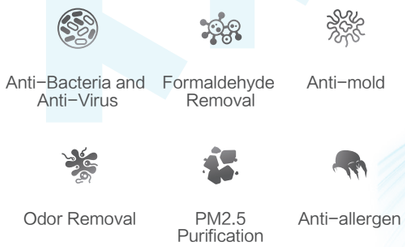
When an IDU breaks down and under repair, the other units can operate normally as usual, thus to maintain the whole system's continuous operation.

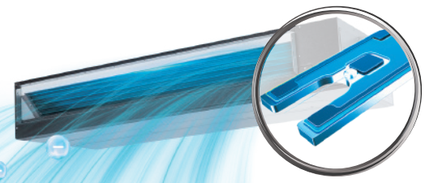


Clean and Fresh Air

IonPure

YORK VRF indoor unit equipped with the IonPure kit can release about 20 million pcs/cc negative ions carried through airflow to the entire room to purify the air.

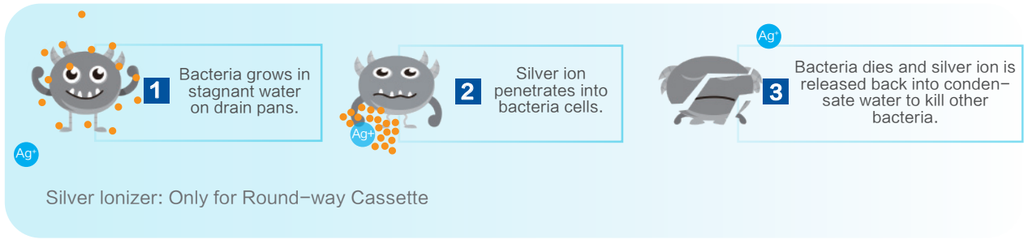




IonPure: Standard for Mini 4-way Cassette, Compact Ducted (AC/DC), High/Medium/Low ESP Ducted

Silver Ionizer (Optional)

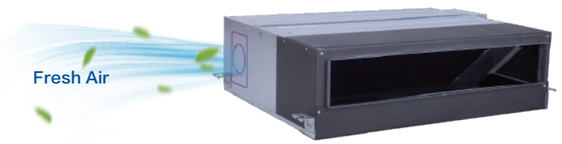
Silver ionizers can be optionally infused in indoor units to disinfect drain pans with stagnant condensate water.



Silver Ionizer: Only for Round-way Cassette

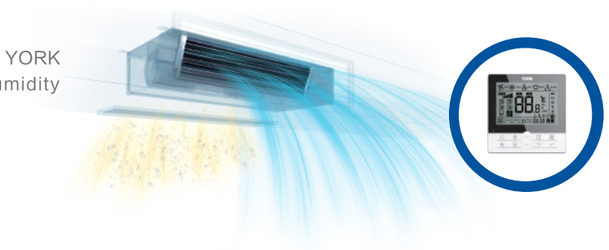
Fresh Air Intake

A fresh air duct opening in YORK VRF indoor units intakes 10% free fresh air directly from outdoor air, reducing the need of fresh air systems for medium or small spaces. Applicable to Four-Way cassette, Round-way cassette, mini Four-Way cassette, 1-way cassette, and AC/DC low height ceiling ducted.



Humidity Sensor (Optional)

In order to meet the requirement for indoor air quality, YORK VRF can realize auto dehumidification through humidity sensor with control range from 35% to 90%.



Convenient Management

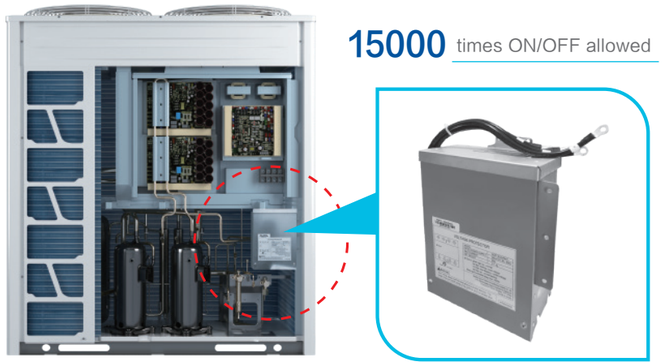
YORK Topflow series are equipped with a service window on the protection panel of electrical box to check the parameters.

Separated Mechanical and Electrical Compartment

YORK Topflow series has separated mechanical and electrical compartments covered with independent panels to provide convenience on installation and maintenance. Service Engineers can take the panels apart to check and maintain every details conveniently.

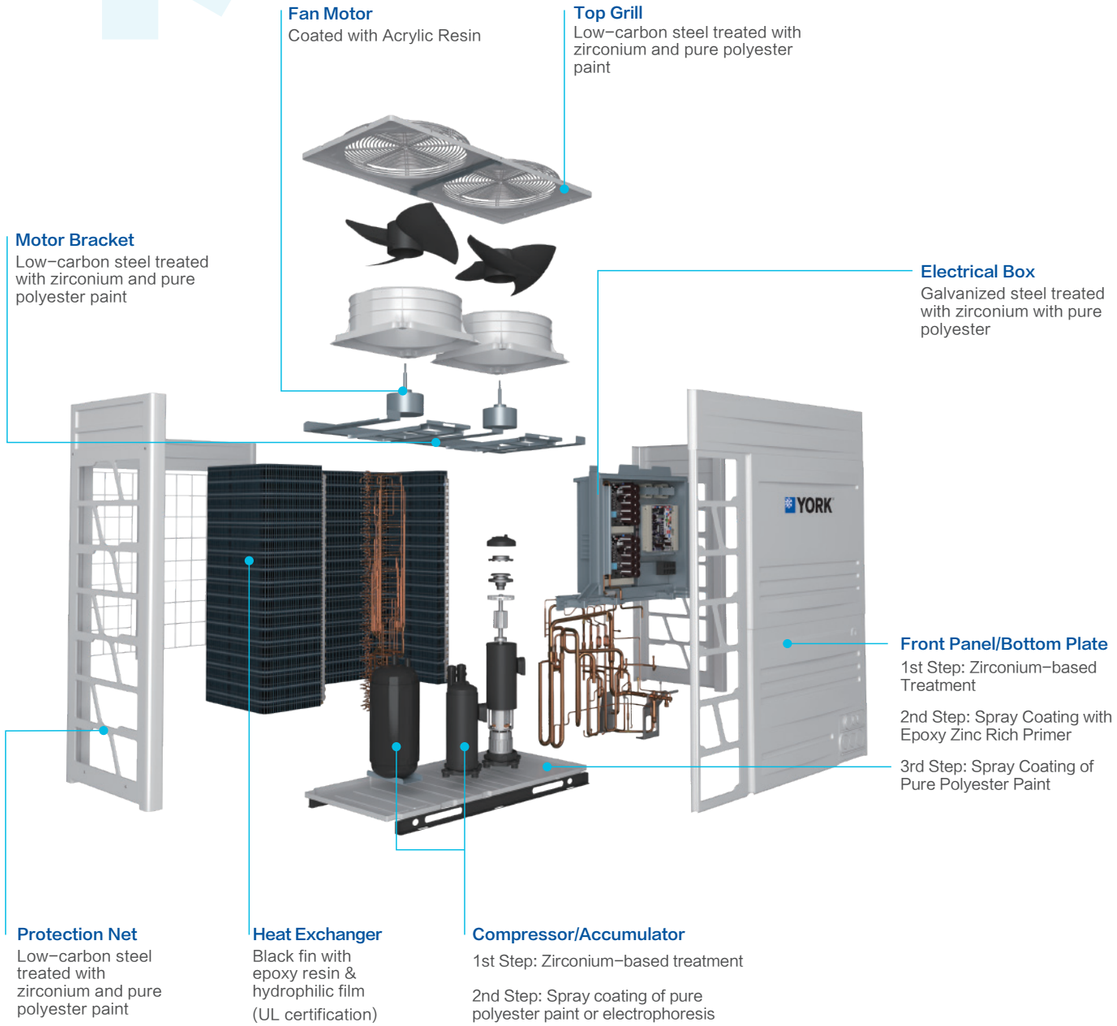
Voltage Protector (Optional)

Over-low or over-high voltage may do harm to electronic components. YORK Topflow series has reserved the space for assembling the voltage protector to prevent outdoor units from voltage spikes(can be installed before delivery or on site). The power supply of outdoor unit will be automatically cut off when the voltage becomes abnormal, and will be restored 30s after when it turns to normal. Meanwhile, the indicator light is also helpful for checking the phase sequence error or phase loss, making it more convenient for commission and maintenance.



Corrosion-proof Solution (Optional)

The anti-corrosion solution can be perfectly applied to seaside or chemical factory, providing ultimate comfort without sacrificing life span and lowering maintenance cost simultaneously. Besides the heat exchanger, components from top to toe are all protected with effective corrosion-proof solution.



Fan Motor
Coated with Acrylic Resin

Top Grill
Low-carbon steel treated with zirconium and pure polyester paint

Motor Bracket
Low-carbon steel treated with zirconium and pure polyester paint

Electrical Box
Galvanized steel treated with zirconium with pure polyester

Front Panel/Bottom Plate
1st Step: Zirconium-based Treatment

2nd Step: Spray Coating with Epoxy Zinc Rich Primer

3rd Step: Spray Coating of Pure Polyester Paint

Protection Net
Low-carbon steel treated with zirconium and pure polyester paint

Heat Exchanger
Black fin with epoxy resin & hydrophilic film
(UL certification)

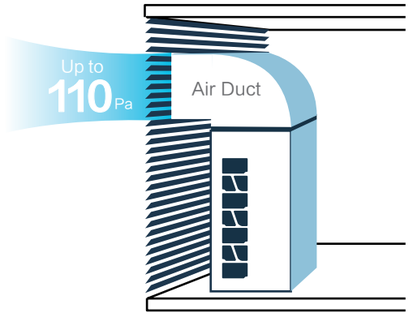
Compressor/Accumulator
1st Step: Zirconium-based treatment

2nd Step: Spray coating of pure polyester paint or electrophoresis

Extra-high External Static Pressure Design

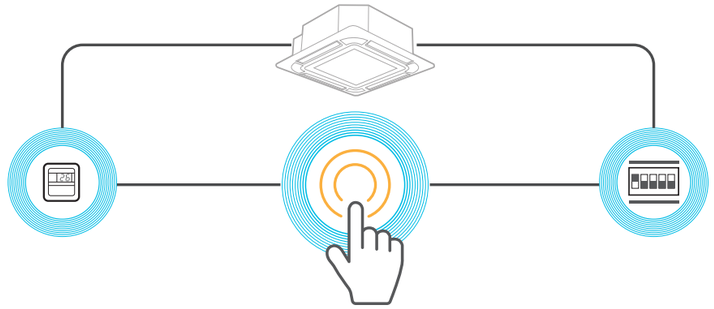
External static pressure is of great importance to duct connection length and air discharge. The maximum ESP of YORK Topflow series is now up to 110Pa, allowing for longer duct connection and better air discharge.

Note: The initial ESP setting is 80Pa and can be set to 110Pa from the PCB.



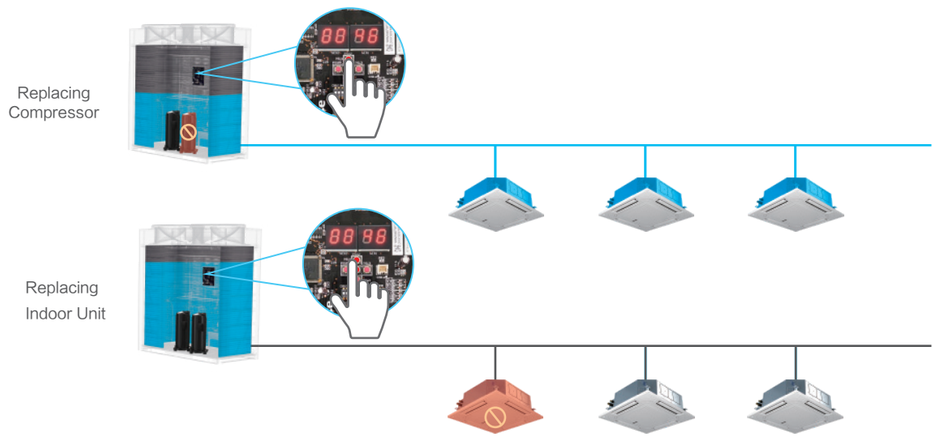
One-touch Test Run

Test run is essential in commissioning to ensure the VRF system works in a stable and safe way. To make test run as simple as possible, YORK Topflow series is capable to conduct test runs with merely a simple touch. It is available in both outdoor units and controllers.



One-touch Refrigerant Recycle

One-touch refrigerant recycle is also available in YORK Topflow series. With a simple press on the button of PCB, the refrigerant can be recycled immediately.



JVOH Series

Topflow			8HP	10HP	12HP	14HP	16HP	18HP
Model			JVOH080VPETCQ	JVOH100VPETCQ	JVOH120VPETCQ	JVOH140VPETCQ	JVOH160VPETCQ	JVOH180VPETCQ
Combination			JVOH080VPETCQ	JVOH100VPETCQ	JVOH120VPETCQ	JVOH140VPETCQ	JVOH160VPETCQ	JVOH180VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz					
Cooling Operation	Nominal Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
		Btu/h	76400	95500	114300	136500	153500	170600
	Power Consumption	kW	4.42	5.81	7.72	10.67	12.30	14.41
	EER	W/W	5.07	4.82	4.34	3.75	3.66	3.47
Heating Operation	Nominal Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
		Btu/h	76400	95500	114300	136500	153500	170600
	Power Consumption	kW	4.88	6.50	8.17	10.20	12.16	14.71
	COP	W/W	4.59	4.31	4.10	3.92	3.70	3.40
Sound Pressure Level※1		dB(A)	56	57	59	59	60	61
Fan	Condenser Fan Quantity	pcs	1	1	1	2	2	2
	Air Flow Rate	m³/min	183	183	183	200	200	200
Cabinet Color※2			Grayish White					
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780
	Width	mm	950	950	950	1210	1210	1210
	Depth	mm	750	750	750	750	750	750
Net Weight		kg	217	219	223	272	273	296
Compressor	Type	—	Scroll Comp					
	Quantity	pcs	1	1	1	1	1	1
Ref. Piping	Gas Pipe	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60	Φ28.60
	Liquid Pipe	mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70	Φ12.70	Φ15.88
Refrigerant Charge before Shipment		kg	5.3	5.3	6.2	8.0	8.0	9.6
Max. connected quantity of IDUs		pcs	13	16	19	23	26	29
Capacity Ratio		%	50~150					
Piping Design	Max. Total Piping Length	m	1000					
	Height Difference Between ODU and IDU (ODU is Higher)	m	50					
	Height Difference Between ODU and IDU (ODU is Lower)	m	40					
	Height Difference Between IDUs	m	30					
Operation Range※3	Cooling	DB	−5℃~52℃					
	Heating	WB	−25℃~−16.5℃					

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or −25℃~−20℃.

JVOH Series

Topflow			20HP	22HP	24HP	26HP	28HP
Model			JVOH200VPETCQ	JVOH220VPETCQ	JVOH240VPETCQ	JVOH260VPETCQ	JVOH280VPETCQ
Combination			JVOH200VPETCQ	JVOH220VPETCQ	JVOH240VPETCQ	JVOH260VPETCQ	JVOH280VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	56.0	61.5	68.0	72.5	80.0
		Btu/h	191100	209800	232000	247400	273000
	Power Consumption	kW	16.28	19.22	23.94	23.77	30.65
	EER	W/W	3.44	3.20	2.84	3.05	2.61
Heating Operation	Nominal Capacity	kW	56.0	61.5	65.0	69.0	73.0
		Btu/h	191100	209800	221800	235400	249100
	Power Consumption	kW	16.82	19.52	21.31	26.54	30.42
	COP	W/W	3.33	3.15	3.05	2.60	2.40
Sound Pressure Level※1		dB(A)	62	63	63	64	64
Fan	Condenser Fan Quantity	pcs	2	2	2	2	2
	Air Flow Rate	m³/min	267	296	296	350	350
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	1350	1350	1350	1600	1600
	Depth	mm	750	750	750	750	750
Net Weight		kg	316	363	365	391	392
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	1	2	2	2	2
Ref. Piping	Gas Pipe	mm	Φ28.60	Φ28.60	Φ28.60	Φ31.75	Φ31.75
	Liquid Pipe	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05
Refrigerant Charge before Shipment		kg	10.3	12.2	12.2	12.0	12.0
Max. connected quantity of IDUs		pcs	33	36	40	43	47
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	−5℃~52℃				
	Heating	WB	−25℃~−16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or −25℃~−20℃.

YORK Johnson Controls

JVOH Series

Topflow			30HP	32HP	34HP	36HP	38HP	40HP	42HP
Model			JVOH300VPETCQ	JVOH320VPETCQ	JVOH340VPETCQ	JVOH360VPETCQ	JVOH380VPETCQ	JVOH400VPETCQ	JVOH420VPETCQ
Combination			JVOH140VPETCQ JVOH160VPETCQ	JVOH160VPETCQ JVOH160VPETCQ	JVOH160VPETCQ JVOH180VPETCQ	JVOH180VPETCQ JVOH180VPETCQ	JVOH180VPETCQ JVOH200VPETCQ	JVOH200VPETCQ JVOH200VPETCQ	JVOH180VPETCQ JVOH240VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz						
Cooling Operation	Nominal Capacity	kW	85.0	90.0	95.0	100.0	106.0	112.0	118.0
		Btu/h	290000	308000	324000	342000	362000	382000	405000
	Power Consumption	kW	22.97	24.60	26.71	28.82	30.69	32.56	38.35
	EER	W/W	3.70	3.66	3.56	3.47	3.45	3.44	3.08
Heating Operation	Nominal Capacity	kW	85.0	90.0	95.0	100.0	106.0	112.0	118.0
		Btu/h	290000	307000	324100	341200	361700	382200	402600
	Power Consumption	kW	22.36	24.32	26.87	29.42	31.53	33.64	36.02
	COP	W/W	3.80	3.70	3.54	3.40	3.36	3.33	3.28
Sound Pressure Level※1		dB(A)	64	64	64	64	65	65	65
Fan	Condenser Fan Quantity	pcs	4	4	4	4	4	4	4
	Air Flow Rate	m³/min	400	400	400	400	467	534	496
Cabinet Color※2			Grayish White						
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780	1780
	Width	mm	1210+1210	1210+1210	1210+1210	1210+1210	1210+1350	1350+1350	1210+1350
	Depth	mm	750	750	750	750	750	750	750
Net Weight		kg	272+273	273+273	273+296	296+296	296+316	316+316	296+365
Compressor	Type	—	Scroll Comp						
	Quantity	pcs	2	2	2	2	2	2	3
Ref. Piping	Gas Pipe	mm	Φ31.75	Φ31.75	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Refrigerant Charge before Shipment		kg	8+8	8+8	8+9.6	9.6+9.6	9.6+10.3	10.3+10.3	9.6+12.2
Max. connected quantity of IDUs		pcs	49	52	55	59	62	64	64
Capacity Ratio		%	50~150						
Piping Design	Max. Total Piping Length	m	1000						
	Height Difference Between ODU and IDU — ODU is Higher	m	50						
	Height Difference Between ODU and IDU — ODU is Lower	m	40						
	Height Difference Between IDUs	m	30						
Operation Range※3	Cooling	DB	−5℃~52℃						
	Heating	WB	−25℃~−16.5℃						

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or −25℃~−20℃.

JVOH Series

Topflow			44HP	46HP	48HP	50HP	52HP	54HP	56HP
Model			JVOH440VPETCQ	JVOH460VPETCQ	JVOH480VPETCQ	JVOH500VPETCQ	JVOH520VPETCQ	JVOH540VPETCQ	JVOH560VPETCQ
Combination			JVOH200VPETCQ JVOH240VPETCQ	JVOH220VPETCQ JVOH240VPETCQ	JVOH240VPETCQ JVOH240VPETCQ	JVOH240VPETCQ JVOH260VPETCQ	JVOH240VPETCQ JVOH280VPETCQ	JVOH260VPETCQ JVOH280VPETCQ	JVOH280VPETCQ JVOH280VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz						
Cooling Operation	Nominal Capacity	kW	124.0	129.5	136.0	140.5	148.0	152.5	160.0
		Btu/h	425000	440000	465000	480000	505000	520000	545000
	Power Consumption	kW	40.22	43.16	47.88	47.71	54.59	54.42	61.30
	EER	W/W	3.08	3.00	2.84	2.94	2.71	2.80	2.61
Heating Operation	Nominal Capacity	kW	124.0	126.5	130.0	134.0	138.0	142.0	146.0
		Btu/h	412900	431600	443600	457200	470900	484500	498200
	Power Consumption	kW	38.13	40.83	42.62	47.85	51.73	56.96	60.84
	COP	W/W	3.25	3.10	3.05	2.80	2.67	2.49	2.40
Sound Pressure Level※1		dB(A)	66	66	66	67	67	67	67
Fan	Condenser Fan Quantity	pcs	4	4	4	4	4	4	4
	Air Flow Rate	m³/min	563	592	592	646	646	700	700
Cabinet Color※2			Grayish White						
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780	1780
	Width	mm	1350+1350	1350+1350	1350+1350	1350+1600	1350+1600	1600+1600	1600+1600
	Depth	mm	750	750	750	750	750	750	750
Net Weight		kg	316+365	363+365	365+365	365+391	365+392	391+392	392+392
Compressor	Type	—	Scroll Comp						
	Quantity	pcs	3	4	4	4	4	4	4
Ref. Piping	Gas Pipe	mm	Φ38.1	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3
	Liquid Pipe	mm	Φ19.05	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Refrigerant Charge before Shipment		kg	10.3+12.2	12.2+12.2	12.2+12.2	12.2+12.0	12.2+12.0	12.0+12.0	12.0+12.0
Max. connected quantity of IDUs		pcs	64	64	64	64	64	64	64
Capacity Ratio		%	50~150						
Piping Design	Max. Total Piping Length	m	1000						
	Height Difference Between ODU and IDU — ODU is Higher	m	50						
	Height Difference Between ODU and IDU — ODU is Lower	m	40						
	Height Difference Between IDUs	m	30						
Operation Range※3	Cooling	DB	−5℃~52℃						
	Heating	WB	−25℃~−16.5℃						

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or −25℃~−20℃.

JVOH Series

Topflow			58HP	60HP	62HP	64HP	66HP	68HP	70HP
Model			JVOH580VPETCQ	JVOH600VPETCQ	JVOH620VPETCQ	JVOH640VPETCQ	JVOH660VPETCQ	JVOH680VPETCQ	JVOH700VPETCQ
Combination			JVOH180VPETCQ JVOH180VPETCQ JVOH220VPETCQ	JVOH180VPETCQ JVOH180VPETCQ JVOH240VPETCQ	JVOH180VPETCQ JVOH200VPETCQ JVOH240VPETCQ	JVOH200VPETCQ JVOH200VPETCQ JVOH240VPETCQ	JVOH180VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH200VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH220VPETCQ JVOH240VPETCQ JVOH240VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz						
Cooling Operation	Nominal Capacity	kW	161.5	168.0	174.0	180.0	186.0	192.0	197.5
		Btu/h	550000	575000	595000	615000	635000	655000	675000
	Power Consumption	kW	48.04	52.76	54.63	56.50	62.29	64.16	67.10
	EER	W/W	3.36	3.18	3.19	3.19	2.99	2.99	2.94
Heating Operation	Nominal Capacity	kW	161.5	165.0	171.0	177.0	176.5	186.0	191.5
		Btu/h	551000	563000	583500	604000	705000	634700	653400
	Power Consumption	kW	48.94	50.73	52.84	54.95	57.33	59.44	62.14
	COP	W/W	3.30	3.25	3.24	3.22	3.08	3.13	3.08
Sound Pressure Level※1		dB(A)	67	67	67	67	67	67	68
Fan	Condenser Fan Quantity	pcs	6	6	6	6	6	6	6
	Air Flow Rate	m³/min	696	696	763	830	792	859	888
Cabinet Color※2			Grayish White						
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780	1780
	Width	mm	1210+1210+1350	1210+1210+1350	1210+1350+1350	1350+1350+1350	1210+1350+1350	1350+1350+1350	1350+1350+1350
	Depth	mm	750	750	750	750	750	750	750
Net Weight		kg	296+296+363	296+296+365	296+316+365	316+316+365	296+365+365	316+365+365	363+365+365
Compressor	Type	—	Scroll Comp						
	Quantity	pcs	4	4	4	4	5	5	6
Ref. Piping	Gas Pipe	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	Φ44.5	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ25.4	Φ25.4
Refrigerant Charge before Shipment		kg	9.6+9.6+12.2	9.6+9.6+12.2	9.6+10.3+12.2	10.3+10.3+12.2	9.6+12.2+12.2	10.3+12.2+12.2	12.2+12.2+12.2
Max. connected quantity of IDUs		pcs	64	64	64	64	64	64	64
Capacity Ratio		%	50~150						
Piping Design	Max. Total Piping Length	m	1000						
	Height Difference Between ODU and IDU — ODU is Higher	m	50						
	Height Difference Between ODU and IDU — ODU is Lower	m	40						
	Height Difference Between IDUs	m	30						
Operation Range※3	Cooling	DB	-5℃~52℃						
	Heating	WB	-25℃~-16.5℃						

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JVOH Series

Topflow			72HP	74HP	76HP	78HP	80HP	82HP	84HP
Model			JVOH720VPETCQ	JVOH740VPETCQ	JVOH760VPETCQ	JVOH780VPETCQ	JVOH800VPETCQ	JVOH820VPETCQ	JVOH840VPETCQ
Combination			JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH240VPETCQ JVOH240VPETCQ JVOH260VPETCQ	JVOH240VPETCQ JVOH260VPETCQ JVOH260VPETCQ	JVOH240VPETCQ JVOH260VPETCQ JVOH280VPETCQ	JVOH240VPETCQ JVOH280VPETCQ JVOH280VPETCQ	JVOH260VPETCQ JVOH280VPETCQ JVOH280VPETCQ	JVOH280VPETCQ JVOH280VPETCQ JVOH280VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz						
Cooling Operation	Nominal Capacity	kW	204.0	208.5	213.0	220.5	228.0	232.5	240.0
		Btu/h	695000	710000	725000	750000	780000	795000	820000
	Power Consumption	kW	71.82	71.65	71.48	78.36	85.24	85.07	91.95
	EER	W/W	2.84	2.91	2.98	2.81	2.67	2.73	2.61
Heating Operation	Nominal Capacity	kW	195.0	199.0	203.0	207.0	211.0	215.0	219.0
		Btu/h	665400	679000	692600	706300	720000	733600	747300
	Power Consumption	kW	63.93	69.16	74.39	78.27	82.15	87.38	91.26
	COP	W/W	3.05	2.88	2.73	2.64	2.57	2.46	2.40
Sound Pressure Level※1		dB(A)	68	68	68	68	68	69	69
Fan	Condenser Fan Quantity	pcs	6	6	6	6	6	6	6
	Air Flow Rate	m³/min	888	942	996	996	996	1050	1050
Cabinet Color※2			Grayish White						
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780	1780
	Width	mm	1350+1350+1350	1350+1350+1600	1350+1600+1600	1350+1600+1600	1350+1600+1600	1600+1600+1600	1600+1600+1600
	Depth	mm	750	750	750	750	750	750	750
Net Weight		kg	365+365+365	365+365+391	365+391+391	365+391+392	392+392+365	392+392+391	392+392+392
Compressor	Type	—	Scroll Comp						
	Quantity	pcs	6	6	6	6	6	6	6
Ref. Piping	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Refrigerant Charge before Shipment		kg	12.2+12.2+12.2	12.2+12.2+12.0	12.2+12.0+12.0	12.2+12.0+12.0	12.0+12.0+12.2	12.0+12.0+12.0	12.0+12.0+12.0
Max. connected quantity of IDUs		pcs	64	64	64	64	64	64	64
Capacity Ratio		%	50~150						
Piping Design	Max. Total Piping Length	m	1000						
	Height Difference Between ODU and IDU — ODU is Higher	m	50						
	Height Difference Between ODU and IDU — ODU is Lower	m	40						
	Height Difference Between IDUs	m	30						
Operation Range※3	Cooling	DB	-5℃~52℃						
	Heating	WB	-25℃~-16.5℃						

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JVOH Series

Topflow			86HP	88HP	90HP	92HP	94HP	96HP	98HP
Model			JVOH860VPETCQ	JVOH880VPETCQ	JVOH900VPETCQ	JVOH920VPETCQ	JVOH940VPETCQ	JVOH960VPETCQ	JVOH980VPETCQ
Combination			JVOH200VPETCQ JVOH200VPETCQ JVOH220VPETCQ JVOH240VPETCQ	JVOH200VPETCQ JVOH200VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH200VPETCQ JVOH220VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH200VPETCQ JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH220VPETCQ JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ	JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ JVOH260VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz						
Cooling Operation	Nominal Capacity	kW	241.5	248.0	253.5	260.0	265.5	272.0	276.5
		Btu/h	824000	845000	865000	885000	905000	930000	945000
	Power Consumption	kW	75.72	80.44	83.38	88.10	91.04	95.76	95.59
	EER	W/W	3.19	3.08	3.04	2.95	2.92	2.84	2.89
Heating Operation	Nominal Capacity	kW	238.5	242.0	247.5	251.0	256.5	260.0	264.0
		Btu/h	813800.0	825800	844500	856500	875200	887200	900800
	Power Consumption	kW	74.47	76.26	78.96	80.75	83.45	85.24	90.47
	COP	W/W	3.20	3.17	3.13	3.11	3.07	3.05	2.92
Sound Pressure Level※1		dB(A)	69	69	69	69	69	69	69
Fan	Condenser Fan Quantity	pcs	8	8	8	8	8	8	8
	Air Flow Rate	m³/min	1126	1126	1155	1155	1184	1184	1238
Cabinet Color※2			Grayish White						
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780	1780
	Width	mm	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1600
	Depth	mm	750	750	750	750	750	750	750
Net Weight		kg	316+316+363+365	316+316+365+365	316+363+365+365	316+365+365+365	363+365+365+365	365+365+365+365	365+365+365+391
Compressor	Type	—	Scroll Comp						
	Quantity	pcs	6	6	7	7	8	8	8
Ref. Piping	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Refrigerant Charge before Shipment		kg	10.3+10.3+12.2+12.2	10.3+10.3+12.2+12.2	10.3+12.2+12.2+12.2	10.3+12.2+12.2+12.2	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.0
Max. connected quantity of IDUs		pcs	64	64	64	64	64	64	64
Capacity Ratio		%	50~150						
Piping Design	Max. Total Piping Length	m	1000						
	Height Difference Between ODU and IDU: ODU is Higher	m	50						
	Height Difference Between ODU and IDU: ODU is Lower	m	40						
	Height Difference Between IDUs	m	30						
Operation Range※3	Cooling	DB	-5℃~52℃						
	Heating	WB	-25℃~-16.5℃						

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JVOH Series

Topflow			100HP	102HP	104HP	106HP	108HP	110HP	112HP
Model			JVOH1000VPETCQ	JVOH1020VPETCQ	JVOH1040VPETCQ	JVOH1060VPETCQ	JVOH1080VPETCQ	JVOH1100VPETCQ	JVOH1120VPETCQ
Combination			JVOH240VPETCQ JVOH240VPETCQ JVOH240VPETCQ JVOH280VPETCQ	JVOH240VPETCQ JVOH240VPETCQ JVOH260VPETCQ JVOH280VPETCQ	JVOH240VPETCQ JVOH240VPETCQ JVOH280VPETCQ JVOH280VPETCQ	JVOH240VPETCQ JVOH260VPETCQ JVOH280VPETCQ JVOH280VPETCQ	JVOH240VPETCQ JVOH280VPETCQ JVOH280VPETCQ JVOH280VPETCQ	JVOH260VPETCQ JVOH280VPETCQ JVOH280VPETCQ JVOH280VPETCQ	JVOH280VPETCQ JVOH280VPETCQ JVOH280VPETCQ JVOH280VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz						
Cooling Operation	Nominal Capacity	kW	284.0	288.5	296.0	300.5	308.0	312.5	320.0
		Btu/h	970000	985000	1010000	1025000	1050000	1065000	1090000
	Power Consumption	kW	102.47	102.30	109.18	109.01	115.89	115.72	122.60
	EER	W/W	2.77	2.82	2.71	2.76	2.66	2.70	2.61
Heating Operation	Nominal Capacity	kW	264.0	272.0	276.0	280.0	284.0	288.0	292.0
		Btu/h	914500	928100	941800	955400	969100	982700	996400
	Power Consumption	kW	94.35	99.58	103.46	108.69	112.57	117.80	121.68
	COP	W/W	2.80	2.73	2.67	2.58	2.52	2.44	2.40
Sound Pressure Level※1		dB(A)	70	70	70	70	70	70	70
Fan	Condenser Fan Quantity	pcs	8	8	8	8	8	8	8
	Air Flow Rate	m³/min	1238	1292	1292	1346	1346	1400	1400
Cabinet Color※2			Grayish White						
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780	1780	1780
	Width	mm	1350+1350+1350+1600	1350+1350+1600+1600	1350+1350+1600+1600	1350+1600+1600+1600	1350+1600+1600+1600	1600+1600+1600+1600	1600+1600+1600+1600
	Depth	mm	750	750	750	750	750	750	750
Net Weight		kg	365+365+365+392	365+365+391+392	365+365+392+392	365+391+392+392	365+392+392+392	391+392+392+392	392+392+392+392
Compressor	Type	—	Scroll Comp						
	Quantity	pcs	8	8	8	8	8	8	8
Ref. Piping	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Refrigerant Charge before Shipment		kg	12.2+12.2+12.2+12.0	12.2+12.2+12.0+12.0	12.2+12.2+12.0+12.0	12.2+12.0+12.0+12.0	12.2+12.0+12.0+12.0	12.0+12.0+12.0+12.0	12.0+12.0+12.0+12.0
Max. connected quantity of IDUs		pcs	64	64	64	64	64	64	64
Capacity Ratio		%	50~150						
Piping Design	Max. Total Piping Length	m	1000						
	Height Difference Between ODU and IDU: ODU is Higher	m	50						
	Height Difference Between ODU and IDU: ODU is Lower	m	40						
	Height Difference Between IDUs	m	30						
Operation Range※3	Cooling	DB	-5℃~52℃						
	Heating	WB	-25℃~-16.5℃						

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

YORK Johnson Controls

JTOH Series

Topflow			8HP	10HP	12HP
Model			JTOH080VPETCQ	JTOH100VPETCQ	JTOH120VPETCQ
Combination			JTOH080VPETCQ	JTOH100VPETCQ	JTOH120VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz		
Cooling Operation	Nominal Capacity	kW	22.4	28.0	33.5
		Btu/h	76400	95500	114300
	Power Consumption	kW	5.21	7.00	8.65
	EER	W/W	4.30	4.00	3.87
Heating Operation	Nominal Capacity	kW	25.0	31.5	37.5
		Btu/h	85300	107000	128000
	Power Consumption	kW	5.77	7.59	9.21
	COP	W/W	4.33	4.15	4.07
Sound Pressure Level※1		dB(A)	59	60	62
Fan	Condenser Fan Quantity	pcs	1	1	1
	Air Flow Rate	m³/min	183	183	183
Cabinet Color※2			Grayish White		
Outer Dimensions	Height	mm	1780	1780	1780
	Width	mm	950	950	950
	Depth	mm	750	750	750
Net Weight		kg	224	244	245
Compressor	Type	—	Scroll Comp		
	Quantity	pcs	1	1	1
Ref. Piping	Gas Pipe	mm	Φ19.05	Φ22.20	Φ25.40
	Liquid Pipe	mm	Φ9.53	Φ9.53	Φ12.70
Refrigerant Charge before Shipment		kg	7.4	8.6	9.5
Max. connected quantity of IDUs		pcs	13	16	19
Capacity Ratio		%	50~150		
Piping Design	Max. Total Piping Length	m	1000		
	Height Difference Between ODU and IDU — ODU is Higher	m	50		
	Height Difference Between ODU and IDU — ODU is Lower	m	40		
	Height Difference Between IDUs	m	30		
Operation Range※3	Cooling	DB	-5℃~52℃		
	Heating	WB	-25℃~-16.5℃		

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JTOH Series

Topflow			14HP	16HP	18HP	20HP
Model			JTOH140VPETCQ	JTOH160VPETCQ	JTOH180VPETCQ	JTOH200VPETCQ
Combination			JTOH140VPETCQ	JTOH160VPETCQ	JTOH180VPETCQ	JTOH200VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz			
Cooling Operation	Nominal Capacity	kW	40.0	45.0	50.0	56.0
		Btu/h	136500	153500	170600	191100
	Power Consumption	kW	10.53	12.50	15.63	17.90
	EER	W/W	3.80	3.60	3.20	3.13
Heating Operation	Nominal Capacity	kW	45.0	50.0	56.0	63.0
		Btu/h	154000	170000	192000	214000
	Power Consumption	kW	11.72	13.7	16.97	19.87
	COP	W/W	3.84	3.65	3.30	3.17
Sound Pressure Level※1		dB(A)	62	62	62	63
Fan	Condenser Fan Quantity	pcs	2	2	2	2
	Air Flow Rate	m³/min	200	200	200	267
Cabinet Color※2			Grayish White			
Outer Dimensions	Height	mm	1780	1780	1780	1780
	Width	mm	1210	1210	1210	1350
	Depth	mm	750	750	750	750
Net Weight		kg	297	298	347	361
Compressor	Type	—	Scroll Comp			
	Quantity	pcs	1	1	2	2
Ref. Piping	Gas Pipe	mm	Φ25.40	Φ28.60	Φ28.60	Φ28.60
	Liquid Pipe	mm	Φ12.70	Φ12.70	Φ15.88	Φ15.88
Refrigerant Charge before Shipment		kg	12.0	12.0	13.2	14.3
Max. connected quantity of IDUs		pcs	23	26	29	33
Capacity Ratio		%	50~150			
Piping Design	Max. Total Piping Length	m	1000			
	Height Difference Between ODU and IDU — ODU is Higher	m	50			
	Height Difference Between ODU and IDU — ODU is Lower	m	40			
	Height Difference Between IDUs	m	30			
Operation Range※3	Cooling	DB	-5℃~52℃			
	Heating	WB	-25℃~-16.5℃			

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
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JTOH Series

Topflow			22HP	24HP	26HP	28HP	30HP
Model			JTOH220VPETCQ	JTOH240VPETCQ	JTOH260VPETCQ	JTOH280VPETCQ	JTOH300VPETCQ
Combination			JTOH100VPETCQ JTOH120VPETCQ	JTOH120VPETCQ JTOH120VPETCQ	JTOH120VPETCQ JTOH140VPETCQ	JTOH140VPETCQ JTOH140VPETCQ	JTOH140VPETCQ JTOH160VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	61.5	67.0	73.5	80.0	85.0
		Btu/h	209800	228600	250800	273000	290000
	Power Consumption	kW	15.65	17.30	19.18	21.06	23.03
	EER	W/W	3.93	3.87	3.83	3.80	3.69
Heating Operation	Nominal Capacity	kW	69.0	75.0	82.5	90.0	95.0
		Btu/h	236000	256000	282000	308000	324000
	Power Consumption	kW	16.8	18.42	20.93	23.44	25.42
	COP	W/W	4.11	4.07	3.94	3.84	3.74
Sound Pressure Level※1		dB(A)	64	65	65	65	65
Fan	Condenser Fan Quantity	pcs	2	2	3	4	4
	Air Flow Rate	m³/min	366	366	383	400	400
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	1900	1900	2160	2420	2420
	Depth	mm	750	750	750	750	750
Net Weight		kg	489	490	542	594	595
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	2	2	2	2	2
Ref. Piping	Gas Pipe	mm	Φ28.60	Φ28.60	Φ31.75	Φ31.75	Φ31.75
	Liquid Pipe	mm	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ19.05
Refrigerant Charge before Shipment		kg	18.1	19.0	21.5	24.0	24.0
Max. connected quantity of IDUs		pcs	35	38	42	46	49
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	-5℃~52℃				
	Heating	WB	-25℃~-16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JTOH Series

Topflow			32HP	34HP	36HP	38HP	40HP
Model			JTOH320VPETCQ	JTOH340VPETCQ	JTOH360VPETCQ	JTOH380VPETCQ	JTOH400VPETCQ
Combination			JTOH160VPETCQ JTOH160VPETCQ	JTOH160VPETCQ JTOH180VPETCQ	JTOH180VPETCQ JTOH180VPETCQ	JTOH180VPETCQ JTOH200VPETCQ	JTOH200VPETCQ JTOH200VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	90.0	95.0	100.0	106.0	112.0
		Btu/h	307100	324100	341200	361700	382100
	Power Consumption	kW	25.00	28.13	31.26	33.53	35.80
	EER	W/W	3.60	3.38	3.20	3.16	3.13
Heating Operation	Nominal Capacity	kW	100.0	106.0	112.0	119.0	126.0
		Btu/h	342000	362000	382000	406000	430000
	Power Consumption	kW	27.4	30.67	33.94	36.84	39.74
	COP	W/W	3.65	3.46	3.30	3.23	3.17
Sound Pressure Level※1		dB(A)	65	65	65	66	66
Fan	Condenser Fan Quantity	pcs	4	4	4	4	4
	Air Flow Rate	m³/min	400	400	400	467	534
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	2420	2420	2420	2560	2700
	Depth	mm	750	750	750	750	750
Net Weight		kg	596	645	694	708	722
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	2	3	4	4	4
Ref. Piping	Gas Pipe	mm	Φ31.75	Φ38.1	Φ38.1	Φ38.1	Φ38.1
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Refrigerant Charge before Shipment		kg	24.0	25.2	26.4	27.5	28.6
Max. connected quantity of IDUs		pcs	52	55	58	62	64
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	-5℃~52℃				
	Heating	WB	-25℃~-16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JTOH Series

Topflow			42HP	44HP	46HP	48HP	50HP
Model			JTOH420VPETCQ	JTOH440VPETCQ	JTOH460VPETCQ	JTOH480VPETCQ	JTOH500VPETCQ
Combination			JTOH140VPETCQ JTOH140VPETCQ JTOH140VPETCQ	JTOH140VPETCQ JTOH140VPETCQ JTOH160VPETCQ	JTOH140VPETCQ JTOH160VPETCQ JTOH160VPETCQ	JTOH160VPETCQ JTOH160VPETCQ JTOH160VPETCQ	JTOH160VPETCQ JTOH160VPETCQ JTOH180VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	120.0	125.0	130.0	135.0	140.0
		Btu/h	409400	426500	443600	460600	477700
	Power Consumption	kW	31.59	33.56	35.53	37.50	40.63
	EER	W/W	3.80	3.72	3.66	3.60	3.45
Heating Operation	Nominal Capacity	kW	135.0	140.0	145.0	150.0	156.0
		Btu/h	460000	478000	494000	512000	532000
	Power Consumption	kW	35.16	37.14	39.12	41.1	44.37
	COP	W/W	3.84	3.77	3.71	3.65	3.52
Sound Pressure Level※1		dB(A)	67	67	67	67	67
Fan	Condenser Fan Quantity	pcs	6	6	6	6	6
	Air Flow Rate	m³/min	600	600	600	600	600
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	3630	3630	3630	3630	3630
	Depth	mm	750	750	750	750	750
Net Weight		kg	891	892	893	894	943
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	3	3	3	3	4
Ref. Piping	Gas Pipe	mm	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ22.2
Refrigerant Charge before Shipment		kg	36.0	36.0	36.0	36.0	37.2
Max. connected quantity of IDUs		pcs	64	64	64	64	64
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	-5℃~52℃				
	Heating	WB	-25℃~-16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter
Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JTOH Series

Topflow			52HP	54HP	56HP	58HP	60HP
Model			JTOH520VPETCQ	JTOH540VPETCQ	JTOH560VPETCQ	JTOH580VPETCQ	JTOH600VPETCQ
Combination			JTOH160VPETCQ JTOH180VPETCQ JTOH180VPETCQ	JTOH180VPETCQ JTOH180VPETCQ JTOH180VPETCQ	JTOH180VPETCQ JTOH180VPETCQ JTOH200VPETCQ	JTOH180VPETCQ JTOH200VPETCQ JTOH200VPETCQ	JTOH200VPETCQ JTOH200VPETCQ JTOH200VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	145.0	150.0	156.0	162.0	168.0
		Btu/h	494700	511800	532300	552700	573200
	Power Consumption	kW	43.76	46.89	49.16	51.43	53.70
	EER	W/W	3.31	3.20	3.17	3.15	3.13
Heating Operation	Nominal Capacity	kW	162.0	168.0	175.0	182.0	189.0
		Btu/h	552000	574000	598000	620000	644000
	Power Consumption	kW	47.64	50.91	53.81	56.71	59.61
	COP	W/W	3.40	3.30	3.25	3.21	3.17
Sound Pressure Level※1		dB(A)	67	67	67	67	68
Fan	Condenser Fan Quantity	pcs	6	6	6	6	6
	Air Flow Rate	m³/min	600	600	667	734	801
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	3630	3630	3770	3910	4050
	Depth	mm	750	750	750	750	750
Net Weight		kg	992	1041	1055	1069	1083
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	5	6	6	6	6
Ref. Piping	Gas Pipe	mm	Φ41.3	Φ41.3	Φ41.3	Φ44.5	Φ44.5
	Liquid Pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Refrigerant Charge before Shipment		kg	38.4	39.6	40.7	41.8	42.9
Max. connected quantity of IDUs		pcs	64	64	64	64	64
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	-5℃~52℃				
	Heating	WB	-25℃~-16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter
Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JTOH Series

Topflow			62HP	64HP	66HP	68HP	70HP
Model			JTOH620VPETCQ	JTOH640VPETCQ	JTOH660VPETCQ	JTOH680VPETCQ	JTOH700VPETCQ
Combination			JTOH140VPETCQ JTOH160VPETCQ JTOH160VPETCQ JTOH160VPETCQ	JTOH160VPETCQ JTOH160VPETCQ JTOH160VPETCQ JTOH160VPETCQ	JTOH160VPETCQ JTOH160VPETCQ JTOH160VPETCQ JTOH180VPETCQ	JTOH160VPETCQ JTOH160VPETCQ JTOH180VPETCQ JTOH180VPETCQ	JTOH160VPETCQ JTOH180VPETCQ JTOH180VPETCQ JTOH180VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	175.0	180.0	185.0	190.0	195.0
		Btu/h	597100	614200	631200	648300	665300
	Power Consumption	kW	48.03	50.00	53.13	56.26	59.39
	EER	W/W	3.64	3.60	3.48	3.38	3.28
Heating Operation	Nominal Capacity	kW	195.0	200.0	206.0	212.0	218.0
		Btu/h	666000	682000	632000/702000	724000	744000
	Power Consumption	kW	52.82	54.8	58.07	61.34	64.61
	COP	W/W	3.69	3.65	3.55	3.46	3.37
Sound Pressure Level※1		dB(A)	68	68	68	68	68
Fan	Condenser Fan Quantity	pcs	8	8	8	8	8
	Air Flow Rate	m³/min	800	800	800	800	800
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	4840	4840	4840	4840	4840
	Depth	mm	750	750	750	750	750
Net Weight		kg	1191	1192	1241	1290	1339
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	4	4	5	6	7
Ref. Piping	Gas Pipe	mm	Φ44.5	Φ44.5	Φ44.5	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ25.4	Φ25.4
Refrigerant Charge before Shipment		kg	48.0	48.0	49.2	50.4	51.6
Max. connected quantity of IDUs		pcs	64	64	64	64	64
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	-5℃~52℃				
	Heating	WB	-25℃~-16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

JTOH Series

Topflow			72HP	74HP	76HP	78HP	80HP
Model			JTOH720VPETCQ	JTOH740VPETCQ	JTOH760VPETCQ	JTOH780VPETCQ	JTOH800VPETCQ
Combination			JTOH180VPETCQ JTOH180VPETCQ JTOH180VPETCQ JTOH180VPETCQ	JTOH180VPETCQ JTOH180VPETCQ JTOH180VPETCQ JTOH200VPETCQ	JTOH180VPETCQ JTOH180VPETCQ JTOH200VPETCQ JTOH200VPETCQ	JTOH180VPETCQ JTOH200VPETCQ JTOH200VPETCQ JTOH200VPETCQ	JTOH200VPETCQ JTOH200VPETCQ JTOH200VPETCQ JTOH200VPETCQ
Power Supply			AC3Φ, 380~415V/ 50/60Hz				
Cooling Operation	Nominal Capacity	kW	200.0	206.0	212.0	218.0	224.0
		Btu/h	682400	702900	723300	743800	764300
	Power Consumption	kW	62.52	64.79	67.06	69.33	71.60
	EER	W/W	3.20	3.18	3.16	3.14	3.13
Heating Operation	Nominal Capacity	kW	224.0	231.0	238.0	245.0	252.0
		Btu/h	764000	788000	812000	836000	860000
	Power Consumption	kW	67.88	70.78	73.68	76.58	79.48
	COP	W/W	3.30	3.26	3.23	3.20	3.17
Sound Pressure Level※1		dB(A)	68	68	69	69	69
Fan	Condenser Fan Quantity	pcs	8	8	8	8	8
	Air Flow Rate	m³/min	800	867	934	1001	1068
Cabinet Color※2			Grayish White				
Outer Dimensions	Height	mm	1780	1780	1780	1780	1780
	Width	mm	4840	4980	5120	5260	5400
	Depth	mm	750	750	750	750	750
Net Weight		kg	1388	1402	1416	1430	1444
Compressor	Type	—	Scroll Comp				
	Quantity	pcs	8	8	8	8	8
Ref. Piping	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Refrigerant Charge before Shipment		kg	52.8	53.9	55.0	56.1	57.2
Max. connected quantity of IDUs		pcs	64	64	64	64	64
Capacity Ratio		%	50~150				
Piping Design	Max. Total Piping Length	m	1000				
	Height Difference Between ODU and IDU (ODU is Higher)	m	50				
	Height Difference Between ODU and IDU (ODU is Lower)	m	40				
	Height Difference Between IDUs	m	30				
Operation Range※3	Cooling	DB	-5℃~52℃				
	Heating	WB	-25℃~-16.5℃				

Notes:

Cooling Operation Condition:
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

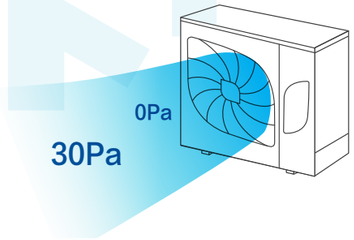
Heating Operation Condition:
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃ or -25℃~-20℃.

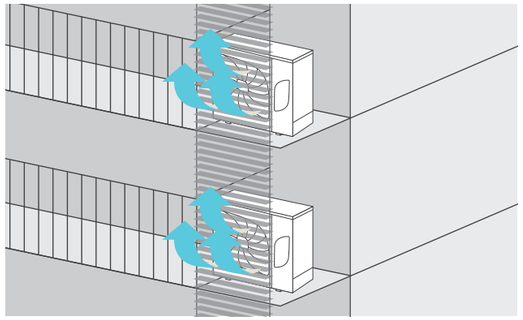
Sideflow

High External Pressure of Outdoor Unit

High external static pressure up to 30Pa ensures that the outdoor unit runs with a good ventilating condition.

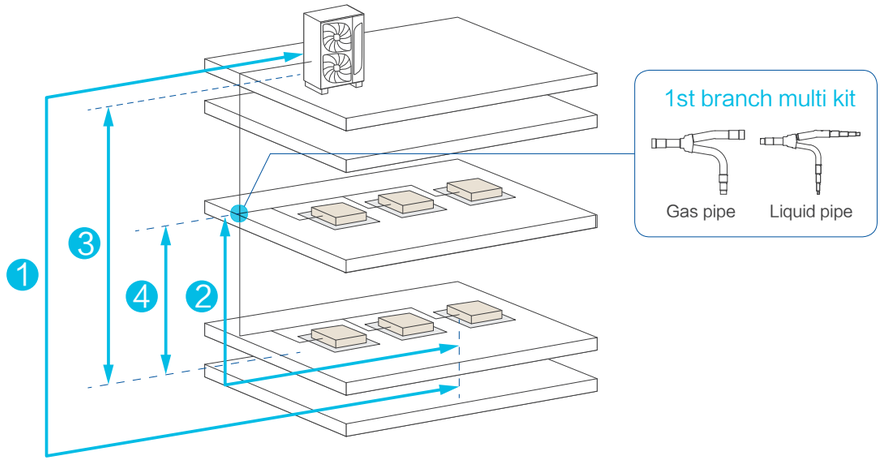


*Note: The initial ESP setting is 0Pa and can be set to 30Pa from the PCB.



Piping Flexibiity

Longer and more flexible piping helps overcoming various piping obstacles.



Maximum piping length

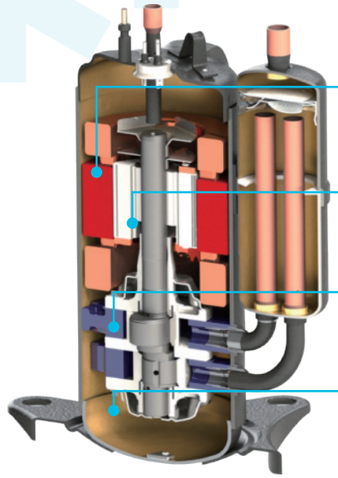
	3HP	4HP	5HP	6HP	7HP	8HP	10HP	12HP
Total piping length	30m	40m	70m	70m	120m	250m	250m	250m
❶ Between outdoor unit and farthest indoor unit	25m	25m	60m	60m	75m	80m	100m	100m
❷ Between 1st branch multi kit and farthest indoor unit	20m	20m	30m	30m	30m	40m	40m	40m

Maximum level difference

		3HP	4HP	5HP	6HP	7HP	8HP	10HP	12HP
❸ Between outdoor unit and indoor units	ODU above IDU	20m	20m	30m	30m	30m	50m	50m	50m
	IDU above ODU	20m	20m	20m	20m	30m	40m	40m	40m
❹ Between indoor units		3.5m	3.5m	10m	10m	10m	15m	15m	15m

High-efficiency DC Inverter Compressor

High-efficiency DC inverter twin rotary compressor is featured with unique dual-pressure chamber design, effectively reducing vibration and noise and improving the compressor performance especially under low-speed operation. Moreover, it has a small lubricating oil injection volume, stable oil return, and a gas-liquid separator, which makes the whole system more reliable.



❶ High-efficiency motor
Optimize the motor design to improve compressor performance.

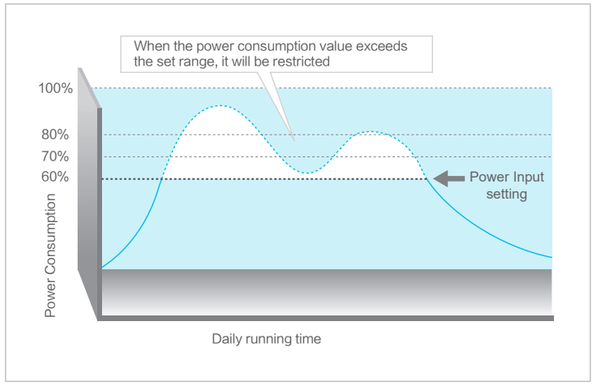
❷ Optimized rotor design
Lower the gravity center of the compressor to reduce vibration and noise.

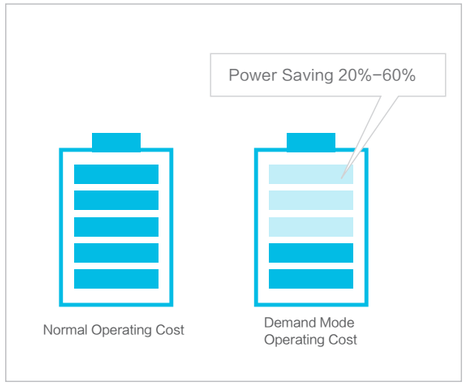
❸ Flat mechanism design
Improve the volumetric efficiency and the total performance.

❹ Screw interactive fastening
Improve fastening effect and reduce deformation of the core.

Demand Mode

The intelligent demand mode can adjust capacity output automatically based on peak-valley requirements of electricity. There are three levels setting, 80%, 70% and 60%. It achieves the balance between comfort and energy-saving while meeting the power demand for daily work.



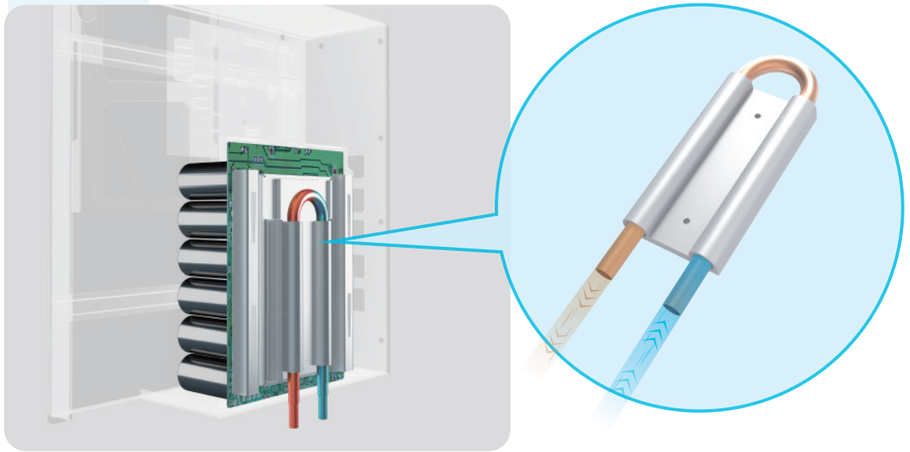


Patented 360° Fitted Refrigerant Cooling Technology

Refrigerant cooling technology is used to cool the electrical control box, maintaining efficient operation even at harsh environment with poor heat dissipation or high ambient temperature.

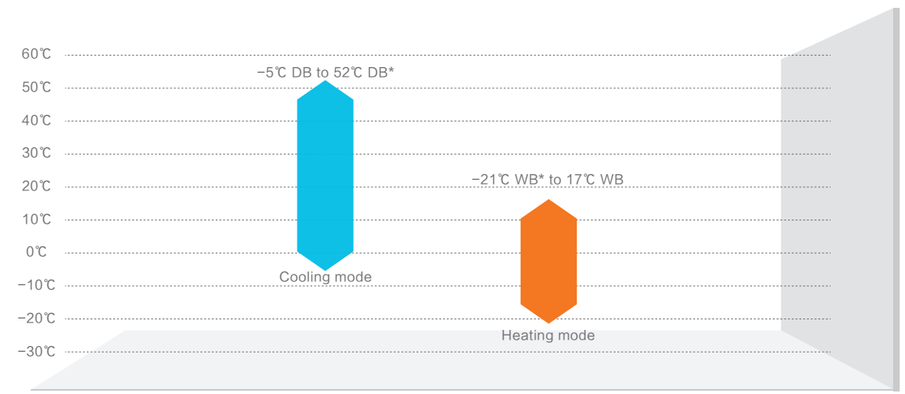
Note:

The electric box temperature drops by an average of 10% compared with air-cooled type.



Wider Operation Range

Wider operation range creates greater application. The operation range is from −5℃ DB to 52℃ DB in cooling mode and from −21℃ WB to 17℃ WB in heating mode, adapting to diverse environments and extreme conditions.

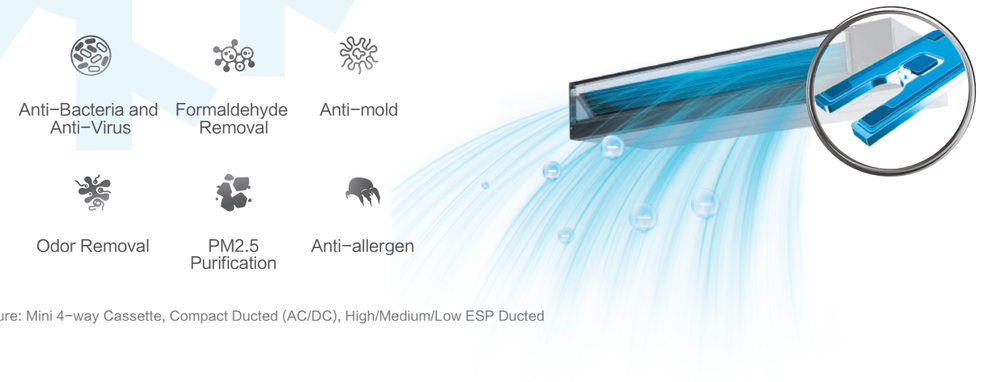


*Note: The unit will be in intermittent operation when the temperature is among 48℃~52℃.

Clean and Fresh Air

IonPure

YORK VRF indoor unit equipped with the IonPure kit can release about 20 million pcs/cc negative ions carried through airflow to the entire room to purify the air.



IonPure: Mini 4-way Cassette, Compact Ducted (AC/DC), High/Medium/Low ESP Ducted

Self-clean

The self-cleaning technology makes the evaporator self cleaned automatically through four steps: heat, frost, defrost, and dry. It prevents dusts and potentially-harmful substances from accumulating on the surface of the heat exchanger, thus to ensure the air blown from the air conditioner is clean and healthy.

Note:

The self-cleaning technology is available in 1-Way Cassette, Compact Ducted (1-6HP), and Wall Mounted Type.

JKOH Series

Sideflow			3HP	4HP	5HP	6HP
Model			JKOH030HSESCQ	JKOH040HSESCQ	JKOH050HSESCQ	JKOH060HSESCQ
Power Supply			1N~ 220~240V 50HZ，1N~ 220V 60HZ			
Cooling Operation	Nominal Capacity	kW	8.0	11.2	14.0	15.5
	Power Consumption	kW	2.00	3.02	4.30	5.15
	EER	W/W	4.0	3.7	3.3	3.0
Heating Operation	Nominal Capacity	kW	9.5	12.5	16.0	17.0
	Power Consumption	kW	2.26	3.02	4.41	4.99
	COP	W/W	4.20	4.14	3.63	3.41
Sound Pressure Level※1(Cooling/Heating)		dB(A)	51/53	56/57	54/56	56/69
Fan	Condenser Fan Quantity	pcs	1	1	1	1
	Air Flow Rate	m³/min	60	71	71	71
Cabinet Color※2			Grayish White			
Outer Dimensions	Height	mm	800	800	990	990
	Width	mm	950	950	950	950
	Depth	mm	320	320	320	320
Net Weight		kg	74	74	87	87
Compressor	Type	—	Rotary			
	Quantity	pcs	1	1	1	1
Ref. Piping	Gas Pipe	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	Liquid Pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Piping Design	Max. Total Piping Length	m	30	40	70	70
	Max. Actual Piping Length	m	25	25	60	60
	Height Difference Between ODU and IDU — ODU is Higher	m	20	20	30	30
	Height Difference Between ODU and IDU — ODU is Lower	m	20	20	20	20
	Height Difference Between IDUs	m	3.5	3.5	10	10
Operation Range※3	Cooling	DB	−5℃~52℃			
	Heating	WB	−21℃~17℃			

Notes:

Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB (80°F DB) 19℃ WB (66°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 meters, Piping Lift: 0 meter

※1.The above noise values are measured in anechoic chamber without reflected echo, therefore the reflected echo at the scene must be considered.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
※2.The final appearance of outdoor units is subject to the actual products.
※3.The unit will be in intermittent operation when the temperature is among 48℃~52℃.

Sideflow			7HP	8HP	10HP	12HP
Model			JKOH070HSESCQ	JKOH080HSESCQ	JKOH100HSESCQ	JKOH120HSESCQ
Power Supply			1N~ 220~240V 50HZ，1N~ 220V 60HZ	3N~ 380~415V 50HZ，3N~ 380V 60HZ		
Cooling Operation	Nominal Capacity	kW	20.0	22.4	28.0	33.5
	Power Consumption	kW	5.85	6.69	8.12	13.40
	EER	W/W	3.4	3.4	3.5	2.5
Heating Operation	Nominal Capacity	kW	22.4	25.0	31.5	37.5
	Power Consumption	kW	5.61	6.58	7.59	10.00
	COP	W/W	3.99	3.80	4.15	3.75
Sound Pressure Level※1 (Cooling/Heating)		dB(A)	58/60	55/56	58/59	59/60
Fan	Condenser Fan Quantity	pcs	2	2	2	2
	Air Flow Rate	m³/min	122	122	150	163
Cabinet Color※2			Grayish White			
Outer Dimensions	Height	mm	1380	1380	1650	1650
	Width	mm	950	950	1100	1100
	Depth	mm	320	320	390	390
Net Weight		kg	118	122	145	158
Compressor	Type	—	Rotary			
	Quantity	pcs	1	1	1	1
Ref. Piping	Gas Pipe	mm	Φ15.88	Φ19.05	Φ22.2	Φ25.4
	Liquid Pipe	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7
Piping Design	Max. Total Piping Length	m	120	250	250	250
	Max. Actual Piping Length	m	75	80	100	100
	Height Difference Between ODU and IDU — ODU is Higher	m	30	50	50	50
	Height Difference Between ODU and IDU — ODU is Lower	m	30	40	40	40
	Height Difference Between IDUs	m	10	15	15	15
Operation Range※3	Cooling	DB	−5℃~52℃			
	Heating	WB	−21℃~17℃			

Notes:

Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB (80°F DB) 19℃ WB (66°F WB)
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Indoor Unit

Indoor Unit Line-up

kW	1.5	2.2	2.8	3.6	4.0	4.3	4.5	5.0	5.6	6.3	7.1	8.0	8.4	9.0	11.2	14.0	14.2	16.0	22.4	28.0	33.5	45.0	56.0
 4–Way Cassette			●		●				●		●	●			●	●		●					
 Mini 4–Way Cassette	●	●	●	●			●		●														
 Round–Way Cassette			●	●			●		●		●	●		●	●	●		●					
 1–Way Cassette			●	●			●		●		●												
 2–Way Cassette		●	●	●		●			●		●		●	●	●	●		●					
 High ESP Ducted												●		●	●	●		●					
 Medium ESP Ducted		●	●	●	●			●	●	●	●												
 Low ESP Ducted		●	●	●	●			●	●	●	●	●		●	●	●		●					
 Ceiling Ducted (DC High Static Pressure)		●	●	●			●		●		●			●	●	●		●	●	●			
 Compact Ducted (DC)		●	●	●	●			●	●	●	●												
 Compact Ducted (AC)		●	●	●	●			●	●	●	●												
 Wall Mounted		●	●	●	●			●	●	●	●												
 Floor Ceiling								●	●	●	●		●	●	●		●						
 Fresh Air Unit																●			●	●	●	●	●

Indoor Unit Feature Overview

Model		4-Way Cassette	Mini 4-Way Cassette	Round-Way Cassette	1-Way Cassette	2-Way Cassette	High/Medium/Low ESP Ducted	High ESP Ducted
		JTKF*H0PSAQ	JDKM*H0PSCQ	JDCK*H0PSHQ	JDKS*H0PSCQ	JDKT*H0PKAQ	JDDH*H0NNBQ/ JDDM*H0NNBQ/ JDDL*H0NNBQ	JDDH224H0NSBQ JDDH280H0NSBQ
Features	Auto Dry	–	●	●	●	–	●	–
	Auto Cooling/Heating	●	●	●	●	●	●	●
	Temp. Setting Rate	0.5℃	0.5℃	0.5℃	0.5℃	–	0.5℃	0.5℃
	Fan Speed	4 taps	4 taps	6 taps	6 taps	4taps	3 taps	6taps
	Auto Fan Speed	–	–	–	●	●	●	–
	Airflow Speedup	●	●	●	●	●	●	●
	Individual Louver Control	●	●	●	–	–	–	–
	Horizontal Louver	●	●	●	●	–	–	–
	Vertical Louver	–	–	–	●	–	–	–
	Fresh Air Intake	●	●	●	●	–	–	–
	ECO Mode	–	●	●	●	–	●	●
	Quiet Mode	–	●	●	●	–	●	●
	Sleep Mode	–	●	●	●	–	●	●
	Healthy Mode	–	●	●	–	–	●	–
	Self-clean	–	–	–	●	–	●	–
	Filter Reset	●	●	●	●	–	●	●
Accessories	Ion Pure kit	–	●	–	–	–	●	–
	Panel	○	○	○	○	○	–	–
	Drain Pump (built-in)	●	●	●	●	●	○	○
	Wired Controller	○	○	○	○	○	○	○
	Wreless Controller	○	○	○	○	–	○	○
	IR receiver	○	○	○	○	–	○	○
	Filter	●	●	●	●	●	○	○
	Motion Sensor	○	○	○	○	○	○	○

Remarks: ●:Standard ○: Optional –: Incompatible

Model		Ceiling Ducted (DC High Static Pressure)	Compact Ducted	Compact Ducted	Floor Ceiling	Wall Mounted	Fresh Air Unit	AHU kit
		JDCH*H0NKAQ	JDDN*H0PSDQ	JDDN*H0PNBQ	JDFE*H0NNBQ	JDHW*H0NSBQ	JDAF*H0NNBQ JDAF*H0NMBQ JDAH*H0NMBQ	JDXF-*B1
Features	Auto Dry	●	●	●	–	–	–	●
	Auto Cooling/Heating	●	●	●	●	●	●	–
	Temp. Setting Rate	●	0.5℃	0.5℃	0.5℃	0.5℃	0.5℃	0.5℃
	Fan Speed	6 taps	6 taps	3 taps	3 taps	6 taps	1 tap	1 tap
	Auto Fan Speed	●	●	●	–	●	–	–
	Airflow Speedup	–	●	●	–	–	–	–
	Individual Louver Control	–	–	–	–	–	–	–
	Horizontal Louver	–	–	–	●	●	–	–
	Vertical Louver	–	–	–	–	–	–	–
	Fresh Air Intake	–	●	●	–	–	–	–
	ECO Mode	●	●	●	–	●	–	–
	Quiet Mode	●	●	●	–	●	–	–
	Sleep Mode	●	●	●	–	●	–	–
	Healthy Mode	●	●	●	–	–	–	–
	Self-clean	●	●	●	–	●	–	–
	Filter Reset	–	●	●	●	●	●	–
Accessories	Ion Pure kit	–	●	●	–	–	–	–
	Panel	–	–	–	–	–	–	–
	Drain Pump (built-in)	○	●	●	–	–	○	–
	Wired Controller	○	○	○	○	○	○	○
	Wreless Controller	○	○	○	●	●	–	○
	IR receiver	○	○	○	●	●	–	○
	Filter	●	○	○	●	●	–	–
	Motion Sensor	–	○	○	–	○	–	–

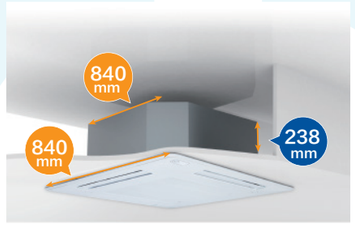
Remarks: ●:Standard ○: Optional –: Incompatible

YORK Johnson Controls

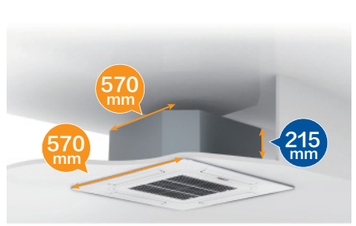
Cassette Type

Compact and Classy Design

The height of 4-way cassette is now 238mm and that of mini 4-way cassette is 215mm to fit for narrow ceiling spaces. Besides, it is also suitable for higher ceiling installation. Air can flow down from ceiling heights as high as 5.5m in cooling mode.



4-Way Cassette Type

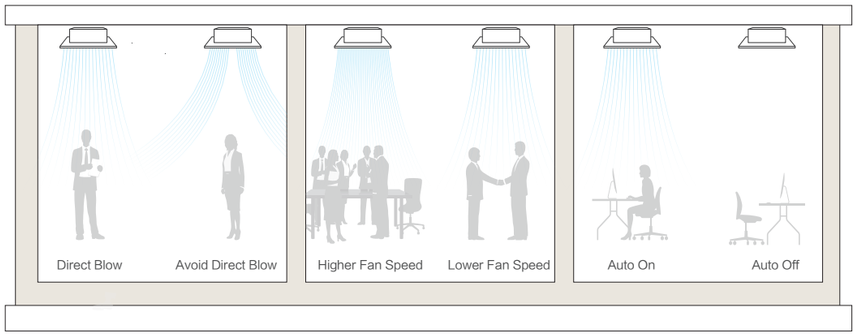


Mini 4-Way Cassette Type

Round-Way Cassette Type

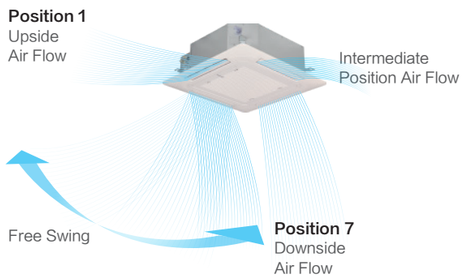
Motion Sensor (Optional)

Motion sensors can provide you with a more comfortable environment and more energy-efficient operation. With the sensor, it can automatically turn the indoor unit on or off when people enter or exit the room. It can also set the temperature and adjust the direction of airflow automatically by detecting the number and position of people in the room.



Individual Louvers Control

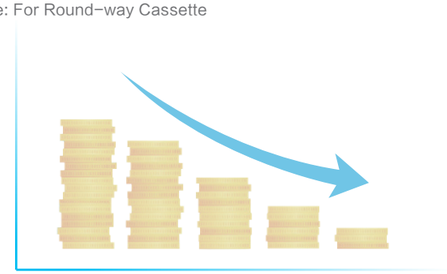
4-way cassette are now capable of individual control with 7 angle settings to freely choose the air direction for more efficiency and comfort according to different needs, applications and installation layout.



High-efficiency DC Fan Motor

The power consumption of the unit with DC fan motor can be reduced greatly in comparison to the conventional one to achieve low-cost operation.

*Note: For Round-way Cassette



4-Way Cassette

Model Name			JTKF028H0PSAQ	JTKF040H0PSAQ	JTKF056H0PSAQ	JTKF071H0PSAQ
Power Supply		–	220-240V ~ 50/60Hz			
Capacity	Cooling	kW	2.8	4.0	5.6	7.1
	Heating	kW	3.2	4.8	6.3	8.5
Power Input		kW	0.09	0.09	0.09	0.09
Noise Level		dB(A)	33/30/28/27	35/31/30/27	37/32/30/27	42/36/32/28
Air Flow Rate		m^3/min	15/13/11/9	21/17/14/11	22/17/14/11	27/23/18/14
Dimensions	H	mm	238	238	238	238
	W	mm	840	840	840	840
	D	mm	840	840	840	840
Net Weight		kg	20	21	21	22
Refrigerant Type		–	R410A	R410A	R410A	R410A
Connections		–	Flare-nut Connection (with Flare Nuts)			
Piping	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.53
	Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
	Drainage	mm	VP25(Outer Φ32)			
Panel	Model		PJKF160PAQ			
	Color		Neutral White			
	Dimension(H × W × D)	mm	40x950x950			
	Net Weight	kg	8			

Model Name			JTKF080H0PSAQ	JTKF112H0PSAQ	JTKF140H0PSAQ	JTKF160H0PSAQ
Power Supply		–	220-240V ~ 50/60Hz			
Capacity	Cooling	kW	8	11.2	14	16
	Heating	kW	9	12.5	16	18
Power Input		kW	0.09	0.21	0.21	0.21
Noise Level		dB(A)	42/36/32/28	48/43/39/33	48/45/40/35	48/46/41/37
Air Flow Rate		m^3/min	27/23/18/14	37/31/24/20	37/33/26/21	37/35/28/22
Dimensions	H	mm	288	288	288	288
	W	mm	840	840	840	840
	D	mm	840	840	840	840
Net Weight		kg	26	26	26	26
Refrigerant Type		–	R410A	R410A	R410A	R410A
Connections		–	Flare-nut Connection (with Flare Nuts)			
Piping	Liquid Line	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	Drainage	mm	VP25(Outer Φ32)			
Panel	Model		PJKF160PAQ			
	Color		Neutral White			
	Dimension(H × W × D)	mm	40x950x950			
	Net Weight	kg	8			

NOTES

1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0℃ DB 19.0℃ WB	Indoor Air Inlet Temperature:	20.0℃ DB
Outdoor Air Inlet Temperature:	35.0℃ DB	Outdoor Air Inlet Temperature:	7.0℃ DB 6.0℃ WB
Piping Length: 7.5 metre Piping Lift: 0 metre		Piping Length: 7.5 metre Piping Lift: 0 metre	

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Mini 4-Way Cassette

Model Name			JDKM015H0PSCQ	JDKM022H0PSCQ	JDKM028H0PSCQ
Power Supply			AC 1Φ, 220V~240V~50Hz, 220V~60Hz		
Capacity	Cooling	kW	1.5	2.2	2.8
	Heating	kW	2.0	2.5	3.3
Power Input		W	14	14	14
Noise Level		dB(A)	30/29/28/26	30/29/28/26	32/30/28/26
Air Flow Rate		m^3/min	7.2/6.5/6.2/5.6	7.2/6.5/6.2/5.6	7.8/7.2/6.5/5.8
Outer Dimensions	H×W×D	mm	215×570×570	215×570×570	215×570×570
Unit Net Weight		kg	14.5	14.5	14.8
Piping	Connections		Flare-nut Connection(with Flare Nuts)		
	Liquid Line	(Φ)mm	6.35	6.35	6.35
	Gas Line	(Φ)mm	12.7	12.7	12.7
	Drainage	mm	Outer Diameter 32		
Panel	Model		PJKM071PAQ		
	Color		Neutral White		
	Dimension(H×W×D)	mm	37×620×620		
	Net Weight	kg	2.7		

Model Name			JDKM036H0PSCQ	JDKM045H0PSCQ	JDKM056H0PSCQ
Power Supply			AC 1Φ, 220V~240V~50Hz, 220V~60Hz		
Capacity	Cooling	kW	3.6	4.5	5.6
	Heating	kW	4.2	5.0	6.3
Power Input		W	16	22	40
Noise Level		dB(A)	34/32/29/26	38/36/31/28	45/42/38/34
Air Flow Rate		m^3/min	8.2/7.2/6.5/5.8	9.3/8.7/7.1/6.7	12.5/10.8/9.3/8
Outer Dimensions	H×W×D	mm	215×570×570	215×570×570	215×570×570
Unit Net Weight		kg	14.8	15.8	15.8
Piping	Connections		Flare-nut Connection(with Flare Nuts)		
	Liquid Line	(Φ)mm	6.35	6.35	6.35
	Gas Line	(Φ)mm	12.7	12.7	12.7
	Drainage	mm	Outer Diameter 32		
Panel	Model		PJKM071PAQ		
	Color		Neutral White		
	Dimension(H×W×D)	mm	37×620×620		
	Net Weight	kg	2.7		

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions
Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
Outdoor Air Inlet Temperature: 35.0℃ DB
Piping Length: 7.5 metre
Piping Lift: 0 metre

Heating Operation Conditions
Indoor Air Inlet Temperature: 20.0℃ DB
Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
Piping Length: 7.5 metre
Piping Lift: 0 metre

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.

Round-Way Cassette

Model Name			JDCK028 H0PSHQ	JDCK036 H0PSHQ	JDCK045 H0PSHQ	JDCK056 H0PSHQ	JDCK071 H0PSHQ
Power Supply			AC 1Φ, 220V~240V~50Hz, 220V~60Hz				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power Input		W	20	30	30	40	70
Current	Norminal	A	0.25	0.30	0.34	0.40	0.70
Air Flow Rate		m^3/min	15.0/13.0/12.0/ 11.0/10.0/9.0	17.0/14.0/12.8/ 12.0/10.8/9.0	19.0/15.0/14.9/ 13.0/12.7/11.0	21.0/16.0/15.0/ 14.0/13.0/12.0	26.0/20.0/18.3/ 17.0/15.5/14.0
Dimensions	Unit (H×W×D)	mm	238×840×840	238×840×840	238×840×840	238×840×840	238×840×840
	Panel (H×W×D)	mm	47×950×950	47×950×950	47×950×950	47×950×950	47×950×950
Net Weight	Unit	kg	20	20	21	21	22
	Panel	kg	6.2	6.2	6.2	6.2	6.2
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Noise (Anechoic)		dB(A)	34/31/30/30/29/28	37/32/31/30/29/28	39/33/32/32/30/29	40/35/33/32/30/29	46/40/39/37/35/34
Connections			Flare-joint Connection (with Flare Nuts)				
Piping	Liquid/Gas	(Φ)mm	6.35/12.7	6.35/12.7	6.35/12.7	6.35/12.7	9.53/15.88
	Drainage	mm	VP25	VP25	VP25	VP25	VP25
Panel	Model		PJCK160PHQ				
	Color		Neutral White				
	Dimension(H×W×D)	mm	73x950x950				
	Net Weight	kg	8				

Model Name			JDCK080 H0PSHQ	JDCK090 H0PSHQ	JDCK112 H0PSHQ	JDCK140 H0PSHQ	JDCK160 H0PSHQ
Power Supply			AC 1Φ, 220V~240V~50Hz, 220V~60Hz				
Capacity	Cooling	kW	8.0	9.0	11.2	14.0	16.0
	Heating	kW	9.0	10.0	12.5	16.0	18.0
Power Input		W	70	70	130	130	150
Current	Norminal	A	0.70	0.74	1.16	1.26	1.35
Air Flow Rate		m^3/min	27.0/22.0/19.6/ 18.0/16.3/15.0	27.0/23.0/20.2/ 19.0/17.0/16.0	35.0/30.0/27.0/ 24.0/21.3/19.0	35.0/33.0/28.5/ 26.0/23.0/20.0	37.0/37.0/30.0/ 27.0/25.0/22.0
Dimensions	Unit (H×W×D)	mm	288×840×840	288×840×840	288×840×840	288×840×840	288×840×840
	Panel (H×W×D)	mm	47×950×950	47×950×950	47×950×950	47×950×950	47×950×950
Net Weight	Unit	kg	26	26	26	26	26
	Panel	kg	6.2	6.2	6.2	6.2	6.2
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Noise (Anechoic)		dB(A)	46/41/39/37/35/34	46/41/39/36/35/32	53/48/46/43/40/37	53/51/48/44/42/39	54/53/49/45/44/41
Connections			Flare-joint Connection (with Flare Nuts)				
Piping	Liquid/Gas	(Φ)mm	9.53/15.88	9.53/15.88	9.53/15.88	9.53/15.88	9.53/15.88
	Drainage	mm	VP25	VP25	VP25	VP25	VP25
Panel	Model		PJCK160PHQ				
	Color		Neutral White				
	Dimension(H×W×D)	mm	73x950x950				
	Net Weight	kg	8				

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

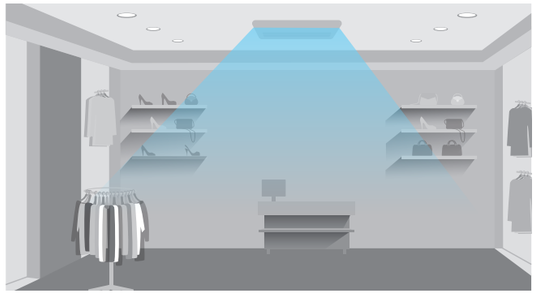
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
Outdoor Air Inlet Temperature: 35.0℃ DB
Piping Length: 7.5 metre
Piping Lift: 0 metre

Heating Operation Conditions
Indoor Air Inlet Temperature: 20.0℃ DB
Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
Piping Length: 7.5 metre
Piping Lift: 0 metre

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.

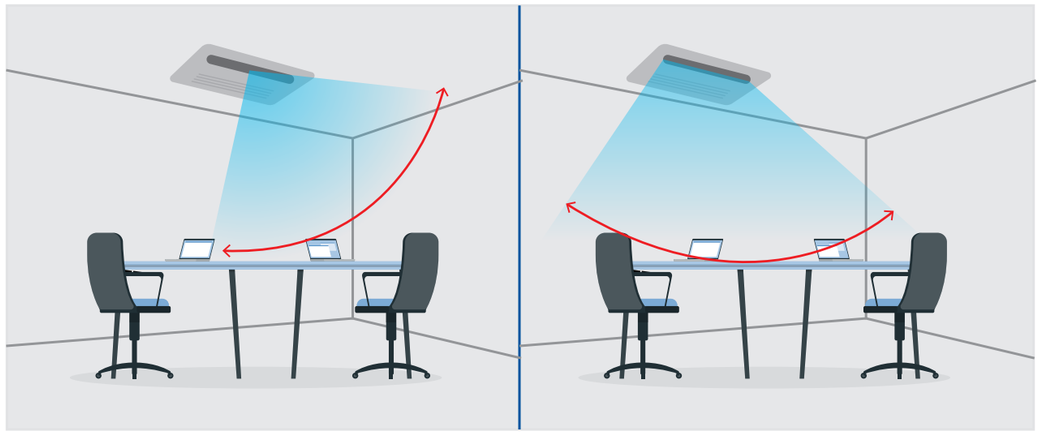
Convenient Installation

Flexible application for different room space. It is suitable for the installation in the narrow space. Concise panel design and structure are applicable for renewal projects and un-decorated shipping mall or classrooms.



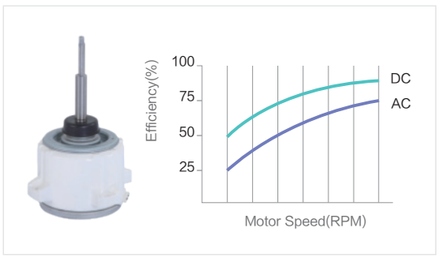
Wider 3D-Airflow Range

Broad louver swing angle provides broad air supply range. The air direction can be adjusted according to the need. Horizontal and vertical louver help realize 3D airflow to enhance user experience.



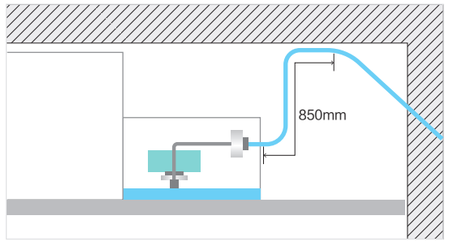
High-efficiency DC Fan Motor

Adoption of the efficient DC motor and the optimized duct design assure the smooth air flow.



Standard Equipped Drain Pump

Standard drain pump with 850 mm lift



1-Way Cassette

Model Name			JDKS028H0PSCQ	JDKS036H0PSCQ	JDKS045H0PSCQ	JDKS056H0PSCQ	JDKS071H0PSCQ
Power Supply			AC 1Φ, 220V~240V~50Hz, 220V~60Hz				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4	5	6.3	8
Power Input	Cooling	W	20	30	40	40	80
	Heating	W	30	40	50	50	100
Sound Pressure Level	Cooling	dB(A)	32/31/30/29/28/27	37/35/34/32/30/28	41/37/34/33/31/30	40/38/35/33/32/31	46/42/40/37/34/32
	Heating	dB(A)	35/34/32/31/29/28	40/36/35/33/30/29	43/39/35/33/31/29	41/39/36/35/33/31	48/46/43/40/37/33
Air Flow Rate		m^3/min	6.6/6.2/5.6/5.1/4.8/4.6	8.3/7.3/6.8/6.2/5.6/5.1	10/8.3/6.8/6.3/5.7/5.2	12.1/9.9/8.8/8.2/7.8/6.6	15.6/12.6/11.2/9.9/8.4/7.1
Outer Dimensions	H × W × D	mm	192 × 910 × 470	192 × 910 × 470	192 × 910 × 470	192 × 1180 × 470	192 × 1180 × 470
Unit Net Weight		kg	19	20	20	24	24
Piping	Connection		Flare-nut Connection(with Flare Nuts)				
	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35	9.53
	Gas Line	(Φ)mm	12.7	12.7	12.7	15.88	15.88
	Drainage	mm	VP25				
Panel	Model		PJKS045PAQ			PJKS071PAQ	
	Color		Neutral White				
	Dimension (H × W × D)	mm	55 × 1100 × 550			55 × 1370 × 550	
	Net Weight	kg	5			6	

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

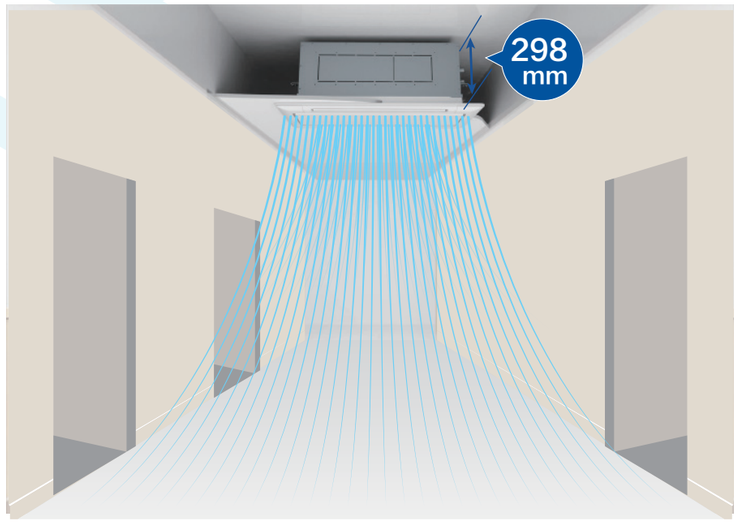
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
Outdoor Air Inlet Temperature: 35.0℃ DB
Piping Length: 7.5 metre
Piping Lift: 0 metre

Heating Operation Conditions
Indoor Air Inlet Temperature: 20.0℃ DB
Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
Piping Length: 7.5 metre
Piping Lift: 0 metre

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.

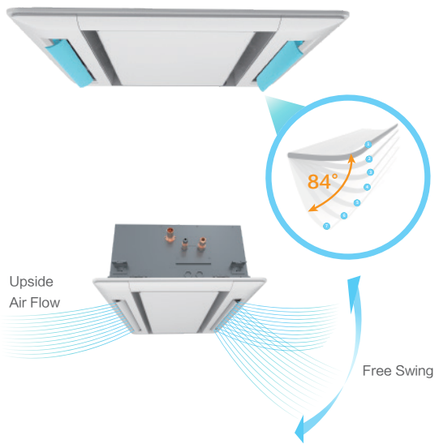
Compact and Classy Design

Space saving design makes flexible installation. The slim structure with a height as thin as 298mm can be installed in a minimum ceiling spaces of 310mm. It is quite ideal for narrow spaces like corridors thanks to its compact design.



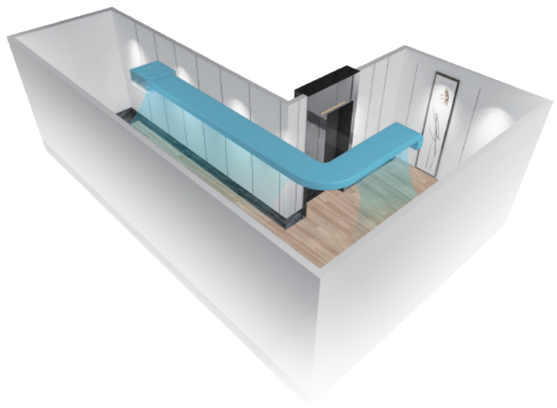
Independent Louvers Control

Each louver can be adjusted individually with 7 different angles ranging from 27° to 84° . It ensures effective heating in long and narrow corridors with high ceilings during the winter.

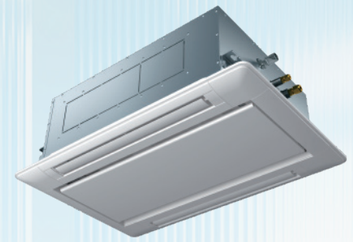


Branch Discharge Option

In rooms with irregular layouts, branch discharge manage to supply air to the most remote corners without the need for any additional indoor units.



2-Way Cassette



Model				JDKT022 H0PKAQ	JDKT028 H0PKAQ	JDKT036 H0PKAQ	JDKT043 H0PKAQ	JDKT056 H0PKAQ	JDKT071 H0PKAQ	JDKT084 H0PKAQ	JDKT090 H0PKAQ	JDKT112 H0PKAQ	JDKT140 H0PKAQ	JDKT160 H0PKAQ
Power Supply				AC 1Φ, 220~240V/50Hz/60Hz										
Capacity	Cooling		kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
	Heating		kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
Power Input	Cooling		W	14	14	14	24	34	44	64	74	84	104	114
	Heating		W	14	14	14	24	34	44	64	74	84	104	114
Sound Pressure Level			dB(A)	32/30/ 29/27	33/30/ 29/28	34/31/ 30/28	40/37/ 34/32	42/39/ 36/33	45/42/ 40/36	47/44/ 40/36	49/46/ 42/37	46/44/ 40/38	48/45/ 42/38	49/46/ 43/40
Air Flow Rate			m^3/min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1
Piping	Connection		–	Flare-nut Connection (with Flare Nuts)										
	Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas Line		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
	Drainage		mm	I.D.32										
Weight	Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight		kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H	mm	298	298	298	298	298	298	298	298	298	298	298
		W	mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D	mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H	mm	350	350	350	350	350	350	350	350	350	350	350
		W	mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D	mm	710	710	710	710	710	710	710	710	710	710	710
Panel	Model		–	PJKT160PAQ										
	Color		–	Neutral White										
	Dimension (H × W × D)		mm	30x1100x710								30x1660x710		
	Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5

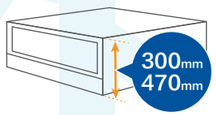
Notes:

1. The nominal cooling capacity is based on the following conditions:
   Indoor Air Inlet Temperature: 27℃ DB (80° F DB), 19.0℃ WB (66.2° F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95° F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

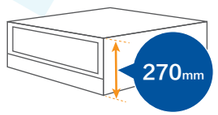
Ceiling Ducted Type

Space Saving

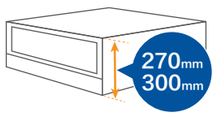
Space saving design makes flexible installation. Compact Ducted (DC/AC) are ideal for installation over closets or windows thanks to a height of only 192mm.



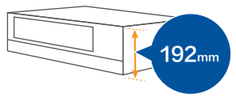
High ESP Ducted:
300mm: 90/120Pa
470mm: 150Pa



Medium ESP Ducted:
270mm: 50/80Pa



Low ESP Ducted:
270mm: 30Pa
300mm: 60Pa

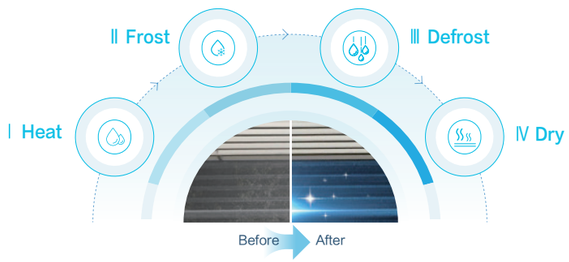


Compact Ducted (DC/AC):
192mm

Self-clean

The self-cleaning technology makes the evaporator self cleaned automatically through four steps: heat, frost, defrost, and dry. It prevents dusts and potentially-harmful substances from accumulating on the surface of the heat exchanger, thus to ensure the air blown from the air conditioner is clean and healthy.

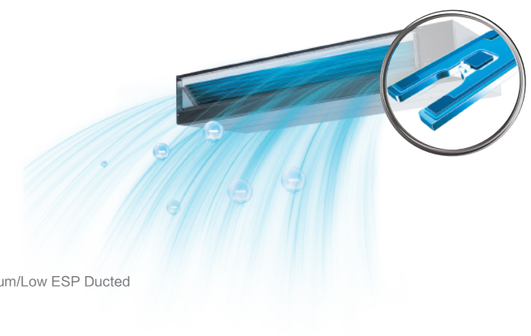
Note:
The self-cleaning technology is available in 1-Way Cassette, Compact Ducted (1-6HP), and Wall Mounted Type.



Ion Pure Kit

YORK VRF indoor unit equipped with the IonPure kit can release about 20 million pcs/cc negative ions carried through airflow to the entire room to purify the air.

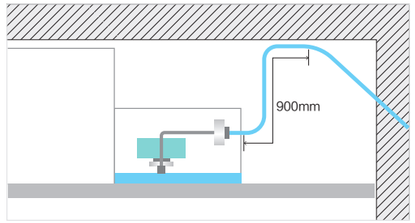
Anti-Bacteria and Anti-Virus
Formaldehyde Removal
Anti-mold
Odor Removal
PM2.5 Purification
Anti-allergen



IonPure: Standard for Mini 4-way Cassette, Compact Ducted (AC/DC), High/Medium/Low ESP Ducted

Standard/Optional Drain Pump

Drain-up mechanism can be supplied as optional part for High/-Medium/Low ESP Ducted. For Compact Ducted(DC/AC), drain-pump with 900mm lift are standard part.



YORK Johnson Controls

High ESP Ducted

Model Name			JDDH080 H0NNBQ	JDDH090 H0NNBQ	JDDH112 H0NNBQ
Power Supply			AC 1Φ, 220-240V ~ 50Hz		
Nominal Capacity	Cooling	kW	8.4	9.0	11.2
	Heating	kW	9.6	10.0	13.0
Sound Pressure Level	Hi/Me/Lo	dB(A)	42/39/34	42/39/34	43/39/34
Outer Dimension	H×W×D	mm	300×1175×800	300×1175×800	300×1175×800
Net Weight		kg	45	45	45
Refrigerant			R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	30/28/23	30/28/23	30/28/23
External Static Pressure *3		Pa	120(90)	120(90)	120(90)
Connections			Flare-Nut Connection (with Flare Nuts)		
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	9.53	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25

Model Name			JDDH140 H0NNBQ	JDDH160 H0NNBQ
Power Supply			AC 1Φ, 220-240V ~ 50Hz	
Nominal Capacity	Cooling	kW	14.2	16.0
	Heating	kW	16.3	18.0
Sound Pressure Level	Hi/Me/Lo	dB(A)	44/41/37	48/42/37
Outer Dimension	H×W×D	mm	300×1475×800	300×1475×800
Net Weight		kg	53	54
Refrigerant			R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	35.5/32/27	41/33/26
External Static Pressure *3		Pa	120(90)	120(90)
Connections			Flare-Nut Connection (with Flare Nuts)	
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88
Condensate Drain			VP25	VP25

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions
Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
Outdoor Air Inlet Temperature: 35.0℃ DB
Piping Length: 7.5 metre
Piping Lift: 0 metre

Heating Operation Conditions
Indoor Air Inlet Temperature: 20.0℃ DB
Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
Piping Length: 7.5 metre
Piping Lift: 0 metre

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

YORK Johnson Controls

Medium ESP Ducted

Model Name			JDDM022 H0NNBQ	JDDM028 H0NNBQ	JDDM036 H0NNBQ	JDDM040 H0NNBQ
Power Supply			AC 1Φ, 220–240V ~ 50Hz			
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.3
	Heating	kW	2.8	3.3	4.2	4.9
Sound Pressure Level	Hi/Me/Lo	dB(A)	32/27/24	32/27/24	35/33/28	35/33/28
Outer Dimension	H × W × D	mm	270 × 725 × 720	270 × 725 × 720	270 × 725 × 720	270 × 725 × 720
Net Weight		kg	24	24	25	25
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	10/8/7	10/8/7	12/11/9	12/11/9
External Static Pressure *3		Pa	50(80)	50(80)	50(80)	50(80)
Connections			Flare–Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35
	Gas Line	(Φ)mm	12.7	12.7	12.7	12.7
Condensate Drain			VP25	VP25	VP25	VP25
Approximate Packing Volum		m^3	0.22	0.22	0.22	0.22

Model Name			JDDM050 H0NNBQ	JDDM056 H0NNBQ	JDDM063 H0NNBQ	JDDM071 H0NNBQ
Power Supply			AC 1Φ, 220–240V ~ 50Hz			
Nominal Capacity	Cooling	kW	5.0	5.6	6.3	7.1
	Heating	kW	5.6	6.5	7.5	8.5
Sound Pressure Level	Hi/Me/Lo	dB(A)	35.5/33/28	35.5/33/28	39/34/26	39/34/26
Outer Dimension	H × W × D	mm	270 × 975 × 720	270 × 975 × 720	270 × 975 × 720	270 × 975 × 720
Net Weight		kg	31	31	32	32
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	16/14/11.5	16/14/11.5	20/16/11	20/16/11
External Static Pressure *3		Pa	50(80)	50(80)	50(80)	50(80)
Connections			Flare–Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25	VP25
Approximate Packing Volum		m^3	0.28	0.28	0.28	0.28

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0℃ DB 19.0℃ WB	Indoor Air Inlet Temperature:	20.0℃ DB
Outdoor Air Inlet Temperature:	35.0℃ DB	Outdoor Air Inlet Temperature:	7.0℃ DB 6.0℃ WB
Piping Length: 7.5 metre Piping Lift: 0 metre		Piping Length: 7.5 metre Piping Lift: 0 metre	

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

Low ESP Ducted

Model Name			JDDL022 H0NNBQ	JDDL028 H0NNBQ	JDDL036 H0NNBQ	JDDL040 H0NNBQ	JDDL050 H0NNBQ	JDDL056 H0NNBQ	JDDL063 H0NNBQ
Power Supply			AC 1Φ, 220–240V ~ 50Hz						
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3
	Heating	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5
Sound Pressure Level	Hi/Me/Lo	dB(A)	28/25/22	28/25/22	34/32/30	34/32/30	34/32/29	34/32/29	36.5/30.5/25
Outer Dimension	H × W × D	mm	270 × 725 × 720	270 × 725 × 720	270 × 725 × 720	270 × 725 × 720	270 × 975 × 720	270 × 975 × 720	270 × 975 × 720
Net Weight		kg	24	24	25	25	31	31	32
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	9/8/7	9/8/7	13/11/9	13/11/9	15/14/12	15/14/12	21/14/11
External Static Pressure *3		Pa	30	30	30	30	30	30	30
Connections			Flare–Nut Connection (with Flare Nuts)						
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35	6.35	6.35	9.53
	Gas Line	(Φ)mm	12.7	12.7	12.7	12.7	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25

Model Name			JDDL071 H0NNBQ	JDDL080 H0NNBQ	JDDL090 H0NNBQ	JDDL112 H0NNBQ	JDDL140 H0NNBQ	JDDL160 H0NNBQ
Power Supply			AC 1Φ, 220–240V ~ 50Hz					
Nominal Capacity	Cooling	kW	7.1	8.4	9.0	11.2	14.2	16.0
	Heating	kW	8.5	9.6	10.0	13.0	16.3	18.0
Sound Pressure Level	Hi/Me/Lo	dB(A)	36.5/30.5/25	38/30/24	38/30/24	38/35/31	44/39/35	46/41/35
Outer Dimension	H × W × D	mm	270 × 975 × 720	300 × 1175 × 800	300 × 1175 × 800	300 × 1175 × 800	300 × 1475 × 800	300 × 1475 × 800
Net Weight		kg	32	45	45	45	53	54
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	21/14/11	29/25/21	29/25/21	29/25/21	36/31/26	42/34/26
External Static Pressure *3		Pa	30	60	60	60	60	60
Connections			Flare–Nut Connection (with Flare Nuts)					
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	9.53	9.53	9.53	9.53	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25

NOTES

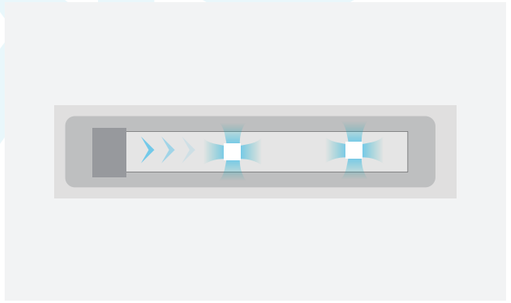
1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0℃ DB 19.0℃ WB	Indoor Air Inlet Temperature:	20.0℃ DB
Outdoor Air Inlet Temperature:	35.0℃ DB	Outdoor Air Inlet Temperature:	7.0℃ DB 6.0℃ WB
Piping Length: 7.5 metre Piping Lift: 0 metre		Piping Length: 7.5 metre Piping Lift: 0 metre	

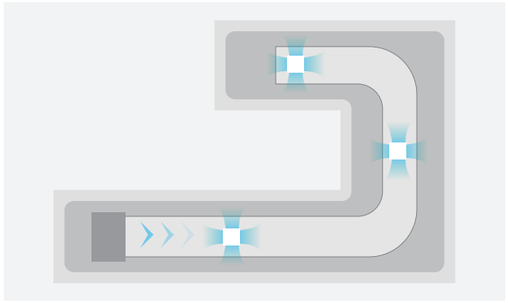
2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

Auto-adjust External Static Pressure

The actual duct resistance after installation may cause the air flow rate to vary. The auto-adjust ESP function offers an effective solution to this issue by automatically adjusting the most suitable ESP value according to the actual duct resistance during the initial commissioning.



Auto-adjust Low ESP



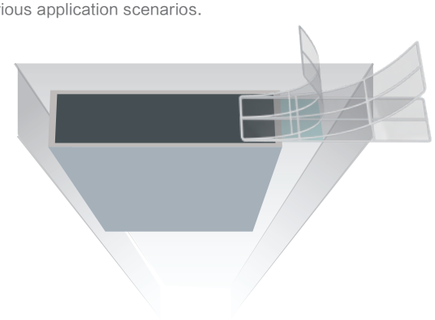
Auto-adjust High ESP

Limited Cold Wind Setting

The lowest outlet air temperature can be set within the range of 10~16℃, thereby preventing discomfort caused by extreme cold air blowing.

Bendable Filter

Filters are bendable with high ductility of material, improving the installation flexibility in restricted spaces, which is more suitable to various application scenarios.

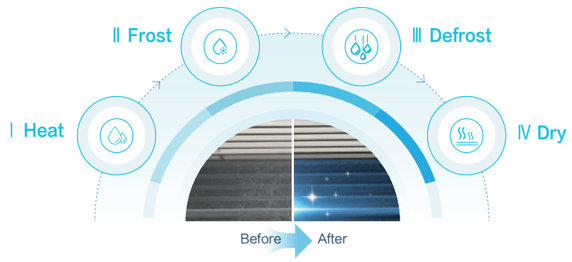


Self-clean

The self-cleaning technology makes the evaporator self cleaned automatically through four steps: heat, frost, defrost, and dry. It prevents dusts and potentially-harmful substances from accumulating on the surface of the heat exchanger, thus to ensure the air blown from the air conditioner is clean and healthy.

Note:

The self-cleaning technology is available in 1-Way Cassette, Compact Ducted (1-6HP), and Wall Mounted Type.



Ceiling Ducted (DC High Static Pressure)

Model Name			JDCH022 H0NKAQ	JDCH028 H0NKAQ	JDCH036 H0NKAQ	JDCH045 H0NKAQ	JDCH056 H0NKAQ
Power Supply			AC 1Φ, 220-240V ~ 50/60Hz				
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.5	3.2	4.0	4.6	6.3
Sound Pressure Level	6 Taps	dB(A)	30/27/23/ 21/20/19	30/27/23/ 21/20/19	35/33/32/ 28/26/24	35/33/32/ 28/26/24	33/30/27/ 25/23/22
Outer Dimension	H×W×D	mm	270×650+75×720	270×650+75×720	270×650+75×720	270×650+75×720	270×900+75×720
Net Weight		kg	23	23	24	24	30
Refrigerant			R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	6 Taps	m^3/min	9/8/6.8/ 6.3/5.8/5.3	9/8/6.8/ 6.3/5.8/5.3	12/11/10/ 9/8/7.2	12/11/10/ 9/8/7.2	14.5/13/11.5/ 10.5/9.5/8.7
External Static Pressure *3		Pa	30 (30/40/50/60/70/80/90/100/110/120/130/140/150)				
Connections			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35	6.35
	Gas Line	(Φ)mm	12.7	12.7	12.7	12.7	15.88
Condensate Drain			I.D. 32	I.D. 32	I.D. 32	I.D. 32	I.D. 32

Model Name			JDCH071 H0NKAQ	JDCH090 H0NKAQ	JDCH112 H0NKAQ	JDCH140 H0NKAQ	JDCH160 H0NKAQ	JDDH224 H0NSBQ	JDDH280 H0NSBQ
Power Supply			AC 1Φ, 220-240V ~ 50/60Hz						
Nominal Capacity	Cooling	kW	7.1	9.0	11.2	14.0	16.0	22.4	28.0
	Heating	kW	8.0	10.0	12.5	16.0	18.0	25.0	31.5
Sound Pressure Level	6 Taps	dB(A)	33/31/28/ 25/23/21	34/32/30/ 28/25/22	37/35/31/ 29/26/23	38/36/34/ 31/29/26	41/38/35/ 33/30/27	49/48/47/ 46/45/44	53/52/50/ 49/47/45
Outer Dimension	H×W×D	mm	300×1100+75×800	300×1100+75×800	300×1100+75×800	300×1400+75×800	300×1400+75×800	470×1250×1120	470×1250×1120
Net Weight		kg	40	40	40	49	49	104	104
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	6 Taps	m^3/min	20.6/19/17/ 15/13.8/12.5	25/23/21/ 19/17/15	28/25/23/ 21/19/17	35.5/32.5/29.5/ 26.5/23.5/20.5	39/35.5/31/ 26.5/23.5/21.8	34.2/32.4/31.2/ 30.6/29.4/28.5	43.2/40.8/39/ 36.6/34.5/30
External Static Pressure *3		Pa	50 (50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200)					150	150
Connections			Flare-Nut Connection (with Flare Nuts)					Brazing	
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	9.53	9.53	9.53	9.53	9.53	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88	15.88	15.88	22.2	22.2
Condensate Drain			I.D. 32	I.D. 32	I.D. 32	I.D. 32	I.D. 32	VP25	VP25

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions
Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
Outdoor Air Inlet Temperature: 35.0℃ DB
Piping Length: 7.5 metre
Piping Lift: 0 metre

Heating Operation Conditions
Indoor Air Inlet Temperature: 20.0℃ DB
Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
Piping Length: 7.5 metre
Piping Lift: 0 metre

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

Compact Ducted (DC)

Model Name			JDDN022 H0PSDQ	JDDN028 H0PSDQ	JDDN036 H0PSDQ	JDDN040 H0PSDQ
Power Supply			AC 1Φ, 220–240V ~ 50/60Hz			
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0
	Heating	kW	2.5	3.2	4.0	4.5
Sound Pressure Level	6 Taps	dB(A)	32/30/29/ 27/25/24	33/31/28/ 25/23.5/22.5	33/31/28/ 25/23.5/22.5	31/30/28/ 25/22/20
Outer Dimension	H × W × D	mm	192 × 700 × 447	192 × 700 × 447	192 × 700 × 447	192 × 910 × 447
Net Weight		kg	17	17	17	20
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	6 Taps	m^3/min	7/6.3/5.7/ 5.3/4.8/4.5	8.5/8/7/ 6/5.5/5	8.5/8/7/ 6/5.5/5	10/9/8/ 7.5/6.5/6
External Static Pressure *3		Pa	10(0–10–30)	10(0–10–30)	10(0–10–30)	10(0–10–30)
Connections			Flare–Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35
	Gas Line	(Φ)mm	12.7	12.7	12.7	12.7
Condensate Drain			VP25	VP25	VP25	VP25

Model Name			JDDN050 H0PSDQ	JDDN056 H0PSDQ	JDDN063 H0PSDQ	JDDN071 H0PSDQ
Power Supply			AC 1Φ, 220–240V ~ 50/60Hz			
Nominal Capacity	Cooling	kW	5.0	5.6	6.3	7.1
	Heating	kW	5.6	6.3	7.1	8.0
Sound Pressure Level	6 Taps	dB(A)	36/33.5/31/ 28/24.5/22.5	36/33.5/31/ 28/24.5/22.5	37/36/33/ 30/28/25	37/36/33/ 30/28/25
Outer Dimension	H × W × D	mm	192 × 1180 × 447	192 × 1180 × 447	192 × 1180 × 447	192 × 1180 × 447
Net Weight		kg	24	24	24	24
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	6 Taps	m^3/min	14.5/13.2/11.8/ 10.5/9.2/8	14.5/13.2/11.8/ 10.5/9.2/8	16.5/15/13/ 12/10/9	16.5/15/13/ 12/10/9
External Static Pressure *3		Pa	10(0–10–50)	10(0–10–50)	10(0–10–50)	10(0–10–50)
Connections			Flare–Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25	VP25

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0℃ DB 19.0℃ WB	Indoor Air Inlet Temperature:	20.0℃ DB
Outdoor Air Inlet Temperature:	35.0℃ DB	Outdoor Air Inlet Temperature:	7.0℃ DB 6.0℃ WB
Piping Length: 7.5 metre Piping Lift: 0 metre		Piping Length: 7.5 metre Piping Lift: 0 metre	

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

Compact Ducted (AC)

Model Name			JDDN022 H0PNBQ	JDDN028 H0PNBQ	JDDN036 H0PNBQ	JDDN040 H0PNBQ
Power Supply			AC 1Φ, 220–240V ~ 50Hz			
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0
	Heating	kW	2.5	3.2	4.0	4.5
Sound Pressure Level	Hi/Me/Lo	dB(A)	30/23/20	30/23/20	34/25/22	32.5/26/23
Outer Dimension	H × W × D	mm	192 × 700 × 447	192 × 700 × 447	192 × 700 × 447	192 × 910 × 447
Net Weight		kg	17	17	17	21
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	9.5/6.5/5.5	9.5/6.5/5.5	9.5/6.5/5.5	10/7/6
External Static Pressure *3		Pa	10(30)	10(30)	10(30)	10(30)
Connections			Flare–Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35
	Gas Line	(Φ)mm	12.7	12.7	12.7	12.7
Condensate Drain			VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.14	0.14	0.14	0.15

Model Name			JDDN050 H0PNBQ	JDDN056 H0PNBQ	JDDN063 H0PNBQ	JDDN071 H0PNBQ
Power Supply			AC 1Φ, 220–240V ~ 50Hz			
Nominal Capacity	Cooling	kW	5.0	5.6	6.3	7.1
	Heating	kW	5.6	6.3	7.1	8.0
Sound Pressure Level	Hi/Me/Lo	dB(A)	34/26/25	34/26/25	37/29/27	37/29/27
Outer Dimension	H × W × D	mm	192 × 1180 × 447	192 × 1180 × 447	192 × 1180 × 447	192 × 1180 × 447
Net Weight		kg	27	27	28	28
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	15/10/9	15/10/9	17/10/9	17/10/9
External Static Pressure *3		Pa	10(30)	10(30)	10(30)	10(30)
Connections			Flare–Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.18	0.18	0.18	0.18

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

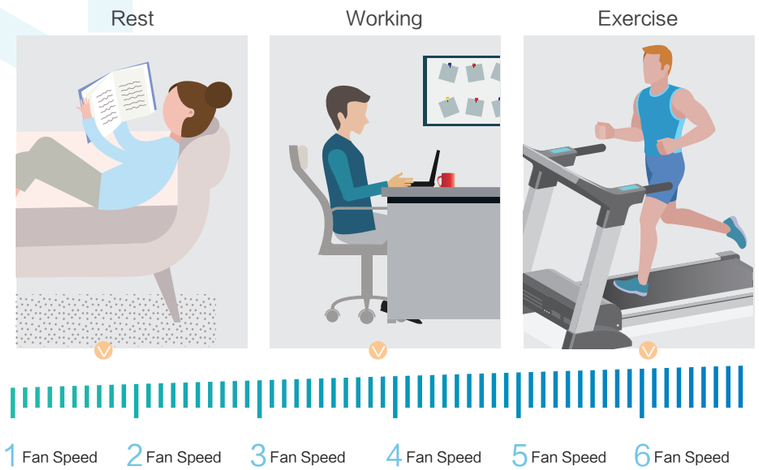
Cooling Operation Conditions		Heating Operation Conditions	
Indoor Air Inlet Temperature:	27.0℃ DB 19.0℃ WB	Indoor Air Inlet Temperature:	20.0℃ DB
Outdoor Air Inlet Temperature:	35.0℃ DB	Outdoor Air Inlet Temperature:	7.0℃ DB 6.0℃ WB
Piping Length: 7.5 metre Piping Lift: 0 metre		Piping Length: 7.5 metre Piping Lift: 0 metre	

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.
3. The data for external pressure (*3) indicates "Standard Pressure Setting values when a filter is not used.

Wall Mounted Type

6 Fan Speed

6 indoor fan speeds are available to meet the needs of different indoor conditions.



Self-clean

The self-cleaning technology makes the evaporator self cleaned automatically through four steps: heat, frost, defrost, and dry. It prevents dusts and potentially-harmful substances from accumulating on the surface of the heat exchanger, thus to ensure the air blown from the air conditioner is clean and healthy.

Note:

The self-cleaning technology is available in 1-Way Cassette, Compact Ducted (1-6HP), and Wall Mounted Type.

Wall Mounted

Model Name			JDHW022 H0NSBQ	JDHW028 H0NSBQ	JDHW036 H0NSBQ	JDHW040 H0NSBQ
Power Supply			AC 1Φ, 220~240V/50Hz, 220V/60Hz			
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0
	Heating	kW	2.5	3.3	4.0	4.5
Sound Pressure Level	6 Taps	dB(A)	36/35/33/ 32/30/28	36/35/33/ 32/30/28	38/35/33/ 32/30/28	38/37/36/ 32/31/29
Outer Dimension	H×W×D	mm	270×815×203	270×815×203	270×815×203	315×915×230
Net Weight		kg	9.0	9.0	9.0	12.5
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	9.8/9.2/8.7/ 8.2/7.5/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	10.3/9.2/8.7/ 8.2/7.5/7.0	11.5/11.0/10.3/ 9.0/8.7/8.0
Color			White			
Connections			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35
	Gas Line	(Φ)mm	9.53	9.53	9.53	12.7
Condensate Drain			VP16	VP16	VP16	VP16
Approximate Packing Volume		m^3	0.11	0.11	0.11	0.15

Model Name			JDHW050 H0NSBQ	JDHW056 H0NSBQ	JDHW063 H0NSBQ	JDHW071 H0NSBQ
Power Supply			AC 1Φ, 220~240V/50Hz, 220V/60Hz			
Nominal Capacity	Cooling	kW	5.0	5.6	6.3	7.1
	Heating	kW	5.6	6.3	7.1	8.0
Sound Pressure Level	6 Taps	dB(A)	44/42/41/ 38/31/29	40/38/36/ 35/33/31	41/40/38/ 35/33/31	45/42/41/ 38/35/31
Outer Dimension	H×W×D	mm	315×915×230	315×1085×230	315×1085×230	315×1085×230
Net Weight		kg	12.5	14.0	14.0	14.0
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	14.3/13.5/12.8/ 11.5/8.7/8	16.2/15.0/14.2/ 13.3/12.2/11.5	17.0/16.2/15.0/ 13.3/12.2/11.5	20.0/18.0/17.0/ 15.0/13.3/11.7
Color			White			
Connections			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	9.53	9.53	9.53
	Gas Line	(Φ)mm	12.7	15.88	15.88	15.88
Condensate Drain			VP16	VP16	VP16	VP16
Approximate Packing Volume		m^3	0.15	0.17	0.17	0.17

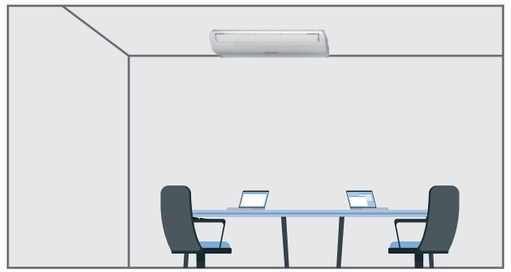
NOTES

1. The cooling and heating capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
   Outdoor Air Inlet Temperature: 35.0℃ DB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20.0℃ DB
   Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
   Piping Length: 7.5 metre
   Piping Lift: 0 metre
2. The sound pressure level is based on following conditions. 1.0 metre Beneath the unit. 1.0 metre from Discharge grille. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure. .

Floor Ceiling Type

Flexible Installation

It is suitable for installation beneath a window thanks to the height of 680mm and 230mm in depth. The unit can be installed to be standing on the floor or hanging on the ceiling.



Hanging on the ceiling

Standing on the floor

Model Name			JDFE050 H0NNBQ	JDFE056 H0NNBQ	JDFE063 H0NNBQ	JDFE071 H0NNBQ	JDFE084 H0NNBQ	JDFE090 H0NNBQ	JDFE112 H0NNBQ	JDFE142 H0NNBQ
Power Supply			AC 1Φ, 220–240V/50Hz							
Nominal Capacity	Cooling	kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
	Heating	kW	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3
Sound Pressure Level	Ceiling	dB(A)	39/35/30	39/35/30	45/41/37	45/41/37	43/39/34	45/40/36	51/46/40	50/46/42
	Floor	dB(A)	43/38/35	43/38/35	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Outer Dimension	H × W × D	mm	230 × 990 × 680	230 × 990 × 680	230 × 990 × 680	230 × 990 × 680	230 × 1285 × 680	230 × 1285 × 680	230 × 1285 × 680	230 × 1580 × 680
Net Weight		kg	31	31	32	32	39	40	41	47
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	Hi/Me/Lo	m^3/min	13.0/11.0/9.0	13.0/11.0/9.0	16.1/14.0/11.3	16.1/14.0/11.3	18.2/15.2/12.2	19.4/16.3/13.3	24.8/20.5/16.3	33.0/28.0/23.0
Motor		W	40	40	70	70	70	80	130	160
Connections			Flare–Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	(Φ)mm	6.35	6.35	6.35	6.35	9.53	9.53	9.53	9.53
	Gas Line	(Φ)mm	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m^3	0.31	0.31	0.31	0.31	0.40	0.40	0.40	0.48

NOTES

1.The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions
Indoor Air Inlet Temperature: 27.0℃ DB / 19.0℃ WB
Outdoor Air Inlet Temperature: 35.0℃ DB
Piping Length: 7.5 metre
Piping Lift: 0 metre

Heating Operation Conditions
Indoor Air Inlet Temperature: 20.0℃ DB
Outdoor Air Inlet Temperature: 7.0℃ DB / 6.0℃ WB
Piping Length: 7.5 metre
Piping Lift: 0 metre

2. The sound pressure level is based on following conditions. 1.4 metre Beneath the unit.
With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).
Voltage of the power source for the indoor fan motor is 220V.
(In case of the power source of 240V, the sound pressure level increases by about 1~ 2dB(A))
The above data was measured in an anechoic chamber so that reflected sound should be taken . into consideration in the field.

Fresh Air Unit

- Creates a comfortable and healthy indoor environment, thanks to the fresh air and heat/cool functions.
- Longer ducts can be connected on-site, thanks to the higher ESP.

Model Name			JDAF1080H0NNBQ	JDAF1680H0NNBQ	JDAF2100H0NNBQ	JDAF3000H0NMBQ
Power Supply			AC 1Φ, 220–240V/50Hz			AC 3Φ , 380–415V/50Hz
Cooling	Capacity	kW	14.0	22.4	28.0	33.5
	Power	kW	0.30	0.48	0.50	0.68
	Nominal Current	A	1.4	2.2	2.3	1.43
Heating	Capacity	kW	13.7	21.9	24.5	26.8
	Power	kW	0.30	0.48	0.50	0.68
	Nominal Current	A	1.4	2.2	2.3	1.43
Sound Pressure Level		dB(A)	42	44	47	56
Dimensions	H × W × D	mm	370 × 1320 × 800	486 × 1270 × 1069	486 × 1270 × 1069	486 × 1270 × 1069
Net Weight		kg	63	110	110	110
Refrigerant			R410A			
Air Flow Rate		m^3/min	18	28	35	50
External Pressure		Pa	200	220	220	220
Piping	Liquid	(Φ)mm	9.53	9.53	9.53	12.7
	Gas	(Φ)mm	15.88	19.05	22.2	25.4
	Condensate Drain		VP25, Outer Diameter: Φ32mm			
Temperature Range of Fresh Air Drawn			Cooling: 20℃~43℃, Heating: −7℃~15℃			

Model Name			JDAF4000H0NMBQ	JDAF5000H0NMBQ	JDAF6000H0NMBQ	JDAH4000H0NMBQ	JDAH5000H0NMBQ	JDAH6000H0NMBQ
			Low ESP			High ESP		
Power Supply			AC 3Φ , 380–415V/50Hz					
Cooling	Capacity	kW	45.0	56.0	56.0	45.0	56.0	56.0
	Power	kW	0.72	1.06	1.39	1.06	1.39	1.72
	Nominal Current	A	1.8	2.22	3.0	2.2	3.14	3.9
Heating	Capacity	kW	36.0	44.8	44.8	36.0	44.8	44.8
	Power	kW	0.72	1.06	1.39	1.06	1.39	1.72
	Nominal Current	A	1.8	2.22	3.0	2.2	3.14	3.9
Sound Pressure Level		dB(A)	58	61	63	62	65	67
Dimensions	H × W × D	mm	635 × 1950 × 805	735 × 1950 × 805	735 × 1950 × 805	635 × 1950 × 805	735 × 1950 × 805	735 × 1950 × 805
Net Weight		kg	196	222	222	196	222	222
Refrigerant			R410A					
Air Flow Rate		m^3/min	67	83	100	67	83	100
External Pressure		Pa	200	200	200	300	300	300
Piping	Liquid	(Φ)mm	12.7	15.88	15.88	12.7	15.88	15.88
	Gas	(Φ)mm	25.4	28.6	28.6	25.4	28.6	28.6
	Condensate Drain		RC1, (Internal Screw)					
Temperature Range of Fresh Air Drawn			Cooling: 20℃~43℃, Heating: −7℃~15℃					

NOTES

1. Cooling capacity and heating capacity tests in the following conditions:
Cooling conditions: 33℃ DB, 28℃ WB, pipe length 7.5m, pipe height difference 0m
Heating conditions: 0℃ DB, −2.9℃ WB, pipe length 7.5m, pipe height difference 0m (without defrosting)
2. Noise test conditions are as follows:
At a distance of 1.5m from the unit surface.
The above parameters are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be counted at the scene.
3. An air filter with dust removal efficiency of 50% or more needs to be installed at the air inlet.
4. When the field duct resistance is small and the fan speed is too high, the unit will appear the phenomena of abnormal shutdown, fault, water spray etc., and the duct pipe should be insulatedto prevent generating dew.
5. Air processor can only be used for processing fresh air, indoor air conditioning load processing need to use other air conditioners.
6. When fresh air processing unit and other indoor units air all connected to the same outdoor unit, its equivalent cooling capacity is calculated by the following criteria:Type_ 5HP: 21.0kW; 8HP: 33.3kW; 10HP: 42.0kW
7. Refer to capacity restrains shown on table below for indoor unit capacity connectable to outdoor unit.

System	All Fresh Air Unit System (Only All Fresh Air Unit)	Mixed System (All Fresh Air Unit and Other Indoor Unit)
Range of Combination Capacity	80 to 100%	1) 80 to 100% 2) Total Capacity of All Fresh Air: 30%

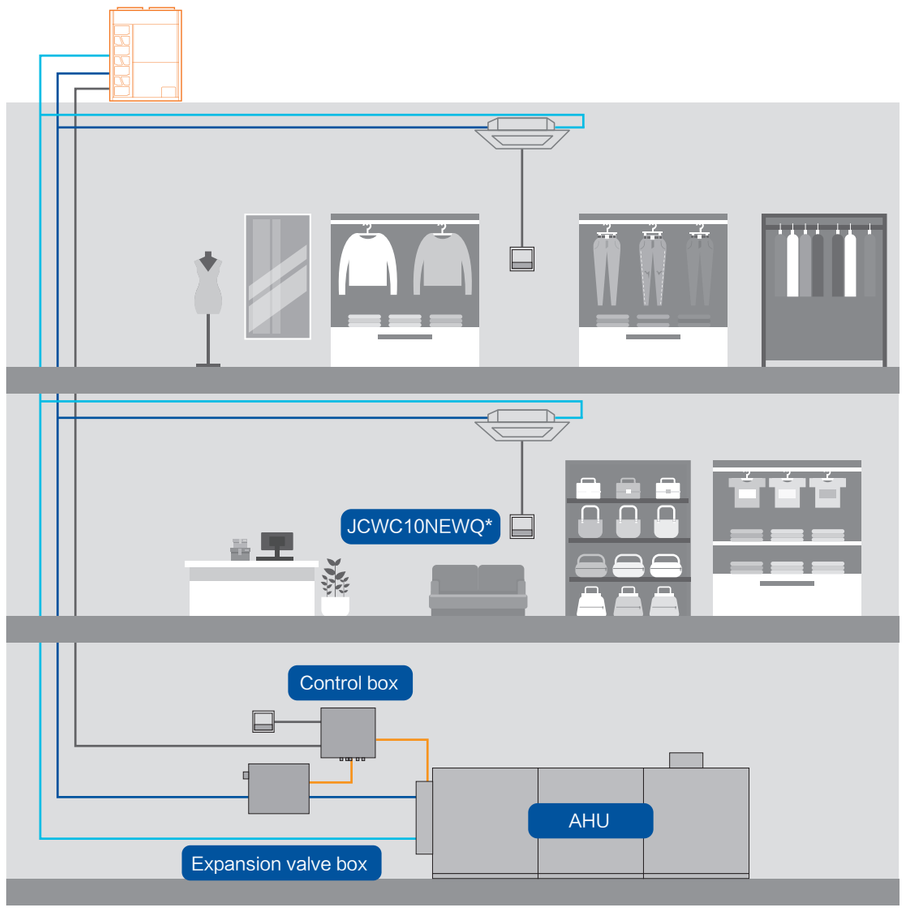
8. When outdoor temperature is below 20℃ in cooling operation, the system will be automatically converted to ventilation operation. When outdoor temperature is higher than 15℃ in heatingoperation, it will be automatically converted to ventilation operation. When lower than −7℃, the fresh air processing unit will stop running.

AHU Kit

York AHU-kit helps integrate external heat exchangers of AHU into a York VRF system to provide more flexible air conditioning solutions. It can provide 3 kinds of control type: inlet air temperature control, outlet air temperature control and duty signal control.

- Wide range of capacity: single capacity from 2HP to 30HP
- Both outdoor and indoor installation of AHU-Kit available
- Design flexibility in wiring and piping

Communication wire Sensor signal Refrigerant pipe



*The wired controller JCWC10NEWQ is standard.

Model Name			JDXF-2.0B1	JDXF-4.0B1	JDXF-6.0B1	JDXF-10.0B1	
Power Supply			AC 1Φ, 220V~240V/50Hz, 220V~240V/60Hz				
Nominal Capacity of AHU		HP	2	4	6	8	10
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	5.6	11.2	16.0	22.4	28.0
		kW	5.0	9.0	14.0	20.0	25.0
		kW	4.0	7.1	11.2	16.0	20.0
	Heating	kW	7.1	12.5	18.0	25.0	31.5
		kW	5.6	10.0	16.0	22.4	28.0
		kW	4.5	8.0	12.5	17.9	22.4
Heat Exchanger Volume	Min	dm^3	0.57	1.03	1.92	2.92	3.89
	Max	dm^3	1.16	2.37	2.92	3.89	4.76
Equivalent Indoor Unit Capacity		HP	2	4	6	8	10
Net Weight		kg	7.1	7.1	7.1	7.1	7.1
Gross Weight		kg	11.7	11.8	11.8	11.8	11.8
Outer Dimension(H × W × D)			166 × 437 × 61				
Control Box	Model		JDXF-B1E				
	Outer Dimension(H × W × D)		349 × 419 × 112				
Expansion Valve Box	Model		JDXF-2.0B1V	JDXF-4.0B1V	JDXF-6.0B1V	JDXF-10.0B1V	
	Outer Dimension(H × W × D)		166 × 437 × 61				

Model Name			JDXF-20.0B1				
Power Supply			AC 1Φ, 220V~240V/50Hz, 220V~240V/60Hz				
Nominal Capacity of AHU		HP	12	14	16	18	20
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	33.5	40.0	45.0	50.0	56.0
		kW	30.0	35.0	43.0	48.0	52.0
		kW	28.0	33.5	40.0	45.0	50.0
	Heating	kW	37.5	45.0	50.0	56.0	63.0
		kW	33.5	40.0	47.5	53.0	60.0
		kW	31.5	37.5	45.0	50.0	56.0
Heat Exchanger Volume	Min	dm^3	4.76	5.85	6.79	7.57	8.47
	Max	dm^3	5.91	6.89	8.00	8.92	9.97
Equivalent Indoor Unit Capacity		HP	12	14	16	18	20
Net Weight		kg	7.2				
Gross Weight		kg	11.9				
Outer Dimension(H × W × D)			166 × 437 × 61				
Control Box	Model		JDXF-B1E				
	Outer Dimension(H × W × D)		349 × 419 × 112				
Expansion Valve Box	Model		JDXF-20.0B1V				
	Outer Dimension(H × W × D)		166 × 437 × 61				

Model Name			JDXF-30.0B1				
Power Supply			AC 1Φ, 220V~240V/50Hz, 220V~240V/60Hz				
Nominal Capacity of AHU		HP	22	24	26	28	30
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	61.5	69.0	73.0	80.0	85.0
		kW	58.0	65.0	71.0	76.0	82.0
		kW	56.0	61.5	69.0	73.0	80.0
	Heating	kW	69.0	77.5	82.5	90.0	95.0
		kW	66.0	75.0	79.0	86.0	92.0
		kW	63.0	69.0	77.5	82.5	90.0
Heat Exchanger Volume	Min	dm^3	9.04	9.50	10.39	11.39	12.36
	Max	dm^3	11.13	12.34	12.89	13.86	14.73
Equivalent Indoor Unit Capacity		HP	22	24	26	28	30
Net Weight		kg	9.2				
Gross Weight		kg	15.4				
Outer Dimension(H × W × D)			166 × 437 × 61(2 sets)				
Control Box	Model		JDXF-B1E				
	Outer Dimension(H × W × D)		349 × 419 × 112				
Expansion Valve Box	Model		JDXF-30.0B1V				
	Outer Dimension(H × W × D)		166 × 437 × 61(2 sets)				

Control System

Individual Control

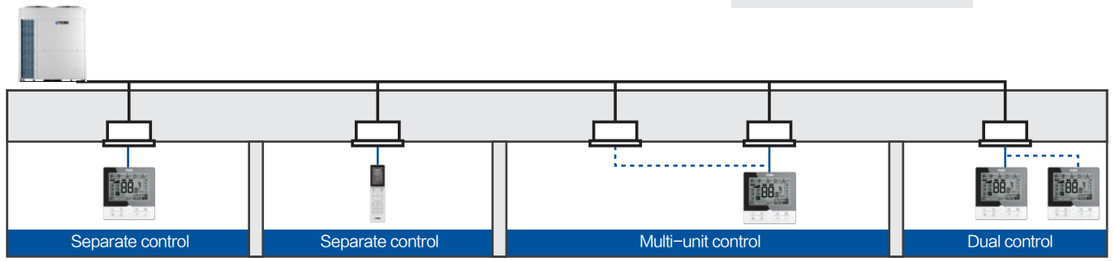
Wired Controller

JCWC10NEWQ

- Fan Speed Setting (6 taps)
- Mode Button
  - Cooling Mode
  - Dry Mode
  - Heating Mode
  - Fan Mode
  - Auto Mode
- Timing on/off
- Individual louver control
  - Louver Angle Switch
  - 3D air flow control

JCRD10NEWQ

- Mode Button
  - Cooling Mode
  - Dry Mode
  - Heating Mode
  - Fan Mode
  - Auto Mode
- Louver Angle Switch
- Fan Speed Setting (6 taps)
- Individual louver control
- Timing on/off
- Operation Mode
  - Sleep Mode
  - ECO Mode
  - Quiet Mode
  - Self Mode



Note: Up to 16 indoor units can be controlled.

Receiver Kit for Wireless Control–Optional

JR4A12NEWQ

4–Way Cassette

JRMA10NEWQ

Mini 4–Way Cassette

JR4A14NEWQ

Round–Way Cassette

JR1A10NEWQ

1–Way Cassette

JRDB10NEWQ

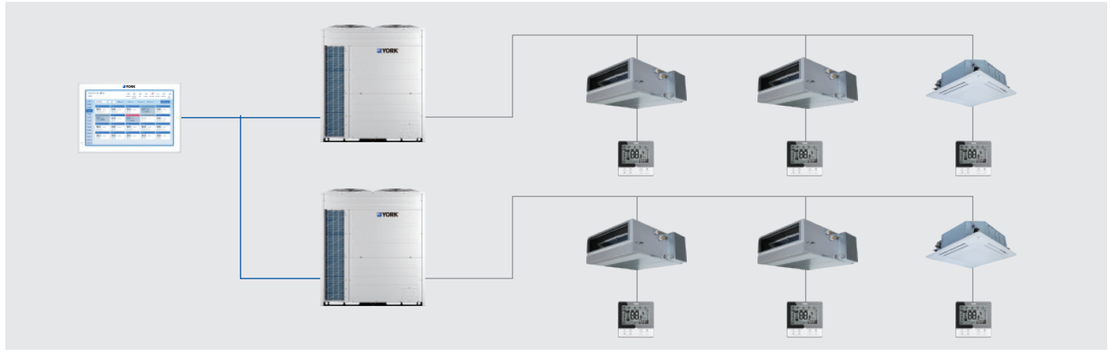
High ESP Ducted

Type		Wired Controller	Wireless Controller
Model		JCWC10NEWQ	JCRD10NEWQ
Picture			
Compatible Indoor Unit	4–Way Cassette	●	●
	Mini 4–Way Cassette	●	●
	Round–Way Cassette	●	●
	1–Way Cassette	●	●
	2–Way Cassette	●	×
	High ESP Ducted	●	●
	Medium ESP Ducted	●	●
	Low ESP Ducted	●	●
	Ceiling Ducted (DC High Static Pressure)	●	●
	Compact Ducted (DC)	●	●
	Compact Ducted (AC)	●	●
	Wall Mounted	●	●
	Floor Ceiling	●	●
	Fresh Air Unit	●	×
	AHU Kit	●	×

Centralized Control

Central Station Smart

Model	JCCB101EWQ
Power Supply	AC, 100–240V, 50/60HZ
Max. Number of Connectable Indoor Units	160
Dimension (H × W × D)	170mm × 252mm × 37mm

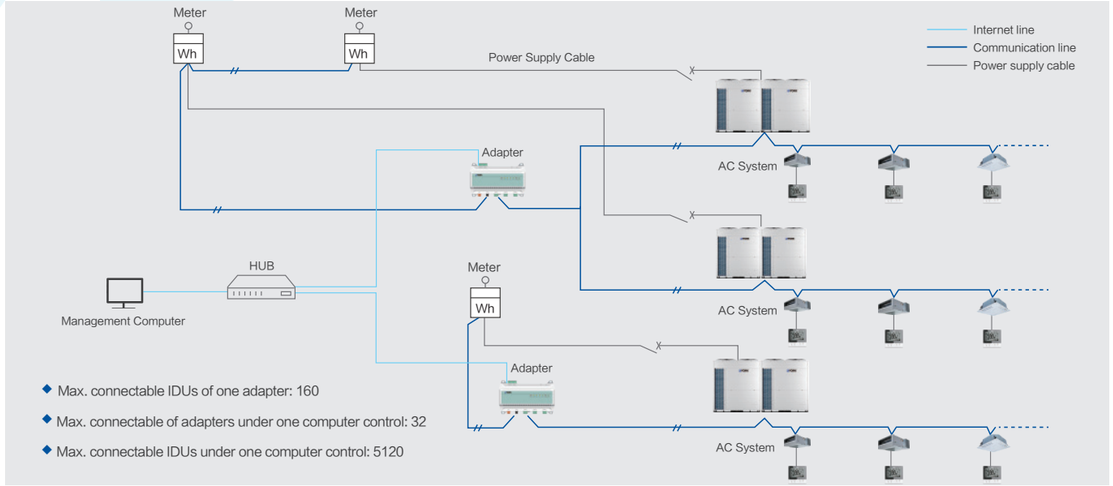


Type		IndividualControl		CentralizedControl
Model		JCWC10NEWQ	JCRD10NEWQ	JCCB101EWQ
Picture				
Main Function	Max. connectableindoor units	16	—	160
	Cool/heat/auto	●	●	●
	Fan speed	●	●	●
	Louver setting	●	●	●
	Temperature setting	●	●	●
	24–hour timer	×	×	●
	7–day timer	×	×	●
	Holiday setting	×	×	●
	Main–sub control	●	×	●
	Check function	●	×	●
	Air filtercleaning reminding	●	×	●
	Test run	●	●	●
	Error code history display	×	×	●
	Self diagnostic function	●	×	●
	Built–in temperature sensor	●	×	●
	Independent louver control	●	●	●
	Breeze mode	●	●	●
	ECO mode (energy saving)	●	●	●
	Quiet mode	●	●	●
	Sleep mode	●	●	●
	3D–air flow	●	×	●

Intelligent Control

Central Station adapter

Model	JCAA104EWQ
Power Supply	DC,12V
Max. Number of Connectable Indoor Units	160
Dimension (H × W × D)	118 × 115.4 × 64.5mm



- Max. connectable IDUs of one adapter: 160
- Max. connectable of adapters under one computer control: 32
- Max. connectable IDUs under one computer control: 5120

Type		Intelligent Control
		Central Station adapter
Model		JCAA104EWQ
Picture		
Main Function	Power supply	DC,12V
	ON/oFF	●
	Remote control available	●
	Multilevel user management	●
	AC control	●
	AC locked control	●
	Running according to timer	●
	Malfunction history check	●
	Running record display	●
	Data synchronize	●
	Supporting for external I/O	●
	2D navigation	●
	Electricity consumption allocation	●
	Standard with Modbus RTU port	●
	Overall energy consumption curve of the building	●
	Outdoor unit status check	●
	Power meter value check	●
	Refrigerant system and power meter configuration	●
	Indoor unit information setting	●
	Max. quantity of connected indoor unit –gateway	160
	Max. quantity of connected outdoor unit–gateway	64
	Max. quantity of gateway–gateway	32
	Max. quantity of connected indoor unit –system	5120
	Max. quantity of connected outdoor unit–system	2048
	Max. quantity of power meter–gateway	64
	Dimention(H*W*D)	180*115.4*64.5mm

BACnet adapter

Model	JBAB105EWQ	JBAC105EWQ
Power Supply	DC, 24V	DC, 24V
Max. Number of Connectable Indoor Units	16	64
Dimension (H × W × D)	56 × 88 × 90mm	56 × 88 × 90mm

Modbus adapter

Model	JMAB104EWQ
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	64
Dimension (H × W × D)	70 × 204 × 240mm

Mini Modbus adapter

Model	JMAC104EWQ
Power Supply	DC,12V
Max. Number of Connectable Indoor Units	32
Dimension (H × W × D)	74 × 100 × 27mm

Type		Intelligent Control			
		BACnet adapter		Modbus adapter	Mini Modbus adapter
Model		JBAB105EWQ	JBAC105EWQ	JMAB104EWQ	JMAC104EWQ
Picture					
Main Function	Power supply	DC,24V	DC,24V	DC,12V	DC,12V
	On/off setting	●	●	●	●
	Operation mode setting	●	●	●	●
	Temperature setting (1℃)	●	●	●	●
	Fan speed setting	●	●	×	●
	Louver unified control	●	●	●	●
	Alarm reminder	×	×	●	●
	Filter reminder	●	●	●	●
	All units on–off control	●	●	●	●
	Remote control forbidden	●	●	●	●
	Outdoor temperation	●	●	●	●
	Language	English	English	English	English
	Max. connectable indoor units	16	64	64	32
	Dimention(H*W*D)	56*88*90mm	56*88*90mm	70*204*240mm	74*100*27mm

Accessories

Motion Sensor

Model	Applicable Models
JMMA10NEWQ	Mini 4-Way Cassette
JM4A10NEWQ	4-Way Cassette
JMRA10NEWQ	Round-Way Cassette
SOR-NECSQ (Independent)	All types of IDUs

Humidity Sensor

Model	Applicable Models
SOR-NEHQ	Round way Cassette, Mini 4-way Cassette, Compact Ducted (AC/DC), Ducted (AC/DC), 1-way Cassette

Filter

Model	Applicable Models
JKW-PP5Q	Compact Ducted (DC): JDDN040H0PSDQ / Compact Ducted (AC): JDDN040H0PNBQ
JKW-PP6Q	Compact Ducted (DC): JDDN050~071H0PSDQ / Compact Ducted (AC): JDDN050~071H0PNBQ
JKW-PP12Q	Compact Ducted (DC): JDDN022~036H0PSDQ / Compact Ducted (AC): JDDN022~036H0PNBQ
JKW-PP7Q	Medium ESP Ducted: JDDM022~040H0NNBQ / Low ESP Ducted: JDDL022~040H0NNBQ
JKW-PP8Q	Medium ESP Ducted: JDDM050~071H0NNBQ / Low ESP Ducted: JDDL050~071H0NNBQ
JKW-PP9Q	High ESP Ducted: JDDH080~112H0NNBQ / Low ESP Ducted: JDDL080~112H0NNBQ
JKW-PP10Q	High ESP Ducted: JDDH140~160H0NNBQ / Low ESP Ducted: JDDL140~160H0NNBQ
JKW-PP13Q	Ceiling Ducted (DC High Static Pressure): JDCH022~160H0NKAQ
JKW-PP14Q	Ceiling Ducted (DC High Static Pressure): JDDH224~280H0NSBQ

Drain Pump

Model	Applicable Models
JDUPI-131Q	Medium ESP Ducted: JDDM022~071H0NNBQ / Low ESP Ducted: JDDL022~071H0NNBQ Ceiling Ducted (DC High Static Pressure): JDCH022~056H0NKAQ
JDUPI-361Q	High ESP Ducted: JDDH080~160H0NNBQ / Low ESP Ducted: JDDL080~160H0NNBQ Ceiling Ducted (DC High Static Pressure): JDCH071~160H0NKAQ
JDUPI-15H2Q (External)	All types of IDUs

Piping Connection Kit

Manifold Pipe (For ODU)

For JVOH Series

Outdoor Unit	JVOH300~440 VPETCQ	JVOH460~560 VPETCQ	JVOH580~660 VPETCQ	JVOH680~720 VPETCQ	JVOH740~840 VPETCQ	JVOH860~920 VPETCQ	JVOH940~1120 VPETCQ
Manifold Pipe1	JM-30SNQ	JM-46SNQ	JM-46SNQ	JM-68SNQ	JM-68SNQ	JM-68SNQ	JM-68SNQ
Manifold Pipe2	—	—	JM-30SNQ	JM-30SNQ	JM-46SNQ	JM-46SNQ	JM-46SNQ
Manifold Pipe3	—	—	—	—	—	JM-30SNQ	JM-46SNQ

For JTOH Series

Outdoor Unit	JTOH220~240 VPETCQ	JTOH260~400 VPETCQ	JTOH420~440 VPETCQ	JTOH460~600 VPETCQ	JTOH620~660 VPETCQ	JTOH680~800 VPETCQ
Manifold Pipe1	JM-30SNQ	JM-46SNQ	JM-30SNQ	JM-46SNQ	JM-46SNQ	JM-68SNQ
Manifold Pipe2	JM-20SNQ	JM-30SNQ	JM-30SNQ	JM-30SNQ	JM-30SNQ	JM-30SNQ
Manifold Pipe3	—	—	—	—	JM-30SNQ	JM-30SNQ

Branch Pipe (For IDU)

First Branch Pipe

For JVOH/JTOH Series

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 44	46 to 66	68 to 112
Branch Pipe	JE-102SN	JE-162SN	JE-242SN	JE-302SN	JE-462SN	JE-682SN

First Branch Pipe~Last Branch Pipe

For JVOH/JTOH Series

Total Indoor Unit HP	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99
Gas(mm)	15.88	19.05	22.2	25.4	28.6	28.6
Liquid(mm)	9.53	9.53	9.53	12.7	12.7	15.88
Branch Pipe	JE-102SN	JE-102SN	JE-102SN	JE-162SN	JE-162SN	JE-242SN

Total Indoor Unit HP	26 to 33.99	34 to 45.99	46 to 58.99	59 to 68.99	Over 69
Gas(mm)	31.75	38.1	41.3	44.5	50.8
Liquid(mm)	19.05	19.05	22.2	22.2	25.4
Branch Pipe	JE-302SN	JE-302SN	JE-462SN	JE-462SN	JE-682SN