

YORK AIR-CONDITIONING PRODUCTS

Residential & VRF 2013



At Johnson Controls, we look at buildings in a way very few others have ever imagined. When we look at a building, we see beyond the bricks and mortar. Beyond the steel and glass. We see a bigger picture. We see the power of the human enterprise.

That's why we create buildings and environments that help people achieve – and that give buildings, businesses and people every opportunity to reach their full potential.



Residential & VRF Air-conditioning solutions

Every market is unique in air-conditioning requirements. In this catalogue our customers will be able to select the different options for residential market and VRF solutions for Light-Commercial market.

Johnson Controls wants to offer all the possible solutions for different building design and technical requirements, and the air-conditioning is an important part of those global solutions.



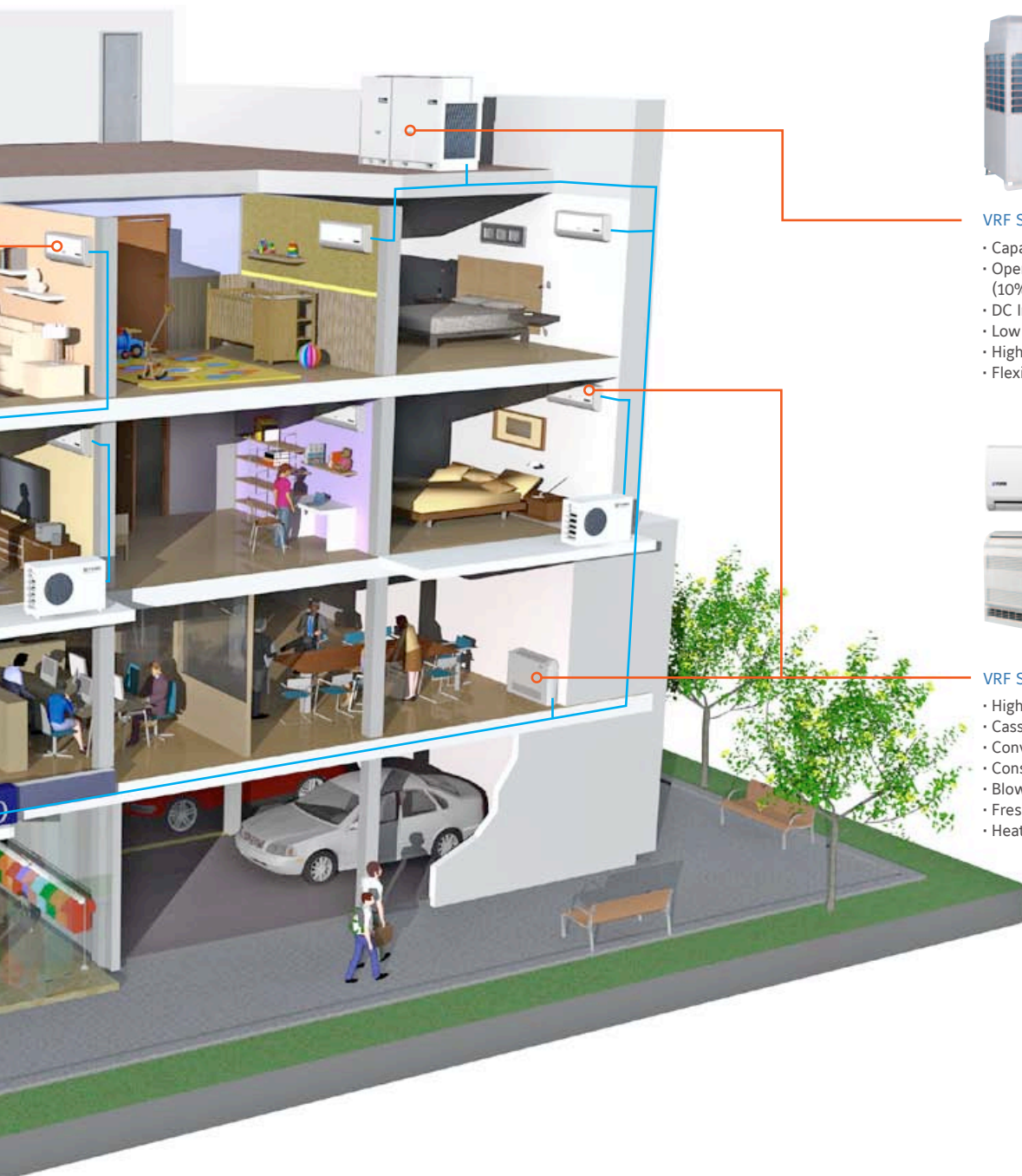
MINISPLIT SOLUTIONS

- High Wall inverter
- Multisplit inverter
- Floor/ceiling inverter
- Cassette inverter
- Blower inverter
- High Wall on/off
- High Wall multisplit on/off
- Floor/ceiling on/off
- Cassette on/off
- Blower on/off
- Window unit



The majority of our products are already rated as Class A for Energy Efficiency, in order to guarantee a high level of comfort.

According to the market necessities our customers can find the best solution in our wide product range depending on the building characteristics.



VRF SOLUTIONS (Outdoor units)

- Capacities from 9 to 135 kW
- Operating range of nominal power (10% - 130 %)
- DC Inverter Scroll Technology
- Low noise levels
- High performance
- Flexible and quickly installation



VRF SOLUTIONS (Indoor units)

- High Wall
- Cassette
- Convertible console floor/ceiling
- Console
- Blower
- Fresh air
- Heat recovery

Catalogue Content

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Split Systems

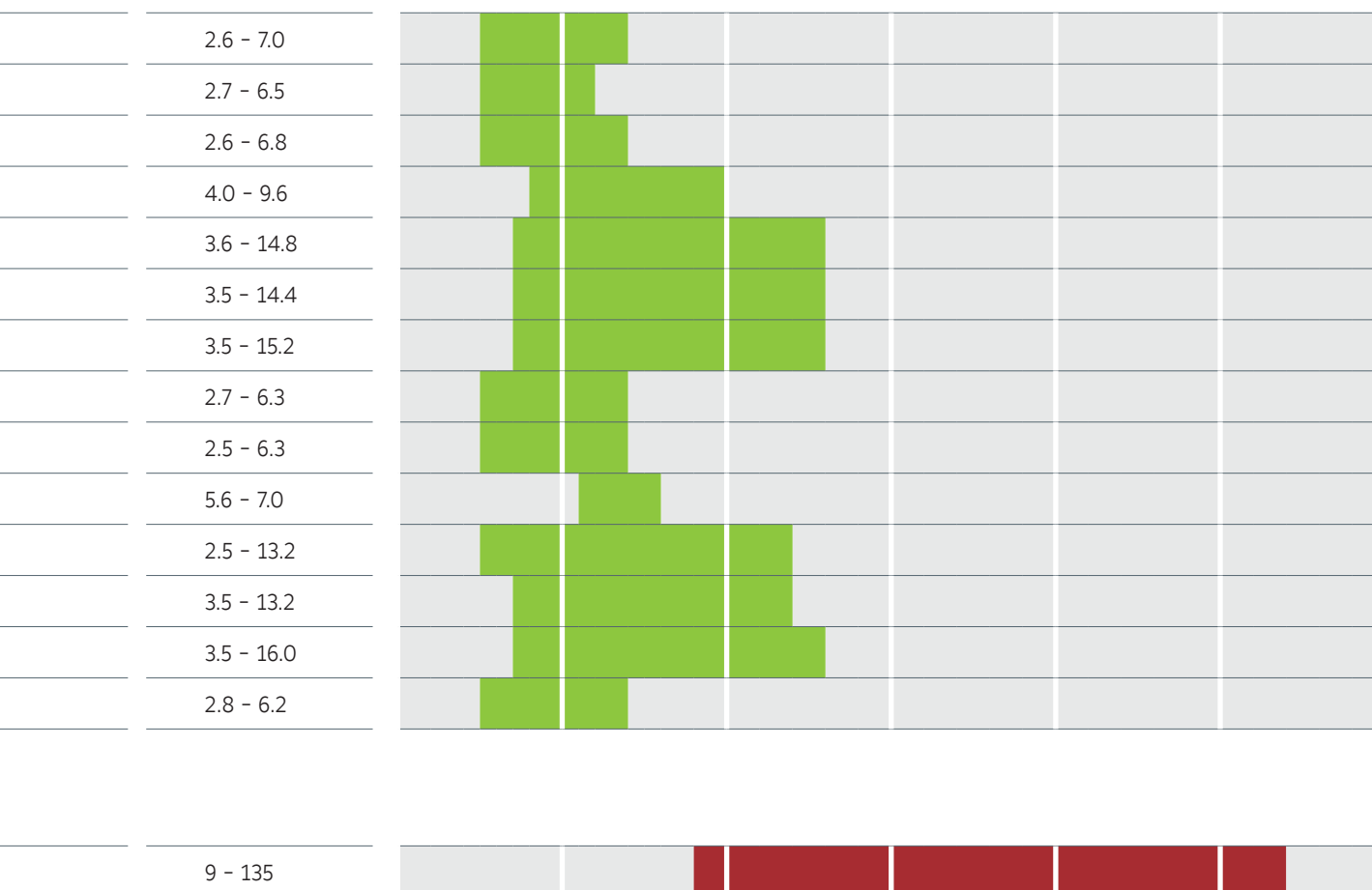
High wall High Efficiency Inverter - NEW	YWHJZH 09 to 24	20
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Amazon Standard Ambient VRF System	YV2V 010 to 135	56
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Cooling capacity kW

1.0 5.0 10.0 20.0 50.0 100.0 200.0



YORK AIR-CONDITIONING PRODUCTS



Minisplit Inverter Systems

HIGH WALL UNITS

MULTISPLITS FREE COMBINATION

FLOOR/CEILING, CASSETTE & BLOWER UNITS





efficient comfort

HIGH EFFICIENCY INVERTER RANGE

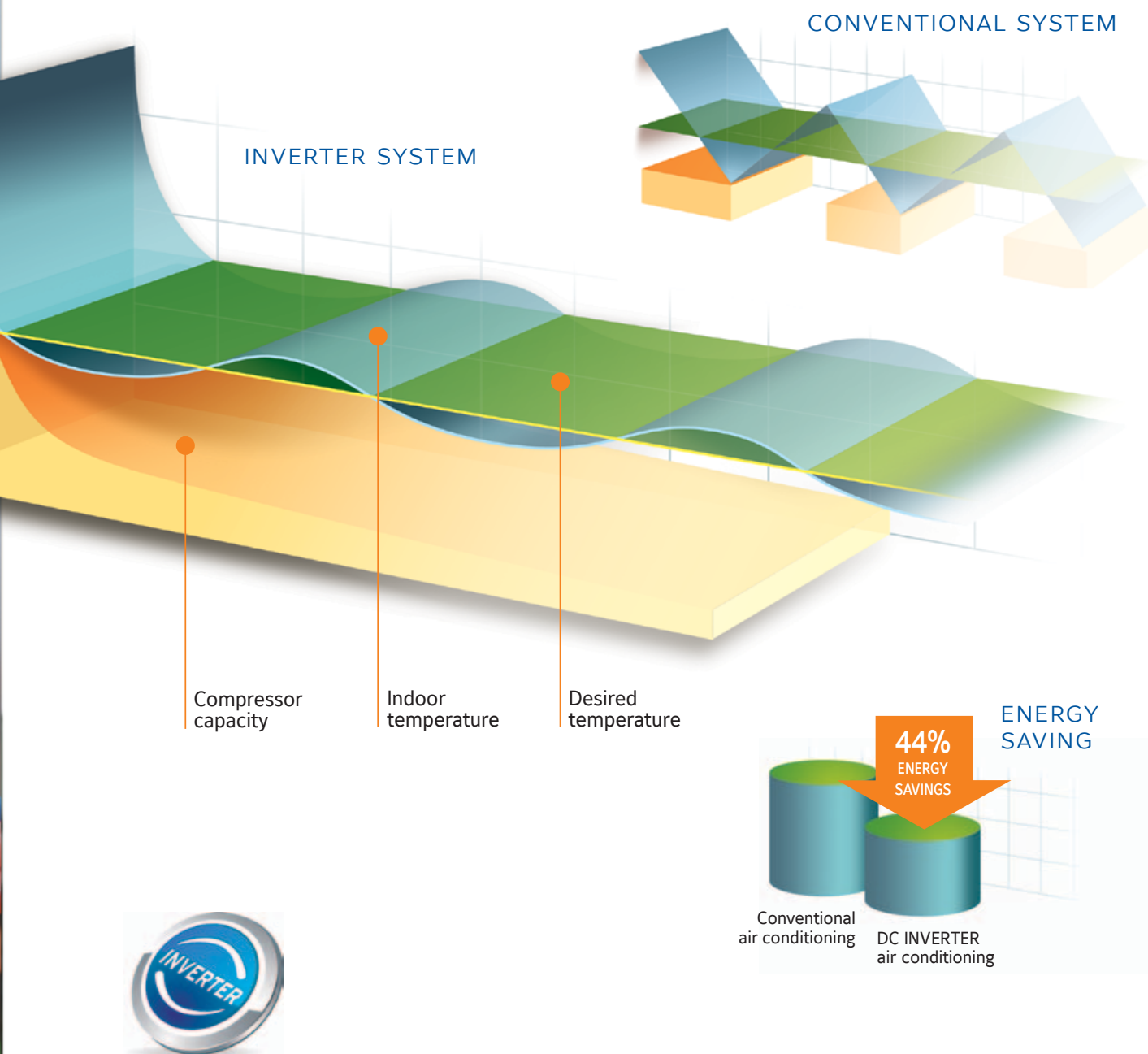
The High Wall inverter air conditioners have been designed thinking about comfort and sustainability. Comfort as the ultimate technology of DC Inverter compressor installed in these units is able to achieve high performances in heating and cooling mode, the temperature variations in the room are minimized and the noise level is lower. The active carbon electrostatic filter improves the air quality and thanks to the motorized louver system, the air is distributed equally in the room.

Sustainable because the high efficiency of the unit results in a very low energy consumption, one of the most efficient in the market, the materials used are recyclable and free of hazardous substances, all together makes this unit the appropriate choice for conditioning your home.



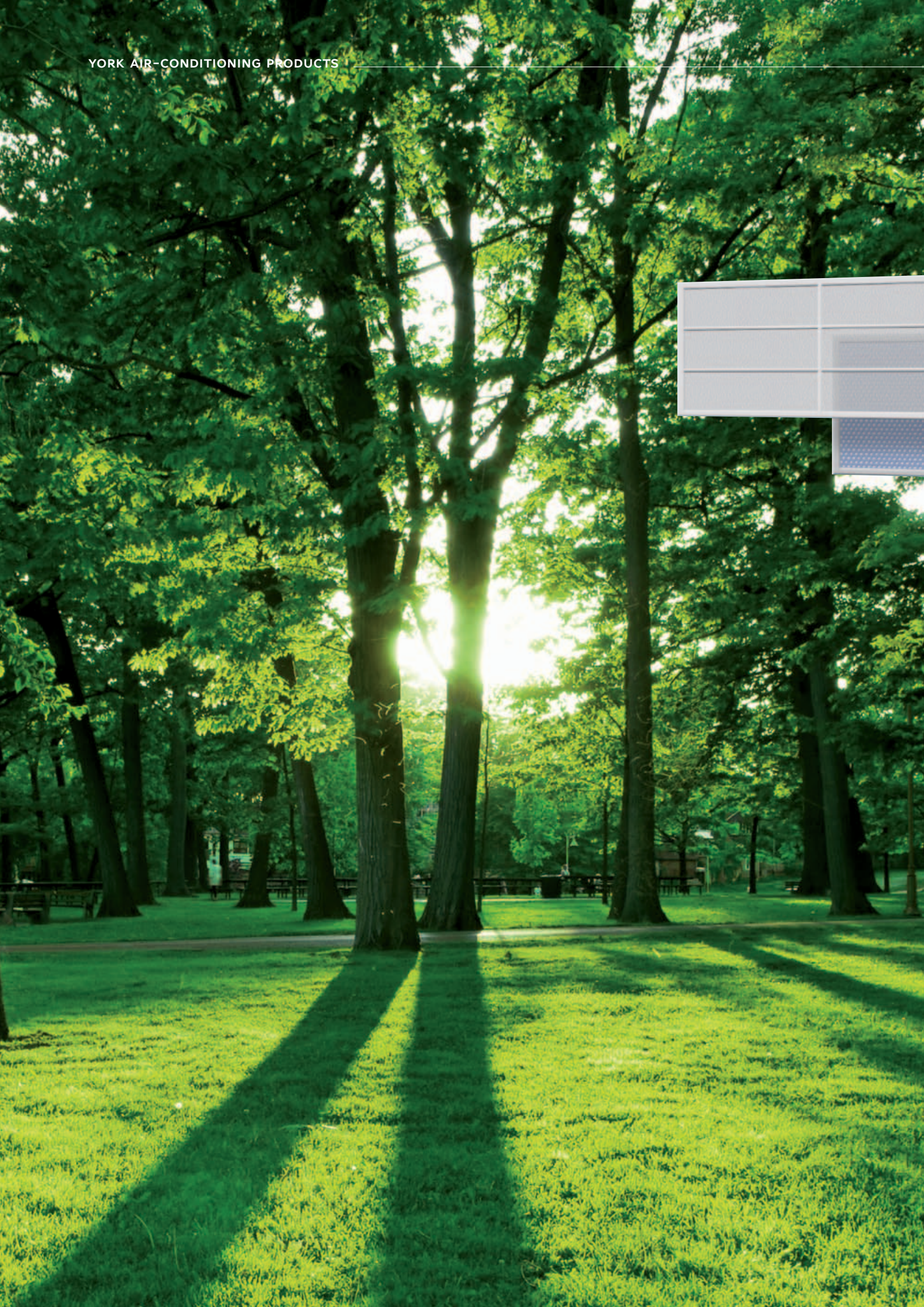


INVERTER SYSTEM HIGHER EFFICIENCY AND COMFORT

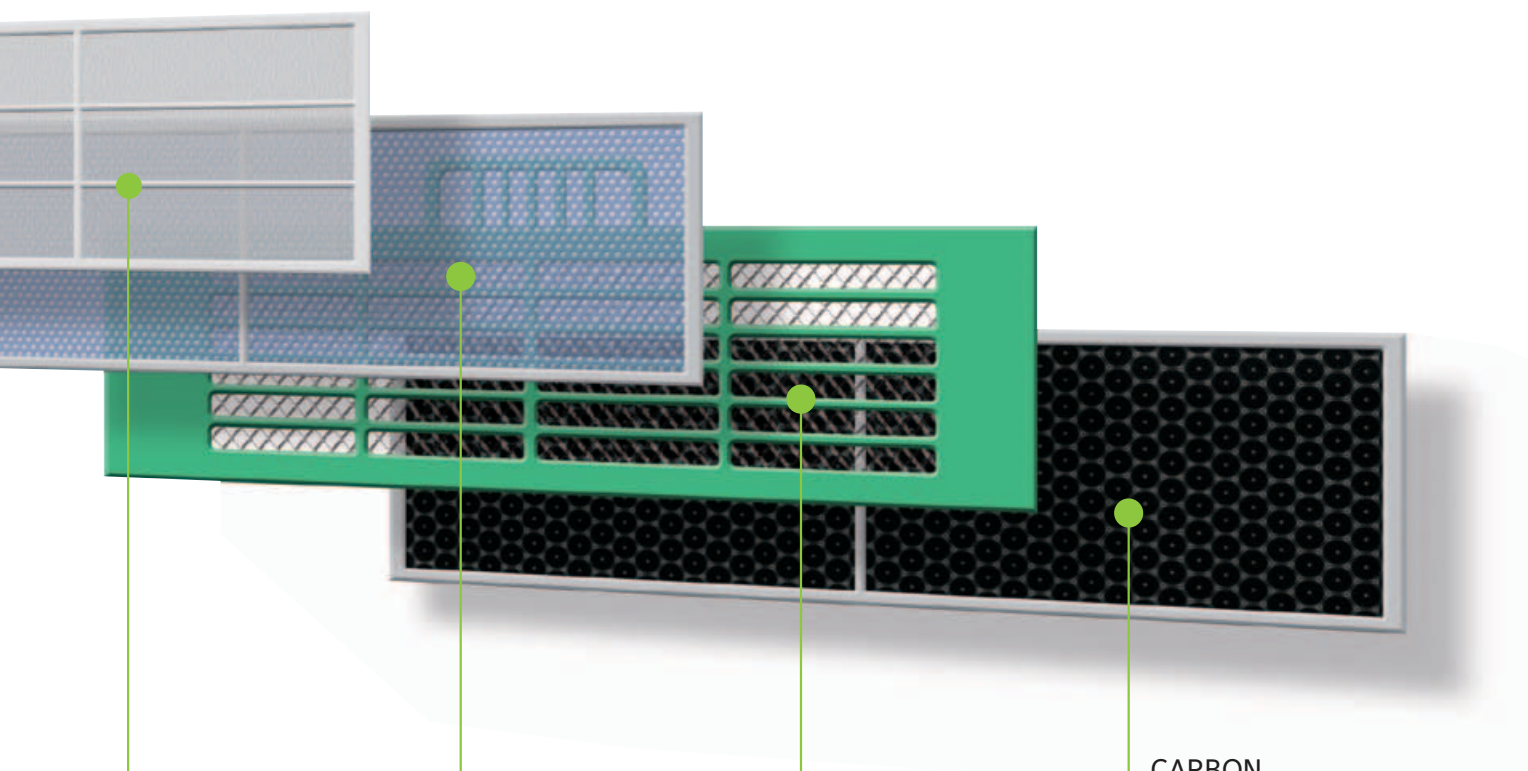


DC Inverter technology regulates the frequency of the compressor which results in many advantages:

- Energy saving by avoiding consumption peaks of the compressor compared to an on-off system. Inverter compressors reduce the frequency and therefore increase the efficiency.
- The variations of the temperature in the room are reduced improving the comfort.
- The setting temperature is achieved faster thanks to the flexibility of the system which allows reaching even 30% more of the nominal capacity.
- The overall performance is more uniform and silent.



FILTER OPTIONS FOR A CLEAN AND HEALTHY AIR



STANDARD FILTER

These filters prevent the bigger dust particles to enter the room by creating a barrier against dirtiness and insects.

SILVER ION FILTER

The Silver ion filter kills bacteria in the air and controls the growth of microbes, such as bacteria, virus, fungi, and spores, by destroying their inner configuration and absorbing the cells elements.

PLASMA FILTER

The Plasma Dust Collector can generate an ionization zone. The air is converted to plasma as it passes the high voltage ion generator. 95% of the dust, smoke and pollen particles are attracted to the electrostatic filter.

CARBON ELECTROSTATIC FILTER

Active Carbon Filter eliminates certain kinds of odors such as ammonia (NH₃) and deactivates harmful chemical gas such as formaldehyde (HCHO).



DRY MOULD PROOF

Turn off the unit that contains this function when it is cooling or drying, indoor fan would still operate in low speed to dry the inner components and parts. This action can remain unit inside clean and dry, prevent mould growing and odor.

Range Capacities

2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0



High Wall
High Efficien.
Inverter
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High Wall
Inverter
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High Wall
Inverter
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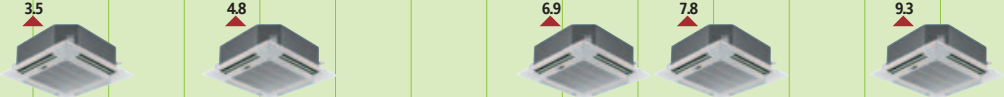
Multi
Inverter
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Floor
Ceiling
Inverter
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Cassette
Inverter
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Blower
Inverter
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High Wall
On/Off
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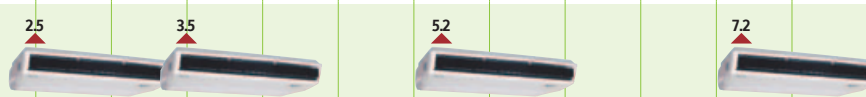
High Wall
On/Off
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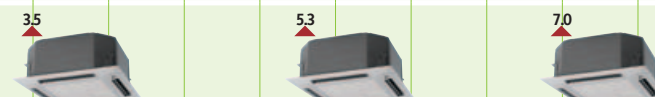
High Wall
Multi Split
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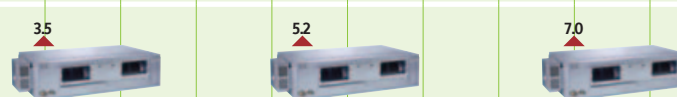
Floor
Ceiling
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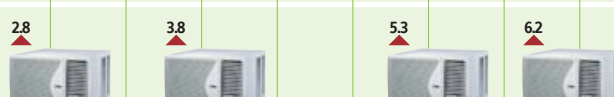
Cassette
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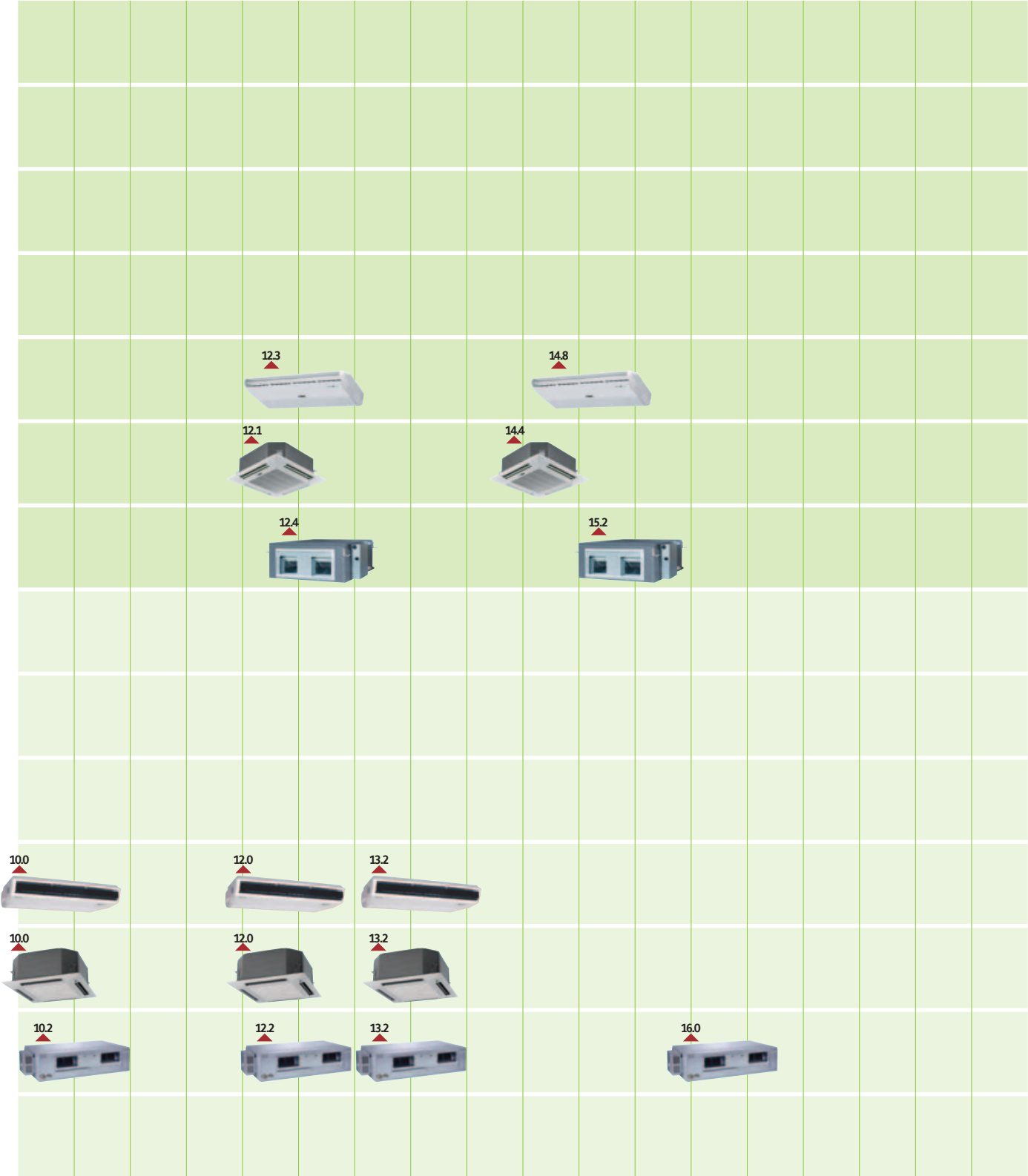
Blower
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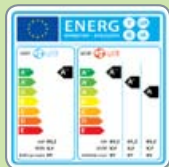
Window
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10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 **kW**

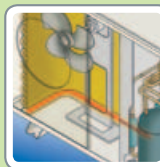


Main Features



EU Energy Label A Class

With the powerful compressor and optimized refrigerant, the SEER can reach EU Energy Label A Class (over 5.1 w/w) or B Class (over 4.6 w/w), greatly reducing the power consumption.



Heater Cable

Heater cable prevents ice forming on the outdoor unit. Specially indicated in heat pump mode and low ambient temperature conditions. A thermostat regulates the activation of the heater.



Auto-Restart Function

When the power supply is interrupted and then restored, the air conditioners automatically restore the previous function setting.



Turbo Mode

Press the Turbo button and the A/C will reach the preset temperature in the shortest time.



Two-direction Air Vane Tech

With special structural design and microcomputer control, York air conditioners employ a unique bi-directional rotary air vane technology.



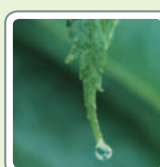
Condensate pump

Made up of a pump and a remote detection unit. The pump absorbs the condensates from the indoor unit and sends it to the draining pipes.



Low Ambient Kit

The air conditioning unit can operate in cooling mode at low ambient temperature conditions. The kit is suitable for special applications such as computer and power station control rooms where cooling is required even in the winter months.



Dehumidification

Independent dehumidification function is usually used in rainy days in springtime or damp areas. The unit will alternately operate in cooling mode or fan only mode, which assures strong dehumidification while not lowering room temperature.



Sleep Mode

With Sleep Mode, the air conditioner's set temperature will automatically increase (cooling) or decrease (heating) 1°C per hour for the first two hours then hold steady for the next 5 hours after which the air conditioner will stop operation. With the sleep mode function can maintain the most comfortable temperature and save energy.



Bio Filter

Bio Filter consists of a specialized biological enzyme and Eco Filter. The Eco Filter catches very small airborne dust particles and neutralizes bacteria, fungi and microbes. Biological enzyme eliminates bacteria by dissolving their cell wall thus eliminating the problem of re-pollution seen in traditional air conditioners.

Main Features



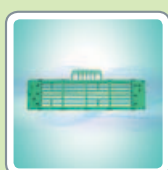
Active Carbon Electrostatic Filter

Active Carbon Filter eliminates certain kinds of odors such as ammonia (NH₃) and deactivates harmful chemical gas such as formaldehyde (HCHO). By forming positive positions on the filter surface, Electrostatic Fiber Filter traps small dust particles, smoke and pet fur to prevent allergic reactions.



Ionizer

Ionizer brings refreshing air into the home. Anions can stimulate the blood circulation system, improve lung function and effectively prevent respiratory passage illnesses (such as asthma and pneumonia).



Plasma Filter

The Plasma Dust Collector can generate an ionization zone. The air is converted to plasma as it passes the high voltage ion generator. 95% of the dust, smoke and pollen particles are attracted to the electrostatic filter.



Valve Protection Cover

It protects the service valves and prevents water from dripping.



Anti-Rust Cabinet

Made from electrolytic zinc steel sheet and anti-rust coated components. York's outdoor units are rust free even in coastal regions.

Iconography



Infrared control



Wired control



Infrared or Wired control



Dry mode



Sleep mode



Timer



Auto Sweep



Auto Restart



Turbo mode



Thin profile



Quiet



4 Way Air Flow



Floor/Ceiling



Ducted Installation



Air Filter



Low Ambient Kit

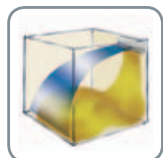
High Wall High Efficiency Inverter

YWHJZH 09 to 24

A complete range from 2.6 kW to 7.0 kW



Estimated availability mid March'13



Features

- DC Inverter compressor
- Low noise levels
- Ultra high SEER & SCOP, class A++
- Multi louvers design for faster heating
- 1W standby
- Quiet design with low noise
- 8°C heating
- 3 sleep modes/curves
- Intelligent defrosting
- LED display
- Overlong distance air flow
- Blue crystal fin evaporator
- 7 fan speeds with turbo cooling
- 3D-airflow with auto horizontal airflow (Left/Right)
- Low Ambient Kit
- Heater cable
- Gold fin condenser
- Service valve protection cover



Remote controller

- Wireless
- I FEEL function
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- 5 Fan speeds selection
- Quiet/sleep button
- Air flow direction setting
- LCD display
- Turbo mode
- Room temperature setting
- Lock Button Function



High Wall High Efficiency Inverter

YWHJZH 09 to 24



Technical features (preliminary data)

Set reference			YWHJZH			
Indoor unit		Sizes	YWHJXH-09	YWHJXH-12	YWHJXH-18	YWHJXH-24
Outdoor unit		Sizes	YWHJYH-09	YWHJYH-12	YWHJYH-18	YWHJYH-24
Cooling capacity		kW	2.6 (0.7 - 3.8)	3.5 (0.7 - 4.5)	5.3 (0.8 - 6.7)	7.0 (1.3 - 8.7)
Heating capacity		kW	2.8 (0.7 - 4.0)	3.7 (0.7 - 5.5)	5.3 (1.0 - 7.3)	7.0 (1.2 - 10.0)
Compressor		Type	Rotary			
Refrigerant			R410A			
Power supply		V/Ph/Hz	230 / 1 / 50 + E			
Power input	cooling	kW	0.65	0.88	1.55	2.00
	heating	kW	0.78	0.95	1.55	2.00
EER			4.05	4.00	3.40	3.52
SEER			7.0	7.2	6.11	6.11
COP			3.56	3.40	3.40	3.52
SCOP			4.6	4.0	3.81	3.81
Energy Class	cooling		A++	A++	A++	A++
	heating		A++	A+	A	A
Indoor airflow		m³/h	550	740	950	1 200
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	25 / 32 / 38	26 / 33 / 39	36 / 42 / 47	39 / 45 / 50
	Outdoor	dB(A)	53	53	55	60
Dimensions	Indoor	H (mm)	292	292	319	326
		W (mm)	806	966	1 018	1 178
		D (mm)	209	209	230	264
	Outdoor	H (mm)	596	596	700	790
		W (mm)	899	899	955	980
		D (mm)	378	378	396	427
Net weight	Indoor unit	kg	11	11	15	18
	Outdoor unit	kg	43	43	50	68
Type of connection			Flare			
Piping	Diameter	Gas	3/8"	1/2"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"
Refrigerant charge		g	740	1 000	1 160	1 700
Pipe run	Length	m	15	20	25	25
	Height	m	10	10	10	10
Operating limit - cooling mode		min./max.	-15°C / +48°C			
Operating limit - heating mode		min./max.	-20°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

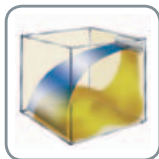
Accessories

Sizes	09	12	18	24
Electrostatic dedusting filter	Optional			
Silver ion filter	Optional			
Active carbon filter	Optional			

High Wall Inverter

YEJZH 09 to 24

A complete range from 2.7 kW to 6.5 kW



Features

- High SEER & SCOP, Class A+
- DC Inverter compressor
- Low noise levels
- Dry mould proof
- Automatic restart
- ON/OFF timer
- Automatic air sweep
- Service valve protection cover
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer setting function
- Air flow direction setting
- LCD display
- Turbo mode
- Lock button function



High Wall Inverter

YEJZH 09 to 24



Technical features

Set reference			YEJZH			
Indoor unit	Sizes		YEJXH-09	YEJXH-12	YEJXH-18	YEJXH-24
Outdoor unit	Sizes		YEJYH-09	YEJYH-12	YEJYH-18	YEJYH-24
Cooling capacity	kW		2.7 (0.5 - 3.2)	3.5 (0.5 - 3.9)	5.3 (1.3 - 6.6)	6.5 (2.5 - 6.6)
Heating capacity	kW		2.8 (0.8 - 3.6)	4.0 (0.9 - 4.4)	5.8 (1.1 - 6.8)	7.0 (2.5 - 7.6)
Compressor	Type		Rotary			
Refrigerant			R410A			
Power supply	V/Ph/Hz		230 / 1 / 50 + E			
Power input	cooling	kW	0.87	1.17	1.62	2.18
	heating	kW	0.90	1.20	1.76	2.22
EER			3.10	3.00	3.25	2.96
SEER			5.6	6.1	5.6	5.1
COP			3.11	3.33	3.30	3.15
SCOP			3.8	3.8	3.8	3.8
Energy Class	cooling		A+	A++	A+	A
	heating		A	A	A	A
Indoor airflow (high speed)	m³/h		500	500	780	800
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	28 / 34 / 39	36 / 39 / 42	35 / 40 / 43	39 / 42 / 47
	Outdoor	dB(A)	53	54	55	58
Dimensions	Indoor	H (mm)	275	275	298	315
		W (mm)	845	845	940	1 007
		D (mm)	180	180	200	219
	Outdoor	H (mm)	540	540	700	790
		W (mm)	776	776	955	980
		D (mm)	320	320	396	427
Net weight	Indoor unit	kg	10	10	13	14
	Outdoor unit	kg	28	29	45	60
Piping	Type of connection		Flare			
	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"
Refrigerant charge		g	700	850	1 300	1 800
Pipe run	Length	m	15	15	25	25
	Height	m	10	10	10	10
Operating limit - cooling mode	min./max.		+18°C / +50°C			
Operating limit - heating mode	min./max.		-15°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

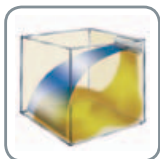
Accessories

Sizes	09	12	18	24
Electrostatic dedusting filter			Optional	
Silver ion filter			Optional	
Cold Plasma filter			Optional	
Active carbon filter			Optional	

High Wall Inverter

YJHJZH 09 to 24

A complete range from 2.6 kW to 6.8 kW



Features

- High SEER & SCOP, Class A
- DC Inverter compressor
- Low noise levels
- Dry mould proof
- Automatic restart
- Automatic air sweep
- Sleep mode function
- Self-diagnosis
- Easy maintenance
- Service valve protection cover
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- On/Off timer
- Turbo cool/heat settings
- Fan speed selection
- Air flow direction setting
- LED display
- Lock button



High Wall Inverter

YJHJZH 09 to 24



Technical features

Set reference			YJHJZH			
Indoor unit	Sizes		YJHJXH-09	YJHJXH-12	YJHJXH-18	YJHJXH-24
Outdoor unit	Sizes		YJHJYH-09	YJHJYH-12	YJHJYH-18	YJHJYH-24
Cooling capacity	kW		2.6 (0.8~3.0)	3.5 (1.0~3.8)	5.1 (1.5~5.5)	6.8 (2.2~7.0)
Heating capacity	kW		2.8 (1.0~3.3)	3.7 (1.4~4.0)	5.1 (1.6~6.0)	7.0 (2.3~7.3)
Compressor	Type		Rotary			
Refrigerant			R410A			
Power supply	V/Ph/Hz		230 / 1 / 50 + E			
Power input	cooling	kW	0.81	1.09	1.59	2.13
	heating	kW	0.78	1.03	1.42	2.19
EER			3.21	3.21	3.21	3.20
SEER			5.10	5.10	5.10	5.10
COP			3.59	3.59	3.59	3.20
SCOP			3.40	3.40	3.40	3.40
Energy Class	cooling		A	A	A	A
	heating		A	A	A	A
Indoor airflow	m³/h		400	450	700	1 000
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	30 / 35 / 40	31 / 35 / 41	35 / 39 / 42	36 / 39 / 44
	Outdoor	dB(A)	49	50	51	55
Dimensions	Indoor	H (mm)	187	187	191	239
		W (mm)	795	795	938	1 046
		D (mm)	265	265	265	299
	Outdoor	H (mm)	540	540	640	730
		W (mm)	780	780	780	860
		D (mm)	245	245	245	308
Net weight	Indoor unit	kg	8.8	8.8	10.5	12
	Outdoor unit	kg	28	31.5	33	49
Piping	Type of connection		Flare			
	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"
Refrigerant charge	g		800	1 000	1 200	1 550
Pipe run	Length	m	15	15	25	25
	Height	m	5	5	15	15
Operating limit - cooling mode	min./max.		+18°C / +43°C			
Operating limit - heating mode	min./max.		-15°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Accessories

Sizes	09	12	18	24
Electrostatic dedusting filter			Optional	
Silver ion filter			Optional	
Active carbon filter			Optional	

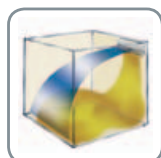
Multi Inverter Free Indoor Units

YJU_YH 14 to 34

A complete range from 4.0 kW to 9.6 kW



NEW



Features

- High SEER & SCOP, Class A or more
- DC inverter compressor
- Free match indoor/outdoor
- Automatic restart
- ON/OFF timer
- Automatic air sweep
- Valve protection cover
- Single general valve design (25K/30K/34K)
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- On/Off timer
- Turbo cool/heat settings
- Fan speed selection
- Air flow direction setting
- LED display
- Lock button

Indoor units



Multi Inverter Free Indoor Units

YJU_YH 14 to 34



Technical features Outdoor units

Model			YJU_YH					
Outdoor units		Sizes	YJU2YH014	YJU2YH018	YJU3YH019	YJU4YH025	YJU4YH030	YJU5YH034
Indoor units		number	2 indoor units	2 indoor units	3 indoor units	4 indoor units	4 indoor units	5 indoor units
Cooling capacity		kW	4.0 (1.2 ~ 4.4)	5.0 (1.3 ~ 5.7)	5.1 (1.5 ~ 7.0)	7.3 (1.5 ~ 9.0)	8.4 (1.5 ~ 9.8)	9.6 (1.5 ~ 11.0)
Heating capacity		kW	4.1 (1.5 ~ 4.9)	5.1 (1.9 ~ 6.5)	6.2 (1.8 ~ 8.1)	8.2 (1.8 ~ 9.5)	9.4 (1.8 ~ 10.5)	10.3 (1.8 ~ 11.5)
Compressor		Type (Nb)	Rotary Inverter (1)					
Refrigerant			R410A					
Location of expansion device			Outdoor unit					
Power supply		V/Ph/Hz	230 / 1 / 50 + E					
Power input	cooling	kW	1.17	1.47	1.39	2.10	2.41	2.94
	heating	kW	1.12	1.41	1.52	2.06	2.43	2.85
EER			3.40	3.40	3.67	3.46	3.49	3.25
SEER			5.1	5.1	6.2	6.2	6.2	6.2
COP			3.60	3.60	4.09	4.00	3.85	3.59
SCOP			3.4	3.4	3.8	3.8	3.8	3.8
Energy Class	cooling		A	A	A++	A++	A++	A++
	heating		A	A	A	A	A	A
Airflow (outdoor unit)		m³/h	1 900	2 900	2 000	3 500	4 000	4 000
Sound pressure level		dB(A)	62	63	52	56	56	58
Dimensions outdoor unit H / W / D		mm	540 / 780 / 270	688 / 810 / 288	688 / 886 / 289	840 / 948 / 340	840 / 948 / 340	840 / 948 / 340
Net weight outdoor unit		kg	38	43.5	51	74	76	77
Type of connection			Flare					
Piping	Diameter	Gas	3/8"	3/8"	3/8"	3 x 3/8" + 1 x 1/2"	3 x 3/8" + 1 x 1/2"	4 x 3/8" + 1 x 1/2"
		Liquid	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Max pipe run *	Length	m	30	30	50	70	70	80
	Height	m	15	15	15	15	15	15
Refrigerant charge		g	1 200	1 400	2 000	3 100	3 200	3 400
Operating limits		min/max	-15°C / +46°C					

* Each indoor unit

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge (each indoor unit)

Indoor units technical features



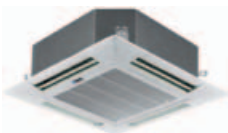
- Active carbon electrostatic filter
- Automatic air sweep

		YJHMXH				
Indoor units	Sizes	07	09	12	18	24
Cooling capacity	kW	2.0	2.6	3.5	4.9	6.8
Heating capacity	kW	2.3	2.5	3.4	5.1	7.1
Power supply	V/Ph/Hz	230 / 1 / 50 + E				
Indoor airflow	m³/h	450	450	500	700	1 100
Sound pressure level	H / M / L dB(A)	36 / 32 / 29	36 / 32 / 29	36 / 33 / 30	39 / 36 / 33	44 / 41 / 37
Dimensions	H / W / D mm	265 / 795 / 192	265 / 795 / 192	265 / 795 / 192	265 / 938 / 191	299 / 1046 / 234
Net Weight	kg	8.8	8.8	8.8	10.5	13
Piping	Type of connection	Flare				
	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"



- Floor/Ceiling
- Automatic air sweep

		YHFMXH			
Indoor units		Sizes	12	18	24
Cooling capacity		kW	3.5	5.0	6.3
Heating capacity		kW	3.9	5.5	7.1
Power supply		V/Ph/Hz	230 / 1 / 50 + E		
Indoor airflow		m³/h	650	800	800
Sound pressure level	H / M / L	dB(A)	41 / 37 / 33	44 / 41 / 36	48 / 45 / 42
Dimensions	H / W / D	mm	665 / 990 / 199	665 / 990 / 199	665 / 990 / 199
Net Weight		kg	26.3	28.3	28.3
Piping	Type of connection		Flare		
	Diameter	Gas	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	3/8"



- Condensate pump included
- Automatic air sweep

		YHKMXH				
Indoor units		Sizes	09	12	18	24
Cooling capacity		kW	2.6	3.5	5.0	6.5
Heating capacity		kW	2.9	3.7	5.2	7.1
Power supply		V/Ph/Hz	230 / 1 / 50 + E			
Indoor airflow		m³/h	620	620	680	1 300
Sound pressure level		H / M / L dB(A)	40 / 36 / 32	40 / 36 / 32	42 / 37 / 35	46 / 44 / 39
Dimensions unit		H / W / D mm	260 / 570 / 570	260 / 570 / 570	260 / 570 / 570	240 / 840 / 840
Dimensions panel		H / W / D mm	60 / 700 / 700	60 / 700 / 700	60 / 700 / 700	60 / 950 / 950
Net weight		kg	17	18.5	18.5	26.8
Type of connection		Flare				
Piping	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	3/8"



- Slim size
- Air filter included
- Wired control included

		YHDMXH				
Indoor units		Sizes	09	12	18	24
Cooling capacity		kW	2.5	3.5	5.0	6.8
Heating capacity		kW	2.9	4.0	5.5	7.1
Power supply		V/Ph/Hz	230 / 1 / 50 + E			
Indoor airflow		m³/h	550	550	850	1 200
Static pressure		Pa	25	25	25	25
Sound pressure level		H / M / L dB(A)	37 / 34 / 31	37 / 34 / 31	41 / 35 / 32	45 / 41 / 37
Dimensions		H / W / D mm	220 / 610 / 483	220 / 610 / 483	220 / 1 090 / 500	220 / 1 090 / 500
Net Weight		kg	14	14	23	24.5
Type of connection		Flare				
Piping	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	3/8"

Indoor unit combinations

YJU2YH014 (2x1)

Number connecting units	
2 x 1	
7+7	
7+9	
7+12	
9+9	
9+12	

YJU2YH018 (2x1)

Number connecting units	
2 x 1	
7+7	
7+9	
7+12	
9+9	
9+12	
12+12	

YJU3YH019 (3x1)

Number connecting units			
2 x 1		3 x 1	
7+7	9+12	7+7+7	7+9+12
7+9	9+18	7+7+9	7+12+12
7+12	12+12	7+7+12	9+9+9
7+18	12+18	7+7+18	9+9+12
9+9		7+9+9	9+12+12

YJU4YH025 (4x1)

Number connecting units					
2 x 1		3 x 1		4 x 1	
7+18	12+18	7+7+9	7+12+18	7+7+7+7	7+7+9+12
7+24	12+24	7+7+12	9+9+9	7+7+7+9	7+9+9+9
9+18	18+18	7+7+18	9+9+12	7+7+7+12	7+9+9+12
9+24	18+24	7+7+24	9+9+18	7+7+7+18	9+9+9+9
12+12		7+9+9	9+12+12	7+7+9+9	9+9+9+12
		7+9+12	12+12+12		
		7+9+18	12+12+18		
		7+12+12			

YJU4YH030 (4x1)

Number connecting units					
2 x 1		3 x 1		4 x 1	
7+24	12+24	7+7+18	9+9+18	7+7+7+7	7+9+9+9
9+18	18+18	7+7+24	9+9+24	7+7+7+9	7+9+9+12
9+24	18+24	7+9+12	9+12+12	7+7+7+12	7+9+9+18
12+18	24+24	7+9+18	9+12+18	7+7+7+18	7+9+12+12
		7+9+24	9+12+24	7+7+7+24	7+12+12+12
		7+12+12	12+12+12	7+7+9+9	9+9+9+9
		7+12+18	12+12+18	7+7+9+12	9+9+9+12
		7+12+24	12+12+24	7+7+9+18	9+9+12+12
		9+9+9	12+18+18	7+7+9+24	9+9+12+18
		9+9+12		7+7+12+12	9+12+12+12
				7+7+12+18	12+12+12+12

YJU5YH034 (5x1)

Number connecting units					
2 x 1		3 x 1		4 x 1	
7+18	7+7+12	9+9+12	7+7+7+7	7+9+9+9	7+7+7+7+7
7+24	7+7+18	9+9+18	7+7+7+9	7+9+9+12	7+7+7+7+9
9+18	7+7+24	9+9+24	7+7+7+12	7+9+9+18	7+7+7+7+12
9+24	7+9+9	9+12+12	7+7+7+18	7+9+12+12	7+7+7+9+9
12+18	7+9+12	9+12+18	7+7+7+24	7+12+12+12	7+7+7+9+12
12+24	7+9+18	9+12+24	7+7+9+9	9+9+9+9	7+7+7+12+12
18+18	7+9+24	12+12+12	7+7+9+12	9+9+9+12	7+7+9+9+9
18+24	7+12+12	12+12+18	7+7+9+18	9+9+9+18	7+7+9+9+12
24+24	7+12+18	12+12+24	7+7+9+24	9+9+12+12	7+9+9+9+9
	7+12+24	12+18+18	7+7+12+12	9+12+12+12	9+9+9+9+9
	9+9+9	18+18+18	7+7+12+18	12+12+12+12	9+9+9+9+12
					9+9+9+12+12

Floor/Ceiling Inverter

YHFJZH 12 to 60

A complete range from 3.6 kW to 14.8 kW



NEW



Features

- High SEER & SCOP, Class A or more
- Inverter DC compressor and fan motor
- Multi-speed fan motor
- Washable filter
- Fresh air intake
- Convertible - floor or ceiling
- Automatic restart
- Automatic air sweep
- Horizontal and vertical air sweep function
- Wide angle air distribution
- Slim profile - flush mounting
- Low Ambient Kit (sizes 24 to 60)
- Electrical defrosting
- Self diagnosis
- **Blue fin protection (indoor and outdoor units)**

Remote controller



- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- On/Off timer
- Turbo cool/heat settings
- Fan speed selection
- Air flow direction setting
- LED display
- Lock button



Floor/Ceiling Inverter

YHFJZH 12 to 60



Technical features

Set reference			YHFJZH						
Indoor unit		Sizes	YHFJXH 12	YHFJXH 18	YHFJXH 24	YHFJXH 28	YHFJXH 36	YHFJXH 48	YHFJXH 60
Outdoor unit		Sizes	YHUJYH 12	YHUJYH 18	YHUJYH 24	YHUJYH 28	YHUJYH 36	YHUJYH 48	YHUJYH 60
Cooling capacity		kW	3.6 (0.9~4.5)	5.0 (1.7~5.3)	6.4 (1.8~6.7)	7.8 (1.9~9.2)	9.3 (2.0~10.1)	12.3 (5.5~13.3)	14.8 (3.7~15.1)
Heating capacity		kW	4.1 (1.0~4.8)	5.6 (1.8~6.0)	7.0 (2.3~7.3)	9.0 (2.0~9.6)	10.6 (2.0~10.8)	13.8 (5.5~15.1)	15.2 (3.7~16.5)
Compressor		Type	Rotary						
Refrigerant			R410A						
Power supply		V/Ph/Hz	230 / 1 / 50					230/1/50 or 400/3/50	400 / 3 / 50
Power input	cooling	kW	1.12	1.50	2.21	2.47	2.98	3.97	5.02
	heating	kW	1.10	1.51	2.14	2.48	2.91	4.08	4.62
EER			3.22	3.33	2.89	3.15	3.11	3.09	2.95
SEER			5.3	5.6	5.2	5.7	5.6	-	-
COP			3.73	3.71	3.27	3.63	3.62	3.38	3.28
SCOP			3.8	3.6	3.6	3.8	3.8	-	-
Energy Class	cooling		A	A+	A	A+	A+	-	-
	heating		A	A	A	A	A	-	-
Indoor airflow (H/M/L)		m³/h	650 / 550 / 450	800 / 720 / 650	850 / 800 / 720	1630 / 1537 / 1375	1630 / 1537 / 1375	2000 / 1800 / 1400	2000 / 1800 / 1400
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	41 / 37 / 33	44 / 41 / 36	48 / 45 / 42	49 / 45 / 43	49 / 45 / 43	53 / 51 / 49	53 / 51 / 49
	Outdoor	dB(A)	46	50	57	58	58	58	59
Dimensions	Indoor	H (mm)	655	655	655	700	700	700	700
		W (mm)	990	990	990	1 298	1 298	1 580	1 580
		D (mm)	199	199	199	240	240	240	240
	Outdoor	H (mm)	540	688	730	840	840	830	1 250
		W (mm)	780	810	860	948	948	1 008	948
		D (mm)	245	288	308	340	340	410	340
Net weight	Indoor unit	kg	28.3	28.3	28.3	37	37	54	54
	Outdoor unit	kg	32	43	49	64	65	82	96
Type of connection			Flare						
Piping	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	3/4"	3/4"
		Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Pipe run	Length	m	15	25	25	30	30	50	50
	Height	m	10	15	15	20	20	30	30
Operating limits - cooling mode		min/max	+18°C / +43°C			-10°C / +46°C			
Operating limits - heating mode		min/max	-15°C / +24°C			-15°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Size 48: Values for single phase models

Accessories

Sizes	12	18	24	28	36	48	60
Wired control							Optional
Central control							Optional

Cassette Inverter

YHKJZH 12 to 60

A complete range from 3.5 kW to 14.4 kW



NEW



Features

- High SEER & SCOP, Class A
- Inverter DC compressor and fan motor
- Multi-speed fan motor
- Washable filter
- Fresh air intake
- Built-in drain pump
- Branch outlet
- Automatic restart
- Automatic air sweep
- Low Ambient Kit (sizes 24 to 60)
- Electrical defrosting
- Self diagnosis
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- On/Off timer
- Turbo cool/heat settings
- Fan speed selection
- Air flow direction setting
- LED display
- Lock button



Cassette Inverter

YHKJZH 12 to 60



Technical features

Set reference			YHKJZH						
Indoor unit		Sizes	YHKJXH 12	YHKJXH 18	YHKJXH 24	YHKJXH 28	YHKJXH 36	YHKJXH 48	YHKJXH 60
Outdoor unit		Sizes	YHUJYH 12	YHUJYH 18	YHUJYH 24	YHUJYH 28	YHUJYH 36	YHUJYH 48	YHUJYH 60
Cooling capacity		kW	3.5 (0.9~4.5)	4.8 (1.8~5.8)	6.9 (1.8~7.5)	7.8 (2.0~8.7)	9.3 (2.0~10.3)	12.1 (6.0~13.8)	14.4 (3.7~15.1)
Heating capacity		kW	3.6 (0.9~4.4)	5.1 (2.0~6.1)	7.3 (2.5~8.0)	8.5 (2.5~9.3)	9.4 (2.3~10.8)	12.6 (5.5~14.7)	15.4 (3.7~16.0)
Compressor		Type	Rotary						
Refrigerant			R410A						
Power supply		V/Ph/Hz	230 / 1 / 50					230/1/50 or 400/3/50	400 / 3 / 50
Power input	Cooling	kW	1.08	1.49	2.22	2.59	3.00	4.11	5.12
	Heating	kW	1.00	1.58	2.01	2.53	2.78	4.07	5.11
EER			3.24	3.22	3.10	3.01	3.10	2.94	2.81
SEER			5.1	5.1	5.2	5.2	5.3	-	-
COP			3.62	3.22	3.63	3.36	3.38	3.10	3.01
SCOP			3.6	3.4	3.6	3.4	3.6	-	-
Energy Class	Cooling		A	A	A	A	A	-	-
	Heating		A	A	A	A	A	-	-
Indoor airflow (H/M/L)		m³/h	620/520/450	700/620/500	1300/1100/870	1300/1100/870	1600/1450/1300	1600/1450/1300	1980/1750/1500
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	40 / 36 / 32	42 / 37 / 35	46 / 44 / 39	48 / 46 / 44	49 / 47 / 44	49 / 47 / 44	49 / 44 / 42
	Outdoor	dB(A)	46	50	57	58	58	58	59
Dimensions	Indoor	H (mm)	260	260	240	240	290	290	280
		W (mm)	570	570	840	840	840	840	1 230
		D (mm)	570	570	840	840	840	840	840
	Outdoor	H (mm)	540	688	730	840	840	830	1 250
		W (mm)	780	810	860	948	948	1 008	948
		D (mm)	245	288	308	340	340	410	340
		Panel H / W / D	mm	60 / 700 / 700	60 / 700 / 700	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950
Net weight	Indoor unit	kg	18.5	18.5	26.8	26.8	38	38	46
	Outdoor unit	kg	32	43	49	64	65	82	96
	Panel	kg	2.8	2.8	4.2	4.2	4.2	4.2	8.4
Piping	Type of connection		Flare						
	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	3/4"	3/4"
		Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Pipe run	Length	m	15	25	25	30	30	50	50
	Height	m	10	15	15	20	20	30	30
Operating limits - cooling mode		min/max	18°C / +43°C			-10°C / +46°C			
Operating limits - heating mode		min/max	-15°C / +24°C			-15°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Size 48: values for single phase models

Accessories

Sizes	12	18	24	28	36	48	60
Wired control	Optional						
Central control	Optional						

Blower Inverter

YH DJZH 12 to 60

A complete range from 3.5 kW to 15.2 kW



NEW



Features

- High SEER & SCOP, Class A or more
- Inverter DC compressor and fan motor
- Washable filter
- Automatic restart
- Condensate pump optional
- Quiet operation
- Wired control
- Low Ambient Kit (sizes 24 to 60)
- Electrical defrosting
- Self diagnosis
- **Blue fin protection (indoor and outdoor units)**



Wired control

- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- LCD display
- 3-minute protection
- Weekly timer



Blower Inverter

YHDJZH 12 to 60



Technical features

Model			LOW STATIC PRESSURE			MEDIUM STATIC PRESSURE				HIGH STATIC PRESSURE	
Set reference			YHDJZH								
Indoor unit	Sizes	YHDJXH 12	YHDJXH 18	YHDJXH 24	YHDJXH 24	YHDJXH 28	YHDJXH 36	YHDJXH 48	YHDJXH 48	YHDJXH 60	
Outdoor unit	Sizes	YHUJYH 12	YHUJYH 18	YHUJYH 24	YHUJYH 24	YHUJYH 28	YHUJYH 36	YHUJYH 48	YHUJYH 48	YHUJYH 60	
Cooling capacity	kW	3.5 (0.8~4.1)	5.0 (1.7~5.5)	7.1 (1.8~7.5)	7.1 (1.8~7.5)	8.1 (1.9~9.0)	9.4 (2.0~10.1)	12.2 (5.6~13.6)	12.4 (5.6~13.6)	15.2 (3.7~15.8)	
Heating capacity	kW	4.0 (0.9~4.4)	5.4 (1.8~6.0)	7.2 (2.8~7.6)	7.3 (2.3~7.8)	9.1 (2.0~9.6)	10.2 (2.0~11.0)	13.6 (5.6~15.4)	13.7 (5.6~15.4)	16.0 (3.7~17.0)	
Compressor	Type	Rotary									
Refrigerant		R410A									
Power supply	V/Ph/Hz	230 / 1 / 50						230/1/50 or 400/3/50		400 / 3 / 50	
Power input	cooling	kW	1.08	1.55	2.18	2.16	2.69	3.17	4.34	4.31	5.37
	heating	kW	1.16	1.49	1.98	2.00	2.46	2.88	4.24	3.80	4.68
EER			3.24	3.22	3.25	3.29	3.01	2.96	2.81	2.87	2.83
SEER			5.3	5.6	5.6	5.2	5.2	5.1	-	-	-
COP			3.45	3.61	3.63	3.65	3.69	3.53	3.21	3.61	3.42
SCOP			3.8	3.8	3.8	3.8	3.5	3.4	-	-	-
Energy Class	cooling		A	A+	A+	A	A	A	-	-	-
	heating		A	A	A	A	A	A	-	-	-
Indoor airflow	m³/h		500	900	1 100	1 050	2 090	2 090	2 090	2 580	2 580
External static pressure	Pa		0 / 30	0 / 30	0 / 30	0 / 50	50 / 100	50 / 100	50 / 100	50 / 150	50 / 150
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	33 / 28 / 23	36 / 30 / 26	39 / 32 / 29	44 / 42 / 39	48 / 46 / 42	48 / 46 / 42	49 / 47 / 43	50 / 46 / 42	50 / 46 / 42
	Outdoor	dB(A)	46	50	57	57	58	58	58	58	59
Dimensions	Indoor	H (mm)	185	185	185	270	270	270	270	360	360
		W (mm)	850	1 170	1 170	950	1 135	1 135	1 135	1 197	1 197
		D (mm)	420	420	420	650	742	742	742	830	830
	Outdoor	H (mm)	540	688	730	730	840	840	830	830	1 250
		W (mm)	780	810	860	860	948	948	1 008	1 008	948
		D (mm)	245	288	308	308	340	340	410	410	340
Net weight	Indoor unit	kg	17	25	27	37	52	52	52	54	54
	Outdoor unit	kg	32	43	49	49	64	65	82	82	96
Piping	Type of connection		Flare								
	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"
		Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Pipe run	Length	m	15	25	25	25	30	30	50	50	50
	Height	m	10	15	15	15	20	20	30	30	30
Operating limits - cooling mode		min/max	18°C / +43°C			-10°C / +46°C					
Operating limits - heating mode		min/max	-15°C / +24°C			-15°C / +24°C					

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Sizes 48: Values for single phase models

Accessories

Sizes	12	18	24	24	28	36	48	48	60
Condensate pump	Optional								
Central control	Optional								



Minisplit On/Off Systems

HIGH WALL UNITS

MULTISPLITS

CASSETTE, FLOOR/CEILING & BLOWER UNITS

WINDOW UNITS

High Wall On/Off

YVHFZH 09 to 24

A complete range from 2.7 kW to 6.3 kW



NEW



Features

- Low noise levels
- Class A
- Automatic restart
- ON/OFF timer
- Automatic air sweep
- Service valve protection cover
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Room temperature sensor
- Fan speed selection
- Timer setting function
- Air flow direction setting
- LCD display
- Turbo mode



High Wall On/Off

YVHFZH 09 to 24



Technical features

Set reference			YVHFZH			
Indoor unit	Sizes		YVHFXH 09	YVHFXH 12	YVHFXH 18	YVHFXH 24
Outdoor unit	Sizes		YVHFYH 09	YVHFYH 12	YVHFYH 18	YVHFYH 24
Cooling capacity	kW		2.7	3.4	5.1	6.3
Heating capacity	kW		2.8	3.5	5.5	6.5
Compressor	Type		Rotary			
Refrigerant			R410A			
Power supply	V/Ph/Hz		230 / 1 / 50 + E			
Power input	cooling	kW	0.80	1.05	1.63	2.00
	heating	kW	0.85	1.06	1.71	1.90
EER			3.30	3.23	3.21	3.21
COP			3.41	3.41	3.21	3.41
Energy Class	cooling		A	A	A	A
	heating		B	B	C	B
Indoor airflow (high speed)	m³/h		480	520	800	1 000
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	32 / 35 / 37	33 / 36 / 39	37 / 41 / 45	47 / 52 / 57
	Outdoor	dB(A)	50	52	55	56
Dimensions	Indoor	H (mm)	267	283	300	330
		W (mm)	815	872	960	1 090
		D (mm)	165	178	195	208
	Outdoor	H (mm)	540	540	700	847
		W (mm)	848	848	1 018	950
		D (mm)	320	320	412	412
Net weight	Indoor unit	kg	10	11	13	16
	Outdoor unit	kg	32	40	55	72
Type of connection			Flare			
Piping	Diameter	Gas	3/8"	1/2"	5/8"	5/8"
		Liquid	1/4"	1/4"	3/8"	3/8"
Refrigerant charge		g	1 250	1 250	1 800	2 000
Pipe run	Length	m	20	20	20	30
	Height	m	10	10	15	16
Operating limit - cooling mode	min./max.		+18°C / +43°C			
Operating limit - heating mode	min./max.		-7°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 4 m with initial charge

Accessories

Sizes	09	12	18	24
Electrostatic dedusting filter	Optional			
Silver ion filter	Optional			
Active carbon filter	Optional			

Available KAHC models with Low Ambient Kit (LAK)

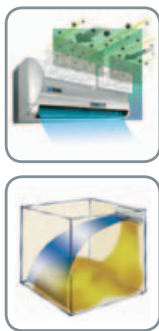
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High Wall On/Off

EAHC 09 to 24 FS-R

A complete range from 2.5 kW to 6.2 kW



Features

- Low noise levels
- Class A
- Automatic restart
- ON/OFF timer
- Automatic air sweep
- Service valve protection cover
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



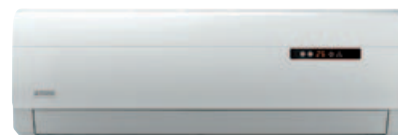
Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer setting function
- Air flow direction setting
- LCD display



High Wall On/Off

EAHC 09 to 24 FS-R



Technical features

Set reference			EAHC FS-R			
Indoor unit	Sizes		EAKC 09 FS-R	EAKC 12 FS-R	EAKC 18 FS-R	EAKC 24 FS-R
Outdoor unit	Sizes		EAJC 09 FS-R	EAJC 12 FS-R	EAJC 18 FS-R	EAJC 24 FS-R
Cooling capacity	kW		2.5	3.1	4.6	6.2
Heating capacity	kW		2.7	3.4	5.0	6.5
Compressor	Type		Rotary			
Refrigerant			R410A			
Power supply	V/Ph/Hz		230 / 1 / 50 + E			
Power input	cooling	kW	0.80	1.00	1.50	1.90
	heating	kW	0.82	0.99	1.35	1.90
EER			3.21	3.21	3.21	3.22
COP			3.41	3.41	3.63	3.41
Energy Class	cooling		A	A	A	A
	heating		B	B	A	B
Indoor airflow (high speed)	m³/h		350	400	750	780
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	32 / 35 / 37	32 / 35 / 38	37 / 41 / 45	38 / 41 / 45
	Outdoor	dB(A)	50	52	55	56
Dimensions	Indoor	H (mm)	255	265	298	298
		W (mm)	730	790	940	940
		D (mm)	174	170	200	200
	Outdoor	H (mm)	540	540	540	680
		W (mm)	776	798	848	913
		D (mm)	320	355	360	428
Net weight	Indoor unit	kg	8	9	13	13
	Outdoor unit	kg	31	35	40	46
Type of connection			Flare			
Piping	Diameter	Gas	3/8"	1/2"	1/2"	1/2"
		Liquid	1/4"	1/4"	1/4"	1/4"
Refrigerant charge		g	660	840	1 150	1 450
Pipe run	Length	m	15	20	25	25
	Height	m	10	10	10	10
Operating limit – cooling mode		min./max.	+18°C / +46°C			
Operating limit – heating mode		min./max.	-7°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Accessories

Sizes	09	12	18	24
Electrostatic dedusting filter	Optional			
Silver ion filter	Optional			
Active carbon filter	Optional			

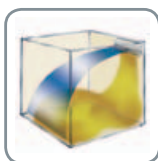
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High Wall Multi Split

YEHNZH 18 to 24 (2x1)

A complete range from 5.6 kW to 7.0 kW



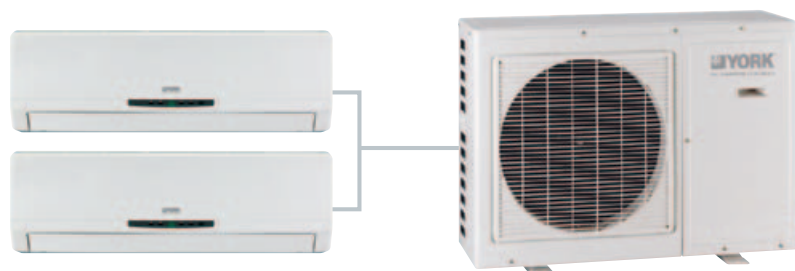
Features

- Low noise levels
- Active carbon filter
- 2 circuits / 2 compressors running in same mode
- Automatic restart
- ON/OFF timer
- Automatic air sweep
- Service valve protection cover
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer setting function
- Air flow direction setting
- LCD display
- Turbo mode
- Lock button function



High Wall Multi Split

YEHNZH 18 to 24 (2x1)



Technical features

INDOOR UNIT (9000 Btu/h)		2 x YEHNXH 09		1 x YEHNXH 09	
INDOOR UNIT (12000 Btu/h)				1 x YEHNXH 12	
OUTDOOR UNIT		YEHNXH 18		YEHNXH 21	
				YEHNXH 24	
Cooling capacity	kW	5.6 (2.8 x 2)		6.3 (2.8 + 3.5)	
Heating capacity	kW	6.0 (3.0 x 2)		6.8 (3.0 + 3.8)	
Compressor	Type (Nb)	Rotary / 2			
Refrigerant		R410A			
Power supply	V/Ph/Hz	230 / 1 / 50 + E			
Power input (Cooling)	kW	1.86		2.09	
Power input (Heating)	kW	1.76		1.99	
EER / COP		3.01 / 3.41		3.01 / 3.41	
Energy Class (cooling/heating)		B / B		B / B	
Sound pressure at 1 m (ind./out.)	dB(A)	30 + 30 / 54		30 + 29 / 55	
Dimensions	Indoor unit	H (mm)	265	265 + 275	275
		W (mm)	790	790 + 845	845
		D (mm)	170	170 + 180	180
	Outdoor unit	H (mm)	700	700	700
		W (mm)	1 018	950	950
		D (mm)	412	420	420
Net Weight (Indoor / Outdoor)	kg	9 + 9 / 58		9 + 10 / 65	
Piping diameter	Gas	2 x 3/8"		3/8" + 1/2"	
	Liquid	2 x 1/4"		2 x 1/4"	
Pipe run	Length	2 x 20		2 x 20	
	Height	2 x 10		2 x 10	
Operating limits - cooling mode	min/max	+10°C / +48°C			
Operating limits - heating mode	min/max	-7°C / +24°C			

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

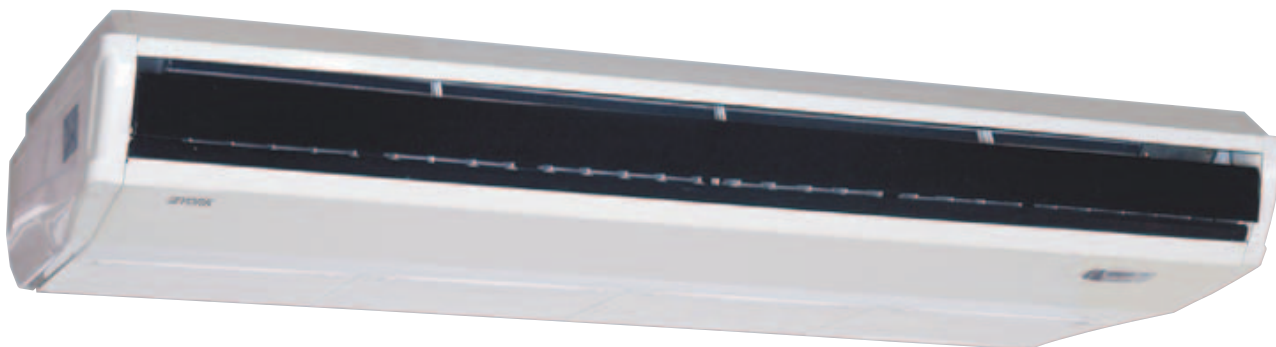
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Floor/Ceiling

EOHC 09 to 48 FS

A complete range from 2.5 kW to 13.2 kW



Features

- Convertible - floor or ceiling
- Horizontal and vertical air sweep function
- Wide angle air distribution
- Slim profile - flush mounting
- Low Ambient Kit optional
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- LCD display



Wired control (optional)

- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- LCD display

Floor/Ceiling

EOHC 09 to 48 FS



Technical features

Set reference			EOHC						
Indoor unit		Sizes	EOKC 09 FS	EOKC 12 FS	EOKC 18 FS	EOKC 24 FS	EOKC 36 FS	EOKC 42 FS	EOKC 48 FS
Outdoor unit		Sizes	ENJC 09 FS	ENJC 12 FS	ENJC 18 FS	ENJC 24 FS	ENJC 36 FS	ENJC 42 FS	ENJC 48 FS
Cooling capacity		kW	2.5	3.5	5.2	7.2	10.0	12.0	13.2
Heating capacity		kW	2.8	3.9	5.7	8.0	11.0	14.0	14.5
Compressor		Type	Rotary				Scroll		
Refrigerant			R410A						
Power supply		V/Ph/Hz	230 / 1 / 50 + E				400 / 3 / 50 + E + N		
Power input	cooling	kW	0.89	1.23	1.80	2.50	3.50	4.50	5.00
	heating	kW	0.98	1.29	2.00	2.59	3.30	4.70	4.80
EER			2.81	2.85	2.89	2.88	2.86	2.67	2.64
COP			2.85	3.02	2.85	3.09	3.33	2.98	3.02
Energy Class	cooling		C	C	C	C	C	D	D
	heating		D	D	D	D	C	D	D
Fuse rating		A	25	25	25	25	16	16	16
Indoor airflow (high speed)		m³/h	550	600	700	1 170	1 800	1 800	2 100
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	45 / 42 / 39	46 / 42 / 38	54 / 50 / 46	50 / 48 / 46	54 / 51 / 48	54 / 51 / 48	58 / 55 / 52
	Outdoor	dB(A)	54	56	56	59	58	60	63
Dimensions	Indoor	H (mm)	695	695	695	600	695	695	695
		W (mm)	836	836	836	1 300	1 590	1 590	1 590
		D (mm)	238	238	238	188	238	238	238
	Outdoor	H (mm)	540	540	540	695	840	1 250	1 250
		W (mm)	820	820	820	1 018	1 018	1 032	1 032
		D (mm)	320	320	320	412	412	412	412
Net weight	Indoor unit	kg	27	27	27	32	42	42	48
	Outdoor unit	kg	30	40	40	59	90	112	112
Piping	Type of connection		Flare						
	Diameter	Gas	1/2"	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"
		Liquid	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	1/2"
Refrigerant charge		g	1 100	1 000	1 500	2 200	3 200	3 550	3 800
Pipe run	Length	m	20	20	20	30	50	50	50
	Height	m	15	15	15	15	30	30	30
Operating limits - cooling mode		min/max	-10°C / +43°C						
Operating limits - heating mode		min/max	-15°C / +24°C						

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Accessories

Sizes	09	12	18	24	36	42	48
Wired control					Optional		
Weekly timer					Optional		
Central control					Optional		
Low Ambient Kit					Optional		

Non available for EC countries.

Manufacturer reserves the rights to change specifications without prior notice.

Cassette

EKHC 12 to 48 FS

A complete range from 3.5 kW to 14.2 kW



Features

- Condensate pump
- Fresh air intake for sizes 24 to 42
- 3 fan speeds
- 600 x 600 mm (size 12 & 18)
- Auto restart
- Low noise operation
- Low Ambient Kit optional
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- LCD display



Wired control (optional)

- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- LCD display

Cassette

EKHC 12 to 48 FS



Technical features

Set reference			EKHC						
Indoor unit		Sizes	EKKC 12 FS	EKKC 18 FS	EKKC 24 FS	EKKC 36 FS	EKKC 42 FS	EKKC 48 FS	
Outdoor unit		Sizes	ENJC 12 FS	ENJC 18 FS	ENJC 24 FS	ENJC 36 FS	ENJC 42 FS	ENJC 48 FS	
Cooling capacity		kW	3.5	5.3	7.0	10.0	12.0	13.2	
Heating capacity		kW	3.6	5.7	7.5	11.0	14.0	14.5	
Compressor		Type	Rotary			Scroll			
Refrigerant			R410A						
Power supply		V/Ph/Hz	230 / 1 / 50 + E			400 / 3 / 50 + E			
Power input	Cooling	kW	1.15	1.85	2.50	3.50	4.60	4.80	
	Heating	kW	1.10	1.75	2.50	3.40	4.80	5.20	
EER			3,04	2,86	2,80	2,86	2,61	2,75	
COP			3,27	3,26	3,00	3,24	2,92	2,79	
Energy Class	Cooling		B	C	C	C	D	D	
	Heating		C	C	D	C	D	E	
Indoor airflow		m³/h	550	550	1 180	1 660	1 660	1 660	
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	47 / 45 / 43	47 / 45 / 43	47 / 45 / 43	53 / 51 / 48	53 / 51 / 48	53 / 51 / 48	
	Outdoor	dB(A)	56	56	59	60	60	63	
Dimensions	Indoor	H (mm)	230	230	240	320	320	320	
		W (mm)	600	600	840	840	840	840	
		D (mm)	600	600	840	840	840	840	
	Outdoor	H (mm)	540	540	695	840	1 250	1 250	
		W (mm)	820	820	1 018	1 018	1 032	1 032	
		D (mm)	320	320	412	412	412	412	
		Panel H/W/D	mm	50 / 650 / 650	50 / 650 / 650	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950
		Net weight		Indoor unit	kg	20	20	30	38
		Outdoor unit	kg	32	40	59	90	112	112
Type of connection		Flare							
Piping	Diameter	Gas	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	
		Liquid	1/4"	1/4"	3/8"	1/2"	1/2"	1/2"	
Refrigerant charge		g	1 000	1 500	2 200	3 200	3 550	3 800	
Max pipe run	Length	m	20	20	30	50	50	50	
	Height	m	15	15	15	30	30	30	
Operating limits - cooling mode		min/max	-10°C / +43°C						
Operating limits - heating mode		min/max	-15°C / +24°C						

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Accessories

Sizes	12	18	24	36	42	48
Wired control	Optional					
Weekly timer	Optional					
Central control	Optional					
Low Ambient Kit	Optional					

Non available for EC countries.

Manufacturer reserves the rights to change specifications without prior notice.

Blower

EUHC 12 to 60 FT

A complete range from 3.5 kW to 16.0 kW



Features

- Air filter included
- Condensate pump optional
- Fresh air intake
- Indoor unit with centrifugal fan
- Large distances between indoor and outdoor units
- Indoor units with high pressure
- Quiet operation
- Wired control with weekly timer
- Infrared remote control
- Low Ambient Kit optional
- **Blue fin protection (indoor and outdoor units)**



Wired control

- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Weekly timer
- LCD display



Remote controller

- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- Air flow direction setting
- LCD display

Blower

EUHC 12 to 60 FT



Technical features

Set reference			EUHC						
Indoor unit		Sizes	EUKC 12 FT	EUKC 18 FT	EUKC 24 FT	EUKC 36 FT	EUKC 42 FT	EUKC 48 FT	EUKC 60 FT
Outdoor unit		Sizes	ENJC 12 FS	ENJC 18 FS	ENJC 24 FS	ENJC 36 FS	ENJC 42 FS	ENJC 48 FS	ENJC 60 FS
Cooling capacity		kW	3.5	5.2	7.0	10.2	12.2	13.2	16.0
Heating capacity		kW	3.6	5.7	8.0	11.2	14.0	14.5	18.5
Compressor		Type	Rotary			Scroll			
Power supply		V/Ph/Hz	230 / 1 / 50 + E			400 / 3 / 50 + E + N			
Power input	cooling	kW	1.1	1.85	2.60	3.70	4.80	5.10	6.30
	heating	kW	1.1	1.75	2.50	3.50	4.90	4.60	6.00
EER			3.18	2.81	2.69	2.76	2.54	2.58	2.54
COP			3.27	3.26	3.20	3.20	2.86	3.15	3.08
Energy Class	cooling		B	C	D	D	E	E	E
	heating		C	C	C	C	D	D	D
Indoor airflow		m³/h	600	840	1 400	2 000	2 000	2 300	2 500
External static pressure		Pa	25	40	80	150	150	150	150
Sound pressure at 1 m	Indoor	dB(A)	40 / 38 / 36	42 / 40 / 38	44 / 42 / 40	50 / 48 / 46	50 / 48 / 46	53 / 50 / 46	53 / 50 / 48
	Outdoor	dB(A)	56	56	59	60	60	63	64
Dimensions	Indoor	H (mm)	220	266	268	290	290	290	330
		W (mm)	913	1 012	1 270	1 226	1 226	1 226	1 226
		D (mm)	680	736	530	775	775	775	815
	Outdoor	H (mm)	540	540	695	840	1 250	1 250	1 250
		W (mm)	820	820	1 018	1 018	1 032	1 032	1 032
		D (mm)	320	320	412	412	412	412	412
Net weight	Indoor unit	kg	27	36	37	57	57	57	66
	Outdoor unit	kg	32	40	59	90	112	112	123
Type of connection			Flare						
Piping	Diameter	Gas	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	3/4"
		Liquid	1/4"	1/4"	3/8"	1/2"	1/2"	1/2"	1/2"
Refrigerant charge		g	1 000	1 500	2 200	3 200	3 550	3 800	5 000
Pipe run	Length	m	20	20	30	50	50	50	50
	Height	m	15	15	15	30	30	30	30
Operating limits - cooling mode		min/max	-10°C / +43°C						
Operating limits - heating mode		min/max	-15°C / +24°C						

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Accessories

Sizes	12	18	24	36	42	48	60
Condensate pump				Optional			
Low Ambient Kit				Optional			
Central control				Optional			

Non available for EC countries.

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Window

Y8USE 09 to 24

A complete range from 2.6 kW to 5.0 kW



Features

- Super compact design
- Quiet design
- Removable and washable panel
- Infrared control
- Drying operation
- Anti cool wind
- Golden fin condenser
- Memory function

Window

Y8USE 09 to 24



Technical features

Models		Sizes	Y8USE 09	Y8USE 12	Y8USE 18	Y8USE 24
Cooling capacity		kW	2.8	3.8	5.3	6.2
Heating capacity		kW	2.5	3.5	4.8	5.5
Power supply		V/Ph/Hz	230 / 1 / 50 + E			
Refrigerant		Type	R410A			
Power input	cooling	kW	0.92	1.26	1.76	1.99
	heating	kW	0.73	1.02	1.59	1.83
EER			3.04	3.04	3.00	3.01
COP			3.42	3.42	3.00	3.01
Indoor airflow		m³/h	480	730	850	900
Sound pressure at 1 m		dB(A)	50 / 48 / 46	53 / 51 / 49	57 / 55 / 53	58 / 56 / 53
Dimensions	H	mm	375	428	428	428
	W	mm	560	660	660	660
	D	mm	618	700	770	770
Net weight		kg	43	57	66	75
Stuffing quantity 40' HQ		Set	342	225	205	195

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Non available for EC countries.

Manufacturer reserves the rights to change specifications without prior notice.

Information for minisplit installation

Model	Size	Power supply	Power supply cable size (mm²)	Interconnection cables (number of cables and sizes) (mm²)	Maximum pipe run (m)	Maximum height (m)	Piping diameter Liquid - gas	Outdoor unit charged for a piping length of (m)	Extra refrigerant charge for every meter (gr)	
YWHJZH										
High wall Inverter YWHJZH R410A	09	Indoor	3 x 2.5	4 x 2.5	15	10	1/4 - 3/8"	5	20	
	12				20					
	18	Outdoor			25		1/4 - 5/8"		50	
	24									
YJHJZH										
High wall Inverter YJHJZH R410A	09	Indoor	3 x 2.5	4 x 2.5	15	5	1/4 - 3/8"	5	20	
	12									
	18	Outdoor			25	15	1/4 - 1/2"		50	
	24					1/4 - 5/8"				
YEHJZH										
High wall Inverter YEHJZH R410A	09	Indoor	3 x 2.5	4 x 2.5	15	10	1/4 - 3/8"	5	20	
	12									
	18	Outdoor			25				1/4 - 1/2"	50
	24						1/4 - 5/8"			
YVHFZH										
High wall On-Off YVHFZH R410A	09	Indoor	3 x 2.5	5 x 2.5	20	10	1/4 - 3/8"	4	30	
	12						1/4 - 1/2"			
	18	Outdoor	3 x 4	6 x 4	30	15	3/8" - 5/8"		50	
	24					16				
EAHC-FS-R										
High wall On-Off EAHC-FS-R R410A	09	Indoor	3 x 2.5	5 x 2.5	15	10	1/4 - 3/8"	5	30	
	12				20					
	18	Outdoor	3 x 4	6 x 4	25		1/4 - 1/2"		50	
	24									
EMHC										
High wall Multisplit EMHC R410A	18	Outdoor	3 x 4	6 x 2.5	15 *	7	1/4 - 3/8"	5 *	30	
	21									
	27									
	30									
YJU_YH										
Multisplit Inverter YJU_YH R410A	14	Outdoor	3 x 4	4 x 1.5	30 *	15 *	1/4-3/8" **	5 *	40	
	18				50 *					
	19				70 *					
	25				80 *					
	30									
34										
YHFJZH / YHKJZH / YHDJZH										
Floor/Ceiling Inverter YHFJZH Cassette Inverter YHKJZH Blower Inverter YHDJZH R410A	12	Outdoor & Indoor	Ind: 3 x 1.5 Out: 3 x 2.5	4 x 0.25	15	10	1/4 - 3/8"	5	30	
	18				25	15	1/4 - 1/2"			
	24		Ind: 3 x 2.5 Out: 3 x 4		30	20	3/8 - 5/8"			
	28									
	36		Ind: 3 x 2.5 Out: 3 x 6		50	30	3/8 - 1/4"			
	48		Ind: 3 x 2.5 Out: 5 x 4							
60										
EOHC / EKHC / EUHC										
Floor/Ceiling EOHC Cassette EKHC Blower EUHC R410A	09	Outdoor & Indoor	Ind: 3 x 1.5 Out: 3 x 2.5	2 x 0.25	20	15	1/4 - 1/2"	5	30	
	12									
	18		Ind: 3 x 1.5 Out: 3 x 4		30	3/8 - 5/8"	60			
	24		Ind: 3 x 1.5 Out: 3 x 6		50	30	1/2 - 3/4"		120	
	36									
	42									
	48									
60										

* Each indoor unit ** next indoor unit
Confirm about data in the technical documentation.

Load calculation

Customer		Date		Project	
Telephone		Type of installation			
Address					

Termical loads		PARAMETERS		FACTOR		CAPACITY
WINDOWS	not exposed to sunlight	m ²	x	50	=	
	exposed to sunlight	m ²	x	180	=	
	exposed to sunlight with curtains	m ²	x	135	=	
	exposed to sunlight with awnings	m ²	x	90	=	
OUTDOOR WALLS	exposed to sunlight and insulated	m ²	x	9	=	
	exposed to sunlight non insulated	m ²	x	23	=	
	not exposed to sunlight and insulated	m ²	x	7	=	
	not exposed to sunlight non insulated	m ²	x	12	=	
INDOOR WALLS *		m ²	x	10	=	
CEILING OR ROOF *	insulated	m ²	x	5	=	
	not insulated	m ²	x	12	=	
	insulation under the roof	m ²	x	10	=	
	not insulation under roof	m ²	x	24	=	
FLOOR *	insulated	m ²	x	7	=	
	not insulated	m ²	x	10	=	
FRESH AIR		m ³ /h	x	4,5	=	
PERSONS INSIDE THE ROOM		pers.	x	144	=	
WORKING ELECTRICAL EQUIPMENT		W	x	1	=	
NEEDED COOLING CAPACITY						W

* To not consider if they are next to climatized area.



Important: This is a simplified method to obtain an approximate value of cooling capacity, as long as the climatic conditions are not extreme.
Only for cooling calculation.



VRF Systems

YV2V • R410A

INDOOR UNIT TYPES

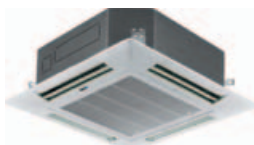
Amazon Standard Ambient VRF System

YV2V 010 to 135

Cooling capacities 9 kW to 135 kW



NEW



VRF System

- Capacities from 9 to 135 kW
- Operating range of nominal power (10% - 130 %)
- DC Inverter Scroll Compressor
- Low noise levels
- High Efficiency. EER up to 4.28
- Modular design
- Large indoor unit combinations
- Flexible and quickly installation

Comfort – Quality

- Cooling and heating
- Connection up to 64 indoor units per refrigeration circuit (3 outdoor units)
- Complete range in R410A
- Reduced space of ground
- Is appropriate particularly for existing buildings
- Cooling to -5°C to +43°C (outdoor temperature)
- Heating to -15°C to +24°C (outdoor temperature)



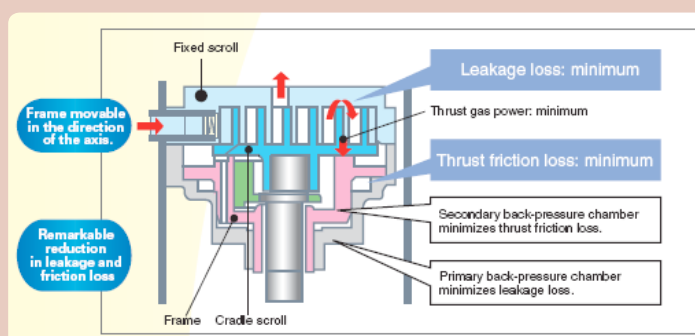
Amazon Standard Ambient VRF System

YV2V 010 to 135



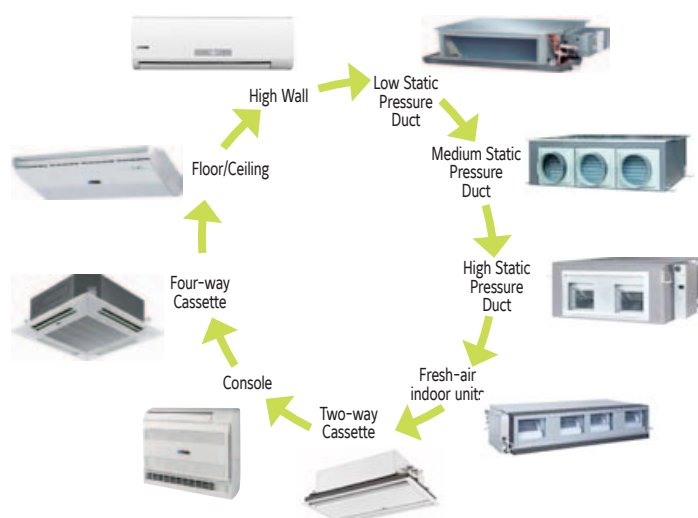
YV2V DC INVERTER VRF

The YV2V (YORK Inverter Air Conditioner) air-conditioner is the system that has variable-frequency compressor and multiple evaporators (indoor units). It is widely used in the world for high efficiency. It provides a broad range of different applications for settings such as offices, hotels and schools. With the advantage of easy installation and simple controlling system and so on, the YV2V system can better meet the demands of the air conditioning market.



Flexible indoor unit combinations

Each outdoor unit allows to connect up to 16 indoor units. This quantity varies in accordance with the model. The total capacity of the indoor units can vary between 50% and 130% from the total outdoor unit nominal capacity.



Amazon Standard Ambient VRF System

YV2V 010 to 045



YV2V Technical features - Mini-VRF outdoor unit

Model		YV2VYH010KAR	YV2VYH015KAR	YV2VYH015KAS	YV2VYH018KAS
Cooling capacity	kW	9.0	15.0	15.0	18.0
EER		2.98	3.33	3.06	2.84
Heating capacity	kW	11.0	17.0	17.0	20.0
COP		4.20	3.78	3.95	3.37
Air flow	m³/h	3 500	6 500	6 500	6 500
Sound Pressure Level at 1 m	dB(A)	58	59	59	60
Electrical features					
Power supply		1/N/ 230V 50Hz		3/N/ 400V 50Hz	
Power input "cooling"	kW	3.02	4.50	4.90	6.33
Power input "heating"	kW	2.62	4.50	4.30	5.93
Compressor	Type	Rotary	Rotary	Rotary	Rotary
Dimensions and Weight					
Height x Width x Length	mm	830 x 960 x 380	1 250 x 960 x 380	1 250 x 960 x 380	1 250 x 960 x 380
Weight	kg	74	120	120	120
Piping connections					
Gas		5/8"	3/4"	3/4"	3/4"
Liquid		3/8"	3/8"	3/8"	3/8"
Refrigerant charge	Type	R410A			
	kg	2.6	3.6	4	4
Piping length / Height difference					
Max. piping length	m	50	100	100	100
Max. height difference	m	30	30	30	30
Max. number of indoor units		4	8	8	9

YV2V Technical features - Single module outdoor unit

Model		YV2VYH022KAS	YV2VYH028KAS	YV2VYH033KAS	YV2VYH040KAS	YV2VYH045KAS
Cooling capacity	kW	22.6	28.0	33.5	40.0	45.0
EER		4.28	3.80	3.35	3.51	3.36
Heating capacity	kW	25.0	31.5	37.5	45.0	50.0
COP		4.24	3.95	3.75	3.88	3.70
Air flow	m³/h	11.100	11.100	14.100	14.100	14.100
Sound Pressure Level at 1 m	dB(A)	57	57	60	60	60
Electrical features						
Power supply		3/N/ 400V 50Hz				
Power input “cooling”	kW	5.27	7.36	10.00	11.40	13.40
Power input “heating”	kW	5.89	7.97	10.00	11.60	13.50
Compressor	Type	DC Inverter Scroll		DC Inverter Scroll + Standard Scroll		
Dimensions and Weight						
Height x Width x Length	mm	1 808 x 990 x 750	1 808 x 990 x 751	1 808 x 1 390 x 750	1 808 x 1 390 x 751	1 808 x 1 390 x 752
Weight	kg	240	240	360	360	368
Piping connections						
Gas		3/4”	7/8”	1”	1”	1 1/8”
Liquid		3/8”	3/8”	1/2”	1/2”	1/2”
Refrigerant charge	Type	R410A				
	kg	10	11	12	12	14.5
Piping length / Height difference						
Max. piping length	m	150				
Max. height difference	m	50				
Max. number of indoor units		13	16	19	23	26

Amazon Standard Ambient VRF System

YV2V 050 to 135



YV2V Technical features - Outdoor units with two module combinations

Model		YV2VYH050KAS	YV2VYH056KAS	YV2VYH061KAS	YV2VYH068KAS	YV2VYH073KAS	YV2VYH078KAS	YV2VYH085KAS	YV2VYH090KAS
Module combinations		1x YV2VYH022 1x YV2VYH028	2x YV2VYH028	1x YV2VYH028 1x YV2VYH033	1x YV2VYH028 1x YV2VYH040	1x YV2VYH028 1x YV2VYH045	2x YV2VYH040	1x YV2VYH040 1x YV2VYH045	2x YV2VYH045
Cooling capacity	kW	50.6	56.0	61.5	68.0	73.0	78.5	85.0	90.0
Heating capacity	kW	56.5	63.0	69.0	76.5	81.5	90.0	95.0	100.0
Noise level at 1 m	dB(A)	57	57	60	60	60	57	57	57
Electrical features									
Power supply		3/N/ 400V 50Hz							
Power input “cooling”	kW	12.63	14.72	17.36	18.76	20.76	22.80	24.80	26.80
Power input “heating”	kW	13.86	15.94	17.97	19.57	21.47	23.20	25.10	27.00
Dimensions and Weight									
Height x Width x Length	mm	1808 x 1980 x 1501	1808 x 1980 x 1502	1808 x 2380 x 1501	1808 x 2380 x 1502	1808 x 2380 x 1503	1808 x 2780 x 1502	1808 x 2780 x 1503	1808 x 2780 x 1504
Weight	kg	480	480	600	600	608	720	728	736
Piping size between the outdoor unit and the first branch									
Gas		1 1/8"				1 3/8"			
Liquid		5/8"				3/4"			
Refrigerant piping									
Max. piping length	m	150							
Max. height difference	m	50							
Connection between modules (out. groups)		HZG - 20A							
Max. number of indoor units		29	33	36	39	43	46	50	53

YV2V Technical features - Outdoor units with three module combinations

Model	YV2VYH096KAS	YV2VYH101KAS	YV2VYH106KAS	YV2VYH113KAS	YV2VYH118KAS	YV2VYH123KAS	YV2VYH130KAS	YV2VYH135KAS	
Module combinations	2x YV2VYH028 1x YV2VYH040	2x YV2VYH028 1x YV2VYH045	1x YV2VYH028 2x YV2VYH040	1x YV2VYH028 1x YV2VYH040 1x YV2VYH045	1x YV2VYH028 2x YV2VYH045	1x YV2VYH033 2x YV2VYH045	1x YV2VYH040 2x YV2VYH045	3x YV2VYH045	
Cooling capacity	kW	96.0	101.0	106.5	113.0	118.0	123.5	130.0	135.0
Heating capacity	kW	108.0	113.0	121.5	126.5	131.5	137.5	145.0	150.0
Noise level at 1 m	dB(A)	60	60	60	60	60	57	57	57
Electrical features									
Power supply	3/N/ 400V 50Hz								
Power input "cooling"	kW	26.12	28.12	30.16	32.16	34.16	36.80	38.20	40.20
Power input "heating"	kW	27.54	29.44	31.17	33.07	34.97	37.00	38.60	40.50
Dimensions and Weight									
Height x Width x Length	mm	1808 x 3370 x 2253	1808 x 3370 x 2254	1808 x 3770 x 2253	1808 x 3770 x 2254	1808 x 3770 x 2255	1808 x 4170 x 2254	1808 x 4170 x 2255	1808 x 4170 x 2256
Weight	kg	840	848	960	968	976	1 096	1 096	1 104
Piping size between the outdoor unit and the first branch									
Gas	1 3/8"								
Liquid	3/4"								
Refrigerant piping									
Max. piping length	m	150							
Max. height difference	m	50							
Connection between modules (out. groups)	HZG - 30A								
Max. number of indoor units	56	59	63	64	64	64	64	64	

VRF Technical features indoor units



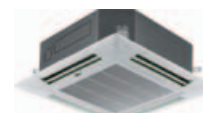
High wall (EXV integrated)

Model			YVHVXH022	YVHVXH028	YVHVXH036	YVHVXH045	YVHVXH056	YVHVXH071
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
	Air flow	m³/h	600					800
Noise level at 1 m	H / M / L	dB(A)	37 / 33 / 31	37 / 34 / 31	41 / 36 / 33	41 / 36 / 33	43 / 39 / 34	48 / 39 / 37
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E					
	Current	A	0.31					0.41
Dimensions and Weight	H x W x D	mm	265 x 938 x 187					299 x 1 046 x 239
	Weight	kg	10.9					13
Piping	Gas		1/2"					5/8"
	Liquid		1/4"					3/8"



Two Way Cassette

Model			YV8VXH028	YV8VXH036	YV8VXH045	YV8VXH056
Capacity	Cooling	kW	2.8	3.6	4.5	5.6
	Heating	kW	3.2	4.0	5.0	6.3
	Air flow	m³/h	840			
Noise level at 1 m	H / M / L	dB(A)	42 / 37 / 33			44 / 39 / 34
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E			
	Current	A	0.5			0.62
Dimensions and Weight	H x W x D	mm	280 x 817 x 620			
	Weight	kg	21			
Panel	H x W x D	mm	8 x 1 055 x 680			
	Weight	kg	7			
Piping	Gas		3/8"	1/2"		
	Liquid		1/4"	1/4"		



Cassette

Model			YVKVXH028	YVKVXH036	YVKVXH045	YVKVXH056	YVKVXH071	YVKVXH080	YVKVXH090	YVKVXH112	YVKVXH140
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0
	Heating	kW	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0
	Air flow	m³/h	700	650			1 200		1 800		
Noise level at 1 m	H / M / L	dB(A)	32 / 30 / 29	32 / 30 / 29	33 / 30 / 29	34 / 32 / 30	35 / 34 / 31	37 / 35 / 31	37 / 35 / 31	37 / 35 / 31	44 / 40 / 36
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E								
	Current	A	0.47			0.67			0.76		
Dimensions and Weight	H x W x D	mm	260 x 570 x 570			240 x 840 x 840			295 x 840 x 840		
	Weight	kg	17			30			38		
Panel	H x W x D	mm	60 x 700 x 700			80 x 950 x 950					
	Weight	kg	2.8			6					
Piping	Gas		3/8"	1/2"			5/8"				
	Liquid		1/4"	1/4"			3/8"				



Convertible console floor/ceiling

Model			YVFXH028	YVFXH036	YVFXH045	YVFXH056	YVFXH071	YVFXH112	YVFXH140
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	11.2	14.0
	Heating	kW	3.2	4.0	5.0	6.3	8.0	12.5	16.0
	Air flow	m³/h	800						2 040
Noise level at 1 m	H / M / L	dB(A)	48 / 46 / 44						50 / 48 / 46 53 / 51 / 49
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E						
	Current	A	0.3						1.8
Dimensions and Weight	H x W x D	mm	655 x 990 x 199						700 x 1 580 x 240
	Weight	kg	38.3						54
Piping	Gas		3/8"	1/2"				5/8"	
	Liquid		1/4"	1/4"				3/8"	

VRF Technical features indoor units



Console

Model			YV5VXH022	YV5VXH028	YV5VXH036	YV5VXH056
Capacity	Cooling	kW	2.2	2.8	3.6	5.0
	Heating	kW	2.5	3.2	4.0	6.0
	Air flow	m³/h	460		520	580
Noise level at 1 m	H / M / L	dB(A)	43 / 39 / 36			48 / 46 / 42
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E			
	Current	A	0.44			
Dimensions and Weight	H x W x D	mm	640 x 720 x 255			
	Weight	kg	18			
Piping	Gas		1/2"			
	Liquid		1/4"			



Low and Medium Static Pressure Duct

Model			Low Static Pressure						Medium Static Pressure					
			YVDVXH022	YVDVXH028	YVDVXH036	YVDVXH045	YVDVXH056	YVDVXH071	YVEVXH056	YVEVXH071	YVEVXH080	YVEVXH090	YVEVXH112	YVEVXH114
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	5.6	7.1	8.0	9.0	11.2	14.0
	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0	7.1	8.0	9.0	10.0	12.5	16.0
	Air flow	m³/h	400		500	850	1 250		1 200		1 900		2 100	
Noise level at 1 m	H / M / L	dB(A)	35 / 32 / 30				39 / 37 / 35		43 / 37 / 35				44 / 40 / 36	
External static presure		Pa	0 ~ 20						50 ~ 96				80 ~ 120	
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E											
	Current	A	0.27			0.38	0.55		1.1			2.2		
Dimensions and Weight	H x W x D	mm	220 / 610 / 500			220 / 1 105 / 500			300 / 1 180 / 743			270 / 1 135 / 742		
	Weight	kg	15	16	25	28		39			50			
Piping	Gas		3/8"		1/2"			5/8"	1/2"	5/8"				
	Liquid		1/4"		1/4"			3/8"	1/4"	3/8"				



High Static Pressure Duct

Model			YVGVBXH056	YVGVBXH071	YVGVBXH080	YVGVBXH090	YVGVBXH112	YVGVBXH140	YVGVBXH226	YVGVBXH280
Capacity	Cooling	kW	5.6	7.1	8.0	9.0	11.2	14.0	22.6	28.0
	Heating	kW	6.3	8.0	9.0	10.0	12.5	16.0	25.0	31.6
	Air flow	m³/h	1 500			1 560	1 600	2 100	4 050	
Noise level at 1 m	H / L	dB(A)	42 / 40			45 / 40			54 / 49	
External static presure		Pa	100							
Electrical features	Power supply	V/Ph/Hz	230 / 1/ 50 + N + E							
	Current	A	2.05			2.55			5.05	
Dimensions and Weight	H x W x D	mm	360 x 970 x 875			360 x 1 350 x 875			360 x 1 610 x 840	
	Weight	kg	48			62			92	
Piping	Gas		1/2"	5/8"					1"	
	Liquid		1/4"	3/8"					3/8"	



Fresh Air Unit

Model			YV4VXH140	YV4VXH226	YV4VXH280
Capacity	Cooling	kW	14.0	22.6	28.0
	Heating	kW	8.9	15.2	17.8
	Air flow	m³/h	1 600	2 300	2 800
Noise level at 1 m	High speed	dB(A)	48	55	
External static pressure		Pa	100		
Electrical features	Power supply	V/Ph/Hz	230 / 1 / 50 + N + E		
Dimensions and Weight	H x W x D	mm	360 x 1 350 x 875	360 x 1 750 x 840	
	Weight	kg	62	120	
Piping	Gas		5/8"	1"	
	Liquid		3/8"	3/8"	

Heat Recovery Ventilator

Model		YV6VXH015	YV6VXH026	YV6VXH080	YV6VXH100
Air flow	m³/h	150	200	800	1 000
External static presure	Pa	50	60	80	100
Power supply	V/Ph/Hz	230 / 1 / 50 + N + E			
Dimensions and Weight	H x W x D	mm	276x940x685	276x940x686	387x1227x1115
	Weight	kg	28.7		85.5

Controllers & BMS

YR-H71 Wireless Controller

Elegant and slim design, LCD display, 4 Operation modes (Cool/Dry/Heat/Fan), Timer ON/OFF setting up to 24 Hr., Temperature control range, Fan speed selection. Standard for High Wall and Console, optional for Duct, Cassette and Floor Ceiling.



YR-E14 Wired Controller

Exclusive design, Big LCD display, 4 Operation modes (Cool/Dry/Heat/Fan), Temperature setting, Timer setting, Fan speed selection, Group controller up to 16 indoor units. Standard for Duct, Cassette and Floor Ceiling, optional for High Wall



YCZ-A003 Touch Screen Central Controller

Max. 128 indoor units control. Single or all query and control, such as ON/OFF/Mode setting/Temp setting/ Fan setting ect. Mode lock function, Blue light background, LCD display screen.



HCM-01 Central Controller With Monitor Software

Max. 128 indoor units control. Single or all query and control, such as ON/OFF/Mode setting/Temp setting/ Fan setting ect. Mode lock function, Blue light background, Software Monitoring on any PC.



IGU05 Touch Screen Central Controller Translator

Translating protocol between home bus and RS485. Connecting with one outdoor (combination model also regard as one) system. Work with Touch Screen Central Controller



IGU02 BacNet/IP Translator

Translating protocol between home bus and RS485. Connecting with one outdoor (combination model also regard as one) system. Work with Central Controller with Monitor Software and BacNet/IP Converter.



IGU07 LonWorks Translator

Translating protocol between home bus and RS485. Connecting with one outdoor (combination model also regard as one) system. Work with LonWorks Converter.



IGU07 LonWorks Converter

Max. 32 indoor units control. Connect A/C system to BMS by LONWORKS protocol.

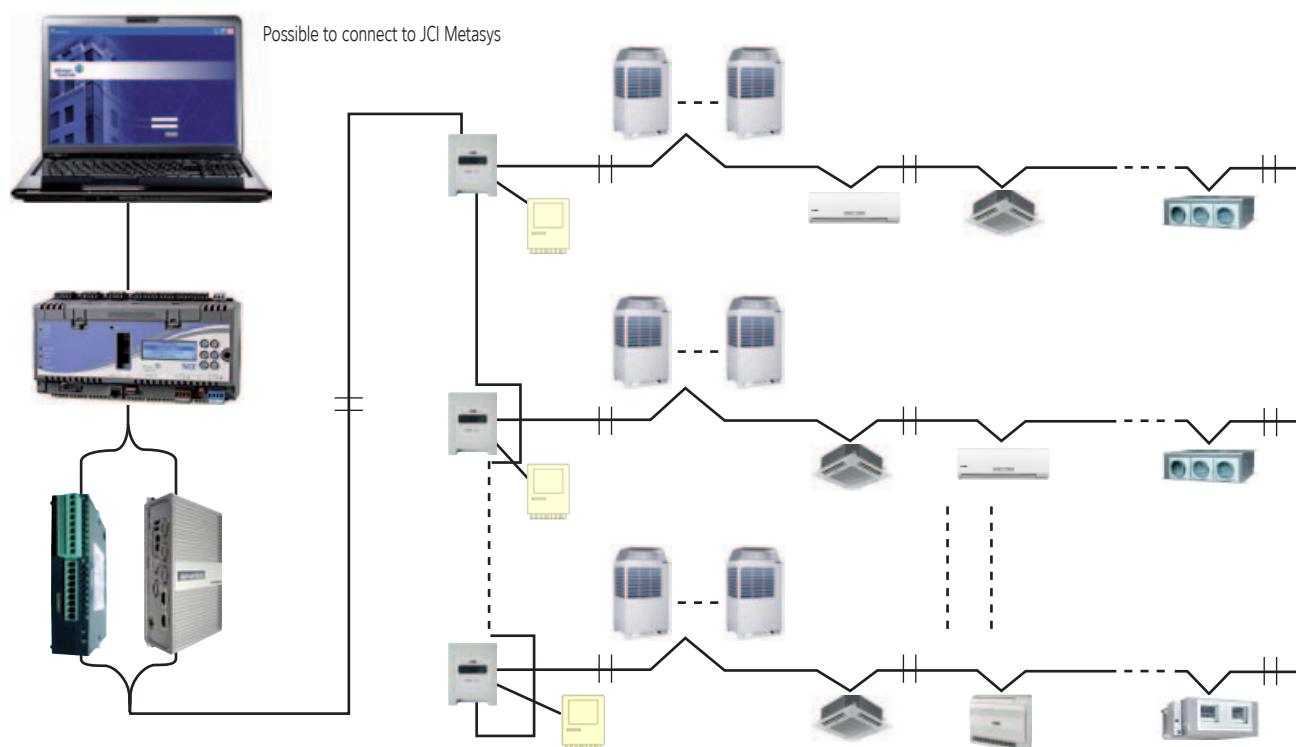


HCM-03 BacNet/IP Converter

Max. 72 indoor units control. Connect A/C system to BMS by BacNet/IP protocol.

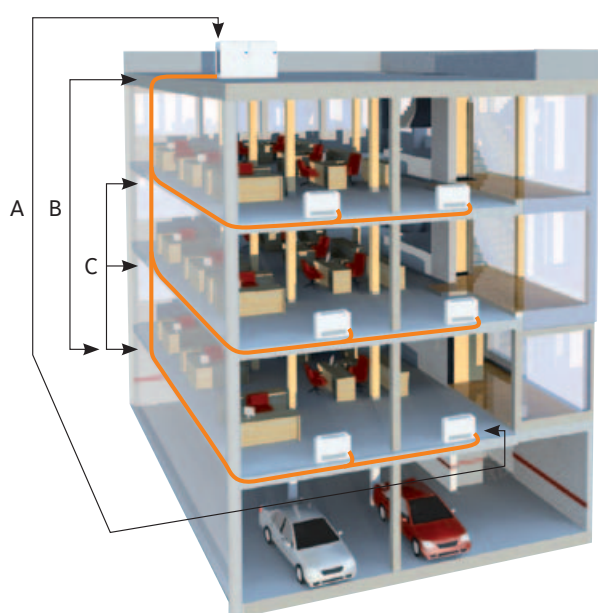


VRF System – System Diagram



Piping accessories

Model	Name	Function	Application
FQG-B335A	Indoor mainfold pipe	Refrigerant distribution	Total indoor units capacity < 33.5 kW
FQG-B506A	Indoor mainfold pipe	Refrigerant distribution	33.5 kW ≤ Total indoor units capacity < 50.6 kW
FQG-B730A	Indoor mainfold pipe	Refrigerant distribution	50.6 kW ≤ Total indoor units capacity < 72 kW
FQG-B1350A	Indoor mainfold pipe	Refrigerant distribution	73 kW ≤ Total indoor units capacity
HZG-20A	Outdoor branch pipe	Refrigerant gathering	2 module combinations
HZG-30A	Outdoor branch pipe	Refrigerant gathering	3 module combinations



YORK VRF System

The YORK system with DC Inverter Scroll is working like the VRF principle and offers you economical air-conditioning system for projects, which are requiring more capacity than the normal split and multi split solutions.

The lengths for the connecting tubes between the indoor and outdoor have been prolonged, which brings you more flexible solutions for complex air-conditioning projects.

A – Maximum single way pipe length : 150 m.

B – Maximum difference in height : 50 m.

C – Maximum difference in height between 2 indoor units : 15 m.

About Johnson Controls

Johnson Controls delivers products, services and solutions that increase energy efficiency and lower operating costs in buildings for more than one million customers.

Operating from 500 branch offices in more than 150 countries, the company is a leading provider of equipment, controls and services for heating, ventilating, air-conditioning, refrigeration and security systems. Johnson Controls is involved in more than 500 renewable energy projects including solar, wind and geothermal technologies.

Its solutions have reduced carbon dioxide emissions by 13.6 million metric tons and generated savings of \$7.5 billion since 2000. Many of the world's largest companies rely on Johnson Controls to manage 1.5 billion square feet of their commercial real estate.



PUBL-7168