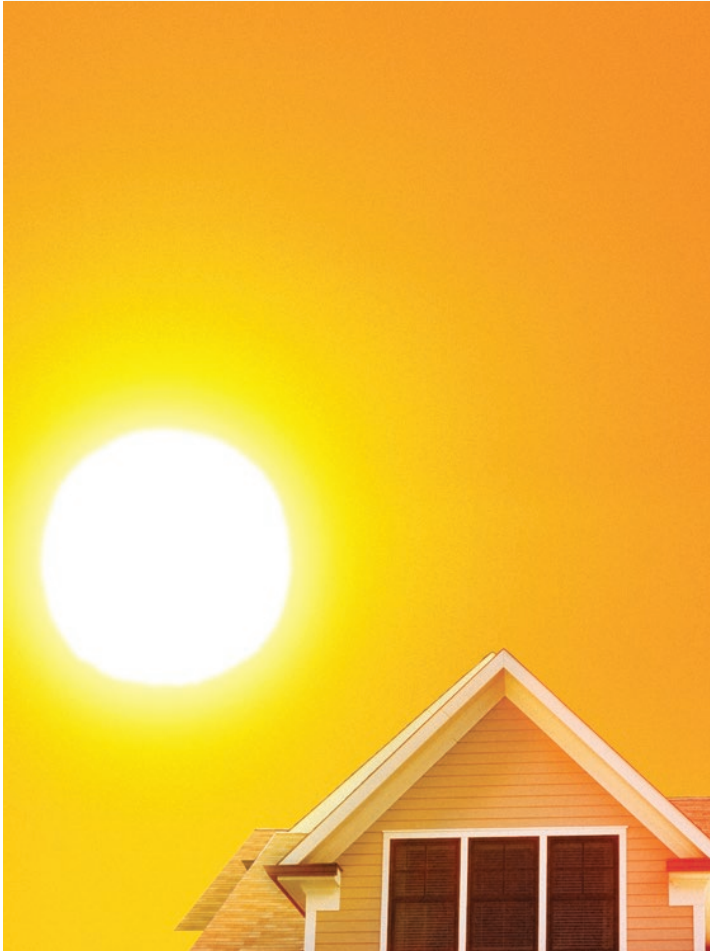


 **YORK**<sup>®</sup>  
INSTALL CONFIDENCE



YORK<sup>®</sup> Residential & VRF 2016



A more comfortable,  
safe and sustainable world

# 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.



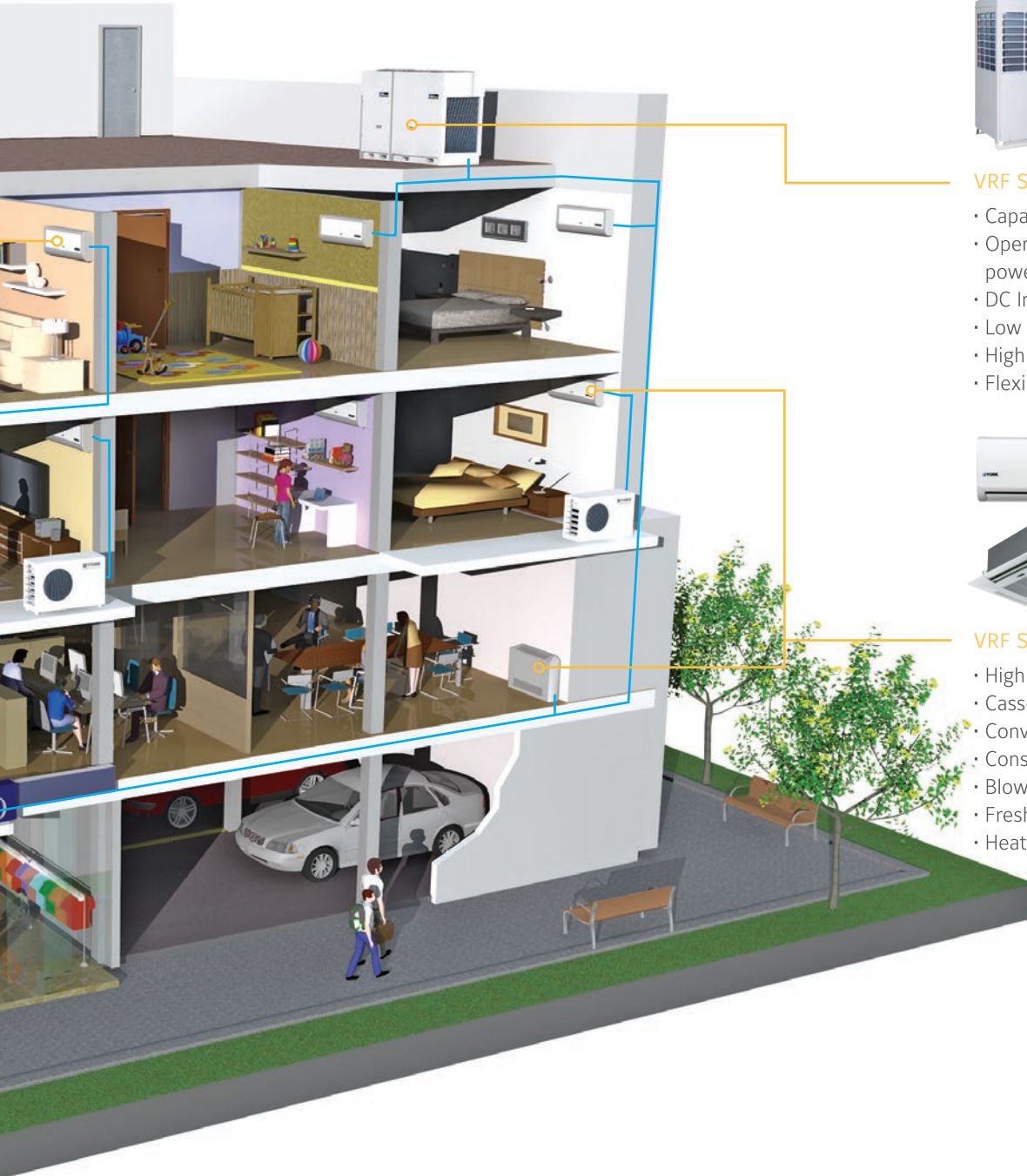
## MINISPLIT SOLUTIONS

- High Wall inverter
- Multisplit inverter
- Floor/ceiling inverter
- Cassette inverter
- Blower inverter



The majority of our products are already rated as Class A or more 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 211 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

Pag.

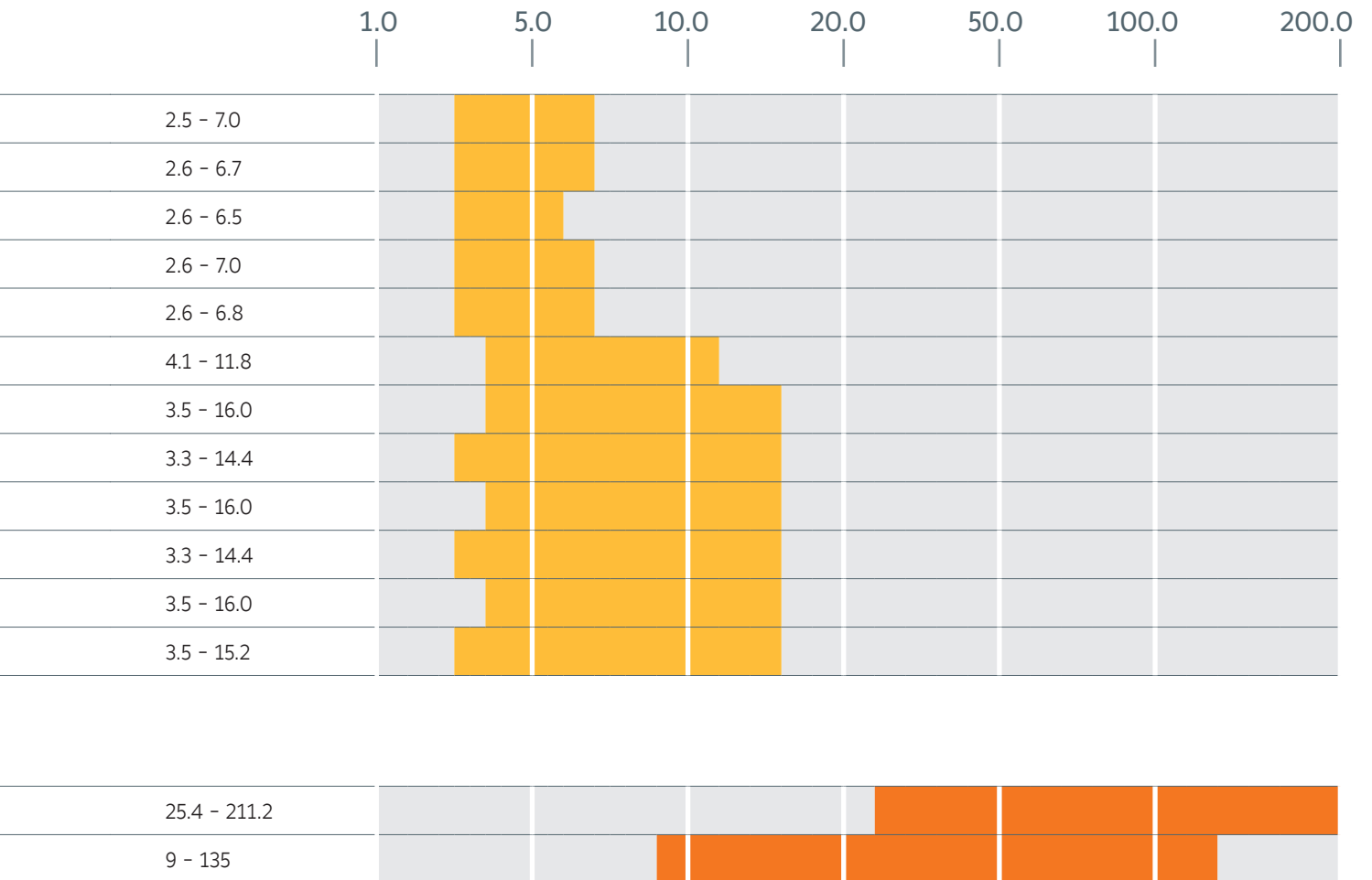
## Split Systems

High wall High Efficiency Inverter	YWHJZH 09 to 24	18
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Cooling capacity kW













# efficient comfort

## HIGH EFFICIENCY INVERTER RANGE

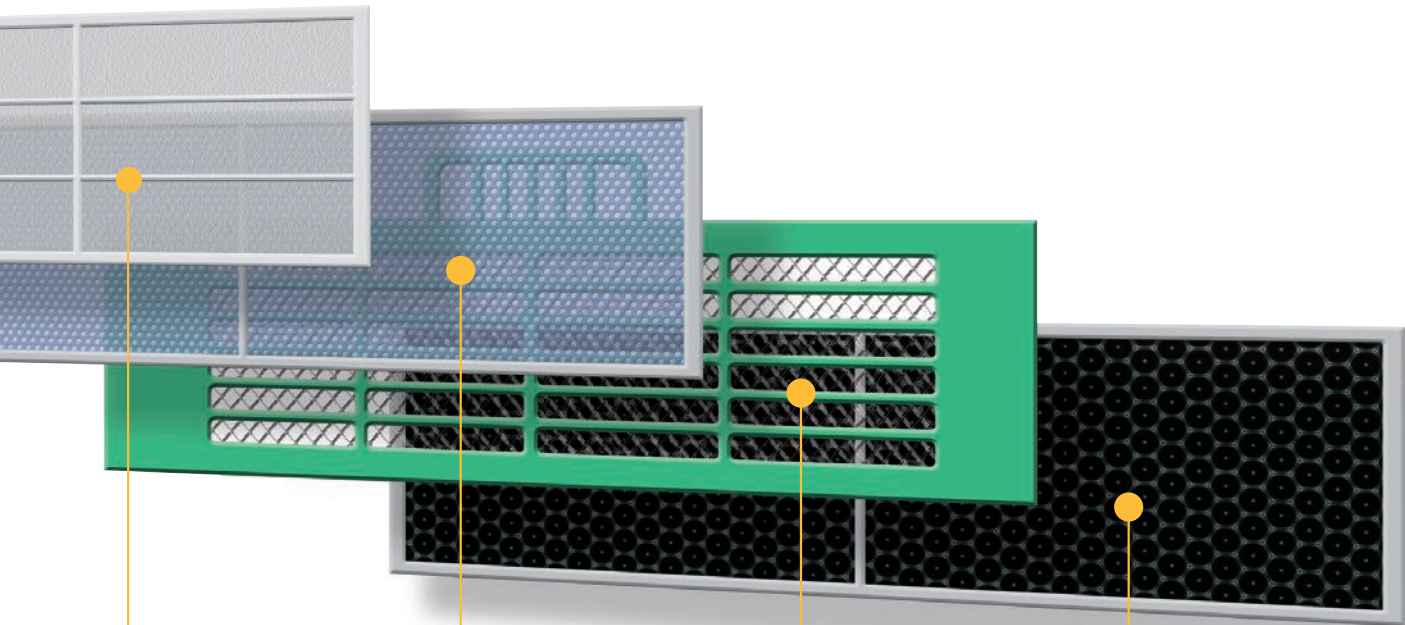
The High Wall inverter air conditioners have been designed thinking about comfort and sustainability. Comfort as the ultimate technology of DC Inverter compressor installed in these units is able to achieve high performances in heating and cooling mode, the temperature variations in the room are minimized 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.





# 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

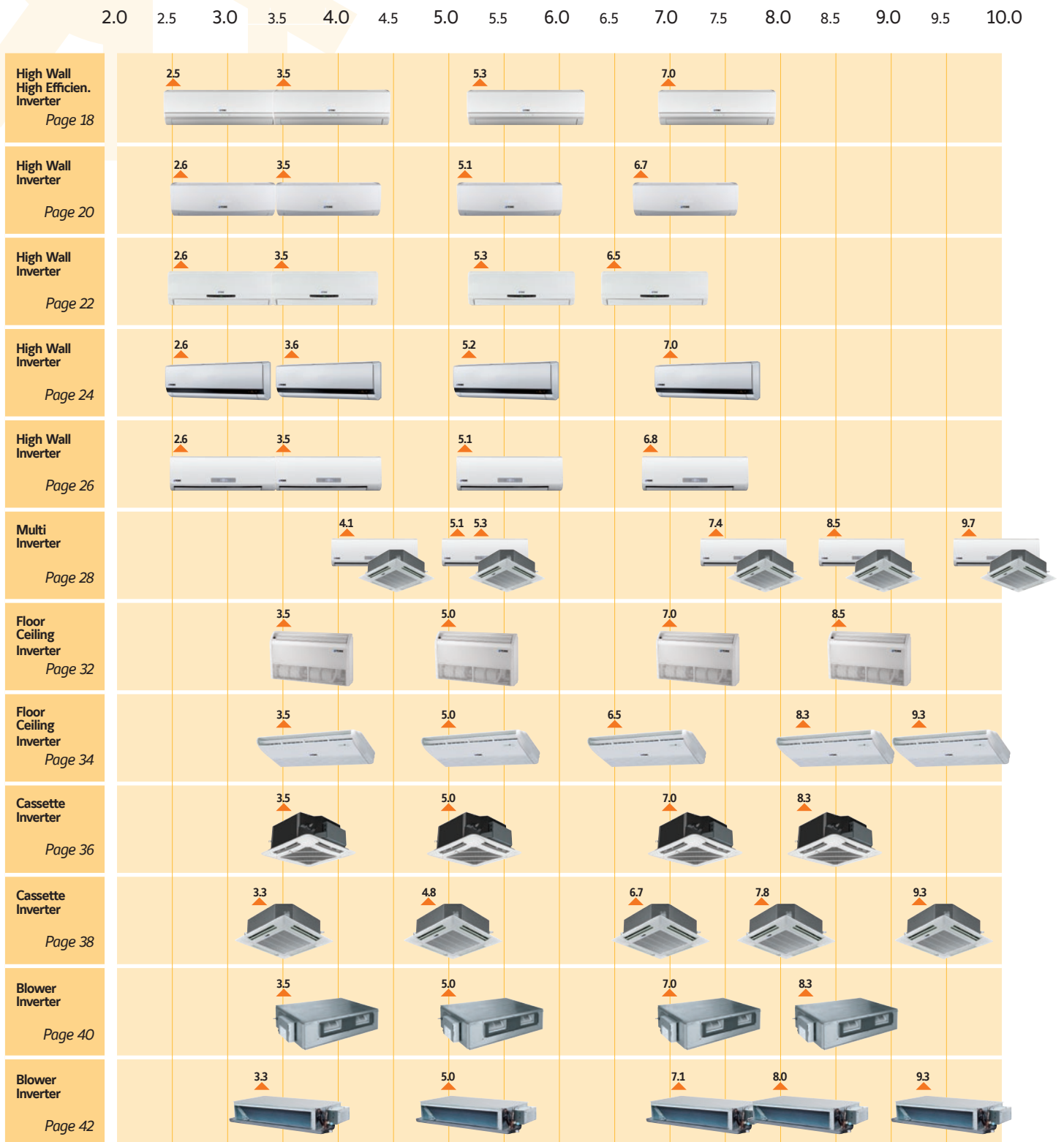
Active Carbon Filter eliminates certain kinds of odors such as ammonia (NH<sub>3</sub>) and deactivates harmful chemical gas such as formaldehyde (HCHO).



## 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.

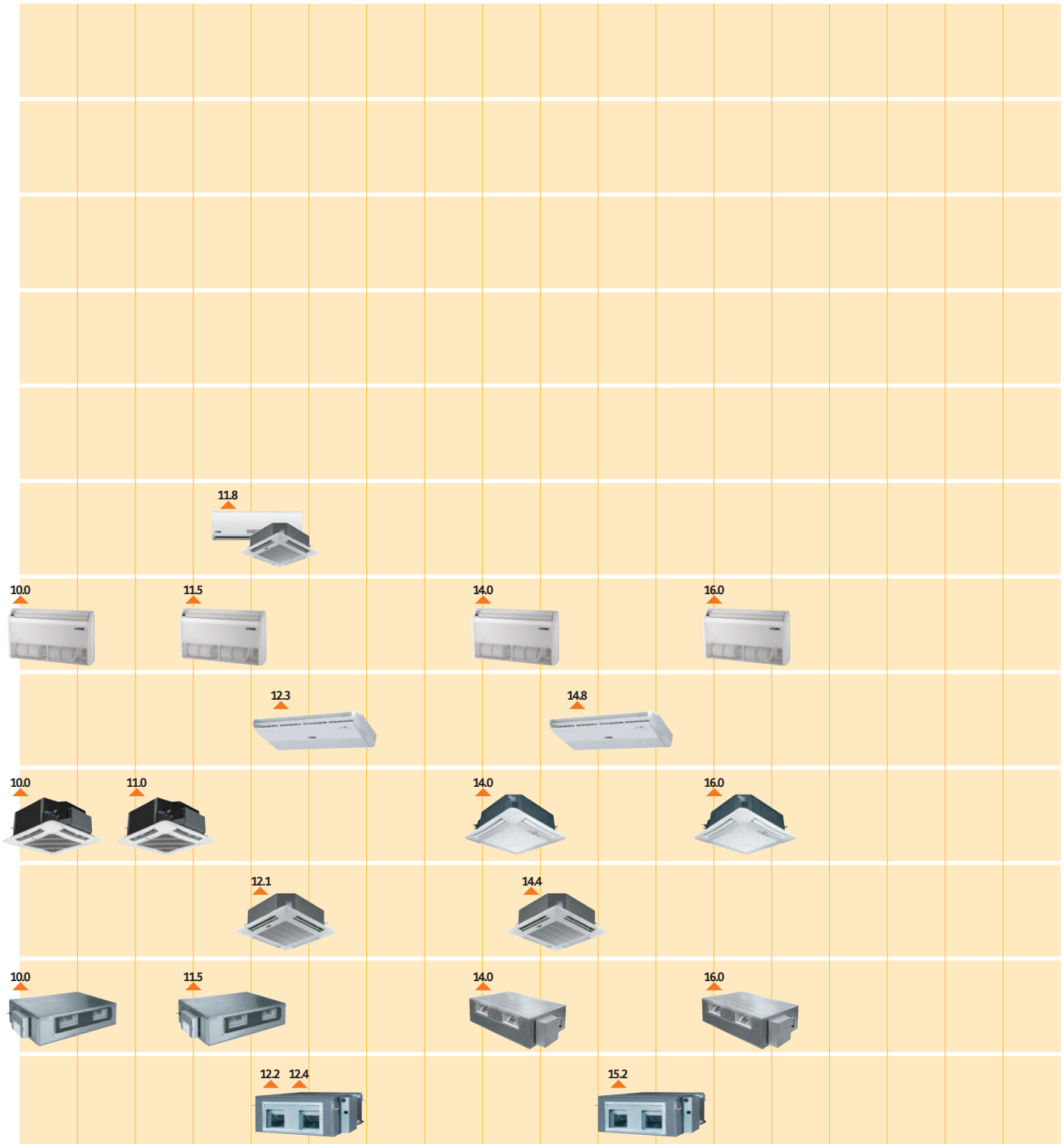
# Range Capacities



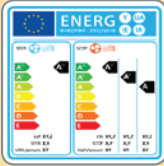
\* ErP documents for product below 12kW available in <https://virtualbranch.johnsoncontrols.com/vb/catalog/HVAC-Equipment/6/Minisplits/33>

**kW**

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

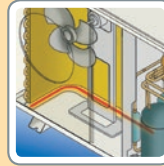


# Main Features



## 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.



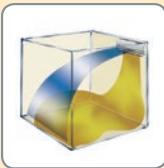
## Auto-Restart Function

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.



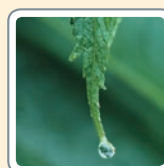
## Condensate pump

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 (NH<sub>3</sub>) 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

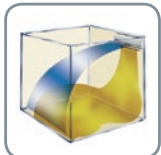
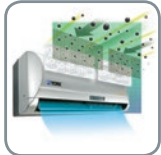


Low Ambient Kit

# High Wall High Efficiency Inverter

YWHJZH 09 to 24 K

A complete range from 2.5 kW to 7.0 kW



## Features

- DC Inverter compressor
- Low noise levels
- Ultra high SEER & SCOP, class A++ or more
- Multi louvers design for faster heating
- Quiet design with low noise
- 8°C heating
- 3 sleep modes/curves
- Intelligent defrosting
- Automatic clean and restart
- Self diagnosis
- LED display
- Overlong distance air flow
- 7 fan speeds with turbo cooling
- 3D-airflow with auto horizontal airflow (Left/Right)
- Low Ambient Kit
- Heater cable
- Service valve protection cover
- **Blue fin protection (indoor and outdoor units)**



## Remote controller

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



# High Wall High Efficiency Inverter

YWHJZH 09 to 24 K



## Technical features

Set reference			YWHJZH_BAR_AKX				
Indoor unit	Sizes	YWHJXH009BAR1-FX	YWHJXH009BAR2-FX	YWHJXH012BAR1-FX	YWHJXH018BAR1-FX	YWHJXH024BAR1-FX	
Outdoor unit	Sizes	YWHJYH009BAR1AKX	YWHJYH009BAR2AKX	YWHJYH012BAR1AKX	YWHJYH018BAR1AKX	YWHJYH024BAR1AKX	
Cooling capacity	kW	2.5 (0.6 - 3.2)	2.6 (0.6 - 3.2)	3.5 (0.6 - 4.0)	5.3 (1.0 - 6.3)	7.0 (2.0 - 8.6)	
Heating capacity	kW	3.2 (0.6 - 4.0)	3.0 (0.6 - 4.0)	4.0 (0.6 - 5.0)	5.4 (1.0 - 6.8)	7.3 (1.9 - 9.0)	
Compressor	Type	Rotary					
Refrigerant		R410A					
Power supply	V/Ph/Hz	230 / 1 / 50 + E					
Power input	cooling	kW	0.60	0.60	0.90	1.51	2.00
	heating	kW	0.80	0.65	1.00	1.45	1.96
EER		4.17	4.33	3.89	3.50	3.50	
SEER		7.60	8.50	8.00	6.40	6.30	
COP		4.00	4.62	4.00	3.72	3.72	
SCOP		4.70	5.10	4.70	4.00	4.00	
Energy Class	cooling	A++	A+++	A++	A++	A++	
	heating	A++	A+++	A++	A+	A+	
Indoor airflow	m³/h	550	650	750	950	1 200	
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	26 / 29 / 36	26 / 30 / 36	26 / 30 / 36	34 / 38 / 44	37 / 42 / 50
	Outdoor	dB(A)	50	54	54	56	58
Dimensions	Indoor	H (mm)	292	292	292	319	326
		W (mm)	816	866	866	1 018	1 178
		D (mm)	209	209	209	230	264
	Outdoor	H (mm)	540	596	596	700	790
		W (mm)	848	899	899	955	980
		D (mm)	320	378	378	396	427
Net weight	Indoor unit	kg	10.5	11	11	14	17
	Outdoor unit	kg	35	41	43	47.5	65
Piping	Type of connection		Flare				
	Diameter	Gas	3/8"	3/8"	1/2"	5/8"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"	1/4"
Refrigerant charge	g	1 220	1 200	1 300	1 600	2 300	
Pipe run	Length	m	15	15	20	25	25
	Height	m	10	10	10	10	10
Operating limit - cooling mode	min./max.	-15°C / +48°C			-15°C / +43°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	09	12	18	24
Electrostatic dedusting filter			Optional		
Silver ion filter			Optional		
Active carbon filter			Optional		
Wired control			Optional		



Manufacturer reserves the rights to change specifications without prior notice.

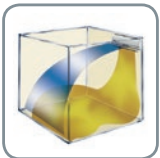
# High Wall Inverter

YHKE 09 to 24 K

A complete range from 2.6 kW to 6.7 kW

**NEW**

*Estimated availability  
March '16*



## Features

- High SEER & SCOP, Class A++
- DC Inverter compressor
- Low noise levels
- Dry mould proof
- Automatic restart
- Automatic air sweep
- Intelligent defrosting
- 8°C heating
- Self diagnosis
- Low Ambient Kit
- 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
- ON/OFF timer
- I FEEL function
- Air flow direction setting
- LCD display
- Turbo mode
- Lock button function



# High Wall Inverter

YHKE 09 to 24 K



## Technical features

Set reference			YHKE_ZEEARAORK			
Indoor unit	Sizes	YHKE09XEEARA-RK	YHKE12XEEARA-RK	YHKE18XEEARA-RK	YHKE24XEEARA-RK	
Outdoor unit	Sizes	YHKE09YEEARAO-K	YHKE12YEEARAO-K	YHKE18YEEARAO-K	YHKE24YEEARAO-K	
Cooling capacity	kW	2.6 (0.5 - 3.2)	3.5 (0.6 - 4.0)	5.1 (1.3 - 6.6)	6.7 (2.0 - 8.2)	
Heating capacity	kW	2.8 (0.5 - 4.1)	3.7 (0.6 - 5.1)	5.3 (1.1 - 6.8)	7.3 (2.0 - 8.5)	
Compressor	Type	Rotary				
Refrigerant		R410A				
Power supply	V/Ph/Hz	230 / 1 / 50 + E				
Power input	cooling	kW	0.80	1.08	1.58	1.87
	heating	kW	0.75	0.98	1.41	1.94
EER		3.23	3.22	3.25	3.57	
SEER		6.10	6.10	6.10	6.30	
COP		3.70	3.71	3.74	3.73	
SCOP		4.00	4.00	4.00	4.00	
Energy Class	cooling	A++	A++	A++	A++	
	heating	A+	A+	A+	A+	
Indoor airflow (high speed)	m³/h	560	660	800	1 150	
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	26 / 32 / 36	26 / 33 / 39	36 / 39 / 42	39 / 42 / 45
	Outdoor	dB(A)	52	53	56	60
Dimensions	Indoor	H (mm)	275	289	300	325
		W (mm)	790	845	970	1 078
		D (mm)	200	209	224	246
	Outdoor	H (mm)	540	540	700	700
		W (mm)	776	776	955	955
		D (mm)	320	320	396	396
Net weight	Indoor unit	kg	9	10	13.5	17
	Outdoor unit	kg	28	29	45	53
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	1 900	
Pipe run	Length	m	19	20	25	25
	Height	m	10	10	10	10
Operating limit - cooling mode	min./max.	-15°C / +43°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	
Cold Plasma filter			Optional	
Active carbon filter			Optional	

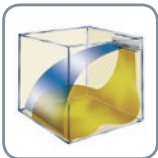


Manufacturer reserves the rights to change specifications without prior notice.

# High Wall Inverter

YEHJZH 09 to 24 K

A complete range from 2.6 kW to 6.5 kW



## Features

- High SEER & SCOP, Class A++
- DC Inverter compressor
- Low noise levels
- Dry mould proof
- Automatic restart
- Automatic air sweep
- Intelligent defrosting
- 8°C heating
- Self diagnosis
- Low Ambient Kit
- 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
- ON/OFF timer
- I FEEL function
- Air flow direction setting
- LCD display
- Turbo mode
- Lock button function



# High Wall Inverter

## YEJZH 09 to 24 K



### Technical features

Set reference			YEJZH_BAM1AKX			
Indoor unit		Sizes	YEJXH009BAM1-FX	YEJXH012BAM1-FX	YEJXH018BAM1-FX	YEJXH024BAM1-FX
Outdoor unit		Sizes	YEJYH009BAM1AKX	YEJYH012BAM1AKX	YEJYH018BAM1AKX	YEJYH024BAM1AKX
Cooling capacity		kW	2.6 (0.6 - 3.2)	3.5 (0.6 - 3.9)	5.3 (1.3 - 6.6)	6.5 (2.5 - 6.8)
Heating capacity		kW	3.0 (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			2.99	2.99	3.25	2.96
SEER			6.10	6.10	6.10	6.10
COP			3.33	3.33	3.30	3.15
SCOP			4.00	4.00	4.00	4.00
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	30 / 35 / 40	33 / 37 / 43	39 / 42 / 47
	Outdoor	dB(A)	51	53	56	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	9	9	12	15
	Outdoor unit	kg	28	29	45	55
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	1 350	1 800
Pipe run	Length	m	15	15	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	
Cold Plasma filter			Optional	
Active carbon filter			Optional	

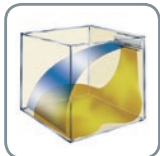


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# High Wall Inverter

YLHJZH 09 to 24

A complete range from 2.6 kW to 7.0 kW



## Features

- DC Inverter compressor
- Low noise levels
- Ultra high SEER and high SCOP, Class A++
- Dry mould proof
- Automatic restart
- Automatic air sweep
- Sleep mode function
- Self-diagnosis
- Evaporator self-cleaning
- Anti-mold filter
- Low Ambient Kit
- 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

YLHJZH 09 to 24



## Technical features

Set reference			YLHJZH			
Indoor unit	Sizes	YLHJXH-09	YLHJXH-12	YLHJXH-18	YLHJXH-24	
Outdoor unit	Sizes	YLHJYH-09	YLHJYH-12	YLHJYH-18	YLHJYH-24	
Cooling capacity	kW	2.6 (0.9-3.2)	3.6 (1.4-3.9)	5.2 (1.5-5.6)	7.0 (2.0-7.3)	
Heating capacity	kW	2.8 (1.4-3.2)	3.7 (1.4-4.1)	5.8 (1.6-6.0)	7.5 (2.5-7.8)	
Compressor	Type	Rotary				
Refrigerant		R410A				
Power supply	V/Ph/Hz	230 / 1 / 50 + E				
Power input	cooling	kW	0.71	1.00	1.53	2.18
	heating	kW	0.68	0.95	1.70	2.20
EER		3.66	3.60	3.40	3.21	
SEER		6.4	6.1	6.2	6.11	
COP		4.12	3.89	3.41	3.41	
SCOP		4	4	4.01	4	
Energy Class	cooling	A++	A++	A++	A++	
	heating	A+	A	A	A	
Indoor airflow	m³/h	450	500	900	1 200	
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	26 / 33 / 39	27 / 34 / 40	35 / 40 / 44	37 / 43 / 47
	Outdoor	dB(A)	51	52	53	55
Dimensions	Indoor	H (mm)	280	280	322	336
		W (mm)	855	855	997	1 115
		D (mm)	204	204	235	248
	Outdoor	H (mm)	540	540	688	730
		W (mm)	780	780	810	860
		D (mm)	245	245	288	308
Net weight	Indoor unit	kg	10	10	13	16
	Outdoor unit	kg	29	31.2	43	49
Piping	Type of connection		Flare			
	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	3/8"
Refrigerant charge	g	900	1 200	1 300	1 600	
Pipe run	Length	m	15	15	15	15
	Height	m	10	10	10	10
Operating limit - cooling mode	min./max.	-5°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	

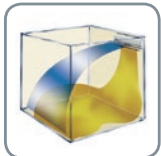


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# High Wall Inverter

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 (1.3-3.0)	3.5 (1.4-3.9)	5.1 (1.5-5.5)	6.8 (2.0-7.0)	
Heating capacity	kW	2.8 (1.4-3.2)	3.7 (1.4-4.1)	5.1 (1.7-6.4)	7.0 (2.5-7.6)	
Compressor	Type	Rotary				
Refrigerant		R410A				
Power supply	V/Ph/Hz	230 / 1 / 50 + E				
Power input	cooling	kW	0.83	1.16	1.70	2.20
	heating	kW	0.81	1.08	1.48	2.16
EER		3.13	3.01	3.00	3.09	
SEER		5.10	5.10	5.10	5.10	
COP		3.46	3.43	3.45	3.24	
SCOP		3.80	3.80	3.80	3.80	
Energy Class	cooling	A	A	A	A	
	heating	A	A	A	A	
Indoor airflow	m³/h	450	500	700	1 100	
Sound pressure at 1 m	Indoor (L/M/H)	dB(A)	26 / 33 / 38	27 / 33 / 38	35 / 40 / 44	37 / 42 / 47
	Outdoor	dB(A)	51	52	54	59
Dimensions	Indoor	H (mm)	265	265	265	299
		W (mm)	795	795	938	1 046
		D (mm)	187	187	187	234
	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	13
	Outdoor unit	kg	29.5	32	35	50
Piping	Type of connection		Flare			
	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	3/8"
Refrigerant charge	g	900	1 200	1 350	1 600	
Pipe run	Length	m	15	15	25	25
	Height	m	10	10	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	

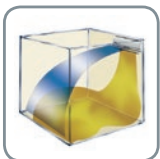


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# Multi Inverter Free Indoor Units

YJU\_YH 014 to 045

A complete range from 4.1 kW to 11.8 kW



## 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)**
- **Same indoor units as Single Splits**



## 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 014 to 045



## Technical features Outdoor units

Model		YJU_YH							
Outdoor units	Sizes	YJU2YH014	YJU2YH018	YJU3YH019	YJU4YH025	YJU4YH030	YJU5YH034	YJU5YH045	
Indoor units	number	2 indoor units	2 indoor units	3 indoor units	4 indoor units	4 indoor units	5 indoor units	5 indoor units	
Cooling capacity	kW	4.1 (1.2 ~ 4.5)	5.1 (1.3 ~ 5.8)	5.3 (1.5 ~ 7.0)	7.4 (1.5 ~ 9.0)	8.5 (1.5 ~ 9.8)	9.7 (1.5 ~ 11.0)	11.8 (1.5 ~ 13.4)	
Heating capacity	kW	4.4 (1.5 ~ 5.0)	5.8 (1.9 ~ 6.6)	6.3 (1.8 ~ 8.1)	8.3 (1.8 ~ 9.5)	9.5 (1.8 ~ 10.5)	10.3 (1.8 ~ 11.5)	12.2 (1.8 ~ 14.0)	
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	2.94	
	heating kW	1.12	1.41	1.52	2.06	2.43	2.85	2.85	
EER		3.9	3.5	3.8	3.5	3.5	3.3	3.09	
SEER		5.56	5.59	6.6	6.6	6.6	6.6	6.6	
COP		4.03	3.74	4.30	3.80	4.00	3.90	3.80	
SCOP		3.8	4.0	4.0	4.0	4.0	4.0	3.8	
Energy Class	cooling	A	A	A++	A++	A++	A++	A++	
	heating	A	A+	A+	A+	A+	A+	A	
Airflow (outdoor unit)	m³/h	1 900	2 900	2 000	3 500	4 000	4 000	4 200	
Sound pressure level	dB(A)	62	63	52	56	56	58	60	
Dimensions outdoor unit	Height	mm	540	688	688	840	840	840	830
	Width	mm	780	810	886	948	948	948	1 008
	Depth	mm	270	288	289	340	340	340	447
Net weight outdoor unit	kg	38	43.5	51	74	76	77	90	
Type of connection		Flare							
Piping	Diameter	Gas	3/8"	3/8"	3 x 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"	3 x 3/8" + 2 x 1/2"
		Liquid	1/4"	1/4"	3 x 1/4"	4 x 1/4"	4 x 1/4"	5 x 1/4"	5 x 1/4"
Max pipe run *	Length	m	30	30	50	70	70	80	100
	Height	m	15	15	15	15	15	15	15
Refrigerant charge	g	1 200	1 400	2 000	3 100	3 200	3 400	3 200	
Operating limits cooling mode	min/max	-10°C / +46°C							
Operating limits heating mode	min/max	-15°C / +24°C							

\* values for all the system (all indoor units connected)

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)



Manufacturer reserves the rights to change specifications without prior notice.

# Indoor units technical features



## High Wall

### Features

- Active carbon electrostatic filter
- Automatic air sweep

Indoor units		Sizes	YJHMXH				
			07 *	09 *	12	18	24
Cooling capacity		kW	2.0	2.7	3.6	5.2	7.0
Heating capacity		kW	2.2	2.8	3.7	5.8	7.5
Power supply		V/Ph/Hz	230 / 1 / 50 + E				
Indoor airflow		m <sup>3</sup> /h	600	600	650	900	1 200
Sound pressure level	H / M / L	dB(A)	38 / 33 / 26	38 / 33 / 26	39 / 34 / 27	44 / 40 / 35	47 / 43 / 37
Dimensions	H / W / D	mm	280 / 855 / 204	280 / 855 / 204	280 / 855 / 204	322 / 997 / 235	336 / 1115 / 248
Net Weight		kg	10	10	10	13	16
		Type of connection	Flare				
Piping	Diameter	Gas	3/8"	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"	1/4"



### Features

- Floor/Ceiling
- Automatic air sweep

## Floor / Ceiling

Indoor units		Sizes	YHFMXH		
			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		m <sup>3</sup> /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
		Type of connection	Flare		
Piping	Diameter	Gas	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	3/8"

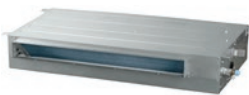


### Features

- Condensate pump included
- Automatic air sweep

## Cassette

Indoor units		Sizes	YHKMXH			
			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		m <sup>3</sup> /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"



### Features

- Slim size
- Air filter included
- Wired control included

## Slim duct

Indoor units		Sizes	YH3MXH			
			09 *	12	18	24
Cooling capacity		kW	2.7	3.5	5.0	7.1
Heating capacity		kW	2.8	3.9	6.4	7.2
Power supply		V/Ph/Hz	230 / 1 / 50 + E			
Indoor airflow		m <sup>3</sup> /h	530	600	900	1 100
Static pressure		Pa	30	30	30	30
Sound pressure level	H / M / L	dB(A)	33 / 29 / 26	35 / 31 / 27	36 / 30 / 26	39 / 32 / 29
Dimensions	H / W / D	mm	185 / 850 / 420	185 / 850 / 420	185 / 1 170 / 420	185 / 1 170 / 420
Net Weight		kg	15.9	15.9	25	27
		Type of connection	Flare			
Piping	Diameter	Gas	3/8"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	3/8"



### Features

- Air filter included
- Wired control included

## Duct

Indoor units		Sizes	YHDMXH			
			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		m <sup>3</sup> /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"

\* Sizes 07 & 09 only available for Multi Splits

# Indoor unit combinations

YJU2YH014 (2x1)

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

YJU2YH018 (2x1)

Number connecting units	
2 x 1	
7+7	9+9
7+9	9+12
7+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	9+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		5 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	9+9+9+12
18+24	7+12+12	12+12+18	7+7+9+18	9+9+9+18	9+9+9+18
24+24	7+12+18	12+12+24	7+7+9+24	9+9+12+12	9+9+9+12+12
	7+12+24	12+18+18	7+7+12+12	9+12+12+12	
	9+9+9	18+18+18	7+7+12+18	12+12+12+12	

YJU5YH045 (5x1)

Number connecting units					
2 x 1	3 x 1		4 x 1		5 x 1
7+18	7+7+12	9+9+18	7+7+7+7	7+9+9+18	7+7+7+12+24
7+24	7+7+18	9+9+24	7+7+7+9	7+9+9+24	7+7+9+9+9
9+18	7+7+24	9+12+12	7+7+7+12	7+9+12+12	7+7+9+9+12
9+24	7+9+9	9+12+18	7+7+7+18	7+12+12+12	7+7+9+9+18
12+18	7+9+12	9+12+24	7+7+7+24	9+9+9+9	7+7+9+9+24
12+24	7+9+18	12+12+12	7+7+9+9	9+9+9+12	9+9+9+9+9
18+18	7+9+24	12+12+18	7+7+9+12	9+9+9+18	9+9+9+9+12
18+24	7+12+12	12+12+24	7+7+9+18	9+9+9+24	9+9+9+9+18
24+24	7+12+18	12+18+18	7+7+9+24	9+9+12+12	9+9+9+12+12
	7+12+24	12+18+24	7+7+12+12	9+9+12+18	9+9+9+12+18
	9+9+9	18+18+18	7+7+12+18	9+12+12+12	
	9+9+12		7+7+12+24	9+12+12+18	
			7+9+9+9	9+12+12+24	
			7+9+9+12		

# Floor/Ceiling Inverter

YGFJZH 12 to 60

A complete range from 3.5 kW to 16.0 kW



## Features

- High SEER & SCOP, Class A++ mainly
- Inverter DC compressor and fan motor
- Washable filter
- Convertible - floor or ceiling
- Automatic restart
- Automatic air sweep
- Horizontal and vertical air sweep function
- Different swing angle design for cooling and heating
- 3D airflow
- Low Ambient Kit
- Intelligent defrosting
- Service valve protection cover
- Rustproof casing
- Self diagnosis
- **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





# Floor/Ceiling Inverter

YGJFZH 12 to 60



## Technical features

Set reference		YGJFZH									
Indoor unit	Sizes	YGJFJXH 12	YGJFJXH 18	YGJFJXH 24	YGJFJXH 30	YGJFJXH 36	YGJFJXH 42	YGJFJXH 48	YGJFJXH 60		
Outdoor unit	Sizes	YGJUYJH 12	YGJUYJH 18	YGJUYJH 24	YGJUYJH 30	YGJUYJH 36	YGJUYJH 42	YGJUYJH 48	YGJUYJH 60		
Cooling capacity	kW	3.5 (0.9-3.9)	5.0 (1.6-5.8)	7.0 (2.4-8.2)	8.5 (2.6-9.2)	10.0 (3.2-11.5)	11.5 (3.6-12.5)	14.0 (6.0-14.8)	16.0 (6.4-16.5)		
Heating capacity	kW	3.8 (0.9-4.1)	5.6 (1.4-6.8)	8.0 (2.4-9.0)	9.2 (2.4-9.9)	12.0 (2.9-14.5)	13.5 (3.9-15.5)	16.0 (5.2-18.0)	17.0 (5.5-20.0)		
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	1.09	1.55	2.18	2.67	3.20	3.90	4.80	5.75	
	heating	kW	1.05	1.55	2.21	2.57	3.40	3.70	4.30	4.70	
EER			3.21	3.23	3.21	3.18	3.12	2.95	2.92	2.78	
SEER			6.1	6.1	5.6	6.1	6.1	6.1	5.6	5.1	
COP			3.61	3.61	3.62	3.58	3.53	3.65	3.72	3.62	
SCOP			4.0	4.0	4.0	4.0	4.0	4.0	3.8	4.0	
Energy Class	cooling		A++	A++	A+	A++	A++	A++	A+	A	
	heating		A+	A+	A+	A+	A+	A+	A	A+	
Indoor airflow (High speed)	m³/h		700	1 000	1 200	1 500	1 900	1 900	2 300	2 500	
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	33 / 30 / 27	42 / 38 / 32	48 / 46 / 40	46 / 44 / 38	53 / 51 / 46	54 / 52 / 47	55 / 50 / 46	56 / 52 / 46	
	Outdoor	dB(A)	52	56	57	58	63	61	59	63	
Dimensions	Indoor	H (mm)	700	700	700	700	700	700	700	700	
		W (mm)	1 220	1 220	1 220	1 420	1 420	1 420	1 700	1 700	
		D (mm)	225	225	225	245	245	245	245	245	
	Outdoor	H (mm)	540	700	790	790	1 100	1 349	1 349	1 365	
		W (mm)	848	955	980	980	1 107	958	958	1 085	
		D (mm)	320	396	427	427	440	412	412	427	
Net weight	Indoor unit	kg	39	39	40	48	48	50	59	59	
	Outdoor unit	kg	34	47	67	71	92	95	105	126	
Piping	Type of connection		Flare								
	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	
	Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"		
Pipe run	Length	m	20	20	30	30	30	50	50	50	
	Height	m	15	15	15	15	15	30	30	30	
Operating limits - cooling mode	min/max	-15°C / +48°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

Size 36, 42 and 48: Values for single phase models.

## Accessories

Sizes	12	18	24	30	36	42	48	60
Wired control								Optional
Central control								Optional



Manufacturer reserves the rights to change specifications without prior notice.

# Floor/Ceiling Inverter

YHFJZH 12 to 60

A complete range from 3.5 kW to 14.8 kW



## 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)**
- **Same indoor models as Multi Splits (sizes 12 to 24)**



## 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	YHFMXH 12	YHFMXH 18	YHFMXH 24	YHFMXH 28	YHFMXH 36	YHFMXH 48	YHFMXH 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)	5.0 (1.7~5.3)	6.5 (1.8~6.7)	8.3 (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	3.9 (1.0~4.8)	5.4 (1.8~6.0)	6.7 (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	1.05	1.55	2.31	2.57	2.90	3.97	5.02
	heating	kW	1.08	1.53	2.22	2.48	2.93	4.08	4.62
EER			3.33	3.21	2.81	3.23	3.21	3.09	2.95
SEER			5.6	5.1	5.1	5.6	5.6	-	-
COP			3.61	3.52	3.01	3.63	3.62	3.38	3.28
SCOP			3.8	3.8	3.8	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	44 / 41 / 36	49 / 45 / 43	49 / 45 / 43	53 / 51 / 49	53 / 51 / 49
	Outdoor	dB(A)	52	54	57	58	58	59	60
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	26.3	28.3	28.3	37	37	54	54
	Outdoor unit	kg	31.2	43	49	64	65	82	96
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. For three phases models two models available (1 or two fans).

## Accessories

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



Manufacturer reserves the rights to change specifications without prior notice.

# Cassette Inverter

YGKJZH 12 to 60

A complete range from 3.5 kW to 16.0 kW



## Features

- High SEER & SCOP, Class A++ mainly
- Inverter DC compressor and fan motor
- Special low noise fan design
- Washable filter
- Fresh air intake
- Built-in drain pump
- Automatic restart
- Automatic air sweep
- Low Ambient Kit
- Intelligent defrosting
- Different swing angle design for cooling and heating
- Service valve protection cover
- Rustproof casing
- Self diagnosis
- **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



# Cassette Inverter

YGKJZH 12 to 60



## Technical features

Set reference		YGKJZH									
Indoor unit	Sizes	YGKJXH 12	YGKJXH 18	YGKJXH 24	YGKJXH 30	YGKJXH 36	YGKJXH 42	YGKJXH 48	YGKJXH 60		
Outdoor unit	Sizes	YGUJYH 12	YGUJYH 18	YGUJYH 24	YGUJYH 30	YGUJYH 36	YGUJYH 42	YGUJYH 48	YGUJYH 60		
Cooling capacity	kW	3.5 (0.9-3.9)	5.0 (1.6-5.5)	7.0 (2.4-8.5)	8.3 (2.6-9.2)	10.0 (3.2-11.5)	11.0 (3.3-12.0)	14.0 (6.0-14.8)	16.0 (6.5-16.5)		
Heating capacity	kW	3.8 (0.9-4.1)	5.5 (1.4-6.5)	8.0 (2.4-9.5)	9.2 (2.4-9.9)	12.0 (2.9-14.5)	12.5 (3.6-15.0)	16.0 (5.2-18.0)	17.0 (5.2-20.0)		
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	1.09	1.60	2.18	2.67	3.20	3.90	4.60	5.70	
	heating	kW	1.05	1.58	2.21	2.57	3.50	3.80	4.50	4.70	
EER			3.21	3.12	3.21	3.11	3.12	2.82	3.04	2.81	
SEER			5.6	5.6	6.1	6.1	6.1	5.6	6.1	6.1	
COP			3.61	3.48	3.62	3.58	3.43	3.29	3.56	3.62	
SCOP			4.0	3.8	4.0	4.0	4.0	4.0	3.8	4.0	
Energy Class	cooling		A+	A+	A++	A++	A++	A+	A++	A++	
	heating		A+	A	A+	A+	A+	A+	A	A+	
Indoor airflow (High speed)	m³/h	700	760	1 300	1 500	1 860	1 860	2 300	2 400		
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	45 / 41 / 36	46 / 44 / 37	46 / 42 / 38	48 / 45 / 40	49 / 46 / 43	49 / 46 / 43	52 / 47 / 41	53 / 47 / 41	
	Outdoor	dB(A)	52	56	57	58	63	61	59	63	
Dimensions	Indoor	H (mm)	596	596	840	840	840	840	910	910	
		W (mm)	596	596	840	840	840	840	910	910	
		D (mm)	240	240	240	320	320	320	290	290	
	Outdoor	H (mm)	540	700	790	790	1 100	1 349	1 349	1 365	
		W (mm)	848	955	980	980	1 107	958	958	1 085	
		D (mm)	320	396	427	427	440	412	412	427	
Panel H / W / D	mm	670/670/50	670/670/50	950/950/60	950/950/60	950/950/60	950/950/60	1040/1040/65	1040/1040/65		
Net weight	Indoor unit	kg	20	20	26	31	31	31	43	43	
	Panel	kg	5	5	11	11	11	11	12	12	
	Outdoor unit	kg	34	47	67	71	92	95	105	126	
Piping	Type of connection		Flare								
	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	
		Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
Pipe run	Length	m	20	20	30	30	30	50	50	50	
	Height	m	15	15	15	15	15	30	30	30	
Operating limits - cooling mode	min/max	-15°C / +48°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

Size 36, 42 and 48: Values for single phase models.

## Accessories

Sizes	12	18	24	30	36	42	48	60
Wired control								Optional
Central control								Optional



Manufacturer reserves the rights to change specifications without prior notice.

# Cassette Inverter

YHKJZH 12 to 60

A complete range from 3.3 kW to 14.4 kW



## Features

- High SEER & SCOP, Class A or more
- 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)**
- **Same indoor models as Multi Splits (sizes 12 to 24)**



## 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	YHKMXH 12	YHKMXH 18	YHKMXH 24	YHKMXH 28	YHKMXH 36	YHKMXH 48	YHKMXH 60	
Outdoor unit	Sizes	YHUJYH 12	YHUJYH 18	YHUJYH 24	YHUJYH 28	YHUJYH 36	YHUJYH 48	YHUJYH 60	
Cooling capacity	kW	3.3 (0.9~4.5)	4.8 (1.8~5.8)	6.7 (2.0~7.3)	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	3.5 (0.9~4.4)	5.0 (2.0~6.1)	7.0 (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	1.09	1.59	2.22	2.59	3.30	4.11	5.12
	Heating	kW	1.02	1.56	1.94	2.53	2.78	4.07	5.11
EER		3.01	3.01	3.01	3.01	3.10	2.94	2.81	
SEER		5.1	5.1	5.7	5.2	5.2	-	-	
COP		3.41	3.21	3.61	3.36	3.38	3.10	3.01	
SCOP		3.8	3.8	3.8	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	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)	52	54	57	58	58	59	60
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	80 / 950 / 1 340	
Net weight	Indoor unit	kg	18.5	18.5	26.8	26.8	31	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. For three phases models two models available (1 or two fans).

## Accessories

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



Manufacturer reserves the rights to change specifications without prior notice.

# Blower Inverter

YGEJZH 12 to 60

A complete range from 3.5 kW to 16.0 kW



## Features

- High SEER & SCOP, Class A+ or more
- Inverter DC compressor and fan motor
- Washable filter
- Automatic restart
- Condensate pump optional
- Low noise levels
- Wired control
- Low Ambient Kit
- Intelligent defrosting
- Fresh air intake
- 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





# Blower Inverter

YGEJZH 12 to 60



## Technical features

Set reference		YGEJZH								
Indoor unit	Sizes	YGEJXH 12	YGEJXH 18	YGEJXH 24	YGEJXH 30	YGEJXH 36	YGEJXH 42	YGEJXH 48	YGEJXH 60	
Outdoor unit	Sizes	YGUJYH 12	YGUJYH 18	YGUJYH 24	YGUJYH 30	YGUJYH 36	YGUJYH 42	YGUJYH 48	YGUJYH 60	
Cooling capacity	kW	3.5 (0.9-3.9)	5.0 (1.6-5.8)	7.0 (2.2-8.5)	8.3 (2.4-8.7)	10.0 (3.2-11.5)	11.5 (3.6-12.5)	14.0 (6.0-14.5)	16.0 (6.8-17.5)	
Heating capacity	kW	3.8 (0.9-4.1)	5.6 (1.4-6.8)	8.0 (2.4-9.5)	9.2 (2.4-9.9)	12.0 (2.9-14.5)	13.5 (3.9-15.5)	15.5 (5.2-17.0)	16.5 (5.3-18.8)	
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	1.17	1.55	2.18	2.67	3.20	4.00	4.70	5.60
	heating	kW	1.05	1.55	2.21	2.57	3.40	3.90	4.40	4.57
EER			3.00	3.23	3.21	3.11	3.12	2.88	2.98	2.86
SEER			5.6	5.6	6.1	6.1	5.6	5.6	6.1	5.6
COP			3.61	3.61	3.62	3.58	3.53	3.46	3.52	3.61
SCOP			4.0	3.8	4.0	4.0	4.0	3.8	3.8	3.8
Energy Class	cooling		A+	A+	A++	A++	A+	A+	A++	A+
	heating		A+	A	A+	A+	A+	A	A	A
Indoor airflow (High speed)	m³/h	750	1 000	1 400	1 400	2 100	2 100	2 400	3 000	
External static pressure	Pa	0 / 30	0 / 30	0 / 75	0 / 75	0 / 100	0 / 100	0 / 125	0 / 150	
Sound pressure at 1 m	Indoor (H/M/L)	dB(A)	36 / 34 / 28	39 / 36 / 28	46 / 44 / 40	46 / 44 / 40	52 / 48 / 44	52 / 48 / 44	53 / 49 / 45	56 / 54 / 49
	Outdoor	dB(A)	52	56	57	58	63	61	59	63
Dimensions	Indoor	H (mm)	721	721	558	558	775	775	750	750
		W (mm)	1 037	1 037	1 279	1 279	1 226	1 226	1 340	1 340
		D (mm)	266	266	268	268	290	290	350	350
	Outdoor	H (mm)	540	700	790	790	1 100	1 349	1 349	1 365
		W (mm)	848	955	980	980	1 107	958	958	1 085
		D (mm)	320	396	427	427	440	412	412	427
Net weight	Indoor unit	kg	33	33	34	34	46	46	56	57
	Outdoor unit	kg	34	47	67	71	92	95	105	126
Piping	Type of connection		Flare							
	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"
		Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Pipe run	Length	m	20	20	30	30	30	50	50	50
	Height	m	15	15	15	15	15	30	30	30
Operating limits - cooling mode	min/max	-15°C / +48°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

Size 36, 42 and 48: Values for single phase models.

## Accessories

Sizes	12	18	24	30	36	42	48	60
Condensate pump								Optional
Central control								Optional



Manufacturer reserves the rights to change specifications without prior notice.

# Blower Inverter

YH3JZH 12 to 24 / YHEJZH 28 to 48 / YHGJZH 48 to 60

A complete range from 3.5 kW to 15.2 kW



## Features

- High SEER & SCOP, Class A
- 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)**
- **Same indoor models as Multi Splits (sizes 12 to 24)**



## Wired control

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



# Blower Inverter

YH3JZH 12 to 24 / YHEJZH 28 to 48 / YHGJZH 48 to 60



## Technical features

Model		LOW STATIC PRESSURE *			MEDIUM STATIC PRESSURE			HIGH STATIC PRESSURE		
Set reference		YH3JZH			YHEJZH			YHGJZH		
Indoor unit	Sizes	YH3MXH 12	YH3MXH 18	YH3MXH 24	YHEJXH 28	YHEJXH 36	YHEJXH 48	YHGJXH 48	YHGJXH 60	
Outdoor unit	Sizes	YHUJYH 12	YHUJYH 18	YHUJYH 24	YHUJYH 28	YHUJYH 36	YHUJYH 48	YHUJYH 48	YHUJYH 60	
Cooling capacity	kW	3.3 (0.8-4.1)	5.0 (1.7-5.5)	7.1 (1.8-7.5)	8.0 (1.9-9.0)	9.3 (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	3.9 (0.9-4.4)	5.4 (1.8-6.0)	7.1 (2.8-7.6)	8.8 (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	1.02	1.55	2.21	2.83	3.31	4.34	4.31	5.37	
	heating	1.14	1.53	1.96	2.58	2.99	4.24	3.80	4.68	
EER		3.21	3.21	3.21	2.82	2.81	2.81	2.87	2.83	
SEER		5.1	5.1	5.6	5.1	5.1	-	-	-	
COP		3.41	3.51	3.61	3.41	3.41	3.21	3.61	3.42	
SCOP		3.8	3.8	4.0	3.8	3.8	-	-	-	
Energy Class	cooling	A	A	A+	A	A	-	-	-	
	heating	A	A	A+	A	A	-	-	-	
Indoor airflow	m³/h	550	900	1 100	2 090	2 090	2 090	2 580	2 580	
External static pressure	Pa	0 / 30	0 / 30	0 / 30	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	48 / 46 / 42	48 / 46 / 42	49 / 47 / 43	50 / 46 / 42	50 / 46 / 42
	Outdoor	dB(A)	52	54	57	58	58	59	58	59
Dimensions	Indoor	H (mm)	185	185	185	270	270	270	360	360
		W (mm)	850	1 117	1 117	1 135	1 135	1 135	1 197	1 197
		D (mm)	420	420	420	742	742	742	830	830
	Outdoor	H (mm)	540	688	730	840	840	830	830	1 250
		W (mm)	780	810	860	948	948	1 008	1 008	948
		D (mm)	245	288	308	340	340	410	410	340
Net weight	Indoor unit	kg	17	25	27	45.4	45.4	52	70	70
	Outdoor unit	kg	31.2	43	49	64	65	82	82	96
Piping	Type of connection	Flare								
	Diameter	Gas	3/8"	1/2"	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"
Pipe run	Length	m	15	25	25	30	30	50	50	50
	Height	m	10	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								

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. For three phases models two models available (1 or two fans).

\* Low static pressure models also available as indoor standard duct units (YHDMXH). For technical specifications reference to Multi Split pages.

## Accessories

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



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# VRF Systems

YV2VYH • R410A

YV2V • R410A

INDOOR UNIT TYPES

# VRF System High Efficiency

YV2VYH 025 to 204

Cooling capacities 25.4 kW to 211.2 kW

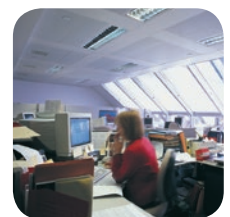


## VRF System

- Capacities from 25.4 to 211.2 kW
- Operating range of nominal power (10% - 130 %)
- DC Inverter Scroll Compressor
- Low noise levels
- High Efficiency. EER up to 4.29
- Modular design
- Long piping design up to 1000 m
- Big height gap design: 90 m
- Gap between indoors: 18 m
- 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)



### YV2VYH Technical features - Single module outdoor unit

Model	YV2VYH025	YV2VYH028	YV2VYH033	YV2VYH040	YV2VYH045	YV2VYH050	YV2VYH056	YV2VYH061	YV2VYH068	
Cooling capacity	kW	25.4	28.9	34.8	41.5	46.4	51.5	57.8	63.7	70.4
EER		4.29	4.00	3.90	3.55	3.47	3.42	3.34	3.18	3.09
Heating capacity	kW	28.1	32.4	37.9	45.8	51.1	57.2	63.7	70.1	73.9
COP		4.30	4.19	3.71	3.84	3.82	3.74	3.75	3.73	3.83
Air flow in cooling	m³/h	15 000	15 000	15 000	15 000	15 600	16 200	16 200	16 200	16 200
Sound Pressure Level at 1 m	dB(A)	57	57	59	59,5	61	62	62	62	63
<b>Electrical features</b>										
Power supply		380V-3-50/60Hz								
Power input "cooling"	kW	5.87	7.00	8.60	11.27	12.97	14.73	16.79	19.37	21.98
Power input "heating"	kW	6.28	7.52	10.12	11.73	13.10	15.12	16.79	18.48	19.08
Compressor	Type	DC Inverter Scroll				2 x DC Inverter Scroll				
<b>Dimensions and Weight</b>										
Height x Width x Length	mm	1690x1350x720	1690x1350x720	1690x1350x720	1690x1350x720	1690x1350x720	2048x1350x720	2048x1350x720	2048x1350x720	2048x1350x720
Weight	kg	278	278	278	282	324	343	343	369	369
<b>Piping connections</b>										
Gas		1"	1"	1"	1" 1/4"	1" 1/4"	1" 1/4"	1" 1/4"	1" 1/4"	1" 1/4"
Liquid		1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Refrigerant charge	Type	R410A								
	kg	10	10	10	10	10	10	10	10	10
<b>Piping length / Height difference</b>										
Max. piping length	m	190								
Max. height difference	m	50								
Max. number of indoor units		13	16	20	24	27	30	33	36	40

Models available to be confirmed as soon as they are launched (estimated Mar'15)

### Combination of modular outdoor units

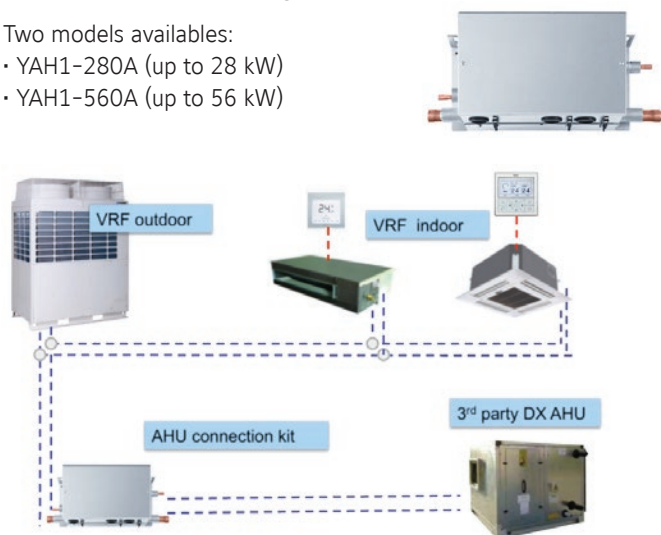
Model	074	080	085	090	095	101	106	112	118	124	130	136	141	146	151	157	162	168	174	180	186	192	198	204
Capacity Cooling kW	76.3	83.0	87.9	93.0	97.9	104.2	109.3	115.6	121.5	128.2	140.0	140.8	144.5	150.6	155.7	162.0	167.1	173.4	179.3	186.0	191.9	198.6	204.5	211.2
Capacity Heating kW	83.7	91.6	96.9	103.0	108.3	114.8	120.9	127.4	133.8	137.6	144.0	147.8	160.2	165.9	172.0	178.5	184.6	191.1	197.5	201.3	207.7	211.5	217.9	221.7
Maximum indoor units	43	46	50	53	57	60	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
Appearance																								

### DX-Kit Available for all type of 2-pipe outdoor units

York offers a range of connection kit to connect VRF outdoor units to third party DX air handling units.

Two models availables:

- YAH1-280A (up to 28 kW)
- YAH1-560A (up to 56 kW)



### YCZ-G001 Central Controller

Available for all type of outdoor units

- Max. 32 indoor units control.
- Max. 32 outdoor units control.
- On/Off, Mode, Fan speed, Temperature setting, Swing.
- Individual control, Group control & Central control (Max. 32 indoor units)
- Color interface with back light
- Large touch key
- Fahrenheit/Celsius selectable
- Weekly timer
- Unit name & Group name free setting. Four background available (mall, hotel, office, home)
- Error display
- Together with one IGU05 per outdoor unit



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# Amazon Standard Ambient VRF System

YV2V 010 to 135

Cooling capacities 9 kW to 135 kW

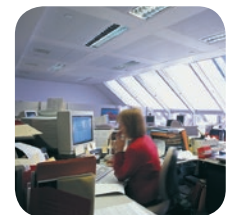


## VRF System

- 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)







### 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
<b>Electrical features</b>					
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
<b>Dimensions and Weight</b>					
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
<b>Piping connections</b>					
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
<b>Piping length / Height difference</b>					
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
<b>Electrical features</b>						
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		
<b>Dimensions and Weight</b>						
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
<b>Piping connections</b>						
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	10	10	10	10
<b>Piping length / Height difference</b>						
Max. piping length	m	175				
Max. height difference	m	50				
Max. number of indoor units		13	16	19	23	26

### Combination of modular outdoor units

Model	050	056	061	068	073	078	085	090	096	101	106	113	118	123	130	135	
Capacity	Cooling kW	50.6	56.0	61.5	68.0	73.0	78.5	85.0	90.0	96.0	101.0	106.5	113.0	118.0	123.5	130.0	135.0
	Heating kW	56.5	63.0	69.0	76.5	81.5	90.0	95.0	100.0	108.0	113.0	121.5	126.5	131.5	137.5	145.0	150.0
Maximum indoor units		29	33	36	39	43	46	50	53	56	59	63	64	64	64	64	64
Appearance																	

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# VRF Heat recovery system

YV2V 024 to 045



## YV2V 3 Pipes Technical features - Single module outdoor unit

Model		YV2VYT024KAS-D-X	YV2VYT029KAS	YV2VYT035KAS	YV2VYT042KAS	YV2VYT045KAS
Cooling capacity	kW	23.9	29.3	35.1	41.7	45.0
EER		4.02	3.84	3.82	3.42	3.23
Heating capacity	kW	26.5	32.8	39.2	46.8	50.7
COP		4.3	4.1	4.2	4.1	3.8
Air flow	m <sup>3</sup> /h	11.100	11.100	14.100	14.100	14.100
Sound Pressure Level at 1 m	dB(A)	57	57	60	60	60
<b>Electrical features</b>						
Power supply		3/N/ 400V 50Hz				
Power input "cooling"	kW	6.0	7.6	9.2	12.2	14.0
Power input "heating"	kW	6.2	8.0	9.2	11.4	13.4
Compressor	Type	DC Inverter Scroll			DC Inverter Scroll + Standard Scroll	
<b>Dimensions and Weight</b>						
Height x Width x Length	mm	1 808 x 990 x 750	1 808 x 990 x 750	1 808 x 1 390 x 750	1 808 x 1 390 x 750	1 808 x 1 390 x 750
Weight	kg	240	240	368	368	368
<b>Piping connections</b>						
Gas		3/4" / 3/4"	7/8" / 3/4"	1" / 7/8"	1" / 7/8"	1 1/8" / 1"
Liquid		3/8"	3/8"	1/2"	1/2"	1/2"
Refrigerant charge	Type	R410A				
	kg	10	10	10	10	10
<b>Piping length / Height difference</b>						
Max. piping length	m	175				
Max. height difference	m	50				
Max. number of indoor units		13	16	19	23	26

## Combination of modular outdoor units

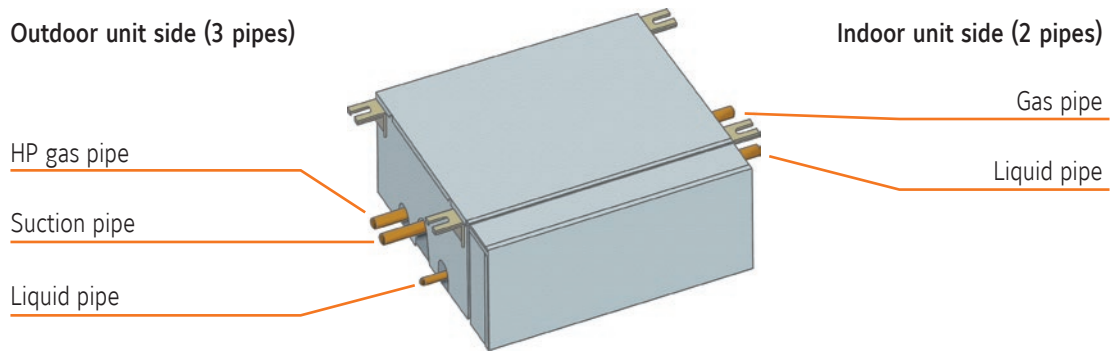
HP	8	10	12	15	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
<b>Capacity Coolin kW</b>	23.9	29.3	35.1	41.7	45.0	53.2	58.6	64.4	71.0	74.3	83.4	86.7	90.0	100.3	103.6	112.7	116.0	119.3	125.1	131.7	135.0	
<b>Heating kW</b>	26.5	32.8	39.2	46.8	50.7	59.3	65.6	72.0	79.6	83.5	93.6	97.5	101.4	112.4	116.3	126.4	130.3	134.2	140.6	148.2	152.1	
<b>Maximum indoor units</b>	13	16	19	23	26	29	33	36	39	43	46	50	53	56	59	63	64	64	64	64	64	
<b>Appearance</b>																						

## Technical features - Heat recovery valve box

Model		VB1-112A	VB1-180A	VB1-280A
<b>Capacity</b>				
Power supply		3/N/ 400V 50Hz		
Total Capacity Index of Indoor Units	kW	≤ 11.2	> 11.2 & ≤ 18.0	> 18.0 & ≤ 28.0
Number of Connectable Indoor Units		Max. 5	Max. 8	Max. 8
<b>Piping connection</b>				
Liquid pipe - Connect to indoor unit	mm	3/8"	3/8"	3/8"
Gas pipe -Connect to indoor unit	mm	5/8"	5/8"	7/8"
Liquid pipe-Connect to outdoor unit	mm	3/8"	3/8"	3/8"
Suction pipe-Connect to outdoor unit	mm	5/8"	5/8"	1"
High pressure gas pipe-Connect to outdoor unit	mm	1/2"	5/8"	3/4"
<b>Dimensions &amp; Weight</b>				
Height x Width x Length	mm	180 x 400 x 300	180 x 400 x 300	180 x 400 x 300
Weight	kg	12	12	13

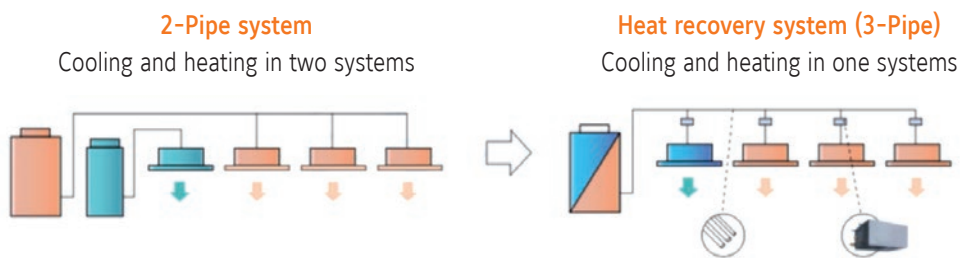
# VRF Heat recovery system

## Heat recovery valve box scheme



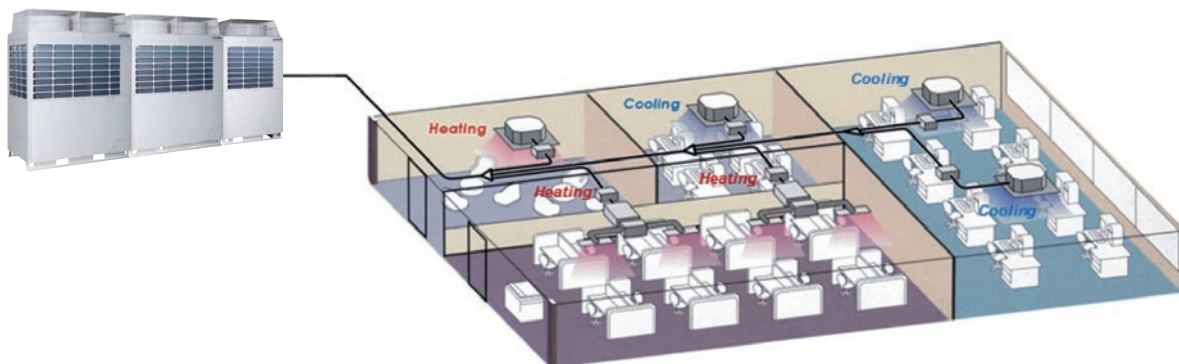
## Cooling and heating synchronously in one system

Heat recovery system can achieve cooling and heating synchronously in one system by valve box device.



## Heat Recovery, More Energy-saving

The surplus heat of some indoor units' condensation can be used for other indoor units for evaporation. Comparing with traditional Air Conditioning system, save at least 15% energy.



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# 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"		



## 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"			



## 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"			

# VRF Technical features indoor units



## 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 pressure	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		YVGVXH056	YVGVXH071	YVGVXH080	YVGVXH090	YVGVXH112	YVGVXH140	YVGVXH226	YVGVXH280		
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 pressure	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 pressure	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	387x1227x1116
	Weight	kg		28.7		85.5	

**CE** Manufacturer reserves the rights to change specifications without prior notice.

# 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-E17 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 and **NO optional** for Console.



## 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.



## 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



## 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.



## 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.



## IGU06 LonWorks Translator

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



## HCM-04 BacNet/IP Converter

Max. 60 indoor units control. Connect A/C system to BMS by BacNet/IP protocol.

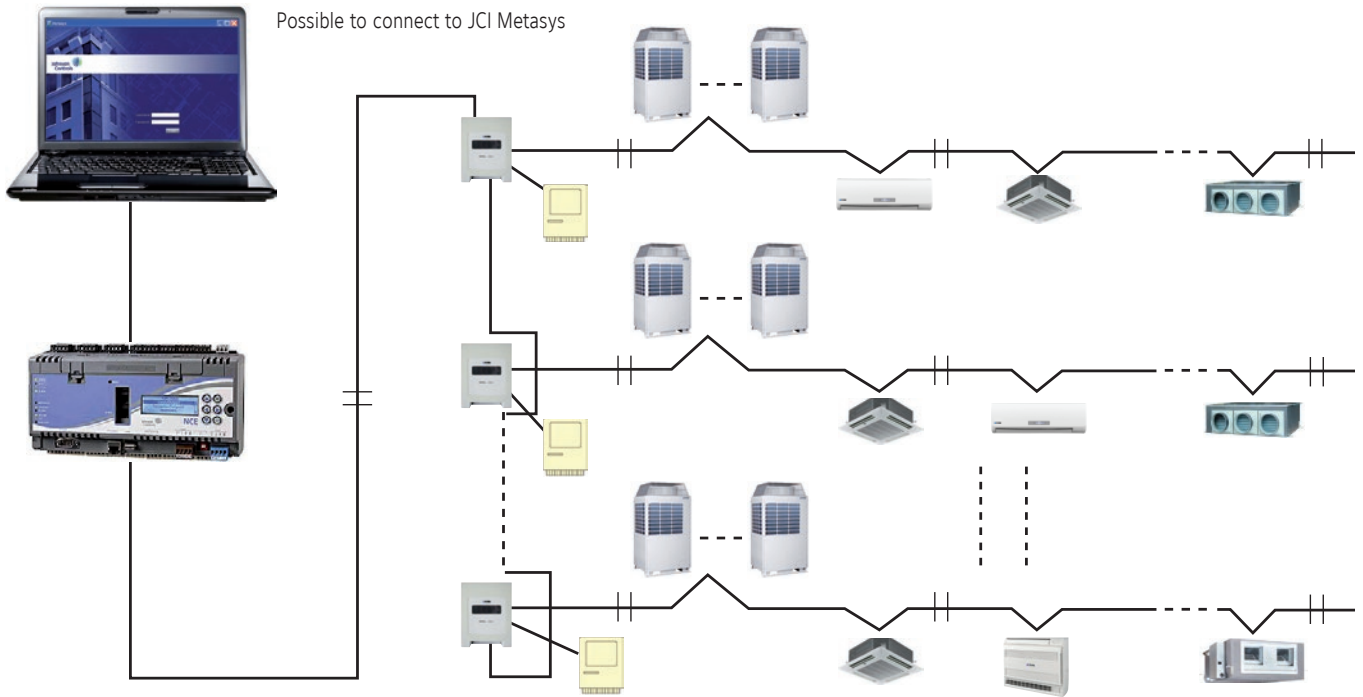


## IGU07 LonWorks Converter

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

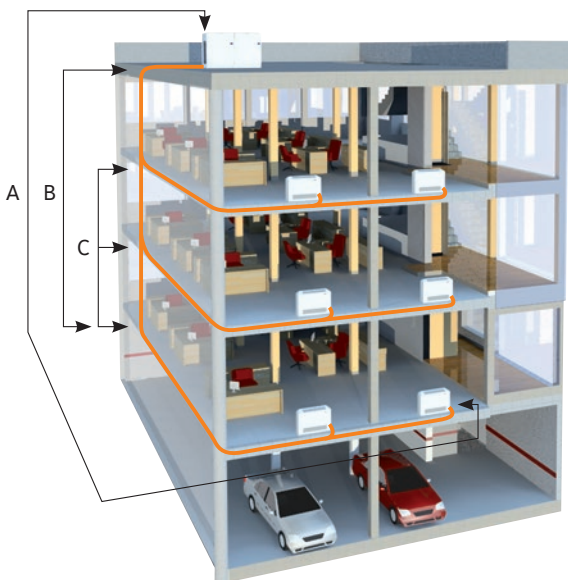


# VRF System – System Diagram



## Piping accessories

Model	System	Name	Function	Application
FQG-B335A	2 pipes	Indoor manifold pipe	Refrigerant distribution	Total indoor units capacity < 33.5 kW
FQG-B506A	2 pipes	Indoor manifold pipe	Refrigerant distribution	33.5 kW ≤ Total indoor units capacity < 50.6 kW
FQG-B730A	2 pipes	Indoor manifold pipe	Refrigerant distribution	50.6 kW ≤ Total indoor units capacity < 72 kW
FQG-B1350A	2 pipes	Indoor manifold pipe	Refrigerant distribution	73 kW ≤ Total indoor units capacity
HZG-20A	2 pipes	Outdoor branch pipe	Refrigerant gathering	2 module combinations
HZG-30A	2 pipes	Outdoor branch pipe	Refrigerant gathering	3 module combinations
HZG-20B	2 pipes HE	Outdoor HE branch pipe	Refrigerant gathering	2 module HE combinations
HZG-30B	2 pipes HE	Outdoor HE branch pipe	Refrigerant gathering	3 module HE combinations
FQG-R335A	3 pipes	Indoor manifold pipe	Refrigerant distribution	Total indoor units capacity < 33.5 kW
FQG-R506A	3 pipes	Indoor manifold pipe	Refrigerant distribution	33.5 kW ≤ Total indoor units capacity < 50.6 kW
FQG-R730A	3 pipes	Indoor manifold pipe	Refrigerant distribution	50.6 kW ≤ Total indoor units capacity < 72 kW
FQG-R1350A	3 pipes	Indoor manifold pipe	Refrigerant distribution	73 kW ≤ Total indoor units capacity
HZG-R20A	3 pipes	Outdoor branch pipe	Refrigerant gathering	2 module combinations
HZG-R30A	3 pipes	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: 175m

B – Maximum difference in height: 50m  
(110m for HE outdoor units)

C – Maximum difference in height between 2 indoor units: 15m  
(30m for HE outdoor units)



### 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.



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PUBL-7393 - 01.2016

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