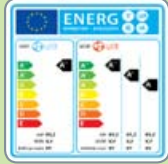


YORK AIR-CONDITIONING PRODUCTS

# Residential & VRF 2013



# 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.



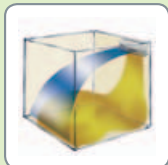
### Auto-Restart Function

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



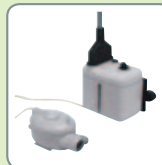
### Turbo Mode

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



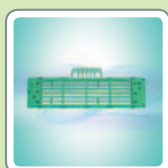
## Active Carbon Electrostatic Filter

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

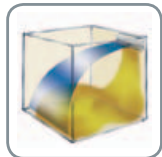
# High Wall High Efficiency Inverter

YWHJZH 09 to 24

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	0.65	0.88	1.55	2.00	
	heating	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	m <sup>3</sup> /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	
Piping	Type of connection	Flare				
	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

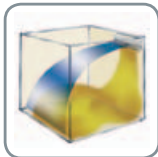
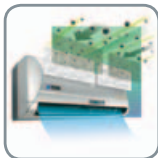
### Accessories

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

## YEHJZH 09 to 24



### Technical features

Set reference			YEHJZH			
Indoor unit		Sizes	YEHJXH-09	YEHJXH-12	YEHJXH-18	YEHJXH-24
Outdoor unit		Sizes	YEHJYH-09	YEHJYH-12	YEHJYH-18	YEHJYH-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)		m <sup>3</sup> /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

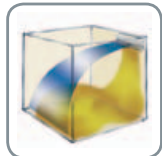
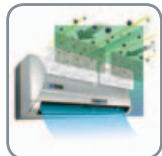
### Accessories

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		m <sup>3</sup> /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

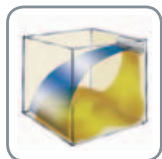
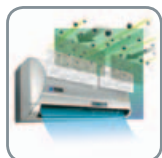
### Accessories

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



## 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)	m <sup>3</sup> /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	
Piping	Type of connection	Flare						
	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



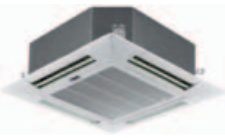
- Active carbon electrostatic filter
- Automatic air sweep

Indoor units		Sizes	YJHMXH				
			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		m <sup>3</sup> /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"	3/8"	1/2"	5/8"
		Liquid	1/4"	1/4"	1/4"	1/4"	1/4"



- Floor/Ceiling
- Automatic air sweep

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
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

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
Piping	Type of connection		Flare			
	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

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
Piping	Type of connection		Flare			
	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		5 x 1
7+18	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



## 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
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



# Cassette Inverter

YHKJZH 12 to 60

A complete range from 3.5 kW to 14.4 kW



## 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
			3.24	3.22	3.10	3.01	3.10	2.94	2.81
EER			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)	m <sup>3</sup> /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	80 / 950 / 1 340	
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

YHDJZH 12 to 60

A complete range from 3.5 kW to 15.2 kW



## 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	1.08	1.55	2.18	2.16	2.69	3.17	4.34	4.31	5.37	
	heating	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	m <sup>3</sup> /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	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"
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

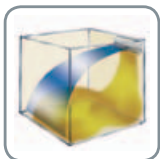
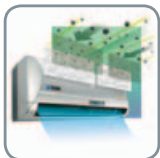
CASSETTE, FLOOR/CEILING & BLOWER UNITS

WINDOW UNITS

# High Wall On/Off

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)**



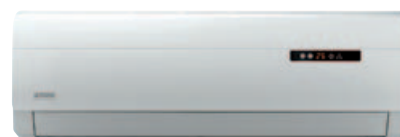
## Remote controller

- 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	0.80	1.00	1.50	1.90	
	heating	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
Piping	Type of connection		Flare			
	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	

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 (mm <sup>2</sup> )	Interconnection cables (number of cables and sizes) (mm <sup>2</sup> )	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)		
<b>YWHJZH</b>											
High wall Inverter <b>YWHJZH</b> 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"				
	24										
<b>YJHJZH</b>											
High wall Inverter <b>YJHJZH</b> R410A	09	Indoor	3 x 2.5	4 x 2.5	15	5	1/4 - 3/8"	5	20		
	12				25						
	18	Outdoor			1/4 - 1/2"						
	24						1/4 - 5/8"				
<b>YEHJZH</b>											
High wall Inverter <b>YEHJZH</b> R410A	09	Indoor	3 x 2.5	4 x 2.5	15	10	1/4 - 3/8"	5	20		
	12				25						
	18	Outdoor			1/4 - 1/2"						
	24						1/4 - 5/8"				
<b>YVHFZH</b>											
High wall On-Off <b>YVHFZH</b> 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"				
	24					16					
<b>EAHC-FS-R</b>											
High wall On-Off <b>EAHC-FS-R</b> 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"
	24										
<b>EMHC</b>											
High wall Multisplit <b>EMHC</b> R410A	18	Outdoor	3 x 4	6 x 2.5	15 *	7	1/4 - 3/8"	5 *	30		
	21										
	27										
	30										
<b>YJU_YH</b>											
Multisplit Inverter <b>YJU_YH</b> R410A	14	Outdoor	3 x 4	4 x 1.5	30 *	15 *	1/4-3/8" **	5 *	40		
	18										
	19				50 *						
	25				70 *						
	30				80 *						
34											
<b>YHJZH / YHKJZH / YHDJZH</b>											
Floor/Ceiling Inverter <b>YHJZH</b> Cassette Inverter <b>YHKJZH</b> Blower Inverter <b>YHDJZH</b> 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		1/4 - 1/2"				
	24				30		20			3/8 - 5/8"	
	28										
	36				50		30			3/8 - 1/4"	
	48										
60											
<b>EOHC / EKHC / EUHC</b>											
Floor/Ceiling <b>EOHC</b> Cassette <b>EKHC</b> Blower <b>EUHC</b> 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				30		20			3/8 - 5/8"	
	18										
	24				50		30			1/2 - 3/4"	
	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 <sup>2</sup>	x	50	=	
	exposed to sunlight	m <sup>2</sup>	x	180	=	
	exposed to sunlight with curtains	m <sup>2</sup>	x	135	=	
	exposed to sunlight with awnings	m <sup>2</sup>	x	90	=	
OUTDOOR WALLS	exposed to sunlight and insulated	m <sup>2</sup>	x	9	=	
	exposed to sunlight non insulated	m <sup>2</sup>	x	23	=	
	not exposed to sunlight and insulated	m <sup>2</sup>	x	7	=	
	not exposed to sunlight non insulated	m <sup>2</sup>	x	12	=	
INDOOR WALLS *		m <sup>2</sup>	x	10	=	
CEILING OR ROOF *	insulated	m <sup>2</sup>	x	5	=	
	not insulated	m <sup>2</sup>	x	12	=	
	insulation under the roof	m <sup>2</sup>	x	10	=	
	not insulation under roof	m <sup>2</sup>	x	24	=	
FLOOR *	insulated	m <sup>2</sup>	x	7	=	
	not insulated	m <sup>2</sup>	x	10	=	
FRESH AIR		m <sup>3</sup> /h	x	4,5	=	
PERSONS INSIDE THE ROOM		pers.	x	144	=	
WORKING ELECTRICAL EQUIPMENT		W	x	1	=	
<b>NEEDED COOLING CAPACITY</b>						<b>W</b>

\* 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

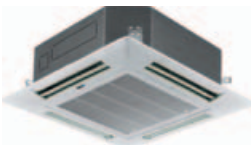
YV2V • R410A

INDOOR UNIT TYPES

# Amazon Standard Ambient VRF System

YV2V 010 to 135

Cooling capacities 9 kW to 135 kW



## 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)



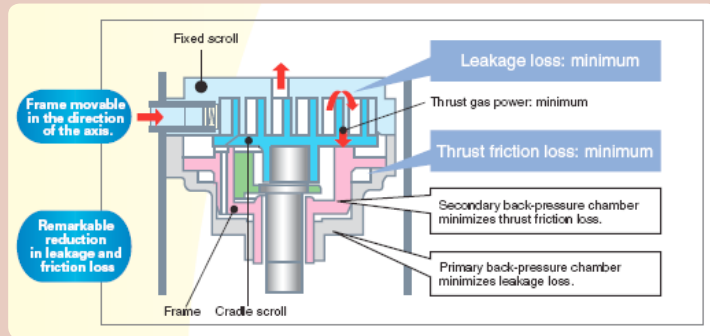
# Amazon Standard Ambient VRF System

## YV2V 010 to 135



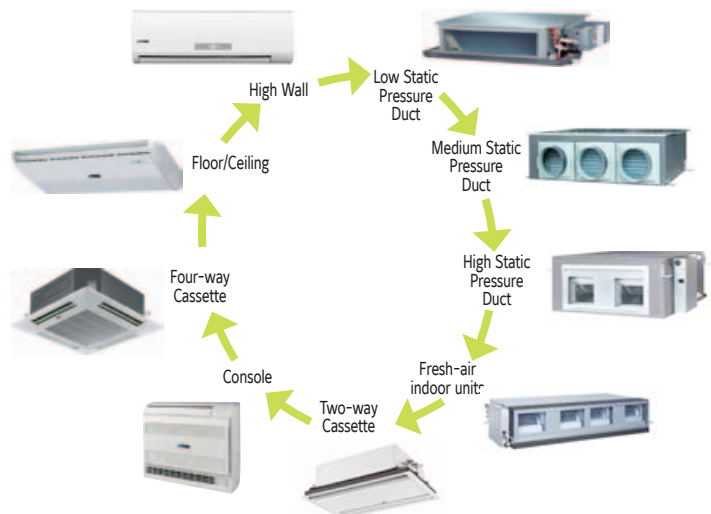
### YV2V DC INVERTER VRF

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.



Manufacturer reserves the rights to change specifications without prior notice.



# 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
<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	11	12	12	14.5
<b>Piping length / Height difference</b>						
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	
<b>Module combinations</b>	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
<b>Electrical features</b>									
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
<b>Dimensions and Weight</b>									
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
<b>Piping size between the outdoor unit and the first branch</b>									
Gas	1 1/8"				1 3/8"				
Liquid	5/8"				3/4"				
<b>Refrigerant piping</b>									
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	
<b>Module combinations</b>	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
<b>Electrical features</b>									
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
<b>Dimensions and Weight</b>									
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
<b>Piping size between the outdoor unit and the first branch</b>									
Gas	1 3/8"								
Liquid	3/4"								
<b>Refrigerant piping</b>									
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 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		
	H x W x D	mm	360 x 1 350 x 875	360 x 1 750 x 840	
Dimensions and Weight	Weight	kg	62	120	
	Gas		5/8"	1"	
Piping	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
	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



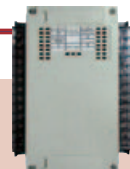
### IGU02 BacNet/IP Translator

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.

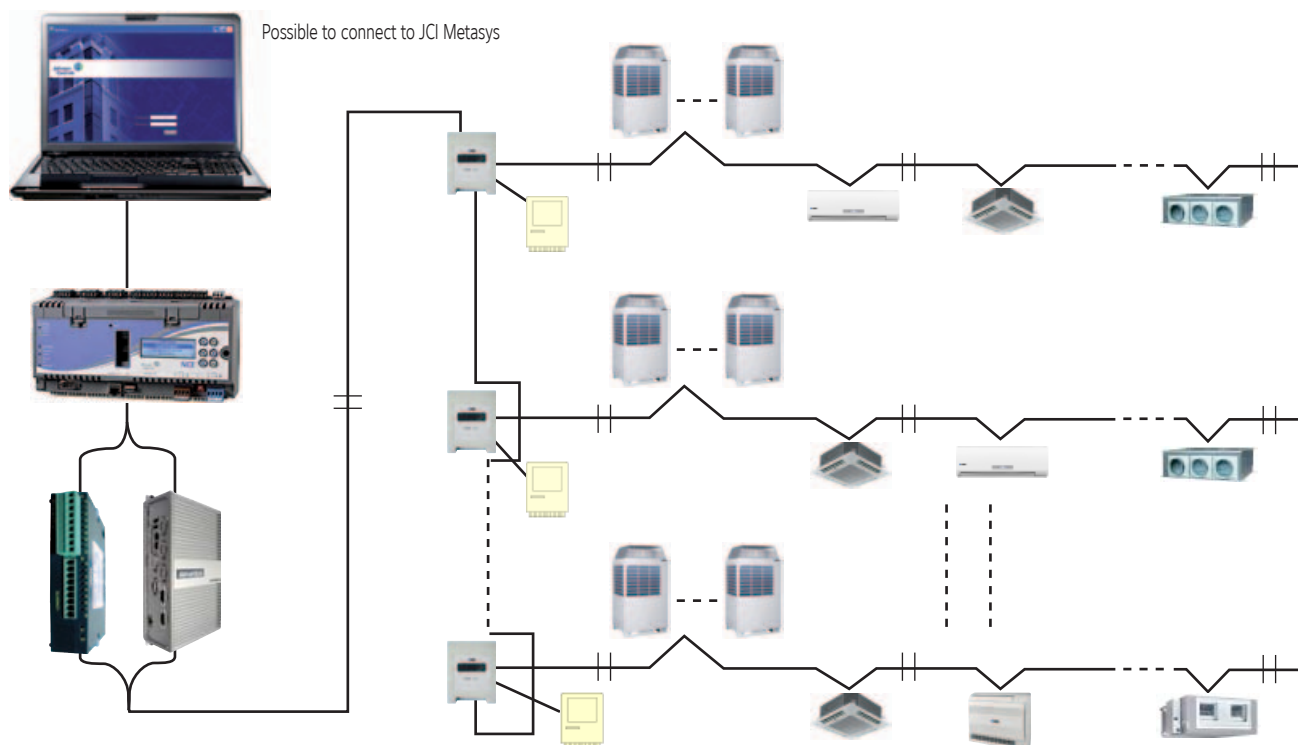


### HCM-03 BacNet/IP Converter

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

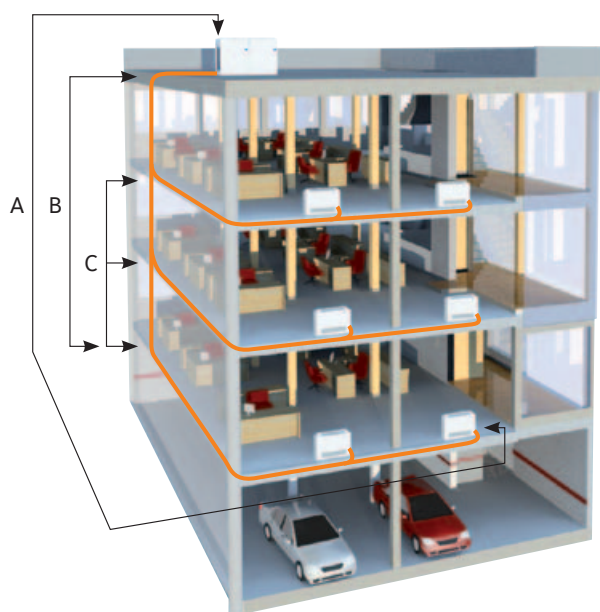


# VRF System - System Diagram



## 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