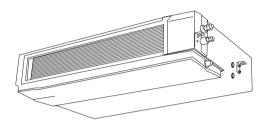




MINISPLIT AIR BLOWER

MODELS YUHC 18-60 YUKC 07-18







EN 035M00065-000





Please read this installation manual carefully before starting the installation. It will tell you necessary information.

Quality POLICY

We will continuously strive to satisfy our customers with consistent reliability in product, service and support through superior quality, service culture and distinctive technology.

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Refrigerant	D	DC INVERTER R-410A									
Model	18-24	36-48	60								
Set	YUHCxxDUBAAR-K	YUHCxxDUBACR-K	YUHCxxDSBACR-K								
Outdoor	YUJCxxDU-BAR	YUJCxxDU-BCR	YUJCxxDS-BCR								
Indoor	YUKCxxDU-BAR-K	YUKCxxDU-BCR-K	YUKCxxDS-BCR-K								

	Multi Inverter R-410A
	50Hz/1Ph
Outdoor	RRJCxxAA-AAA
Indoor	YUKCxxAA-AAR

Standard

Refrigerant	R-410A							
Model	18-24	30-60						
Set	YUHCxxFUAAAR	YUHCxxFUAACR						
Outdoor	YUJCxxFU-AAR	YUJCxxFU-ACR						
Indoor	YUKCxxFU-AAR	YUKCxxFU-ACR						

With Low Ambient Kit

Refrigerant	R-4	R-410A							
Model	18-24	30-60							
Set	YUHCxxFUBAAR	YUHCxxFUBACR							
Outdoor	YUJCxxFU-AAR	YUJCxxFU-ACR							
Indoor	YUKCxxFU-AAR	YUKCxxFU-ACR							





REQUIRED TOOLS

- 1. Screw driver
- 2. Hexagonal wrench
- 3. Torque wrench
- 4. Spanner
- 5. Reamer
- 6. Hole core drill
- 7. Tape measure
- 8. Thermometer

EXTENDED PARTS

- 1. Refrigerant Pipe: See Technical Specification
- 2. Pipe insulation material (Polyethylene foam 9 mm thick)
- 3. Vinyl tape
- 4. Putty

Y PRECAUTIONS

Please read this installation manual carefully before starting installation of the unit.

15. Electrical circuit tester

9. Manifold gauge

11. Vacuum pump

12. Pipe clamp

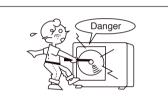
13. Pipe cutter

14. Flare tool set

10. Gas leak detector

- This air conditioning system contains refrigerant under pressure, rotating parts and electrical connection which may be dangerous and can cause injury. Installation and maintenance of this air conditioning system should only be carried out by trained and qualified personnel.
- After unpacking, please check the unit carefully for possible damage.
- Before undertaking any work on the unit, make sure that the power supply has been disconnected.

WARNING & CAUTIONS



▲ CAUTION

Do not attempt to install this unit by yourself. This unit requires installation by qualified persons.

▲ DANGER

Do not attempt to service the unit yourself. This unit has no user serviceable components. Opening or removing the cover will expose you to dangerous voltage. Turning off the power supply will not prevent potential electric shock.



▲ DANGER

Never put hands or objects into the Air Outlet of indoor or outdoor units. These units are installed with a fan running at high speed. To touch the moving fan will cause serious injury.

▲ DANGER

To avoid the risk of serious electrical shock, never sprinkle or spill water or liquids on unit.



▲ WARNING

Ventilate the room regularly while the air conditioner is in use, especially if there is also a gas appliance in use in this room. Failure to follow these directions may result in a loss of oxygen in the room.



▲ WARNING

To prevent electric shock, turn off the power or disconnect the power supply plug before beginning any cleaning or other routine maintenance. Follow the directions for cleaning in this manual.



▲ WARNING

Do not use liquid cleaners or aerosol cleaners, use a soft and dry cloth for cleaning the unit. To avoid electric shock, never attempt to clean the unit by sprinkling water.



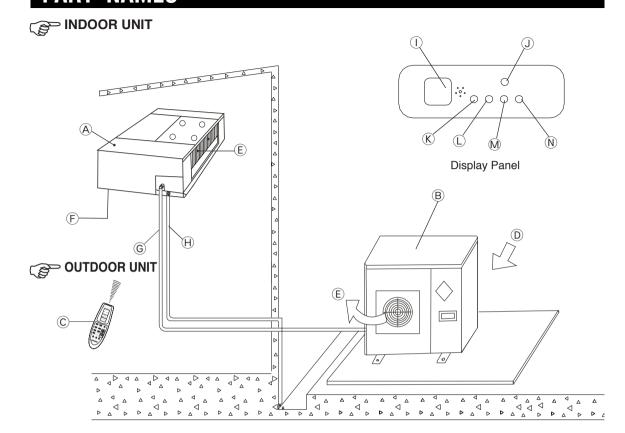
▲ WARNING

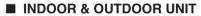
Do not use caustic household drain cleaners in the unit. Drain cleaners can quickly destroy the unit components (drain pan and heat exchanger coil, etc.)

▲ WARNING

For proper performance, operate the unit in temperature and humidity ranges indicated in this manual. If the unit is operated beyond these conditions, it may cause abnormal functions of the unit or dew dripping from the unit.







- A. Indoor unit
- B. Outdoor unit
- C. Remote controller
- D. Air-in
- E. Air-out
- F. Air inlet
- G. Connecting pipe
- H. Drain hose

■ DISPLAY PANEL

- I. Infrared signal receiver
- J. Emergency button
- K. Running indicator
- L. Timer indicator
- M. Frost indicator (cooling and heating type) or fan indicator (cooling only type)
- N. Pump indicator

NOTE

All the pictures in this manual are for explanation purpose only. They may be sightly different from the air conditioner you purchased. The actual shape shall prevail.





TECHNICAL SPECIFICATIONS

Technical Specifications: Duct Type YUHC "R-410A" -50Hz

				Indoor			YU	KC		
				Unit	18	24	30	36	48	60
Mod	iels			Outdoor			YU	JC		
				Unit	18	24	30	36	48	60
_				V/Ph/Hz	220-24	10/1/50	3/50	3/50		
Pow	ver Su	ibbla		Ph	1	1	3	3	3	3
Pow	ver Co	onsumption		w	1,900/1,900	2,560/2,500	3,250/3,250	3,700/3,350	4,700/4,900	6,000/6,000
Run	ning	Current		Α	8.8/8.8	12.2/11	5.5/5.5	6.5/5.8	8.2/8.6	9.8/9.8
Refr	rigera	int Type	R-410A							
Refr	rigera	nt Charge		gr	2,050	2,600	3,100	3,100	4,000	4,200
NI-1		1	Indoor	4D(A)	38	38	44	44	46	47
NOIS	Noise level Outdoor		Outdoor	dB(A)	48	55	57	57	58	58
	Dow	er Supply		V/Ph/Hz			220-24	0/1/50		
	Fower Supply			Ph	1	1	1	1	1	1
	Air flow Input Power Running Current				1,160	1,460	2,070	2,070	2,400	2,800
Ħ				w	117	170	118	118	118	227
Indoor Unit			rent	Α	0.53	0.77	0.54	0.54	0.54	1.03
oop			Height	mm	300	300	300	300	300	320
드	Dimension		Width	mm	1,000	1,000	1,350	1,350	1,350	1,350
			Depth	mm	800	800	800	800	800	800
	Weig	jht		kg	36	38	48	48	50	70
	Syst	em Operation	Control				Wireless Control	with LCD Display		
	Dow	er Supply		V/Ph/Hz	220-24	10/1/50		380/	3/50	
	FOW	ет Зиррту		Ph	1	1	3	3	3	3
	Com	pressor	Qty		1	1	1	1	1	1
<u></u>	Com	piessoi	Compressor	Туре	Ro	tary		Sc	roll	
Outdoor Unit			Height	mm	695	860	960	960	1,245	1,245
door	Dime	ension	Width	mm	845	895	990	990	940	940
Outc			Depth	mm	335	330	360	360	360	360
	Weig	jht		kg	55	79	101	101	110	110
	g	Туре					Flare -	+ Nuts		
	Piping	Pipe Size	Suction	inch	1/2	5/8	3/4	3/4	3/4	3/4
1	Δ.	ripe Size	Liquid	inch	1/4	3/8	1/2	1/2	1/2	1/2







Technical Specification: Ducted Dc Inverter "YUHC" R-410A, 50Hz.

		Set	YUHC18DUBAAR-K	YUHC24DUBAAR-K	YUHC36DUBACR-K	YUHC48DUBACR-K	YUHC60DSBACR-K
Model		Indoor	YUKC18DU-BAR-K	YUKC24DU-BAR-K	YUKC36DU-BCR-K	YUKC48DU-BCR-K	YUKC60DS-BCR-K
		Outdoor	YUJC18DU-BAR	YUJC24DU-BAR	YUJC36DU-BCR	YUJC48DU-BCR	YUJC60DS-BCR
Power supply		V-Ph-Hz	220~240-1-50	220~240-1-50	380V~3~50Hz	380V~3~50Hz	380V~3~50Hz
	Capacity	Btu/h	18,000	24,000	36,000	48,000	60,000
Cooling	Input	W	1,570	2,130	3,260	4,250	4,840
	Rated current	Α	7	10	9	11	11
	Capacity	Btu/h	21,000	28,000	40,000	53,000	62,000
Heating	Input	W	1,630	2,190	3,120	4,140	4,800
	Rated current	Α	7	10	8	11	11
Max. input consump	otion	W	2,600	2,800	3,560	4,750	5,950
Max. current		Α	10	11	10	13	16
Starting current		Α	1	1	1	1	1
	Туре		DC Inver	ter Rotary		DC Inverter Scroll	
	Input	W	1,650	1,650	3,665	3,665	3,665
	Rated current (RLA)	Α	8	8	8	8	8
Compressor	Locked rotor Amp (LRA)	Α	28	28	28	28	28
	Protector				Thermal		
İ	Capacitor	μF	50	50	50	50	50
	Refrigerant oil	ml	480	480	500	500	500
	Туре				AC Motor		
	Input	W	117	170	118	324	160
Indoor fan motor	Capacitor	μF	3	7	3	10	10
	Speed (Hi/Me/Lo)	r/min	900/800/690	1,100/1,020/900	820/695/620	870/770/700	870/770/700
	Number of rows		3	3	3	3	3
	Fin spacing	mm	2	2	2	2	2
	Fin type				Hydrophilic aluminium	1	•
Indoor coil	Tube outside dia.	mm			Ø9.52		
	Material Type				Innergroove tube		
	Coil length x height x width	mm	800×254×66	800×254×66	1,150×254×66	1,150×254×66	1,150×305×66
Indoor air flow (Hi/N	le/Lo)	m³/h	1,020/870/700	1,275/1,170/1,030	2,070/1,950/1,860	2,400/2,300/2,200	2,800/2,700/2,600
Indoor external stat	ic pressure (Hi)	Pa	40	40	70	70	96
Indoor noise level (I	Hi/Me/Lo)	dB(A)	50/-/-	53/-/-	49/47/44	51/47/44	52/48/46
	Dimension (WxHxD)	mm	1,095×805×290	1,095×805×290	1,350×298×800	1,350×320×800	1,350×320×800
Indoor unit	Packing (WxHxD)	mm	1,205×940×370	1,205×940×370	1,555×940×370	1,555×440×940	1,555×440×940
	Net/Gross weight	kg	38/45	38/45	48/57	70/80	70/80
Outdoor fon	Input	W	129	150	307	150×2	150×2
Outdoor fan motor	Capacitor	μF	3	3	10	3.5×2	3.5×2
	Speed	r/min	770	800	740	800	800
	Number of rows		2	2	1	1	1
	Fin spacing	mm	2	2	2	2	2
	Fin type				Hydrophilic aluminium	1	
Outdoor coil	Tube outside dia.	mm			Ø9.52		
	Tube Material				Innergroove tube		1
	Coil length x height x width	mm	630×660×44	620×813×44	955×915×22	715×610×22	1150×305×66
Outdoor air flow		m³/h	2,400	3,000	5,000	6,000	6,000
Outdoor noise level		dB(A)	56	55	57	58	58
	Dimension (WxHxD)	mm	840×677×310	894×860×302	990×960×340	940×1,245×340	940×1245×340
Outdoor unit	Packing (WxHxD)	mm	965×770×395	1,043×915×395	1,120×1015×435	1,058×1300×435	1,058×1,300×435
	Net/Gross weight	kg	62.5/66.5	72/76.5	106/111	117/126	112/127
Refrigerant R-410A		g	1,650	2,200	2,600	3,550	4,200
Throttle type					EXV&Capillary		
Refrigerant piping	Liquid side/ Gas side	mm	6.35/12.7	9.53/16	9.53/16	9.53/16	9.53/16







TECHNICAL SPECIFICATION: EVEREST MULTI INVERTER "YUKC-RRJC" 50Hz Indoor Unit Duct Type YUKC 07-18

Model			YUKC 07AA-AAR	YUKC 09AA-AAR	YUKC 12AA-AAR	YUKC 18AA-AAR		
Power supply	,	Ph-V-Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz		
	Cooling Capacity	BTU/h	7,000	9,000	12,000	18,000		
Capacity	Heating Capacity	BTU/h	8,000	11,000	14,000	21,000		
	Power input	w	40	40	40	65		
	Input	W	38	38	38	63		
Indoor fan motor	Capacitor	μF	1.0μF/450V	1.0µF/450V	1.0µF/450V	2.5µF/450V		
motor	Speed (Hi/Mi/Lo)	r/min	735/650/560	735/650/560	735/650/560	930/830/660		
	Number of rows		2	2	2	2		
	Fin spacing	mm	1.5	1.5	1.5	1.7		
	Fin type		Hydrophilic aluminium					
ndoor coil	Tube outside dia.	mm	Ø7	Ø7	Ø7	Ø9.53		
	Tube Material		Innergroove tube					
	Coil length x height x width	mm	700x26x350	700x26x350	700x26x350	800x254x44		
	Number of circuits		4	4	4	3		
Indoor air flow	w (Hi/Mi/Lo)	m³/h	480/410/360	480/410/360	580/480/400	660/550/480		
Indoor noise	level (Hi/Mi/Lo)	dB(A)	35/32/30	36/33/30	38/35/33	40/38/35		
Pipe size	Liquid side/ Gas side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7		
	Dimension (W*H*D)	mm	955×210×385	955×210×385	955×210×385	1,301X210X385		
Indoor unit	Packing (W*H*D)	mm	1,114x277x469	1,114x277x469	1,114x277x469	1,114x277x469		
	Net/Gross weight	Kg	15/19	15/19 15/19		18/22		







Outdoor Unit Multi Inverter RRJC 18-27

Model			RRJC 18	AA-AAA		RRJC 27AA-AAA			
Indoor Units (Combination		Single	Double	Single	Double	Treble		
Power supply	,	Ph-V-Hz	1Ph, 220-2	40V~, 50Hz	1	Ph, 220-240V~, 50H	z		
	Compaits	Btu/h	7,000~12,000	18,000	7,000~12,000	16,000~24,000	27,000		
Caslina	Capacity	w	2,050~3,517	5,275	2,000~3,500	4,690~7,000	7,913		
Cooling	Input	w	1,000~1,300	1,813	1,000~1,300	2,570~2,850	2,806		
	Rated current	Α	4.8~6.5	11.5	4.8~6.5	11.7~13.5	13.5		
	0	Btu/h	9,000~14,000	21,000	10,000~14,000	24,000~27,000	30,000		
l	Capacity	w	2,638~4,103	6,155	2,900~4,100	8,792			
Heating	Input	w	1,300~1,600	2,038	1,300~1,600	2,100~2,750	2,739		
	Rated current	Α	6.3~7.8	11.0	6.3~7.8	11.0~13.2	13.2		
Max. input		w	3,2	200		3,200			
Max. current		Α	2	0	20				
	Туре		Rotary	inverter		Rotary inverter			
	Input	w	1,6	90		1,690			
	Rated current (RLA)	Α	11	.6		11.6			
Compressor	Locked rotor Amp (LRA)	Α	6	0	60				
	Thermal protector		Inte	rnal	Internal				
	Capacitor	μF	85 <i>µ</i> F.	/250V		85μF/250V			
	Refrigerant oil	ml	7!	50	750				
	Input	w	14	18	148				
Outdoor fan motor	Capacitor	μF	:	3		3			
1110101	Speed	r/min	7	75		775			
	Number of rows		2	2		2			
	Fin spacing	mm	1	.7		1.7			
	Fin type		Hydrophilio	aluminium	l H	lydrophilic aluminium	1		
Outdoor coil	Tube outside dia.	mm	Ø9	.53		Ø9.53			
	Tube Material		Innergro	ove tube		Innergroove tube			
	Coil length x height x width	mm	776×6	60×22		776×660×22			
	Number of circuits		2	2		2			
Outdoor air fle	ow	m³/h	2,5	500		2,500			
Outdoor noise	e level	dB(A)	6	0		60			
	Dimension (WxHxD)	mm	845X69	95X335		845X695X335			
Outdoor unit	Packing (WxHxD)	mm	965X7	72X405		965X772X405			
unit	Net/Gross weight	kg	71.	74		72/76			
Refrigerant Ty	ype R-410A	g	2,1	00		2,250			
	Liquid side/ Gas side	mm	Ø6.35	Ø9.53		3 X Ø6.35/Ø9.53			
Refrigerant	Transfer Connector (9.53→12.7)	mm	2	2		2			
piping	Max. refrigerant pipe length	m	15 (each i	15 (each indoor unit)		15 (each indoor unit)			
	Max. difference in level	m	10 (each i	ndoor unit)		10 (each indoor unit)			

Remark: The above design and specifications are subject to change without prior notice for product improvement.

OPERATING TEMPERATURE

Mode Temperature	Cooling operation	Heating operation	Drying operation
Room temperature	17°C~32°C	0°C~30°C	17°C~30°C
Outdoor temperature	21°C~43°C	-7°C~24°C	11°C~43°C

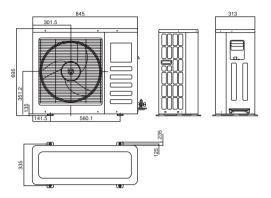
CAUTIONS

- 1. If air conditioner is used outside of the above conditions, certain safety protection features may come into operation cause the unit to function abnormally.
- 2. Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please set the vertical air flow louver to its maximum angle (Vertically to the floor), and set HIGH fan mode.
- 3. Optimum performance will be achieved within these operating temperature.

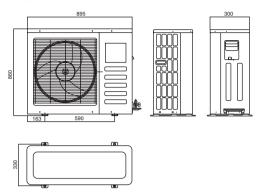


OUTDOOR UNIT DIMENSIONS

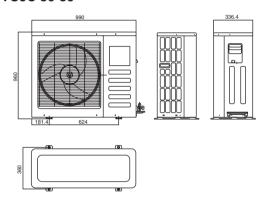
YUJC 18



YUJC 24

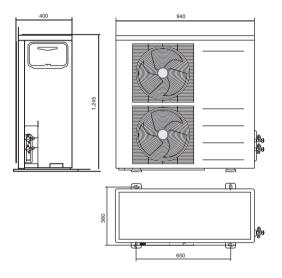


YUJC 30-36

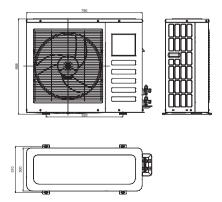


YUJC 48-60

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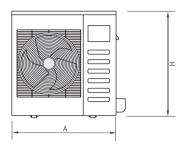


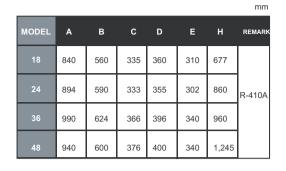
RRJC 18-27

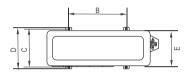




DC Inverter R-410A







PREPARATION BEFORE INSTALLATION

- Before doing any work, check the interior power supply cord and the main breaker capacity are sufficient and the installation area is sufficient and complies with the requirements.
- · Check that the power supply available agrees with name plate voltage.
- · Electrical work, wiring and cables must be performed in compliance with national and local wiring codes and standard.
- · Do not use the extension cables. In the case extended cables are needed, use the terminal block.

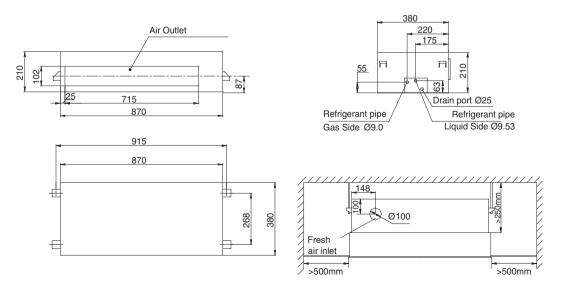
INSTALLATION

■ Installation place

The indoor unit must be installed such that there is no short circuit of the cool discharge. Comply to the installation clearance recommended. Do not put the indoor unit where there is direct sunlight on unit. Make sure the location is suitable for piping and drainage.

INDOOR UNIT

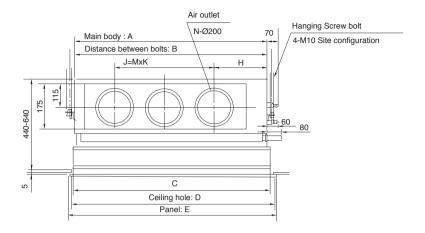
YUKC 07-12



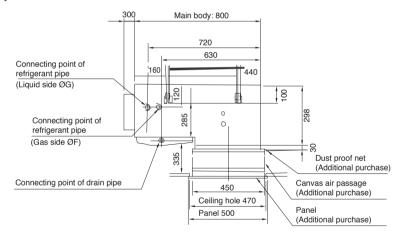


YUKC 18-48

The positioning of ceiling hole and indoor unit and hanging screw bolt:



Install the main body:



Capacity (Btu/h)	Α	В	С	D	Е	F	G	Н	- 1	J	K	М	N
12000-18000	1000	1050	4445	1087 1408	12.7	6.35							
24000	1082	1052	1115	1087		16	9.53		_	1	_		ı
30000-48000	1350	1400	1380	1400	1430	19	12.7	252	35	930	310	3	4

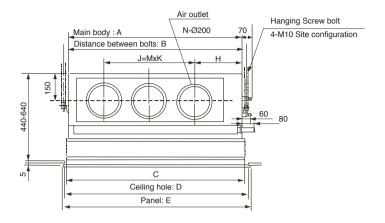




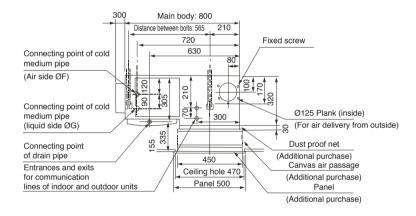


YUKC 60

The positioning of ceiling hole and indoor unit and hanging screw bolt:

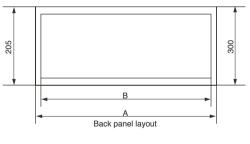


Install the main body:

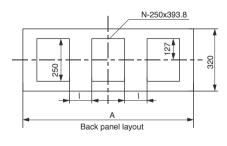


Capacity (Btu/h)	А	В	С	D	Е	F	G	Н	I	J	K	М	N
60000	1350	1400	1380	1400	1430	19	12.7	252	35	930	310	3	4

When using a back-air installation, please refer to the following:



YUKC 18-48



YUKC 60



OUTDOOR UNITS

CAUTIONS

- · Keep this unit away from direct radiation of the sun or other heaters.
- · If unavoidable, please cover it with a shelter.
- In places near coast or with a high attitude where the wind is violent, please install the outdoor unit against the wall to ensure normal performance.
 - Use a baffle when necessary.
- In the case of extremely strong wind, please prevent the air from flowing backwards into the outdoor unit. (Refer to chart 1)
- · Locate the outdoor unit as close to the indoor unit as possible.
- The minimum distance between the outdoor unit and obstacles described in the installation chart does not mean that the same is applicable to the situation of an airtight. Leave open two of three directions A, B, C.

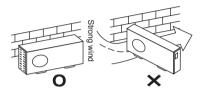


Chart 1

NECESSARY ROOM FOR INSTALLATION AND MAINTENANCE

(Refer to chart 2, chart 3)

Remove the obstacles nearby to prevent the performance from being impeded by too little of air circulation. The minimum distance between the outdoor unit and obstacles described in the installation chart does not mean that the same is applicable to the situation of an airtight room. Leave open two of the three directions (A, B, C).

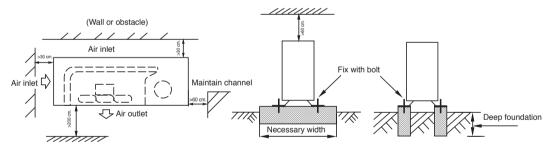


Chart 2 Chart 3



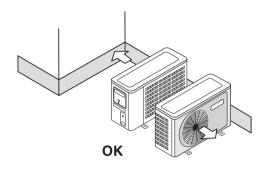


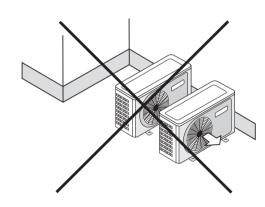
MOVING AND INSTALLING

- · Since the gravity center of this unit is not at its physical center, so please be careful when lifting it with a sling.
- Never hold the air-in of the outdoor unit to prevent it from deforming.
 Do not touch the fan with hands or other objects.
- Do not lean it more than 45°, and do not lay it sidelong.
- Please fasten the feet of this unit with bolts firmly to prevent it from collapsing in case of earthquake or strong wind.
- Make concrete foundation of the size of 590 x 328. (Refer to chart 3)

COLD AREA RECOMMENDATION

- Outdoor heat pump unit: install the unit at least 10 cm above ground level to facilitate drainage of defrost water and
 prevent accumulation of ice. In effect, defrost water can cause accumulation of ice under the unit during subfreezing
 outdoor temperatures.
- · In areas with heavy snowfallit is best to install the unit on wall supports.
- In some regions, it is necessary to heat the bottom of the condensate drainage pan and the condensate drainage piping to avoid ice formation, and resulting ice build-up in the fan compartment (heater strip must be at least 25 W/m).





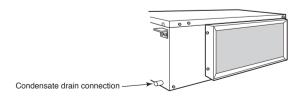
CONDENSATE DRAINAGE

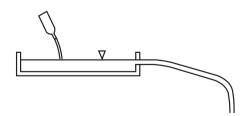
Condensate drainage is provided on the unit. The connection is located at the rear.

To ensure correct condensate drainage, the drain line must be installed with a gradient of at least 2% (2 cm per meter) and without any upward slopes. An elbow trap at least 50 mm in height must also be provided.

If possible, install a U bend fitted with an inspection cap.

Where the condensate lines from several units are joined together, each individual outlet must be fitted with an elbow trap. After routing and connecting condensate lines, pour water into the collecting pan and check that it drains correctly. An auxiliary condensate pump could be installed in cases where drain lines cannot be routed the correct gradient.





14 E

REFRIGERANT PIPING CONNECTIONS

■ Fixing and Piping

- Piping must be performed by qualified personnel according to good refrigeration system practices.
- Piping materials and insulation materials must be of refrigerant quality.
- Select the pipe diameters according to the size of unit and cut the pipe to design length by using pipe cutter.
- · Install the flare nuts and flare the end of the pipes.
- · Check that no foreign bodies are inside the piping.
- Align the central of the connection pipes and tighten the flare nut.
- Fix piping with pipe clamps and check that any pipe vibrations cannot be transmitted to the building structure.

NOTES

- · Connect the pipe correctly.
- · Do not apply the excessive torque.
- Use an appropriate bending tool to form curves and avoid over-tightening the refrigerant tubes.
- To prevent heat loss, the two lines must be insulated separately.

■ Maximum Piping Length

Unit size	18	24	30	36	48	60
(m)	30	30	30	30	30	30

The suction line must have a 2% gradient up to the compressor on horizontal sections.

Where piping lengths are unusually long and include a large number of oil traps, it may be necessary to adjust to compressor charge.

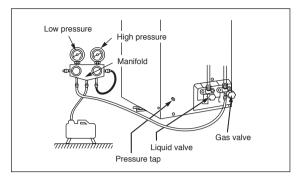
Refrigerant charge to be added per extra meter of piping length when more than 5 meters.

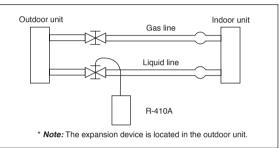
Unit size	Models					
	18	24	30	36	48	60
(g/m)	30	65	90	90	90	90

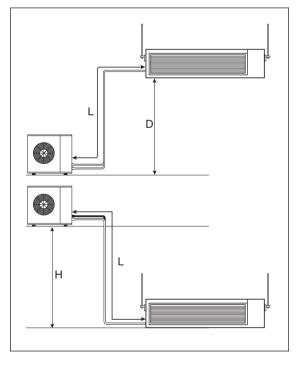
Prefabricated refrigerant piping is available as an accessory. If this is not used, piping and insulating materials employed must be compatible with this type of installation.

The pre-charged outdoor unit does not require charging if piping length is 5 m or less. However, the interconnecting piping and the indoor unit must be pumped down before releasing R-410A refrigerant into them from the outdoor unit.

- 1. Remove the cap from the service valve.
- Connect the line to a vacuum pump and pump down to 5 Pa.
- When pump down is finished, wait 15 minutes to detect potential circuit leakage. Open service valves on the outdoor unit.









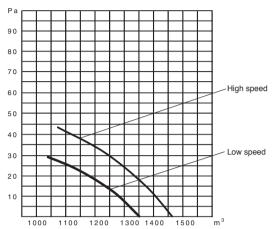




For ducted installations, check air flow and static pressure against values shown in the following diagrams.

Pa 90 80 70 60 High speed 50 20 10

Insufficient air flow can cause operating problems such as icing which may damage the compressor in the outdoor unit.



Model 18

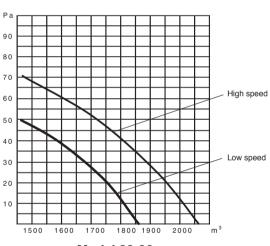
1000 1100

1200

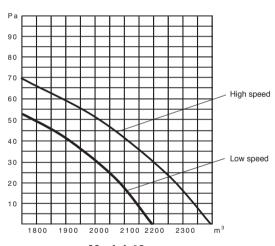
900

700

800

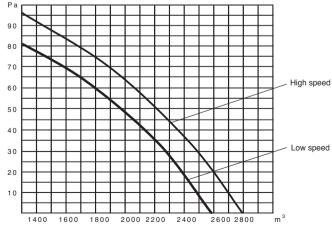


Model 24



Model 30-36





Model 60

Note: 07-18K for free blow application.







WIRING DIAGRAMS

Wiring

Prepare the power source for exclusive with the air conditioner.

The supply voltage must comply with the rated voltage of the air conditioner. The plug socket shall be accessible after installation.

Remark: All the wiring must be based on the wiring nameplate which is shown on the model.

CAUTIONS

- Perform the wiring with sufficient capacity. Installation places legally require a short circuit isolator to be attached to prevent electrical shock.
- · Do not extend the power cable code by cutting.
- Power voltage should be in the range of 90%-110% of rated voltage.
- The plug of the air conditioner takes a grounding leg, and clients should use a grounding socket so that the air conditioner can be grounded efficiently.
- · If the power cord is damaged, replacement should be conducted by qualified technician or a serviceman.

NOTE Remark per EMC Directive 89/336/EEC

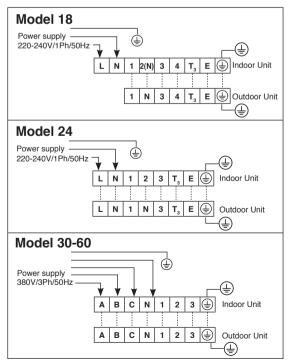
To prevent flicker impressions during the start of the compressor (technical process), following installation conditions do apply.

- 1. The power connection for the air conditioner has to be done at the main power distribution.

 The distribution has to be of a low impedance, normally the required impedance reaches at a 32 A fusing point.
- 2. No other equipment has to be connected with this power line.
- For detailed installation acceptance, please refer to your contract with the power supplier if restrictions do apply for products like washing machines, air conditioner or electrical ovens.
- 4. For power details of the air conditioner, refer to the rating plate of the product.
- 5. For any question, contact your local dealer.

CAUTIONS

- Never modify the unit by removing any of the safety guards or by bypassing any of the safety interlock swithces.
- Connect the connecting cable correctly and connect the connecting cable to terminal as identified with their respective marks.
- Do not scratch the conductive core & inner insulator of power supply cables and do not deform or smash on the surface of cables.



■ Electrical work

Model	Power source	Circuit breaker/ fuse	Wiring size
18000 Btu/h	220-240V - 50Hz	30/25A	3 x 1.5 mm ²
24000 Btu/h	220-240V - 50Hz	40/25A	3 x 2.5 mm ²
30000 Btu/h	380V 3N - 50Hz	20/15A	5 x 1.5 mm ²
36000-60000 Btu/h	380V 3N - 50Hz	25/15A	5 x 2.5 mm ²

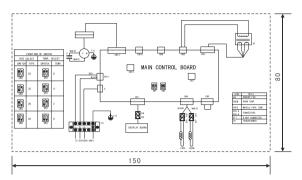
NOTE

The supply voltage must be consistent with the rate voltage of the air conditioner.

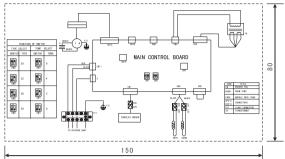




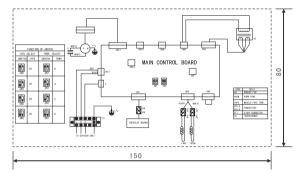
YUKC 07



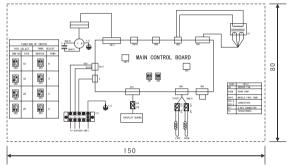
YUKC 09



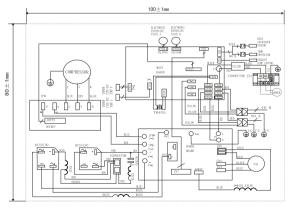
YUKC 12



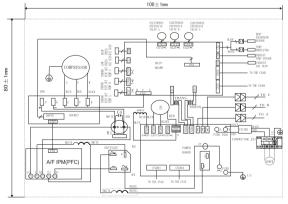
YUKC 18



RRJC 18



RRJC 27



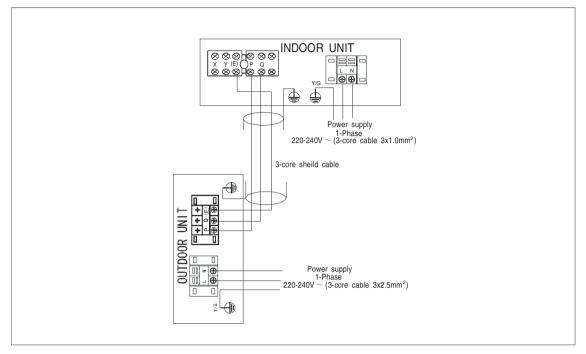




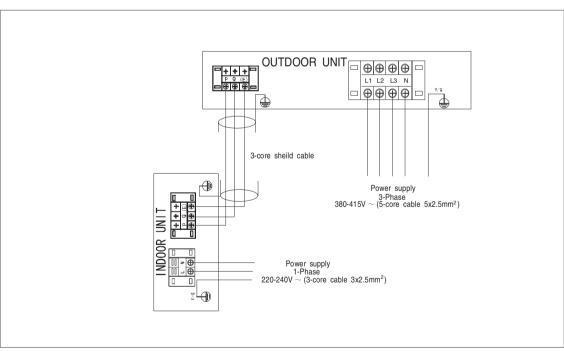
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DC Inverter R-410A

(



For 18,000-24,000 Btu/h



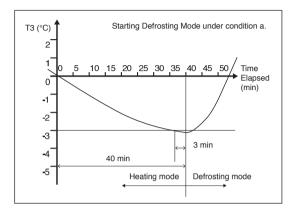
For 36,000-60,000 Btu/h

2/1/07 9:41:34 AM



DEFROSTING OPERATION (Available for heating only)

- Condition to start defrosting: Units will switch to defrosting mode when either of the following conditions is met.
 - a. Unit has been running under T3 < 0°C for 40 minutes and T3 < -3°C for 3 minutes.



- b. Unit has been running at high temperature protection mode* for 90 minutes. (*High temperature protection mode: when coil temperature of indoor unit reaches 55°C, outdoor unit will turn off external unit fan but still keep compressor running).
- Condition to stop defrosting: Units will switch back to heating mode when either of the following conditions is met.
 - Unit has been running at defrosting mode for 10 minutes.
 - b. T3 > 20 °C

Remark: T3 is coil temperature of outdoor units.

SERVICE AND MAINTENANCE

The units are designed to operate for long periods of time with a minimum of maintenance. However, the following operations must be performed regularly.

COMPONENT	MAINTENANCE OPERATIONS	RECOMMENDED FREQUENCY
Air filter	 Clean with a vacuum cleaner or tap gently then wash in warm water (40°C) with a mild detergent. Rinse and dry before replacing on unit. Never use petrol, alcohol or any other chemical product. 	Every month or more often if necessary.
Unit casing	 Remove dust from the front panel with a soft duster or wipe a damp cloth with a mild soap solution. Never use petrol, alcohol or any other chemi- cal product. 	Every month or more often if necessary.
Drain pan and evacuation piping	1 - Clean and check for obstructions.	Each season before start up.
Indoor / Outdoor coils	Check condition and remove dust from between coil fins.	Each season before start up.
Compressor	1 - No maintenance required.	_







OPERATION TIPS

The following events may occur during normal operation.

1. Protection of the air conditioner.

Compressor protection

The compressor can not restart for 3 minutes after it stops.

Anti-cold air (Cooling and heating models only)

- The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.
 - A) When heating has just starting.
 - B) Defrosting.
 - C) Low temperature heating.
- The indoor or outdoor fan stop running when defrosting (Cooling and heating models only).

Defrosting (Cooling and heating models only)

- Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency of the air conditioner.
- · During this condition air conditioner will stop heating operation and start defrosting automatically.
- The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost buildup on the outdoor unit.

2. A white mist coming out from the indoor unit.

- A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode
 in an indoor environment that has a high relative humidity.
- A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

3. Low noise of the air conditioner.

- You may hear a low hissing sound when the compressor is running or has just stopped running.
 This sound is the sound of the refrigerant flowing or coming to a stop.
- You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused
 by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.
- A noise may be heard due to louver restoring to its original position when power is first turned on.

4. Dust is blown out from the indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5. A peculiar smell comes out from the indoor unit.

This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

The air conditioner turns to FAN only mode from COOL or HEAT (for cooling and heating models only) mode.

When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode (for cooling and heating models only) to the set point.

7. Dripping water may generate on the surface of the indoor unit when cooling in a high relatively humidity (relative humidity higher than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

8. Heating mode (For cooling and heating models only)

The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. If a comfortable temperature can not be achieved by the air conditioner, we suggest you use a supplementary heating device.

9. Auto-restart function

Power failure during operation will stop the unit completely. For the unit without Auto-restart feature, when the power restores, the RUN indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller. For the unit with Auto-restart feature, when the power restores, the unit restarts automatically with all the previous settings preserved by the memory function.

10. Lightning or a car wireless telephone operating nearby may cause the unit to malfunction.

Disconnect the unit with power and then re-connect the unit with power again. Push the ON/OFF button on the remote controller to restart operation.





TROUBLE SHOOTING GUIDE

Problem	Probable cause	Remedy		
A. The air conditioner does not run.	 Power failure. Fuse blown or circuit breaker open. Voltage is too low. Faulty contactor or relay. Electrical connections loose. Thermostat adjustment too low (in heating mode) or too high (in cooling mode). Faulty capacitor. Incorrect wiring, terminal loose. Pressure switch tripped. 	 Wait for power resume. Replace the fuse or reset the breaker. Find the cause and fix it. Replace the faulty component. Retighten the connection. Check thermostat setting. Find the cause then replace capacitor. Check and retighten. Find the cause before reset. 		
B. The outdoor fan runs but the compressor will not start.	Motor winding cut or grounded. Faulty capacitor.	 Check the wiring and the compressor winding resistance. Find the cause then replace capacitor. 		
C. There is insufficient heating or cooling.	There is a gas leak. Liquid and gas line insulated together. The room was probably very hot (cool) when you started the system.	 Remove charge, repair, evacuate and recharge. Insulate them separately. Wait while unit has enough time to cool the room. 		
D. The compressor runs continuously.	Thermostat adjustment too low (in heating mode) or too high (in cooling mode). Faulty fan. Refrigerant charge too low, leak. Air or incondensables in refrigerant circuit.	 Check thermostat setting. Check condenser air circulation. Find leak, repair and recharge. Remove charge, evacuate and recharge. 		
E. The compressor starts but shuts down quickly.	 Too much or too little refrigerant. Faulty compressor. Air or incondensables in refrigerant circuit. Changeover valve damaged or blocked open (heat pump unit). 	 Remove charge, evacuate and recharge. Determine the cause and replace compressor. Remove charge, evacuate and recharge. Replace it. 		
F. Clicking sound is heard from the air conditioner.	In heating or cooling operation any plastic parts may expand or shrink due to a sudden temperature change in this event, a clicking sound may occur.	In heating or cooling operation any plastic parts may expand or shrink due to a sudden temperature change in this event, a clicking sound may occur.		







DECLARATION OF CONFORMITY



DECLARATION OF CONFORMITY

Type of Equipment **Brand Name** Type Designation

Air Conditioners YORK YUKC-YUJC 12/18/24/30/36/48/60FU

Application of Council

EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC and Machine Safety Directive: MSD 98/37/CE

Directive (s)

The following harmonized standards have been applied:

Standard (s)

EN 60 335-1: 2002+A11 EN 60 335-2-40 : 2003 EN 50366: 2003 EN 55 014-1/A2 : 2002 EN 55 104-2/A1: 2001 EN 61000-3-2:2002 EN 61000-3-3: 1995+A1

The product complies with the harmonized European safety standards and harmonized EMC standards listed above.

We have internal production control system that ensures compliance between the manufacturer products and the technical documentation.

The product is CE mark.

We declare under our sold responsibility that the equipment follows the provisions of the Directives stated above.

Authorized Representative:



CM Choi Shipping Manager

YORK International (Northern Asia) Ltd.
15/F., Tower II, World Trade Square, 123 Hoi Bun Road, Kwun Tong, Kowloon, Hong Kong Telephone: (852) 2331 9286 Fax: (852) 2331 9840
Technical Service Division: Telephone: (852) 2331 9286 Fax: (852) 2304 0068

INSTALLATION, REMOVAL AND DISPOSAL

This product contains refrigerant under pressure, rotating parts, and electrical connections which may be a danger and cause injury! All work must only be carried out by competent persons using suitable protective clothing and safety precautions.











Read the Manual

Risk of electric shock

Unit is remotely controlled and may start without warning

- 1. Isolate all sources of electrical supply to the unit including any control system supplies switched by the unit. Ensure that all points of electrical and gas isolation are secured in the OFF position. The supply cables and gas pipework may then be disconnected and removed. For points of connection refer to unit installation instructions.
- 2. Remove all refrigerant from each system of the unit into a suitable container using a refrigerant reclaim or recovery unit. This refrigerant may then be reused, if appropriate, or returned to the manufacturer for disposal. Under No circumstances should refrigerant be vented to atmosphere. Where appropriate, drain the refrigerant oil from each system into a suitable container and dispose of according to local laws and regulations governing disposal of oily wastes.
- 3. Packaged unit can generally be removed in one piece after disconnection as above. Any fixing down bolts should be removed and then unit lifted from position using the points provided and equipment of adequate lifting capacity. Reference MUST be made to the unit installation instructions for unit weight and correct methods of lifting. Note that any residual or spilt refrigerant oil should be mopped up and disposed of as described above.
- 4. After removal from position the unit parts may be disposed of according to local laws and regulations.





