

## Contents

Product list.....	2
Specification.....	3
Device in package.....	5
System diagram.....	6
Dimension of outdoor unit.....	7
Installation space.....	10
Wiring instruction.....	13

## Product list



**RK-DC7C**  
**RK-DC7H**



**RK-DC10C/S**      **RK-DC10H/S**  
**RK-DC14C/S**      **RK-DC14H/S**



**RK-DC16C/S**  
**RK-DC16H/S**



**RK-DC22C/S**  
**RK-DC28C/S**



**RK-DC22H/S**  
**RK-DC28H/S**



**RK-DC45C/S**  
**RK-DC45H/S**

# Specification

Cooling only

Model			RK-DC7C	RK-DC10C/S	RK-DC14C/S	RK-DC16C/S	RK-DC22C/S	RK-DC28C/S	RK-DC45C/S
Capacity	Cooling	KW	7	10	14	16	22	28	45
Power supply		V-Hz-Ph	220-240,50,1	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3
Compressor Brand			Hitachi	Sanyo	Sanyo	Sanyo	Hitachi	Hitachi	Hitachi
Performance	Air flow volume	m <sup>3</sup> /h	4000	5000	5000	6000	11800	11500	14000
	Noise level	dB(A)	47	49	50	52	67	67	63
Refrigerant	Type		R22	R22	R22	R22	R22	R22	R22
	Charge volume	g	1650	1400	1700	2900	6200	6500	12000
Net dimension	W×H×D	mm	895×862×313	990×966×354	990×966×354	900×1167×340	1255×908×700	1255×908×700	1380×1630×830
Packing dimension	W×H×D	mm	1043×915×395	1120×1100×435	1120×1100×435	1032×1307×443	1320×1060*715	1320×1060*715	1434×1790×860
Net weight		kg	62	85	88	94	161	177	356
Gross weight		kg	64	90	95	102	176	192	382
Qty' Per' 20'/40'/40'HQ	Outdoor	Pieces	62/126/128	50/106/108	50/106/108	27/57/112	24/54/54	24/54/54	10/21/21
Piping diameter	Liquid side	mm	φ9.53	φ12.7	φ9.53	φ9.53	φ12.7	φ12.7	φ15.9
	Gas side	mm	φ15.9	φ19	φ19	φ19	φ22/ φ25(pipe length L ≥ 30m)	φ25/ φ28(pipe length L ≥ 30m)	φ35
	Max. pipe length	m	20	25	25	30	50	50	50
	Max. difference in level	m	10	10	10	15	30	30	20

Cooling & heating

Model			RK-DC7H	RK-DC10H/S	RK-DC14H/S	RK-DC16H/S	RK-DC22H/S	RK-DC28H/S	RK-DC45H/S
Capacity	Cooling	KW	7	10	14	16	22	28	45
	Heating	KW	7.6	12	15	19	25	30	48
Power supply		V-Hz-Ph	220-240,50,1	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3
Compressor Brand			Hitachi	Sanyo	Copeland	Sanyo	Copeland	Copeland	Hitachi
Performance	Air flow volume	m <sup>3</sup> /h	4000	5000	5000	6000	10000	10000	14000
	Noise level	dB(A)	47	49	50	52	63	63	63
Refrigerant	Type		R22	R22	R22	R22	R22	R22	R22
	Charge volume	g	2300	2500	3100	4200	8500	8500	12000
Net dimension	W×H×D	mm	895×862×313	990×966×354	990×966×354	900×1167×340	997×880×1830	997×880×1830	1380×1630×830
Packing dimension	W×H×D	mm	1043×915×395	1120×1100×435	1120×1100×435	1032×1307×443	1104×1084*2030	1104×1084*2030	1434×1790×860
Net weight		kg	64	96	90	104	280	280	356
Gross weight		kg	66	106	96	112	290	290	382
Qty' Per' 20'/40'/40'HQ	Outdoor	Pieces	62/126/128	50/106/108	50/106/108	27/57/112	10/20/22	10/20/22	10/21/21
Piping diameter	Liquid side	mm	φ9.53	φ12.7	φ12.7	φ9.53	φ12.7	φ12.7	φ15.9
	Gas side	mm	φ15.9	φ19	φ19	φ19	φ28.6	φ28.6	φ35
	Max. pipe length	m	20	25	25	30	50	50	50
	Max. difference in level	m	10	10	10	15	20	20	20

## Device in package

### Cooling only models

capacity	Outdoor unit		expansion valve		Dry filter		sight glass	
	sale model	Qty	model	Qty	model	Qty	model	Qty
7.1kW	RK-DC7C	*1	TGEX3	*1	DTG63016-3C	*1	SGI+10S	*1
10.5kW	RK-DC10C	*1	TGEX3	*1	DTG63016-3C	*1	SGI+10S	*1
14kW	RK-DC14C	*1	TGEX4	*1	DTG63008-4C	*1	SGI+12S	*1
16kW	RK-DC16C	*1	TGEX6	*1	DTG63016-3C	*1	SGI+10S	*1
22kW	RK-DC22C	*1	TGEX7.5	*1	DTG63008-4C	*1	SGI+12S	*1
28kW	RK-DC28C	*1	TGEX7.5	*1	DTG63008-4C	*1	SGI+12S	*1
45kW	RK-DC45C	*1	TGEX12	*1	DTG63016-5C	*1	SGI+16S	*1

### Cooling & heating models

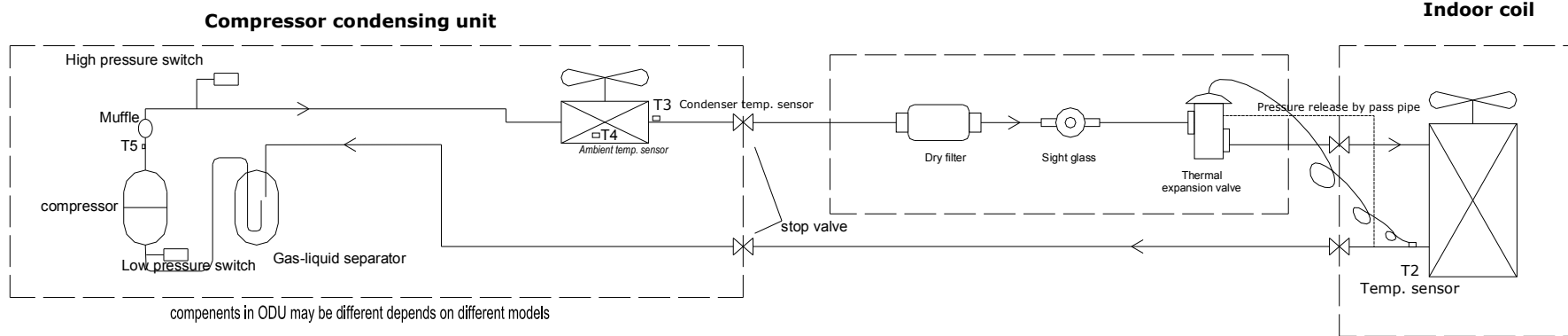
capacity	Outdoor unit		expansion valve		Dry filter		sight glass		one way valve	
	sale model	Qty	model	Qty	model	Qty	model	Qty	model	Qty
7.1kW	RK-DC7H	*1	TGEX3	*2	JRDK-083S	*1	SGI+10S	*1	DXF-18	*2
10.5kW	RK-DC10H	*1	TGEX3	*2	JRDK-083S	*1	SGI+10S	*1	DXF-18	*2
14kW	RK-DC14H	*1	TGEX4	*2	JRDK-084S	*1	SGI+12S	*1	DXF-06V	*2
16kW	RK-DC16H	*1	TGEX6	*2	JRDK-083S	*1	SGI+10S	*1	DXF-18	*2
22kW	RK-DC22H	*1	TGEX7.5	*2	JRDK-084S	*1	SGI+12S	*1	DXF-06V	*2
28kW	RK-DC28H	*1	TGEX7.5	*2	JRDK-084S	*1	SGI+12S	*1	DXF-06V	*2
45kW	RK-DC45H	*1	TGEX12	*2	JRDK-165S	*1	SGI+16S	*1	DXF-02V	*2

### Note

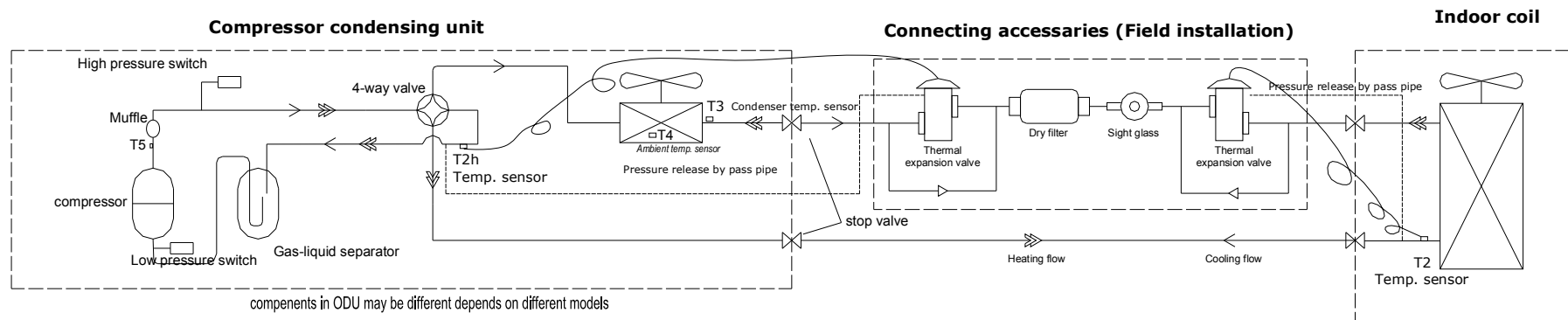
Midea Compressor condensing unit can be free connected with other indoor coils through a set of connection accessories list above (supplied by factory). Please install these accessories according to the piping diagram and the installation manual of each accessory.

# System diagram

## Cooling only



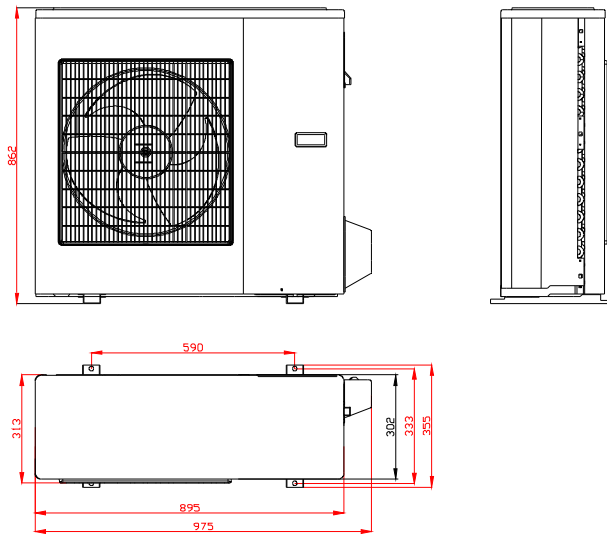
## Cooling & Heating



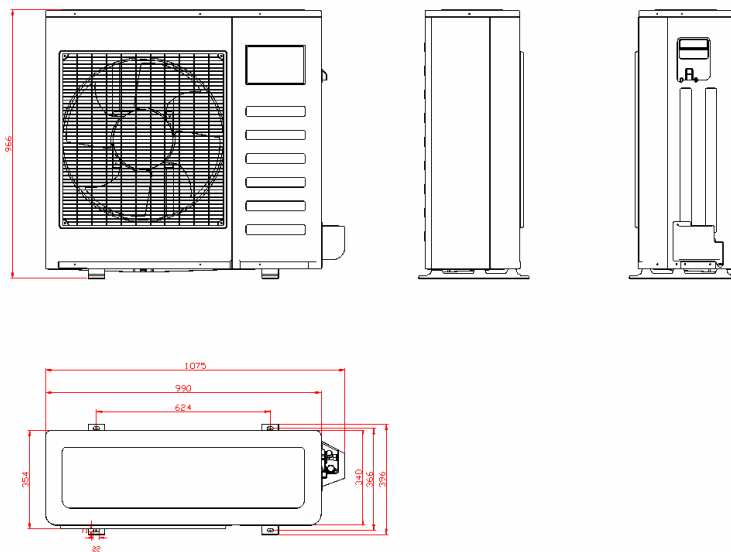
Connect the accessories according to the installation manual of each component.

## Dimension of outdoor unit

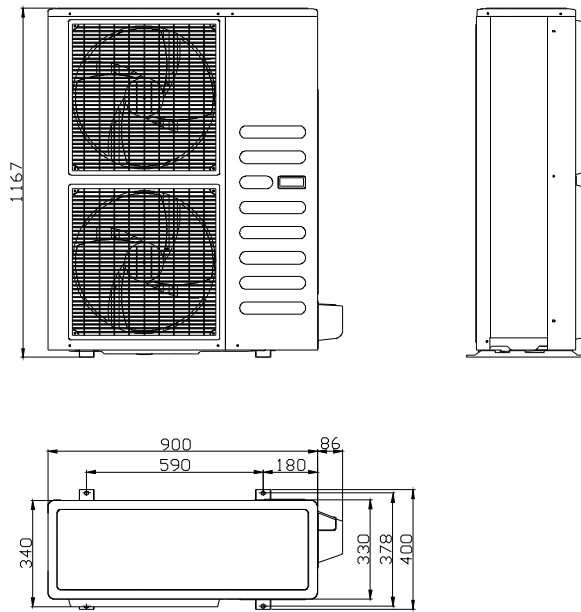
RK-DC7C(H)



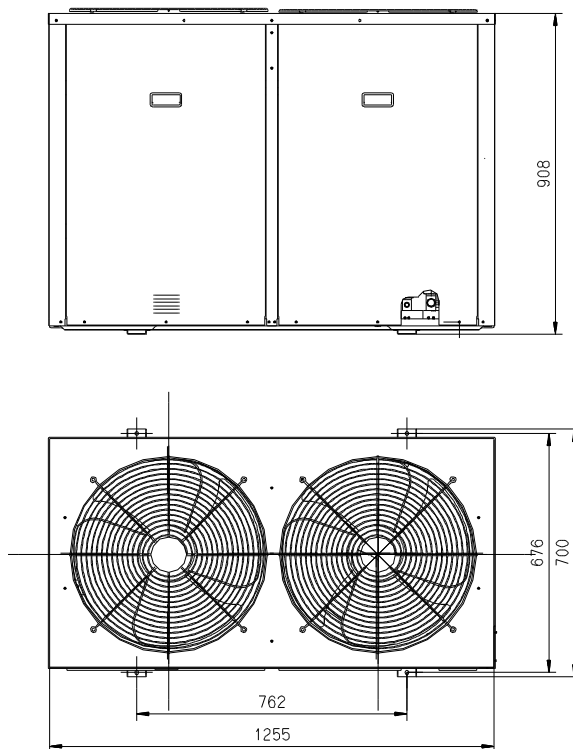
RK-DC10C(H), RK-DC14C(H)



RK-DC16C(H)

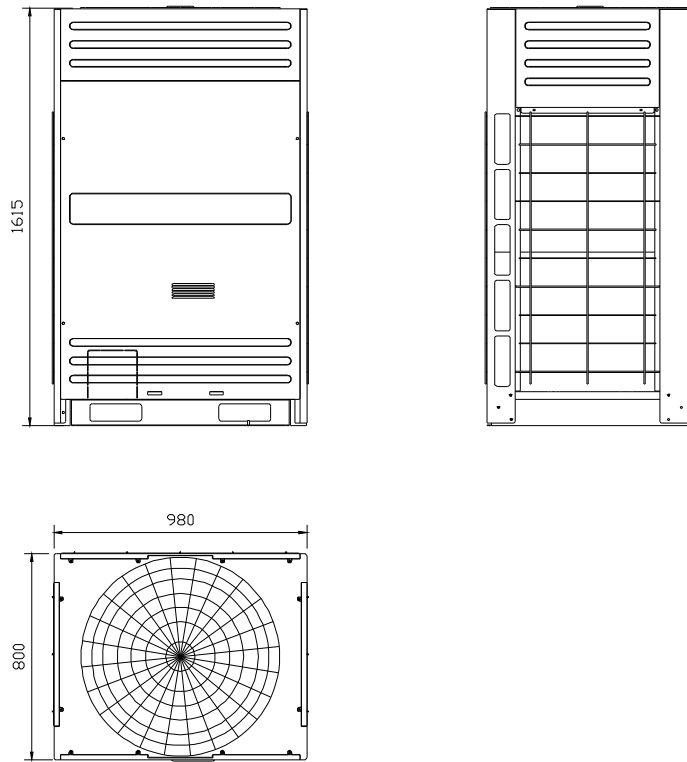


RK-DC22C, RK-DC28C

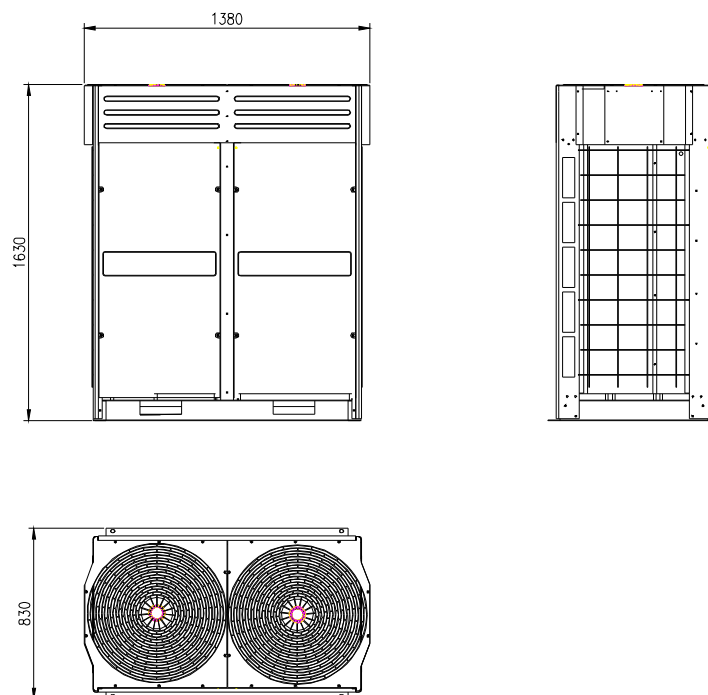




RK-DC22H, RK-DC28H

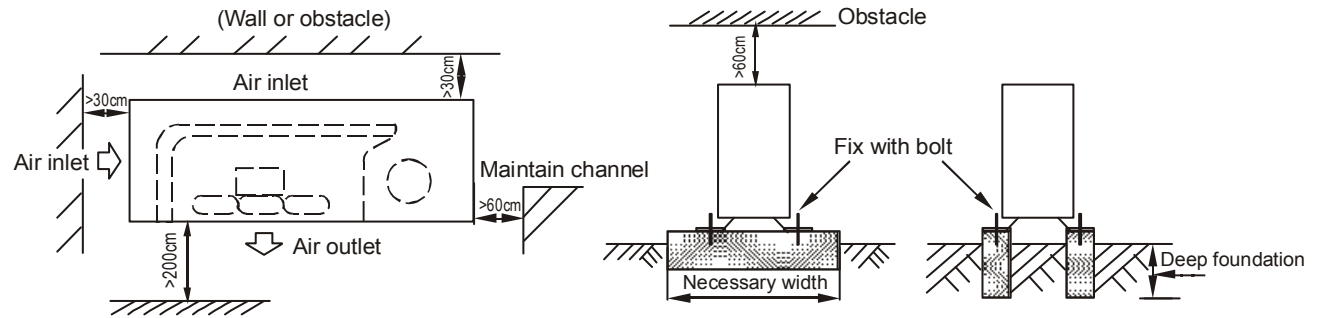


RK-DC45C(H)

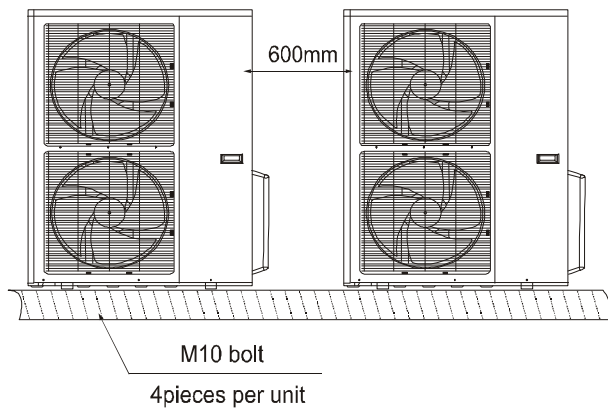


## Installation space

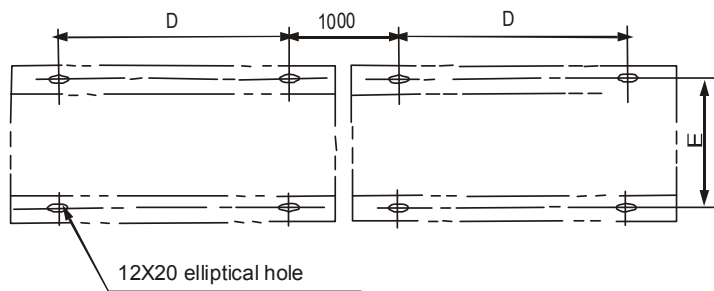
RK-DC7C RK-DC10C RK-DC14C RK-DC16C



600mm is necessary between 2 outdoor units

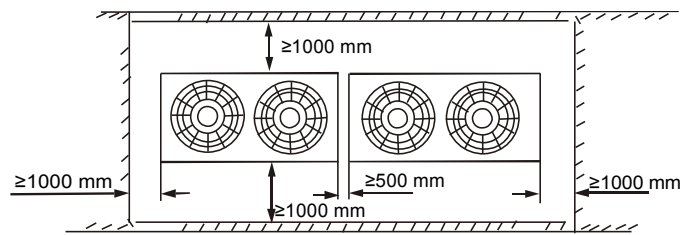


Distance between foot bolts



	RK-DC7C(H)	RK-DC10C(H), RK-DC14C(H)	RK-DC16C(H)
D	590	624	590
E	333	366	378

## RK-DC22C, RK-DC28C

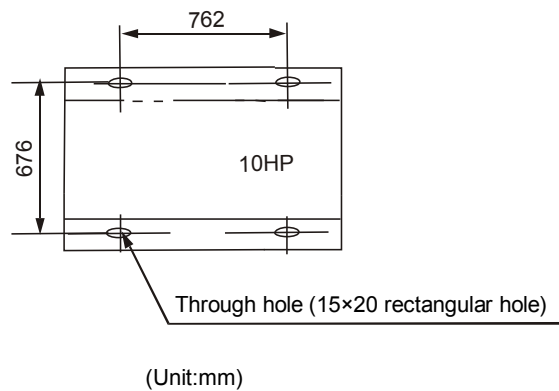


Top view of the outdoor unit (multiple units installed)

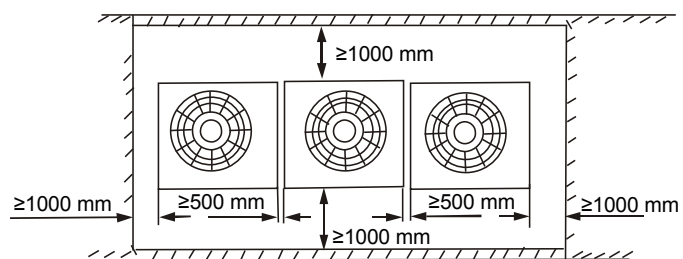
### Note:

1. In case any obstacles exist above the outdoor unit, such obstacles must be 2000mm above the outdoor unit.
2. If miscellaneous articles are piled around the outdoor unit, such articles must be 400mm below the top of the outdoor unit.

### Distance between foot bolts



## RK-DC22H, RK-DC28H



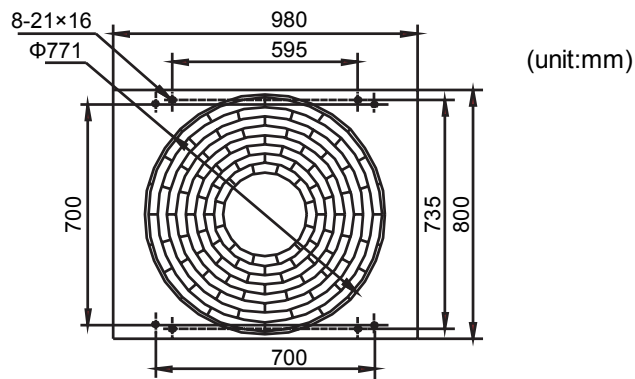
Top view of the outdoor unit (multiple units installed)

### Note:

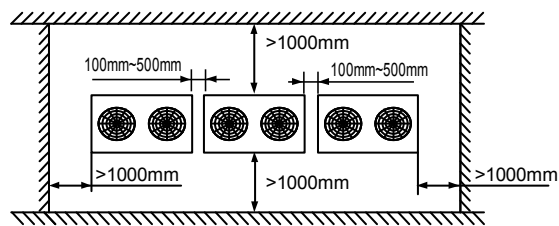
1. In case any obstacles exist above the outdoor unit, such obstacles must be 2000mm above the outdoor unit.
2. If miscellaneous articles are piled around the outdoor unit, such articles must be 400mm below the top of the outdoor unit.

See the following figure for foot bolts installed distance, unit: mm (Attention: Place outdoor units of the same system at a same level surface.)

Profile top view of model RK-DC22H, RK-DC28H (Height 1615mm), recommending apply mounting hole 700×700mm.

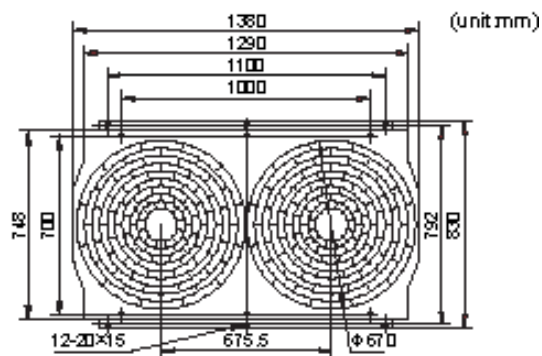


### RK-DC45C(H)



Top view of the outdoor unit

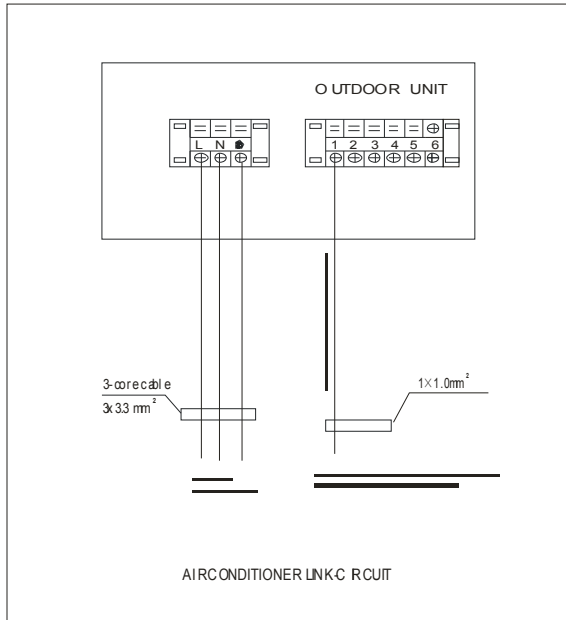
Profile top view of model RK-DC45C(H) (Height 1630mm), recommending apply mounting hole 1000×700mm.



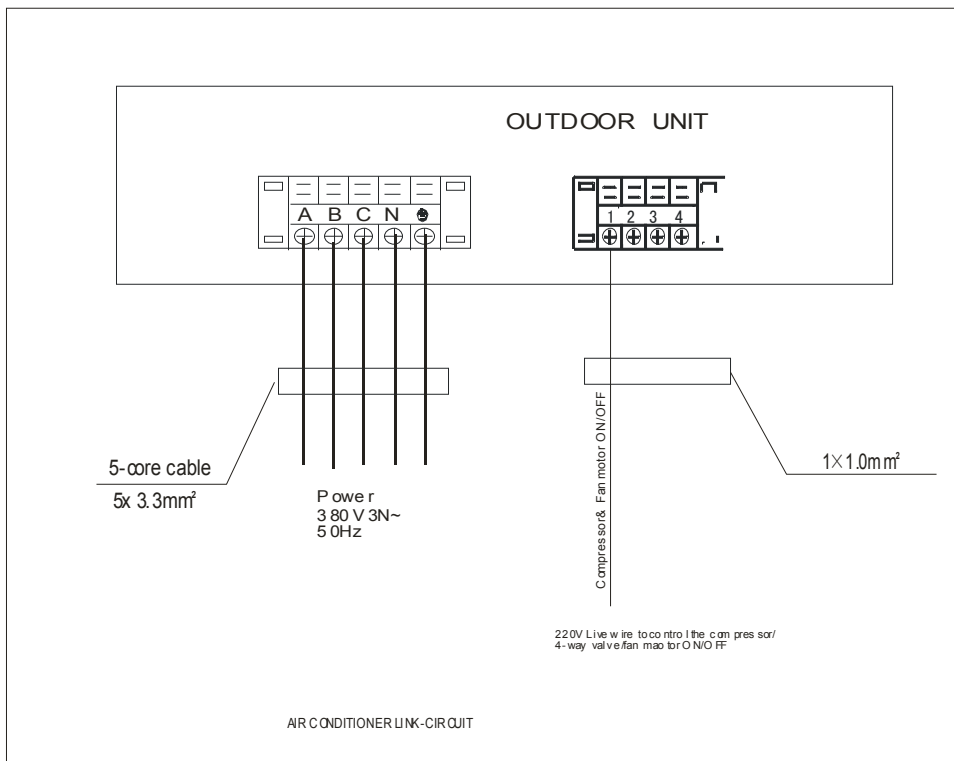
# Wiring instruction

## Cooling only models

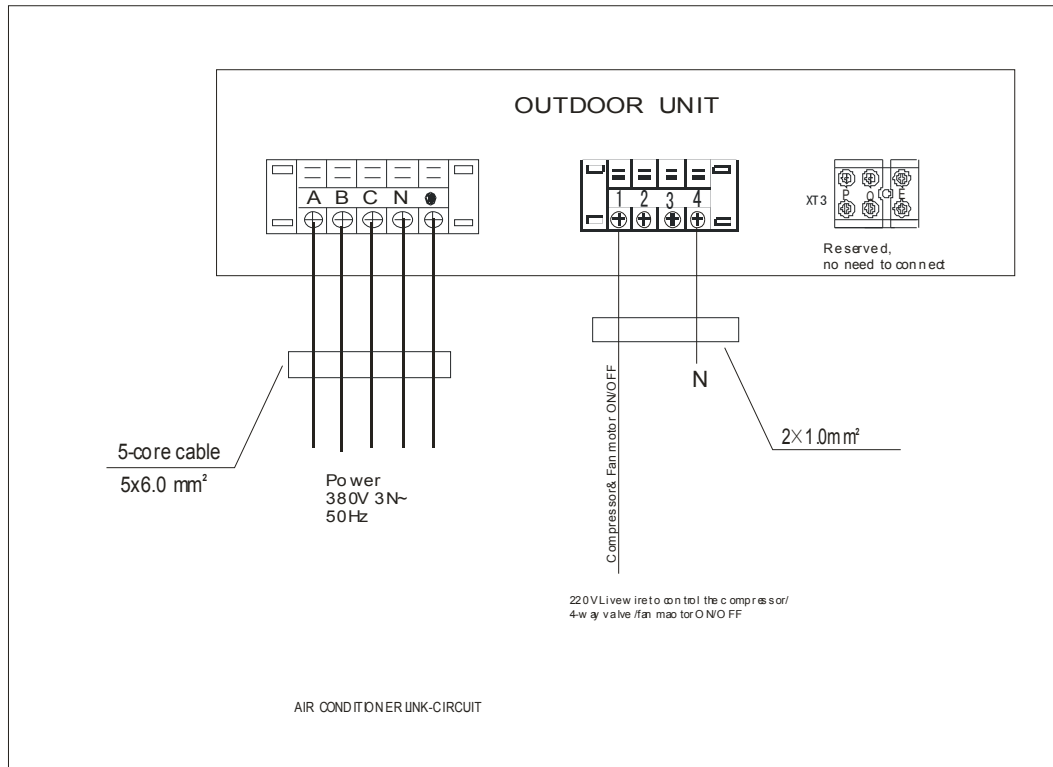
### RK-DC7C



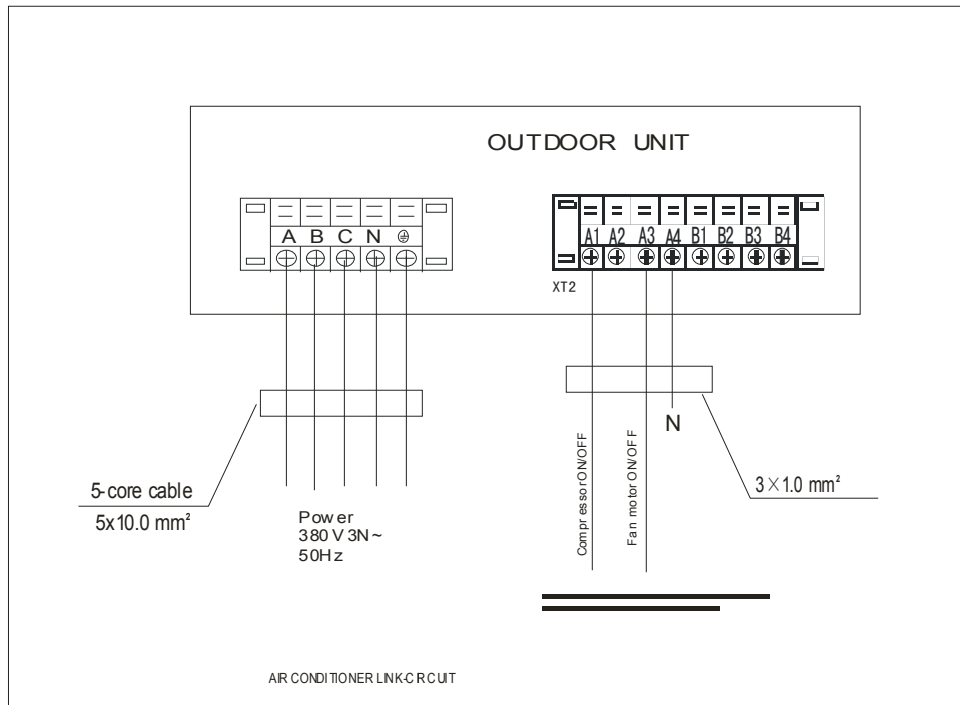
### RK-DC10(14/16)C



# RK-DC22(28)C

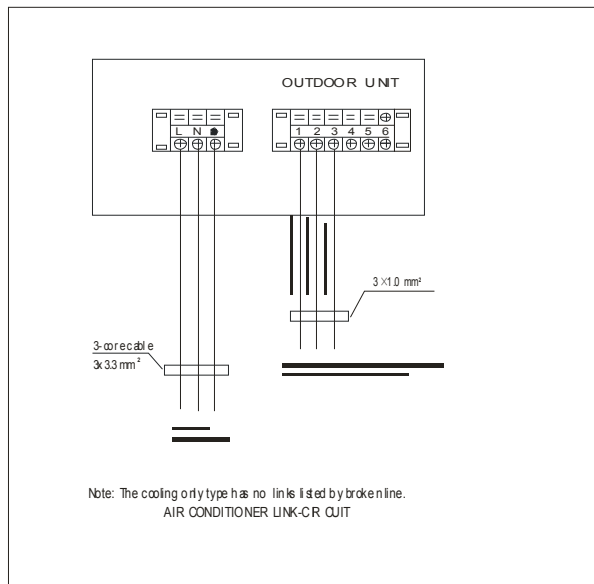


# RK-DC45C

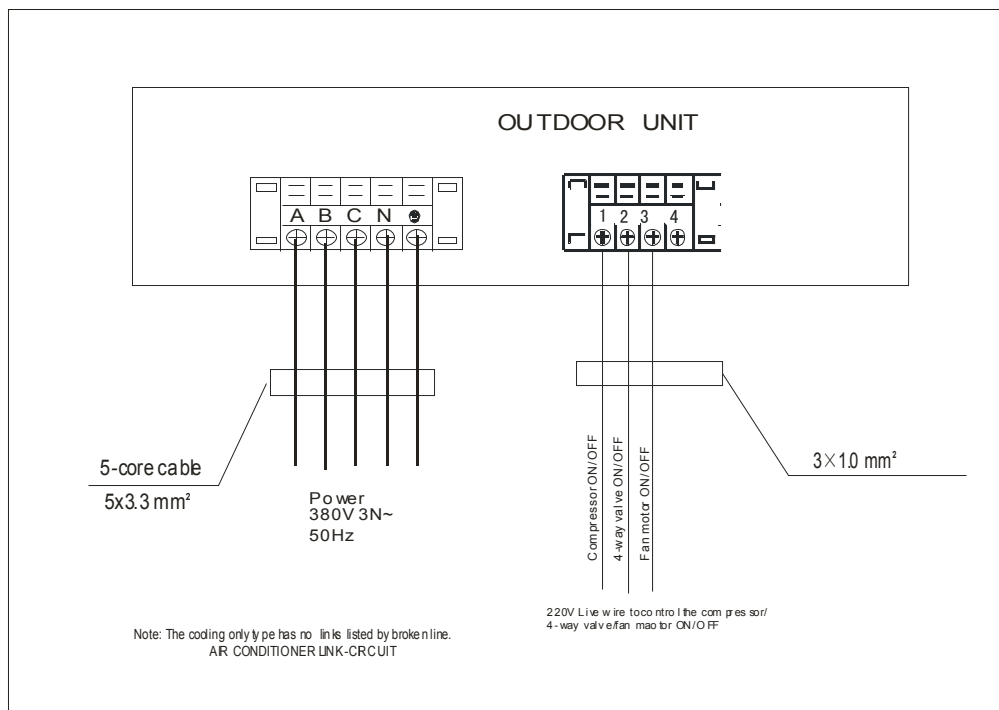


## Cooling & heating models

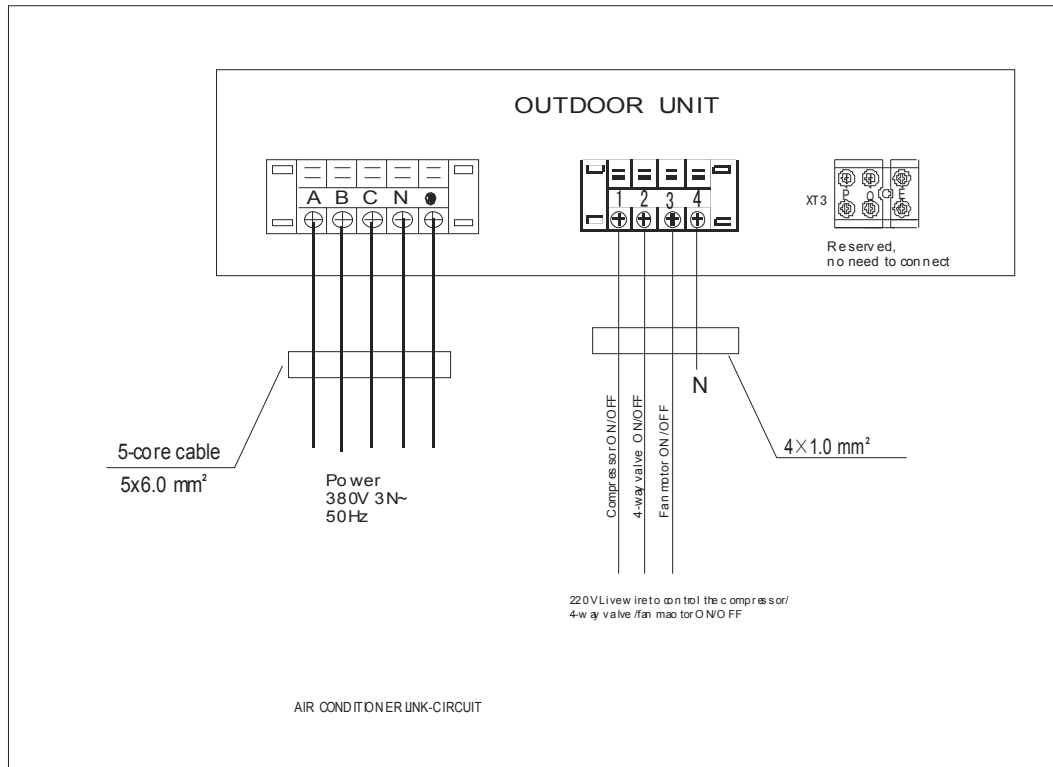
### RK-DC7H



### RK-DC10(14/16)H



### RK-DC22(28)H



### RK-DC45H

