2.Duct Type

Middle Static Pressure-Duct Type

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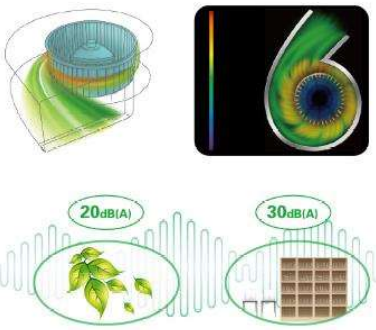
1. Features:

1.Ultra-thin body design.

2.Adopting aviation centrifugal fans,and CFD technology design,increasing air-volume and decreasing noise level.

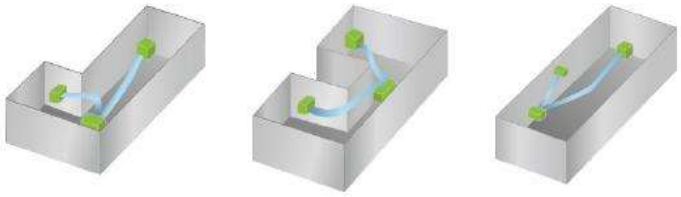


3. Filter can be taken out easily for clean maintenance.

4. Body-side is E-box,convenient for installation and maintenance.

5.Three fan speed,meeting different requirements.

6.30Pa ESP design,duct connected installation meeting different room structure.



4. Multi protection and auto-restart function.

2. Specifications

Model (Duct Indoor Unit)			MQC104024CHF2 16A	MQC104036CHF2 16A	MQC104048CHF2 16A	MQC104060CHF2 16A
Factory model			SA3-LF71F2W-AXA	SA3-LF105F2W-AX	SA3-LF140F2W-AX	SA3-LF160F2W-AX
Power supply		V/Ph/Hz	220/1/60	220/1/60	220/1/60	220/1/60
Cooling	Capacity	Btu/h	24000	36000	48000	60000
	Capacity	W	7034	10551	14068	17585
	Input	W	3430	3620	6519	7250
	Rated current	A	15.3	15.3	13.8	43
	EER	Btu/h.W	7.00	9.94	7.36	8.28
	EER	W/W	2.05	2.91	2.16	2.43
Max. input consumption		W	210	260	370	340
Max. current		A	1.8	2.1	1.8	1.8
Indoor external static pressure		pa	30	30	30	30
Starting current		A	42	50	80	98
Operation Control		\	wired	wired	wired	wired
Indoor coil	Number of rows		3	3	3	3
	Tube pitch(a)xrow pitch(b)	mm	22×19.05	22×19.05	22×19.05	22×19.05
	Fin spacing	mm	1.7	1.7	1.7	1.7
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94
			inner grooved	inner grooved	inner grooved	inner grooved
	Number of circuits		6	6	6	6
Indoor air flow(High speed)		m^3/h	1150	1300	2000	2000
Static Pressure		Pa	30	30	30	30
Indoor noise level		dB(A)	40～52	45～50	51～56	51～56
Indoor unit	Dimension(W*H*D)	Body(mm)	1190×260×643	1190×260×643	1425×260×643	1425×260×643
	Packing(W*H*D)	Body(mm)	1255×325×720	1255×325×720	1490×325×720	1490×325×720
	Net/Gross weight	Body(Kg)	32/36	32/36	46/50	46/50
Max pressure		MPa	4.0	4.0	4.5	3.8

Refrigerant type			R410A	R410A	R410A	R410A
Refrigerant piping	Liquid side/Gas side	mm	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	30	30	30	30
Operation temp		°C	16～32	16～32	16～32	16～32
Ambient temp		°C	-7～43	-7～43	-7～43	-7～43
Application area		m^2	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	90/168/162	75/168/180	75/168/180	75/168/180

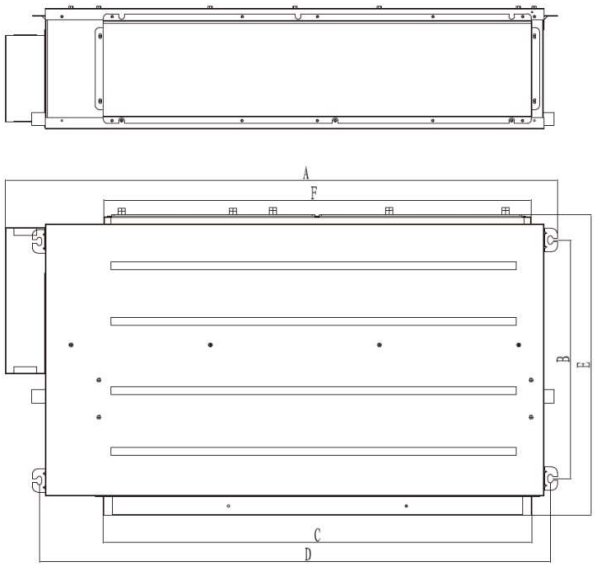
Notes: 1. Nominal cooling capacities are based on the following conditions:
Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal);

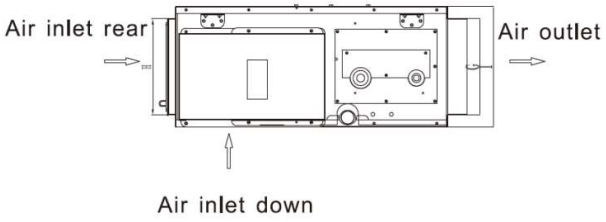
2. Nominal heating capacities are based on the following conditions:
Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

3.Dimensions

MQC104024CHF216A MQC104036CHF216A MQC104048CHF216A MQC104060CHF216A

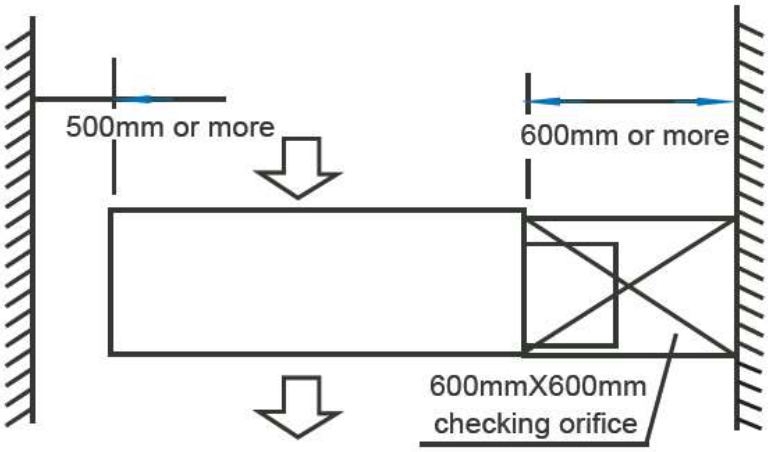




Model KBtu/h	A	B	C	D	E	F	G	H	I
24,36	1190	515	920	1100	643	920	207	207	260
48,60	1425	515	1155	1337	643	1155	207	207	260

4.Service Space

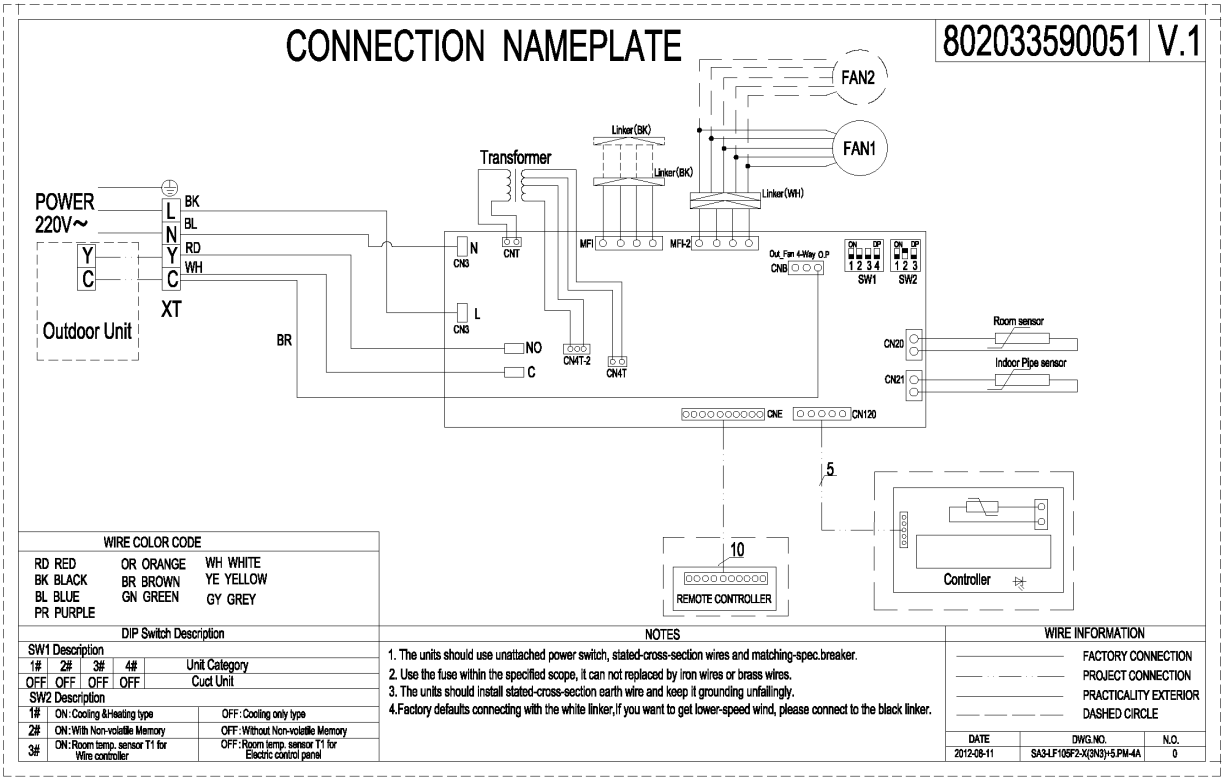
Ensure enough space required for installation and maintenance.



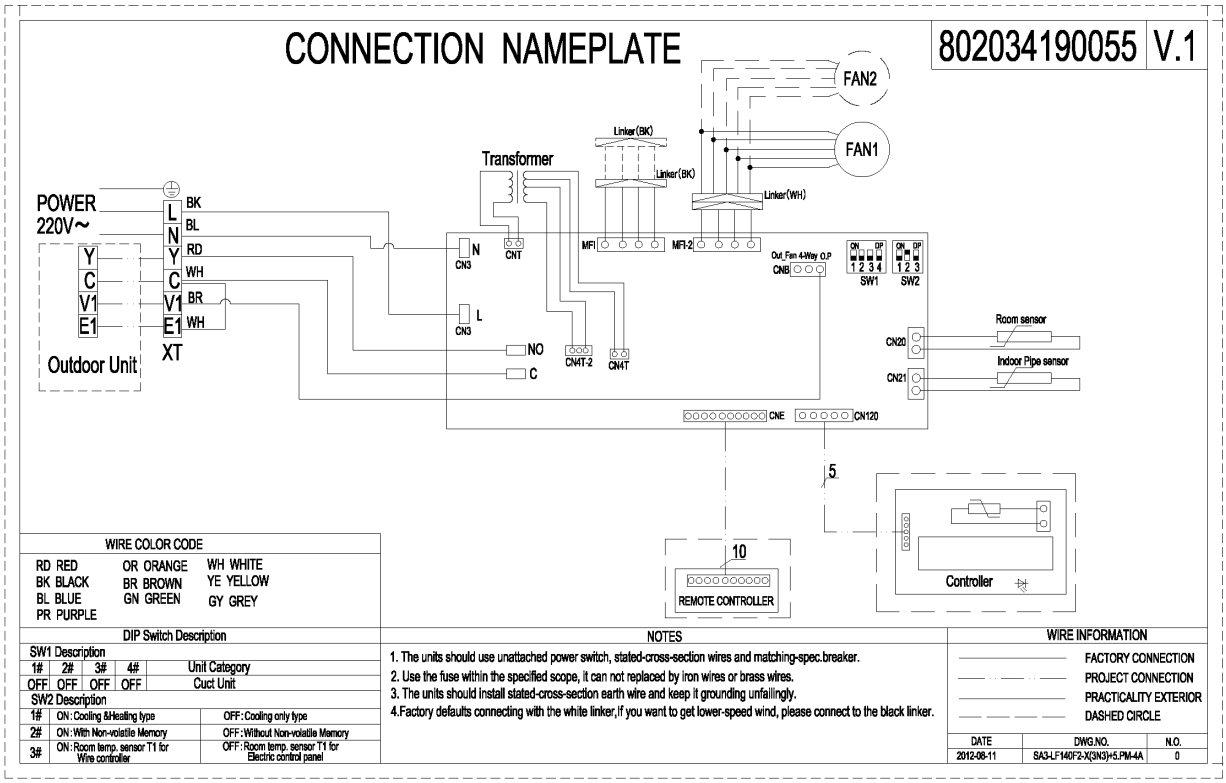
There is enough space for installation and maintenance. The ceiling is horizontal, and its structure can endure the weight of the indoor unit. The outlet and the inlet are not impeded, and the influence of external air is the least. The air flow can reach throughout the room. The connecting pipe and drainpipe could be extracted out easily. There is no direct radiation from heater.

5. Wiring Diagrams

MQC104024CHF216A MQC104036CHF216A



MQC104048CHF216A MQC104060CHF216A


CONNECTION NAMEPLATE
802034190055 V.1
FAN2
FAN1
Linker(BK)
Linker(BK)
Linker(WH)
Transformer
POWER
220V~
L
N
Y
C
V1
E1
BK
BL
RD
WH
BR
WH
Outdoor Unit
XT
N
CN3
CNT
L
CN3
NO
C
CN4T-2
CN4T
MFI
MFI-2
Out_Fan 4-Way O.P
CN8
SW1
SW2
Room sensor
CN20
Indoor Pipe sensor
CN21
CNE
CN120
5
10
REMOTE CONTROLLER
Controller
WIRE COLOR CODE
RD RED
BK BLACK
BL BLUE
PR PURPLE
OR ORANGE
BR BROWN
GN GREEN
WH WHITE
YE YELLOW
GY GREY
DIP Switch Description
SW1 Description
1# 2# 3# 4# Unit Category
OFF OFF OFF OFF Cuct Unit
SW2 Description
1# ON: Cooling &Heating type OFF: Cooling only type
2# ON: With Non-volatile Memory OFF: Without Non-volatile Memory
3# ON: Room temp. sensor T1 for Wire controller OFF: Room temp. sensor T1 for Electric control panel
NOTES
1. The units should use unattached power switch, stated-cross-section wires and matching-spec.breaker.
2. Use the fuse within the specified scope, it can not replaced by iron wires or brass wires.
3. The units should install stated-cross-section earth wire and keep it grounding unfailingly.
4.Factory defaults connecting with the white linker,If you want to get lower-speed wind, please connect to the black linker.
WIRE INFORMATION
FACTORY CONNECTION
PROJECT CONNECTION
PRACTICALITY EXTERIOR
DASHED CIRCLE
DATE
DWG.NO.
N.O.
2012-08-11
SA3-LF140F2-X(3N3)+5.PM-4A
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