
2. Product Specifications

2-1 The Feature of Product

1. New design, more modern and elegant appearance.



2. Convenient installation

--The ceiling type can be easily installed into a corner of the ceiling even if the ceiling is very narrow
--It is especially useful when installation of an air conditioner in the center of the ceiling structure such as one lighting.

3. Two direction auto swing (vertical & horizontal) and wide angle air flow,

--Air flow directional control minimizes the air resistance and produces wider air flow to vertical direction.
--The range of horizontal air discharge is widened which secures wider air flow distribution to provide more comfortable air circulation no matter where the unit is set up



4. Three level fan speed, more humanism design, meets different air-supply requirement.

5. Water proof by utilizing the absorbing plastic film on water collector

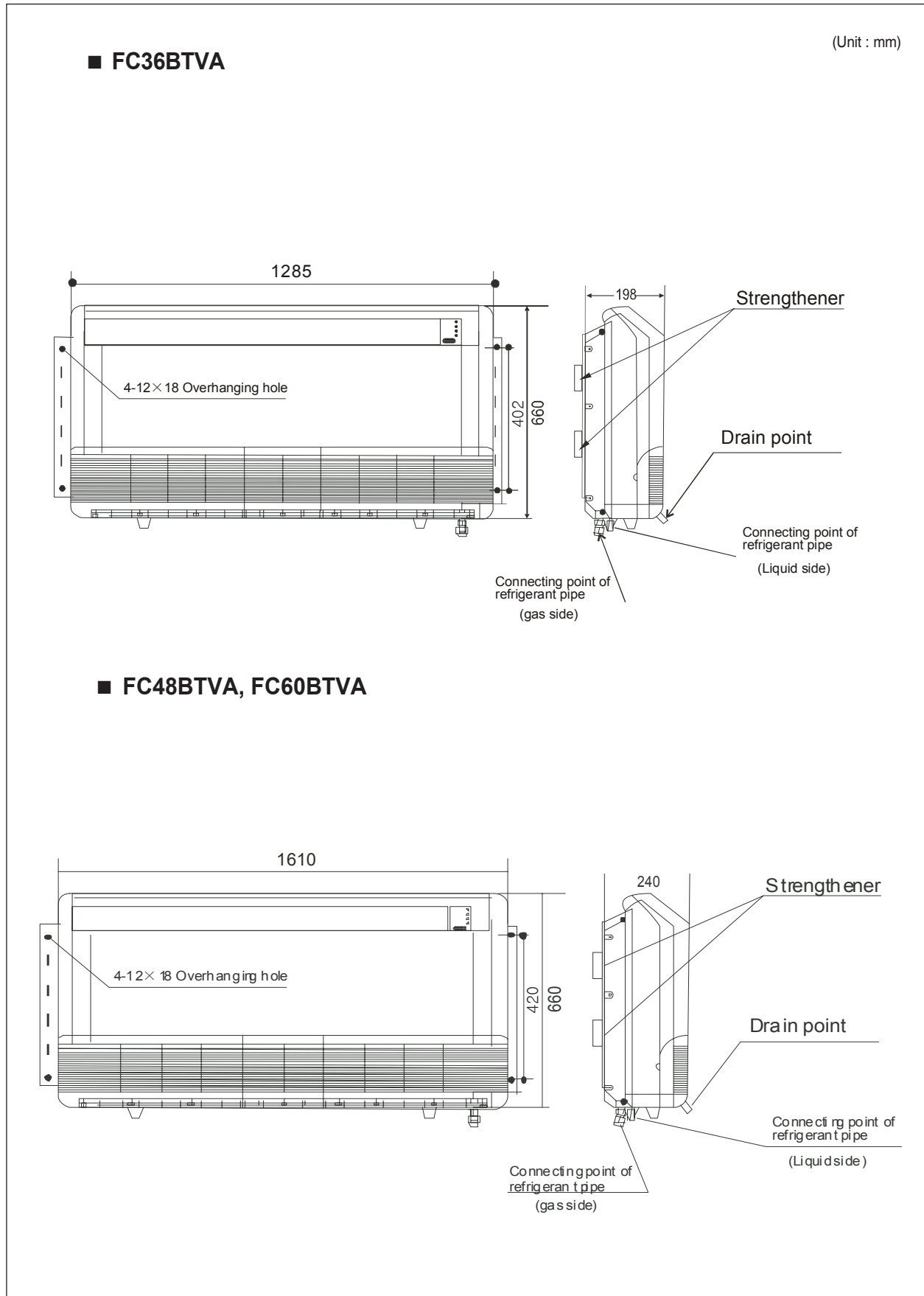
6. Easy operation. Auto-restart function, remote control and optional wire control method.

7. Low noise level plus compact size

--Shape of the blades has been improved to prevent noise caused by turbulence.

2-2 Name of Each Part

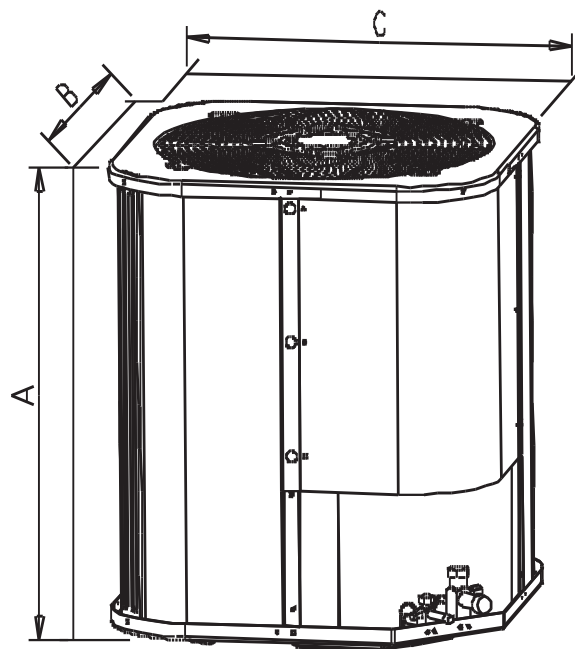
2-2-1 IndoorUnit



2-2-2 Outdoor units

(Unit : mm)

Unit Model	Dimensions (mm)			Refrigerant Connection Line Size(mm)	
	A	B	C	Liquid(Ø)	Vapor(Ø)
FC36BTV	840	554	554	12.7	19
FC48BTV	852	740	740	12.7	19
FC60BTV	852	740	740	12.7	19



2-3 Product Specifications

Model			FC36BTVX	FC48BTVX	FC60BTVX	
Power supply		V-Ph-Hz	208~230- 60-1	208~230- 60-1	208~230- 60-1	
Cooling	Capacity	Btu/h	32000	48000	52000	
	Input	W	3900	4680	5500	
	Rated current	A	18.9	22.3	25.6	
	EER	Btu/w.h	6.2	8.1	7.4	
Heating	Capacity	Btu/h	\	\	\	
	Input	W	\	\	\	
	Rated current	A	\	\	\	
	COP	Btu/w.h	\	\	\	
Max. input consumption		W	5180	5700	6950	
Max. current		A	28	32	39	
Starting current		A	130	141	149	
Compressor	Model		C-SB261H6A	C-SB301H6B	C-SB351H6A	
	Type		scroll	scroll	scroll	
	Brand		SANYO	SANYO	SANYO	
	Supplier		SANYO	SANYO	SANYO	
	Capacity	Btu/h	40600	49000	57000	
	Input	W	3850	4550	5390	
	Rated current(RLA)	A	16.7	21.7	24.4	
	Locked rotor Amp (LRA)	A	130	141	149	
	Thermal protector		130	130	130	
	Capacitor	uF	50	50	70	
	Refrigerant oil	ml	1700	1700	1700	
	Outdoor fan motor	Model		YDK80-6M-1	YDK165-6M	YDK165-6M
Input		W	172	336	336	
Capacitor		uF	6	12	12	
Speed		r/min	920	880	880	
Outdoor coil	Number of rows		1	1	1	
	Tube pitch(a)	mm	25.4	25.4	25.4	
		inch	1	1	1	
	Fins per inch		14	14	14	
	Fin type (code)		unhydrophilic aluminum	unhydrophilic aluminum	unhydrophilic aluminum	
	Tube outside dia.and type	mm/inch		9.52/ 3/8	9.52/ 3/8	9.52/ 3/8
				inner groove tube	inner groove tube	inner groove tube
	Coil length x height x width	mm	531X531X813	713X713X813	713X713X813	
inch		20-7/8 X20-7/8 X32	20-7/8 X20-7/8 X32	20-7/8 X20-7/8 X32		
Number of circuits		6	6	6		
Outdoor air flow		m ³ /h	3300	4900	4900	
		CFM	1940	2881	2881	
Outdoor noise level		dB(A)	62	65	66	
Dimension	Body(W*H*D)	mm	554X554X840	740X852X740	740X852X740	
		inch	21-7/8 X21-7/8 X33-1/8	29-1/8 X33-1/2 X29-1/8	29-1/8 X33-1/2 X29-1/8	
	Packing (W*H*D)	mm	582X582X873	770x770x890	770x770x890	
		inch	22-7/8 X22-7/8 X34-3/8	30-3/8 X30-3/8 X35	30-3/8 X30-3/8 X35	
Net/Gross weight		lbs	165/171.6	202.4/213.4	193.6/204.6	
		Kg	75/78	92/97	88/93	
Refrigerant type		g	R22/1850	R22/3000	R22/3300	
Design pressure		MPa	2.8	2.8	2.8	
Refrigerant piping	Liquid side/ Gas side	mm	φ12.7/φ19	φ12.7/φ19	φ12.7/φ19	
		inch	1/2 / 3/4	1/2 / 3/4	1/2 / 3/4	
Ambient temp		°C	-7~45	-7~45	-7~45	
Application area		m ²	42~70	56~93	64~100	
stuffing Qty (20'/40'/40HQ)		pieces	80/160/238	42/90/133	42/90/133	






Model (Indoor)			FC36BTVA	FC48BTVA	FC60BTVA
Power supply		V-Ph-Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz
Indoor fan motor	Model		YSK80-4A	YSK59-4D	YSK59-4D
	Drive	Type	Direct	Direct	Direct
	Qty		1	2	2
	Input	W	172	248	248
	Output	W	82	117	117
	RLA	A	0.76	0.55	0.55
	LRA	A	1	0.7	0.7
	FLA	A	0.84	0.61	0.61
	Capacitor	uF	3.5	2.5	2.5
	Speed(hi/mi/lo)	r/min	1310/1090/940	1225/1065/975	1225/1065/975
Fan	Type		Centrifugal	Centrifugal	Centrifugal
	Number		3	3	3
	Diameter×length		Inch/mm	5-3/4×7-1/2 (145×190)	6-3/8×6-1/4 (161×160)
Indoor coil	Fins per inch.		17	16	16
	a.Number of rows		3	3	3
	b.Tube pitch(a)x row	mm	25.4 X 22	25.4 X 22	25.4 X 22
		Inch	1 X 7/8	1 X 7/8	1 X 7/8
	d.Fin type (code)		PQB	HQB	HQB
	e.Tube outside dia.and type	mm	9.52/ 3/8	9.52/ 3/8	9.52/ 3/8
		inch	inner groove tube	inner groove tube	inner groove tube
	f.Coil length x height x width		mm	1118X254X66	1384X254X66
		Inch	44 X10 X2-5/8	54-1/2 X10 X2-5/8	54-1/2 X10 X2-5/8
g.Number of circuits			5	5	5
Indoor air flow (Hi/Mi/Lo)		m3/h	1300/1100/930	2100/1800/1670	2100/1800/1670
		Cfm	764/647/547	1235/1058/982	1235/1058/982
Indoor noise level		dB(A)	42	44	46
Dimension	Body(W*H*D)	mm	1280X206X660	1670X244X680	1670X244X680
		Inch	50-3/8 X8-1/8 X26	65-3/4 X9-5/8 X26-3/4	65-3/4 X9-5/8 X26-3/4
	Packing (W*H*D)	mm	1379X744X296	1764X760X329	1764X760X329
		Inch	54-1/4X29-1/4X11-5/8	69-1/2X29-7/8X13	69-1/2X29-7/8X13
Throttle type			orifice	orifice	orifice
Refrigeran	Liquid side/ Gas side	mm	φ12.7/φ19	φ12.7/φ19	φ12.7/φ19
		inch	1/2 / 3/4	1/2 / 3/4	1/2 / 3/4
Net/Gross weight		Lbs	77/88	114.4/129.8	114.4/129.8
		Kg	35/40	52/59	52/59
Controller			remote controller	remote controller	remote controller
Stuffing Qty		pieces	97/202/226	97/202/226	67/137/165
(20'/40'/40HQ)					

Notes:

- Nominal cooling capacities are based on the following conditions:
Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. Piping: 5m(horizontal)
- Nominal heating capacities are based on the following conditions:
Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. Piping: 5m(horizontal)
- Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

2-4 Accessory and Option Specifications

2-4-1 Accessories

Item	Description	Code-No.	Q'TY	Remark
	Wireless remote controller		1	Indoor Unit
	Owner's manual		1	
	Installation manual		1	
	Hook		2	
	Hanging arm		2	