



PCXSY14

Air-Cooled
PRODUCT SYSTEM

- Ceiling Cassette
- Ceiling Exposed
- Ceiling Concealed

Light Commercial Product Catalogue

R410A Inverter





More Comfort With Less Energy

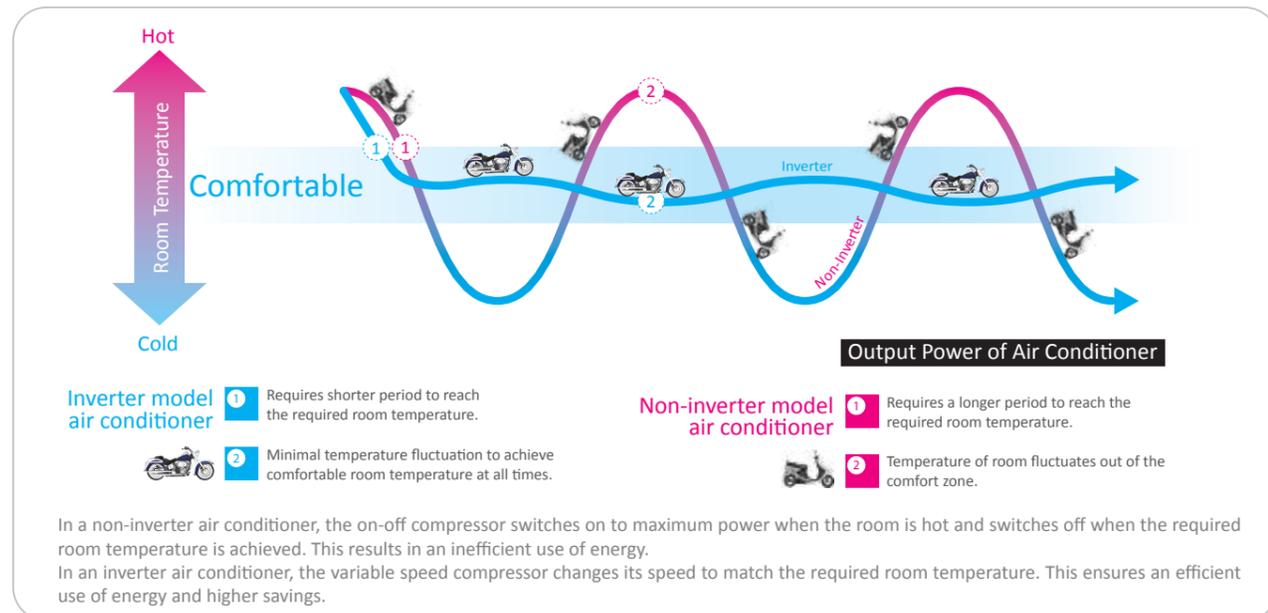
An inverter air conditioner utilizes intelligent controls that regulates the speed of compressor motor to provide the required cooling/heating with low power consumption. Comfort is achieved with precise control of cooling/heating requirements, preventing temperature swings.

“ Experience INVERTERS Innovations At Its Best ”

Advantages Of The Inverter Technology

- Superior Comfort
- Powerful Operation
- Higher Efficiency
- Better Energy Savings

While fixed speed (non-inverter) systems operate by compressor start-stop cycles, this consumes much more energy and room temperature variance is higher.



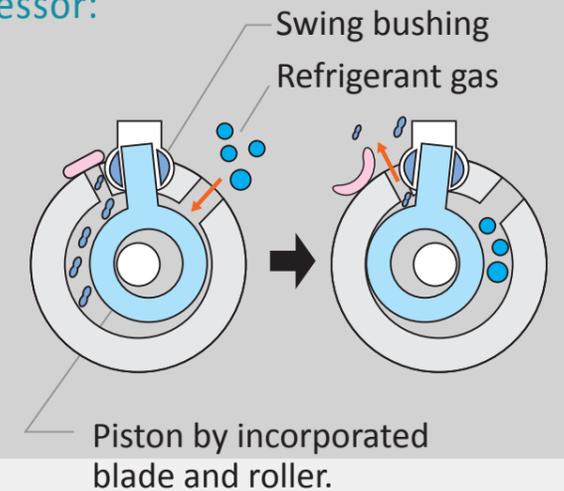
What Is Inverter Technology?

Inverter air-conditioning technology is today's solution for superior comfort, higher efficiency and better energy-savings. Daikin's inverter technology lowered energy consumption up to 50% and its powerful action allows you to reach the desired temperature quickly and maintains precise temperature to ensure consistent level of comfort.

Daikin DC Swing Compressor:

Cutting-edge technology for precise control with silent operation.

Energy savings are realized, eliminating the friction and the leakage of refrigerant gas.

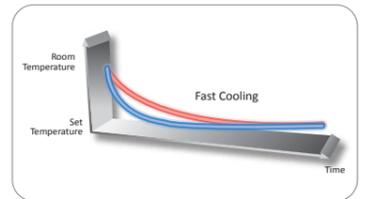


Flexible Performance

Rapid response time

After quickly reaching Set Temperature, the inverter system constantly adjusts and fine-tunes the cooling capacity to prevent undesired temperature swings.

Room comfort level is constantly maintained even when the number of people in the room increases or decreases.

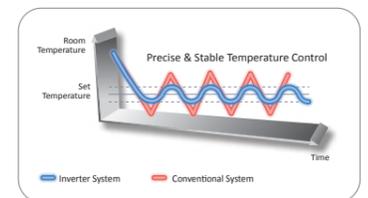


Flexible Installation

The extended piping length promote flexible installation.

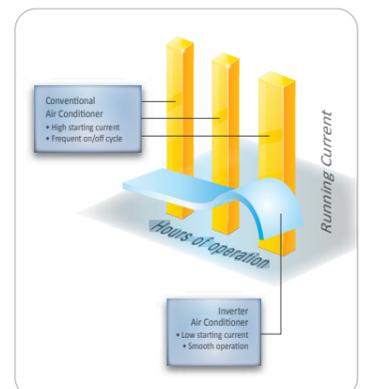
Model	Pre-Charge Length (m)	Maximum Length (m)	Maximum Height (m)
RX25DGXV1	7.5	15	10
RX35DGXV1	7.5	15	10
RX50CGXV1	7.5	30	10
RX60CGXV1	7.5	30	10
RZQ71CGXV1	7.5	50	30
RZQ100FGXV1	7.5	75	30
RZQ100FGXY1	7.5	75	30
RZQ125FGXV1	7.5	75	30
RZQ125FGXY1	7.5	75	30
RZQ140FGXV1	7.5	75	30
RZQ140FGXY1	7.5	75	30

Note:
 Additional refrigerant is required if the piping is longer than the pre-charge length.
 For details, kindly refer to the installation manual.



Low Starting Current

Taking advantage of the ability to modulate the compressor speed, inverters are designed to operate with "soft start" feature. The compressor motor does not require to high current during start up.





Light Commercial Series

Ceiling Cassette E Series



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Ceiling Cassette C Series



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Ceiling Convertible E Series



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Ceiling Exposed C Series



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Ceiling Concealed C Series



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Ceiling Cassette E Series



FCQ50/60/71/100/125EXV1

Optimum Air Discharge

Combining 4 ways air discharge and large discharge area on each side, Ceiling Cassette promote even air distribution. The additional feature of automatic air swing helps to distribute the conditioned air more evenly to every corner of the room.



Superior Sound Level

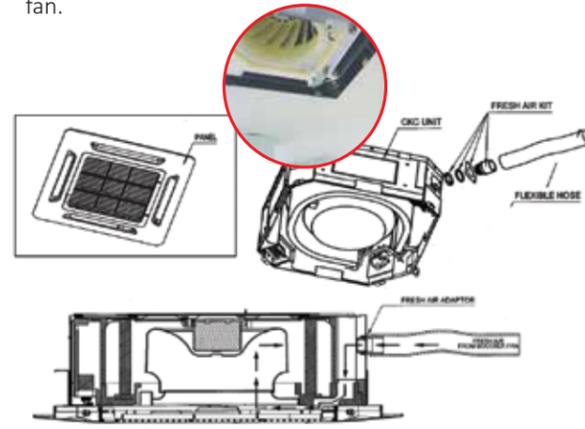
The FCQ-EXV1 series is equipped with a newly-developed turbo fan; the shape produce low air turbulence. With up to 4 selected fan speeds, users are given more choices. By selecting the Quiet mode, the sound pressure level can be as low as 28dBA.

Indoor Model	Max (dBA)	Min (dBA)
FCQ50EXV1	34	27
FCQ60EXV1	37	30
FCQ71EXV1	41	32
FCQ100EXV1	44	35
FCQ125EXV1	47	39



Fresh Air Option

- Knock out hole is available at the unit.
- Installation & accessories need to be field supplied & installed.
- Keep the introduction of fresh air intake within 20% of total air flow. Also provide a chamber and use a booster fan.



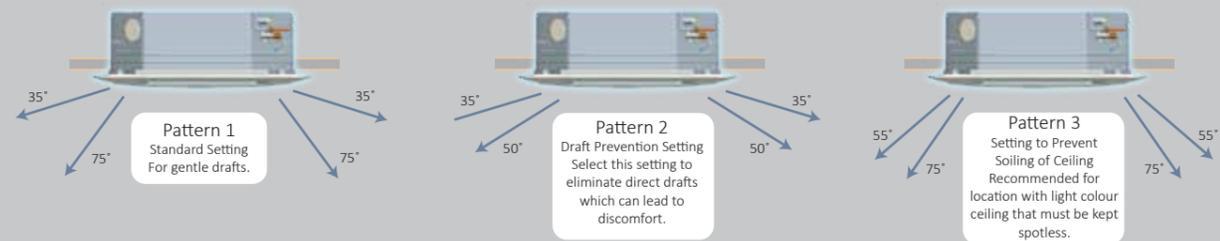
Modern & Elegant Panel

It is designed with unique "round" side contour and new LED light location. Rotatable intake grill promotes uniform installation.



Multi-Comfort – 3 Air Swing Pattern Control

To increase the comfort level of the air conditioned area of FCQ-EXV1 series, the system is built in with 3 different types of air flow pattern to suit different requirement.



The default setting for air swing pattern is pattern 1. The air swing pattern can be selected through the wireless remote control.

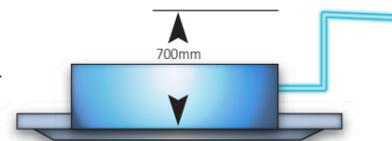
Low Height Model

The FCQ-EXV1 series height is as low as 300mm to ease installation.

Model	Dimension (mm)	
	A	B
FCQ50/60/71EXV1	265	300
FCQ100/125EXV1	300	335

Built-In High Head Drain Pump

The unit comes with a built-in high head drain pump of 700mm pressure head. A safety float is incorporated in the drain pump to monitor its water level.



Ceiling Cassette E Series



* Optional ** For RZQ71CGXV1, RZQ100/125FGXV1, RZQ100/125FGXY1



FCQ50/60/71/100/125EXV1



RX50/60CGXV1



RZQ71CGXV1



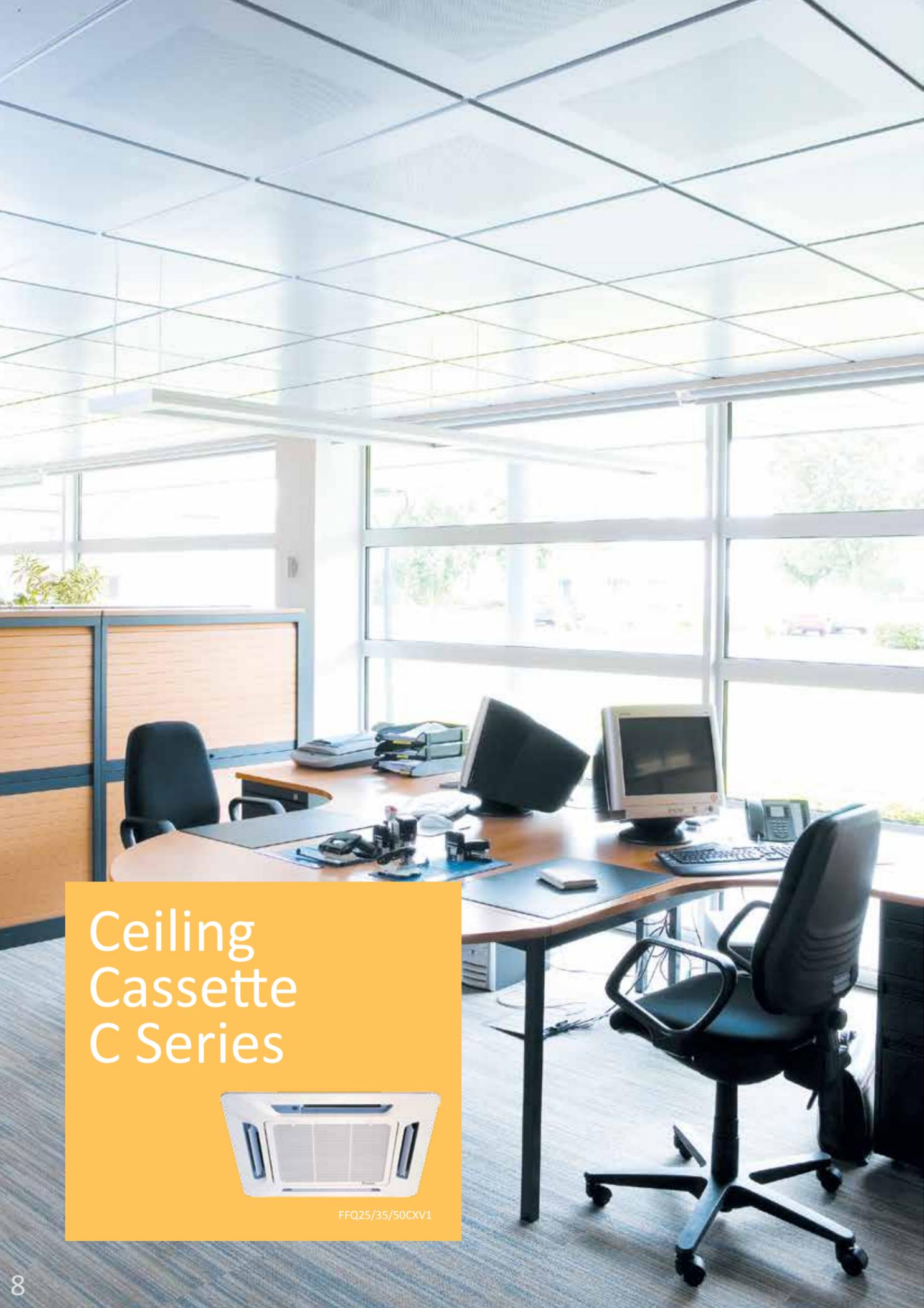
RZQ100/125FGXV1
RZQ100/125FGXY1

- › Optimum Air Discharge
- › Modern & Elegant Panel
- › Superior Sound Level
- › Multi-Comfort – 3 Air Swing Pattern Control
- › Low Height Model
- › Built-In High Head Drain Pump
- › Mount With BYCQ50EXW Decorative Panel
- › Wireless Handset BRC52A61 Is Supplied As Standard

Specification for Ceiling Cassette- E Series, 3ft x 3ft Panel, Cooling and Heating

Indoor Model Name		FCQ50EXV1	FCQ60EXV1	FCQ71EXV1	FCQ100EXV1	
Outdoor Model Name		RX50CGXV1	RX60CGXV1	RZQ71CGXV1	RZQ100FGXV1	
Nominal Cooling Capacity	Btu/h	18400	21500	24200	35900	
	W	5410	6320	7100	10520	
Nominal Heating Capacity	Btu/h	18800	22200	28300	40600	
	W	5530	6510	8300	11900	
Nominal EER	W/W	3.41	3.25	3.21	3.84	
Nominal COP	W/W	3.70	3.99	3.85	3.93	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
	Air Flow	CFM	600/530/430/400	680/600/530/430	860/725/620/530	1030/860/740/620
	Sound Pressure Level	dBA	34/31/28/27	37/34/31/30	41/38/35/32	44/41/38/35
	Height [with Panel]	mm	265 [340]	265 [340]	300 [375]	300 [375]
	Width [with Panel]	mm	820 [990]	820 [990]	820 [990]	820 [990]
	Depth [with Panel]	mm	820 [990]	820 [990]	820 [990]	820 [990]
	Net Weight [with Panel]	kg	26 [30]	26 [30]	28 [32]	32 [36]
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
	Sound Pressure Level	dBA	51	51	50	50
	Height	mm	753	753	753	1374
	Width	mm	855	855	940	900
	Depth	mm	328	328	392	320
	Net Weight	kg	49	49	51	100
	Pipe Connection- Liquid	mm	6.35	6.35	9.52	9.52
Pipe Connection- Gas	mm	12.70	15.88	15.88	15.88	
Max. Allowable Pipe Length	m	30	30	50	75	
Max. Allowable Pipe Elevation	m	10	10	30	30	

Indoor Model Name		FCQ125EXV1	FCQ100EXV1	FCQ125EXV1	
Outdoor Model Name		RZQ125FGXV1	RZQ100FGXY1	RZQ125FGXY1	
Nominal Cooling Capacity	Btu/h	44400	35800	42600	
	W	13010	10500	12500	
Nominal Heating Capacity	Btu/h	48100	38200	47700	
	W	14100	11200	14000	
Nominal EER	W/W	3.34	3.42	3.22	
Nominal COP	W/W	3.88	3.61	3.63	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	1200/1030/930/780	1030/860/740/620	1200/1030/930/780
	Sound Pressure Level	dBA	47/44/43/39	44/41/38/35	47/44/43/39
	Height [with Panel]	mm	300 [375]	300 [375]	300 [375]
	Width [with Panel]	mm	820 [990]	820 [990]	820 [990]
	Depth [with Panel]	mm	820 [990]	820 [990]	820 [990]
	Net Weight [with Panel]	kg	32 [36]	32 [36]	32 [36]
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50
	Sound Pressure Level	dBA	51	50	51
	Height	mm	1374	1374	1374
	Width	mm	900	900	900
	Depth	mm	320	320	320
	Net Weight	kg	100	100	100
	Pipe Connection- Liquid	mm	9.52	9.52	9.52
Pipe Connection- Gas	mm	15.88	15.88	15.88	
Max. Allowable Pipe Length	m	75	75	75	
Max. Allowable Pipe Elevation	m	30	30	30	



**Ceiling
Cassette
C Series**



FFQ25/35/50CXV1

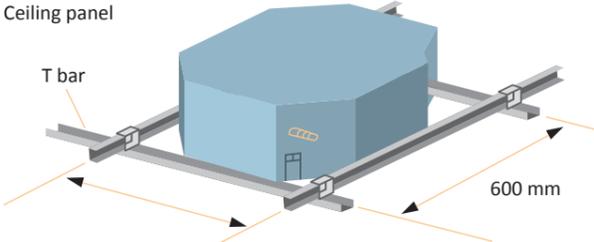
4 Way Air Discharge And Air Swing

It comes with 4 way air discharge and air swing function to ensure better air distribution and circulation in the room.



Compact Design

The Ceiling Cassette C series is designed to be compact. Its body dimension is only 570mm x 570mm which can easily fit into a 600mm ceiling grids. This make installation a lot easier.



Stylish And Slim Panel

The slim panel can be blended easily into interior decoration and design.

Auto Mode

Auto Mode allows the setting to change automatically between cool and heat mode depending on the room temperature and the set temperature required.

Hot Keep Cycle

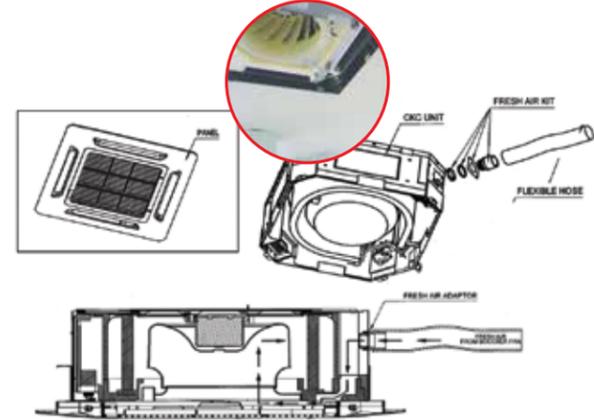
During heat mode hot keep cycle, the fan will run at low speed during the thermostat cycle off. As a result, one will not feel the draft of cold air discharge from the unit. Option of fan stop or fan run at specific interval timing can also be selected.

Self Diagnosis

This intelligent feature helps to detect faults or malfunctioning in the system and give user a warning by blinking of the LED lights.

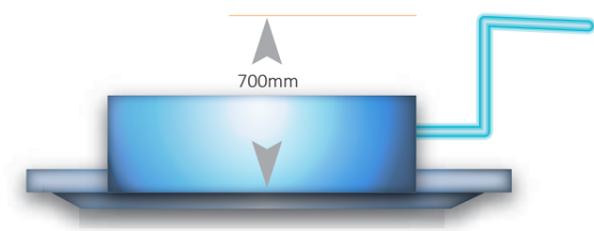
Fresh Air Option

- Knock out hole is available at the unit.
- Installation & accessories need to be field supplied & installed.
- Keep the introduction of fresh air intake within 20% of total air flow. Also provide a chamber and use a booster fan.



Built-In High Head Drain Pump

The unit comes with a built-in high head drain pump of 700mm pressure head. A safety float is incorporated in the drain pump to monitor its water level.



Ceiling Cassette C Series



* Optional



FFQ25/35/50CXV1



RX25/35DGXV1



RX50CGXV1

- › 4 Way Air Discharge And Air Swing
- › Compact Design
- › Built-In High Head Drain Pump
- › Mount With BYCQ20CXW Decorative Panel
- › Stylish And Slim Panel
- › Auto Mode
- › Hot Keep Cycle
- › Self Diagnosis
- › Wireless Handset BRC52A61 Is Supplied As Standard

Specification for Ceiling Cassette- C Series, 2ft x 2ft Panel, Cooling And Heating

Indoor Model Name		FFQ25CXV1	FFQ35CXV1	FFQ50CXV1	
Outdoor Model Name		RX25DGXV1	RX35DGXV1	RX50CGXV1	
Nominal Cooling Capacity	Btu/h	9700	12400	18100	
	W	2870	3630	5310	
Nominal Heating Capacity	Btu/h	10800	13200	19000	
	W	3190	3880	5580	
Nominal EER	W/W	3.68	3.61	3.21	
Nominal COP	W/W	4.03	3.79	3.28	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	400/390/370	410/390/360	450/430/410
	Sound Pressure Level	dB(A)	44/41/38	45/42/38	47/46/44
	Height [with Panel]	mm	250 [295]	250 [295]	250 [295]
	Width [with Panel]	mm	570 [640]	570 [640]	570 [640]
	Depth [with Panel]	mm	570 [640]	570 [640]	570 [640]
	Net Weight [with Panel]	kg	16 [18]	16 [18]	16 [18]
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Sound Pressure Level	dB(A)	47	49	51
	Height	mm	550	550	753
	Width	mm	765	765	855
	Depth	mm	285	285	328
	Net Weight	kg	31	33	49
	Pipe Connection- Liquid	mm	6.35	6.35	6.35
Pipe Connection- Gas	mm	9.52	12.70	12.70	
Max. Allowable Pipe Length	m	15	15	30	
Max. Allowable Pipe Elevation	m	10	10	10	



Ceiling Convertible E Series

FLO35/50/60/71/100/125EXV1

Ceiling and Floor Installation Option

The unit is designed with the option to install either below the ceiling or mounted at low wall position to suit any interior design requirement.



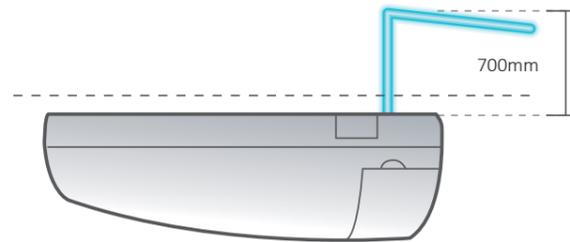
*Wall bracket is supplied as accessories.

Automatic Air Swing

The motorized louver enables the air flow to be evenly distributed.

Flexible Installation

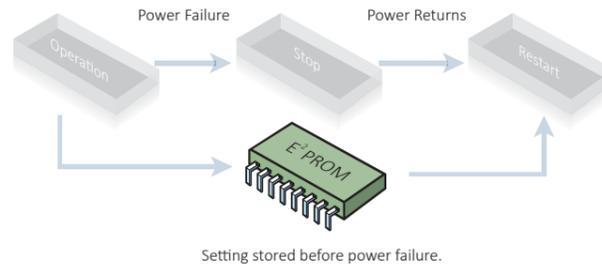
The unit is designed to work with high pressure head drain pump (optional). Thus offering flexibility for installation of condensate drain pipe. The high pressure head drain pump is incorporated with a float switch as safety protection.



*Drain pump kit supplied as optional item.

Auto Random Restart with Last-State-Memory

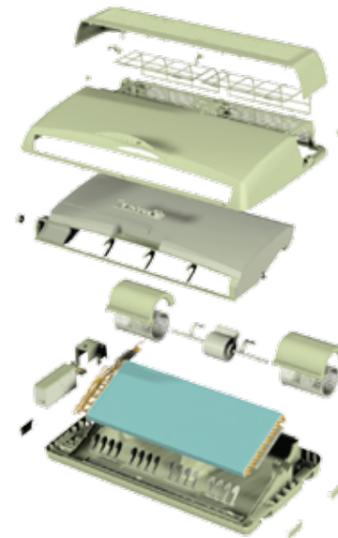
In the event of a sudden power failure during operation, unit restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This ensures that air conditioners in the same building resume randomly instead of all units resuming at the same time, preventing power surge after a blackout.



Better Serviceability

The washable filter can be easily accessed by just pulling down the intake grill. During servicing or repairing, only the bottom panel is needed to be removed in order to access the parts as below.

- Fan Motor
- Blower
- Wiring Connection
- Control Box
- Piping Connection



Ceiling Convertible E & C Series



*Optional ** For RZQ71CGXV1, RZQ100/125/140FGXV1, RZQ100/125/140FGXY1



FLQ35/50/60/71EXV1



FLQ100/125EXV1



FHQ140CXV1

- > Ceiling And Floor Installation Option
- > Automatic Air Swing
- > Flexible Installation
- > Auto Random Restart With Last-State-Memory
- > Better Serviceability
- > Wireless Handset BRC52A61 Is Supplied As Standard



RX35DGXV1

RX50/60CGXV1

RZQ71CGXV1

RZQ100/125/140FGXV1
RZQ100/125/140FGXY1

Specification for Ceiling Convertible & Ceiling Exposed - Cooling And Heating

Indoor Model Name		FLQ35EXV1	FLQ50EXV1	FLQ60EXV1	FLQ71EXV1	FLQ100EXV1	
Outdoor Model Name		RX35DGXV1	RX50CGXV1	RX60CGXV1	RZQ71CGXV1	RZQ100FGXV1	
Nominal Cooling Capacity	Btu/h	12200	18300	20600	23200	34100	
	W	3590	5370	6040	6800	10000	
Nominal Heating Capacity	Btu/h	13100	19000	21000	26300	38900	
	W	3860	5580	6180	7708	11400	
Nominal EER	W/W	3.87	3.19	3.01	2.81	3.05	
Nominal COP	W/W	3.97	3.45	3.30	3.01	3.90	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
	Air Flow	CFM	508/386/350	520/460/406	580/530/490	640/560/460	1100/983/877
	Sound Pressure Level	dB(A)	46/38/35	50/43/41	53/51/49	56/51/44	52/47/46
	Height	mm	218	218	218	218	260
	Width	mm	1080	1080	1080	1080	1538
	Depth	mm	630	630	630	630	634
	Net Weight	kg	25	27	27	27	45
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
	Sound Pressure Level	dB(A)	49	51	51	50	50
	Height	mm	550	753	753	753	1374
	Width	mm	765	855	855	940	900
	Depth	mm	285	328	328	392	320
	Net Weight	kg	33	49	49	51	100
	Pipe Connection- Liquid	mm	6.35	6.35	6.35	9.52	9.52
	Pipe Connection- Gas	mm	12.70	12.70	15.88	15.88	15.88
	Max. Allowable Pipe Length	m	15	30	30	50	75
	Max. Allowable Pipe Elevation	m	10	10	10	30	30

Indoor Model Name		FLQ125EXV1	FHQ140CXV1	FLQ100EXV1	FLQ125EXV1	FHQ140CXV1	
Outdoor Model Name		RZQ125FGXV1	RZQ140FGXV1	RZQ100FGXY1	RZQ125FGXY1	RZQ140FGXY1	
Nominal Cooling Capacity	Btu/h	43000	47800	34100	42600	44300	
	W	12600	14010	10000	12500	13000	
Nominal Heating Capacity	Btu/h	52900	54300	38200	47700	52800	
	W	15500	15910	11200	14000	15500	
Nominal EER	W/W	3.50	2.87	3.23	3.01	2.66	
Nominal COP	W/W	3.55	3.51	3.61	3.61	3.61	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
	Air Flow	CFM	1215/1082/959	1550/1320/1000	1100/983/877	1215/1082/959	1550/1320/1000
	Sound Pressure Level	dB(A)	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46
	Height	mm	260	285	260	260	285
	Width	mm	1786	1903	1538	1786	1903
	Depth	mm	634	680	634	634	680
	Net Weight	kg	65	70	45	65	70
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	
	Sound Pressure Level	dB(A)	51	51	50	51	51
	Height	mm	1374	1374	1374	1374	1374
	Width	mm	900	900	900	900	900
	Depth	mm	320	320	320	320	320
	Net Weight	kg	100	100	100	100	100
	Pipe Connection- Liquid	mm	9.52	9.52	9.52	9.52	9.52
	Pipe Connection- Gas	mm	15.88	15.88	15.88	15.88	15.88
	Max. Allowable Pipe Length	m	75	75	75	75	75
	Max. Allowable Pipe Elevation	m	30	30	30	30	30



Ceiling Concealed C Series



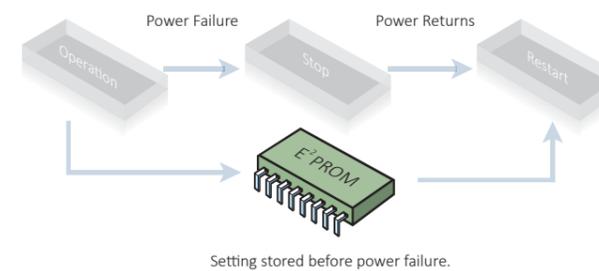
FDMQ25C2XV1
FDMQ35/50/60/71/100/125/140CXV1

Excellent Air Distribution

The conditioned air can be distributed evenly to every corner of the room through ducting. This helps to create a pleasant environment and maintain comfort. Furthermore, multiple area can be conditioned simultaneously by using just one indoor unit.

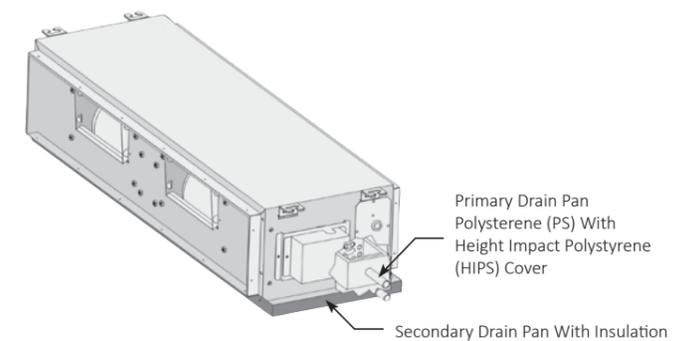
Auto Random Restart with Last-State-Memory

In the event of a sudden power failure during operation, unit restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This ensures that air conditioners in the same building resume randomly instead of all units resuming at the same time, preventing power surge after a blackout.



Double Protection Drainage System

The primary drain pan is designed with high thermal insulation material and moulded in gradient for better condensate water drainage. The extra secondary drain pan "built in" to the standard unit offers extra protection against possible water leaking problems.



Flexibility In System Design

The unit offers fan motor that can operate up to 4 speeds, thus provide choices of external static pressure for designing ducting system.

Self Diagnosis Features

The microprocessor provides the possibility to detect and to diagnose any faults that occurs in the system. Faults are displayed as error code in the wired controller. This will ease the troubleshooting process.

Ceiling Concealed C Series



* Optional ** For RZQ71CGXV1, RZQ100/125/140FGXV1, RZQ100/125/140FGXY1



FDMQ25C2XV1
FDMQ35/50/60/71/100/125/140CXV1

- › Excellent Air Distribution
- › Auto Random Restart with Last-State-Memory
- › Double Protection Drainage System
- › Flexibility In System Design
- › Self Diagnosis Features
- › Wired Handset BRC51A61 Is Supplied As Standard



RX35DGXV1



RX50/60CGXV1



RZQ71CGXV1

RZQ100/125/140FGXV1
RZQ100/125/140FGXY1

Ceiling Concealed C Series



* Optional ** For RZQ71CGXV1, RZQ100/125/140FGXV1, RZQ100/125/140FGXY1



FDMQ25C2XV1
FDMQ35/50/60/71/100/125/140CXV1

- › Excellent Air Distribution
- › Auto Random Restart with Last-State-Memory
- › Double Protection Drainage System
- › Flexibility In System Design
- › Self Diagnosis Features
- › Wired Handset BRC51A61 Is Supplied As Standard



RX35DGXV1



RX50/60CGXV1



RZQ71CGXV1

RZQ100/125/140FGXV1
RZQ100/125/140FGXY1

Specification for Ceiling Concealed, Standard Static – Cooling And Heating

Indoor Model Name		FDMQ25C2XV1	FDMQ35CXV1	FDMQ50CXV1	FDMQ60CXV1	
Outdoor Model Name		RX25DGXV1	RX35DGXV1	RX50CGXV1	RX60CGXV1	
Nominal Cooling Capacity	Btu/h	8700	12500	17700	20600	
	W	2570	3670	5200	6050	
Nominal Heating Capacity	Btu/h	9500	12600	19600	21800	
	W	2770	3700	5770	6400	
Nominal EER	W/W	3.22	3.36	3.28	3.20	
Nominal COP	W/W	3.43	3.46	3.44	3.65	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	250/235/210	410/370/250	570/540/450	690/640/520
	External Static Pressure	Pa	29/20/10	29/20/10	29/20/10	29/20/10
	Sound Pressure Level	dBA	35/32/26	37/34/29	38/36/34	40/39/36
	Height	mm	261	261	261	261
	Width	mm	905	905	1065	1200
	Depth	mm	411	411	411	411
	Net Weight	kg	18	22	24	26
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Sound Pressure Level	dBA	48	49	51	51
	Height	mm	550	550	753	753
	Width	mm	765	765	855	855
	Depth	mm	285	285	328	328
	Net Weight	kg	31	33	49	49
	Pipe Connection- Liquid	mm	6.35	6.35	6.35	6.35
	Pipe Connection- Gas	mm	9.52	12.70	12.70	15.88
Max. Allowable Pipe Length	m	15	15	30	30	
Max. Allowable Pipe Elevation	m	10	10	10	10	

Indoor Model Name		FDMQ71CXV1	FDMQ100CXV1	FDMQ125CXV1	FDMQ140CXV1	
Outdoor Model Name		RZQ71CGXV1	RZQ100FGXV1	RZQ125FGXV1	RZQ140FGXV1	
Nominal Cooling Capacity	Btu/h	24200	34800	45400	47800	
	W	7100	10200	13310	14010	
Nominal Heating Capacity	Btu/h	27600	38200	53600	56600	
	W	8100	11200	15710	16590	
Nominal EER	W/W	3.21	3.40	3.65	3.31	
Nominal COP	W/W	3.70	4.15	3.87	3.96	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	850/700/590/480	1280/1160/1050/920	1430/1320/1230/1130	1720/1550/1340/1170
	External Static Pressure	Pa	78/53/38/25	118/96/78/61	147/126/109/92	147/120/90/69
	Sound Pressure Level	dBA	44/41/38/34	55/51/48/45	53/52/50/47	55/53/50/47
	Height	mm	285	305	378	378
	Width	mm	1007	1302	1299	1499
	Depth	mm	600	638	541	541
	Net Weight	kg	40	49	50	56
Outdoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Sound Pressure Level	dBA	50	50	51	51
	Height	mm	753	1374	1374	1374
	Width	mm	940	900	900	900
	Depth	mm	392	320	320	320
	Net Weight	kg	51	100	100	100
	Pipe Connection- Liquid	mm	9.52	9.52	9.52	9.52
	Pipe Connection- Gas	mm	15.88	15.88	15.88	15.88
Max. Allowable Pipe Length	m	50	75	75	75	
Max. Allowable Pipe Elevation	m	30	30	30	30	

Specification for Ceiling Concealed, Standard Static – Cooling And Heating

Indoor Model Name		FDMQ100CXV1	FDMQ125CXV1	FDMQ140CXV1	
Outdoor Model Name		RZQ100FGXV1	RZQ125FGXV1	RZQ140FGXV1	
Nominal Cooling Capacity	Btu/h	34800	43300	47700	
	W	10200	12700	14000	
Nominal Heating Capacity	Btu/h	38200	47700	56200	
	W	11200	14000	16500	
Nominal EER	W/W	3.29	3.21	3.05	
Nominal COP	W/W	3.70	3.62	3.62	
Indoor	Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Air Flow	CFM	1280/1160/1050/920	1430/1320/1230/1130	1720/1550/1340/1170
	External Static Pressure	Pa	118/96/78/61	147/126/109/92	147/120/90/69
	Sound Pressure Level	dBA	55/51/48/45	53/52/50/47	55/53/50/47
	Height	mm	305	378	378
	Width	mm	1302	1299	1499
	Depth	mm	638	541	541
	Net Weight	kg	49	50	56
Outdoor	Power Supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Sound Pressure Level	dBA	50	51	51
	Height	mm	1374	1374	1374
	Width	mm	900	900	900
	Depth	mm	320	320	320
	Net Weight	kg	100	100	100
	Pipe Connection- Liquid	mm	9.52	9.52	9.52
	Pipe Connection- Gas	mm	15.88	15.88	15.88
Max. Allowable Pipe Length	m	75	75	75	
Max. Allowable Pipe Elevation	m	30	30	30	

Standard Features

COMFORT

-  Turbo Mode- Rapid cooling/heating with highest fan speed for immediate comfort
-  Quiet Mode- Effective cooling with lower noise level
-  Dry Mode- Keeping the room dehumidified, while maintaining room temperature
-  Auto Mode- Auto switching between cooling and heating mode depending on room and set temperature
-  Sleep Mode

FIN TYPE

-  Bare Aluminium Fin
-  Anti Corrosion Hydrophilic Gold Fin

The outdoor models in the catalog comes with bare / blue fin condenser. For gold fin outdoor models, specification remains the same with the below model name change : eg :
RYN25CXV1 to RYN25CGXV1 "G" comes after the series name of the outdoor.

AIR FLOW

-  Selectable Fan Speed- Different fan speed is available for comfort selection
-  Belt Driven Evaporator Motor
-  Variable Pitch Pulley Drive Package
-  Automatic Vertical Swing- Automatic movement of air discharge louver for uniform air distribution
-  Manual Horizontal Air Flow- Adjustable horizontal discharge grille for desired air flow direction
-  4 Way Air Discharge

CONTROLLER

-  With Wireless Remote Controller
-  With Wired Remote Controller

IAQ

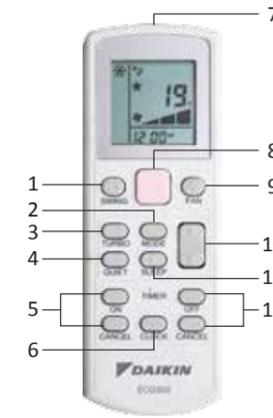
-  Washable Saranet Filter- Removal of airborne dust particles through saranet filter ensures cleaner air supply
-  Titanium Apatite Photocatalytic Air-Purifying Filter
-  Bio Antibody Filter
-  Ionizer

POWER SUPPLY

-  Power from Indoor
-  Power from Outdoor

Controller

BRC52A61 – Heatpump with auto mode



1. Vertical Automatic Air Swing
2. Selectable Mode: Auto Mode, Cooling, Heating, Dry, Fan
3. Turbo Function
4. Quiet Function
5. ON Timer Setting
6. Real Time Clock
7. Transmission Source
8. "Glow in the dark" ON/OFF Button
9. Fan Speed Selection: Low, Med, High, Auto
10. Temperature Setting: Up & Down
11. Sleep Mode Function
12. OFF Timer Setting

BRC51A61 – Heatpump with auto mode



Features:

- Cool/Heat/Fan/Dry/Auto mode
- Auto/High/Med/Low fan speed
- Temperature operate in °C and °F
- Turbo and Quiet Function
- Sleep function
- Swing function
- Real time clock and day display
- 7-days programmable timer
- Error indicator
- Key lock and fan lock features
- Batteries backup and retain setting during power failure
- Last state memory (Memory backup setting from main board)
- Delay Timer (1 or 2 hours)
- Interaction with Wireless Handset (BRC52A61)

Intelligent Control Series

Network Interface Module (NIM) is a networking system which enables communication among Daikin air conditioners. With the Network Interface Module (NIM), all your air conditioning systems can be controlled with just a single controller giving you benefits:

Network Control NIM

Benefits

- More convenience. No more individually controlling air conditioning units
- Quicker and easier zone control from the master control unit
- Better control of air conditioning systems operating conditions

NIM utilizes master-slave type system whereby the master node will issue commands to each of the slave nodes.

Every master unit will have a group address so that every slave can only respond to their respective master. Each slave unit must have a unique address so that it can be addressed independently of other nodes.

The master unit will be operating in conjunction with a control panel. Any settings done via the control panel connected to the master will overwrite the settings of its slave units.

Slave unit can be operated with or without control panel. If a slave unit is operating with a control panel, its settings can be changed without following its master.

Basic Features

- DIP switch setting for Group & Unit address.
- Master or slave system configuration.
- Automatic detection of control panel existence.
- Error type and unit ID indication through display control panel.
- Maximum point to point communication bus up to 1000m.
- A single master unit can control up to 15 slave units in each group.
- Each slave unit will sense their individual local temperature.
- Unit address range from 0 to 15 (0000-1111).



Supported Configuration

	Master	Slave
BRC51A	●	●
BRC52A	—	●

Communication Bus

A 2-way twisted pair cable is used as the communication bus. Recommended cable for communication bus is a pair of screened & shielded, twisted single core wire with core diameter of 0.5mm to 1.0mm.

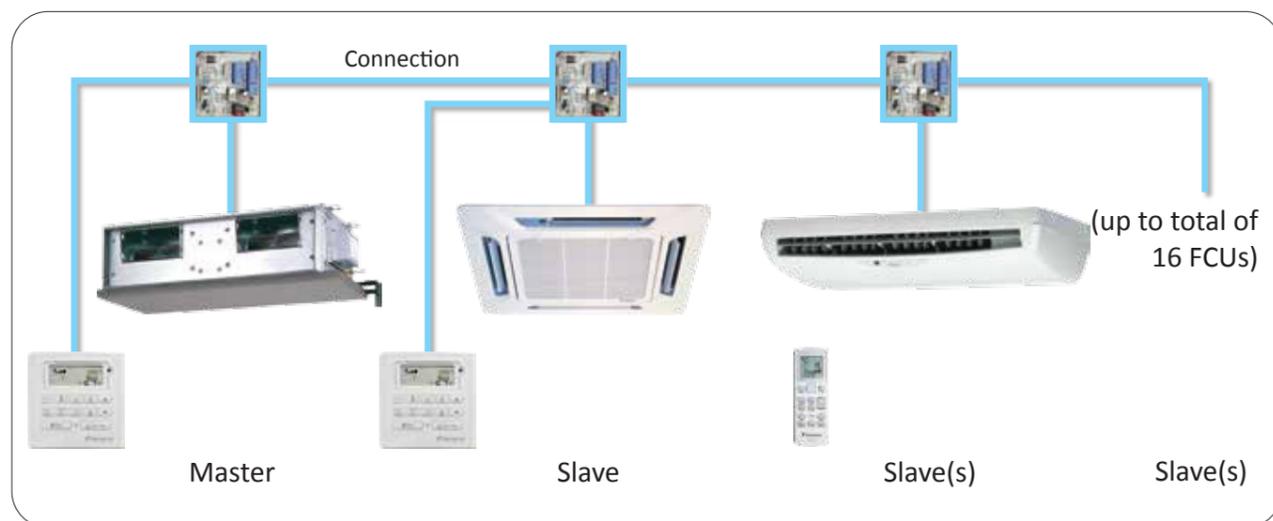
Connection	Recommended Maximum Cable Length (m)
First NIM to the furthest connected NIM	1000
NIM to Main Board	10
NIM to Wired Controller	10

Connection

The communication bus must be connected serially to the adjacent NIM. (Daisy chain connection). The same polarity has to be connected between the NIMs (A to A, B to B).

The NIM System Consists Of

- Main Board controller
- Display control panel
- NIM controller
- Communications bus



Main Board Controllers And Display Control Panel

NIM must be used in conjunction with:

- DX fan coil units (except wall mounted models. The development is in progress and kindly contact with local distributor for status update.)
- BRC51A or BRC52A