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This document contains the most current product information as of this printing.
@2014-07

DAIKIN

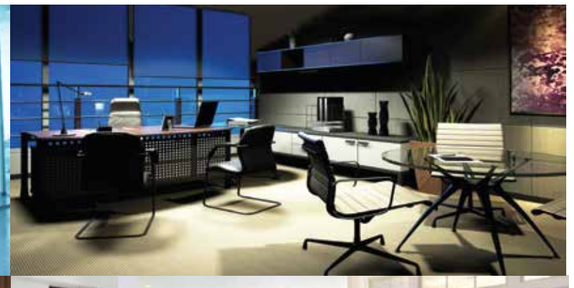
PCXFS14

Chilled Water
PRODUCT SYSTEM

- Wall Mounted
- Ceiling Cassette
- Ceiling Exposed
- Ducted

Fan Coil Unit Product Catalogue

60Hz

Contents

Remark: All unit photos in this catalog are solely for illustration purpose, actual outlook may differ slightly.
All specifications are subjected to change by the manufacturer without prior notice.

Products Overview

Wall Mounted Type

FWW-L

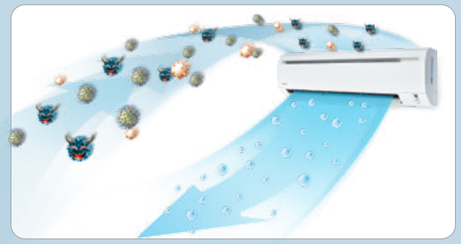
Wireless Remote Controller
BRC52A

Wired Remote Controller
BRC51A (Option)

› Comfortable Air Flow & Lower Sound Level
› Stylish Flat-Panel
› Indoor Quiet Mode
› Turbo Mode
› Uniform Air Distribution
› Easy Maintenance
› NIM-Able
› Sleep Function For Cool And Heat Mode
› Auto Restart With Last-State-Memory
› Valve & Valveless Control Options
› Self Diagnosis Features
› Compact & Easy To Use Wireless Remote Controller

Comfortble Air Flow & Lower Sound Level

User given more choice on preferable fan speed, quiet mode or automatic setting. With the introduction of SCR indoor fan motor, a step-less change of fan speed results in smooth air flow and unnoticeable sound level change during fan speed change.



Stylish Flat-Panel

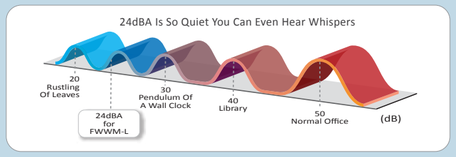
Ideal blend of style and function.

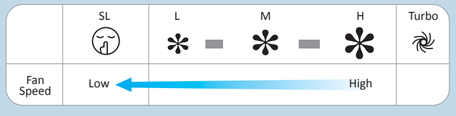
- The front panel is designed for contemporary style without compromising on function.
- Air intake area is designed to ensure smooth air flow profile for better sound quality and optimized volume.

Indoor Quiet Mode

More quiet room environment.

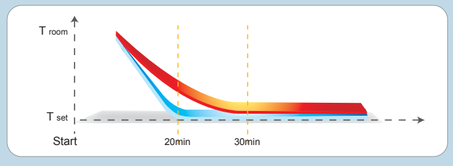
- With up to five selectable fan speeds, users are given more choices. By selecting Quiet mode, the sound pressure level is reduced down to an unobstrusive 24 dBA.
- To quickly cool down the room, Turbo model can be selected for maximum cooling power and highest airflow.





Turbo Mode

TURBO function is available in COOL and HEAT modes only. Once it is activated, the air-conditioner will run into full power with indoor fan running at MAX speed for 20 minutes. This enables the set temperature to be achieved faster. If TURBO and SLEEP are activated at the same time, the SLEEP mode timer will be reset, it will resume after TURBO function is cleared.



Uniform Air Distribution

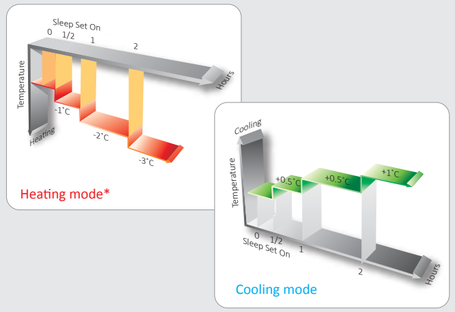
Automated air swing ensures conditioned air distributed evenly.

Easy Maintenance

Air intake grill is easily detachable to be cleaned with water.

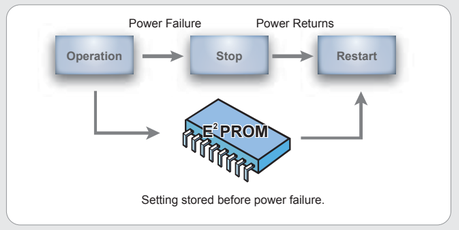
Sleep function for Cool and Heat mode

Once activated, set temperature will be increased / decreased gradually according to normal sleeping temperature patterns to ensure a comfortable sleeping environment.



Auto Restart with Last-State-Memory

In case of sudden power failure during operation, unit restarts automatically & unit will operate based on previous setting when power is resumed.



Compact & Easy To Use Wireless Remote Controller

Compact and user friendly wireless remote controller BRC52A offers:

- Real Time Clock
- "Glow in the dark" ON/OFF Button
- Low, Medium, High fan speed options
- ON Timer Setting

Wireless Remote Controller
BRC52A

Wired Remote Controller
BRC51A (Option)

Self Diagnosis Features

This feature helps to detect any faults or malfuctioning in the system and provide user a warning by blinking of the LED lights.

Specification for Wall Mounted Type ~ 60Hz

MODEL					FWW03L	FWW04L	FWW05L	FWW06L
NOMINAL COOLING CAPACITY				Btu/h	9200	11300	15500	18000
				W	2700	3310	4540	5280
NOMINAL SENSIBLE COOLING CAPACITY				Btu/h	6900	9000	11700	14000
				W	2020	2640	3430	4100
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50°C)				Btu/h	12800	14000	20500	23000
				W	3750	4100	6010	6740
NOMINAL TOTAL INPUT POWER				W	31	42	57	70
NOMINAL RUNNING CURRENT				A	0.18	0.20	0.30	0.33
POWER SOURCE				V/Ph/Hz	208-230 / 1 / 60			
REFRIGERANT TYPE					N/A			
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)			
		OPERATION			LCD WIRELESS MICRO-COMPUTER REMOTE CONTROL			
	AIR FLOW	HIGH		CFM	280	370	510	620
		MEDIUM		CFM	250	320	450	520
		LOW		CFM	220	260	390	460
		QUIET		CFM	190	240	360	440
	NOMINAL WATER FLOW RATE			USGPM	2.03	2.51	3.43	4.01
				litres/min	7.68	9.50	13.00	15.18
	HEAD LOSS (COOLING)			kPa	24.0	31.0	30.0	36.0
	HEAD LOSS (HEATING) : 50˚C			kPa	20.0	25.0	27.0	33.0
	MAX. WORKING PRESSURE			kPa	1608			
	SURFACE AIR VELOCITY			m/s	0.74	0.97	0.83	1.01
	SOUND PRESSURE LEVEL (H/M/L/Q)			dBA	35 / 30 / 25 / 24	42 / 39 / 32 / 29	42 / 38 / 34 / 32	46 / 42 / 39 / 37
	UNIT DIMENSION	H X W X D		mm	288 X 800 X 206		310 X 1065 X 224	
	PACKING DIMENSION	H X W X D		mm	344 x 874 x 274		386 X 1136 X 314	
	UNIT WEIGHT			kg	9		14	
	CONDENSATE DRAIN SIZE			mm	19.05			
	PIPE CONNECTION			mm	12.70			
	FAN	TYPE			CROSS FLOW FAN			
		DRIVE			DIRECT			
		FAN SPEED	HIGH	RPM	1050	1310	1035	1150
			MEDIUM	RPM	910	1150	920	1070
			LOW	RPM	780	955	825	970
	FAN MOTOR	TYPE			SINGLE PHASE SCR			
		INDEX OF PROTECTION (IP)			IP44			
		INSULATION GRADE			E			
		RATED INPUT POWER	HIGH	W	31	42	57	70
			MEDIUM	W	26	34	46	61
			LOW	W	20	26	38	51
		RATED RUNNING CURRENT	HIGH	A	0.18	0.20	0.30	0.33
			MEDIUM	A	0.16	0.19	0.27	0.31
			LOW	A	0.15	0.16	0.25	0.29
		STARTING CURRENT		A	0.225	0.225	0.356	0.356
		MOTOR OUTPUT		W	18	18	30	30
		POLES			4			
	COIL	TUBE	MATERIAL		COPPER			
			DIAMETER	mm	7.00			
		FIN	MATERIAL		ALUMINIUM			
			FACE AREA	m²	0.18	0.18	0.29	0.29
			ROW		2			
		WATER VOLUME		litre	0.58	0.58	0.95	0.95
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER			
			QUANTITY	pc	2			
	CASING			COLOUR	WHITE			

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
N/A : NON APPLICABLE

Ceiling Cassette Type (900x900) With Brushless DC Motor

FWKE-E

Wireless Remote Controller
BRC52A

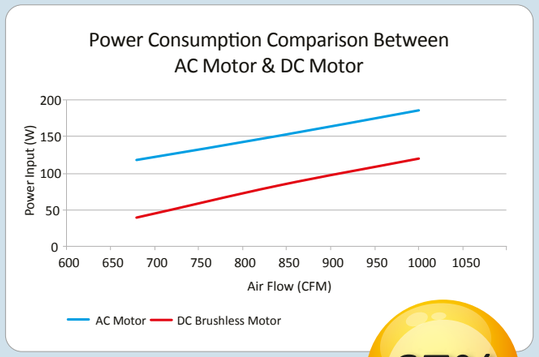
Wired Remote Controller
BRC51A

- › Comfortable
- › Energy Saving
- › Low Noise
- › Low Maintenance & No Brush Sparking
- › 4 Pipe System Available*
- › Modulating Fan Speed Control
- › Optimum Air Discharge
- › Multi Comfort - 3 Air Swing Pattern Control
- › Branch Duct Connection
- › Low Height Design
- › Built In High Head Drain Pump & Water Flow Switch
- › Superior Sound Level
- › Fresh Air Intake
- › Low Water Pressure Drop
- › Sleep Function For Cool And Heat Mode
- › Choices Of Wired Or Withless Remote Controller

Energy Saving

Compared to the traditional AC motor, DC motor offers the advantages of lower power input , higher efficiency and hence more energy saving.

- Brushless DC motor has less internal resistance and better heat dissipation in the stator coils. As a result, it has higher operating efficiencies since heat can more efficiently dissipate via the stationary motor housing.
- With the green building and development being so welcomed now, this Ceiling Casstte type with Brushless DC motor gives you another excellent option to consider.



Energy Saving Maximum 67%

Recommended Applications

Ceiling Cassette type fan coil with Brushless DC motor provides a green and pleasant environment.

Office

Low Noise

Due to no brushes or a mechanical commutator, it has less shaft friction or inertia and hence less audible noise as low as 16 dBA.

Low Maintenance & No Brush Sparking

Brushless DC motor does not use carbon brushes or a mechanical commutator, thus, it is low maintenance and non-sparking.

4 Pipe System Available*

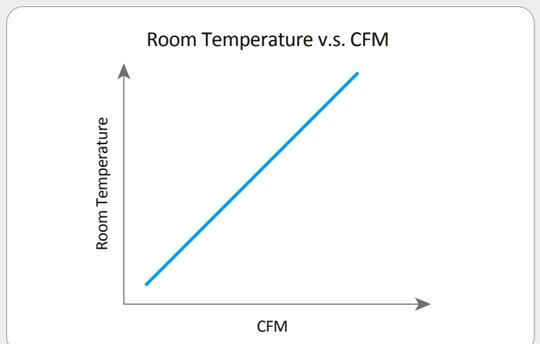
4 pipe system allows a distribution system that contains both hot water supply with return lines and a chilled water supply with return lines.

* FWKE-EH model

Modulating Fan Speed Control

Fan speed modulates steplessly based on room temperature to reduce the difference between room temperature and set temperature and hence provides maximum comfort and reduces energy consumption.

* Available in auto fan mode



Home

Restaurant

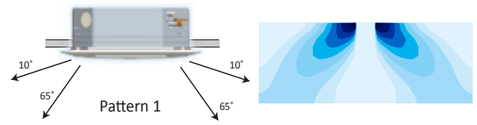
Multi Comfort - 3 Air Swing Pattern Control

To increase the comfort level of the air conditioned area of FWK-E series, the system had been built in with three different type of air flow pattern to suit different requirement.

* The default setting is pattern 1. The air swing pattern can be selected via wireless remonote control.

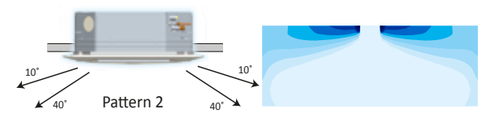
Standard Setting

Louver is set to swing at the maximum angle for gentle drafts.



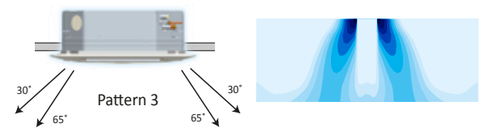
Draft Prevention Setting

With the aid of Coanda effect, direct draft which may lead to discomfort can be avoided.



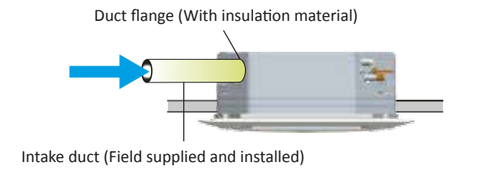
Soil Prevention Setting

Even distribution of cooling whilst ensuring ceiling to be kept spotless.



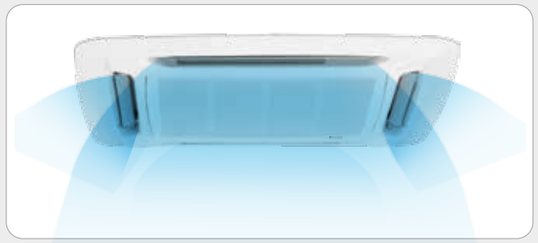
Fresh Air Intake

- 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 the total air flow. Also provide a chamber and use a booster fan.



Optimum Air Discharge

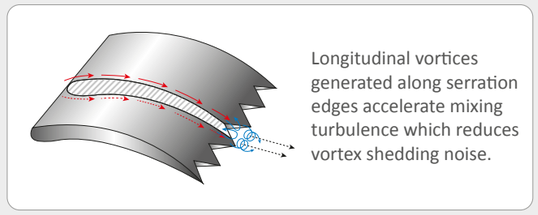
Combining 4 ways air discharge and large discharge area on each side, Ceiling Cassette promote even air distribution. The additional feature of automatic air swing helps to distribute the conditioned air more evenly to every corner of the room.



Superior Sound Level

With the adapted technology from Daikin turbo fan, Ceiling Cassette series is able to achieve exceptional low noise.

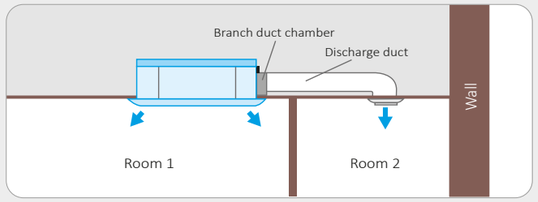
With up to 4 selected fan speeds, users are given more choices. By selecting the Quiet mode, the sound pressure level can be as low as 16dBA.



Longitudinal vortices generated along serration edges accelerate mixing turbulence which reduces vortex shedding noise.

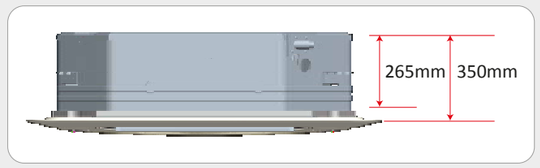
Branch Duct Connection

Improves air flow distribution when there is an obstruction. It allows for air conditioning of two rooms simultaneously.



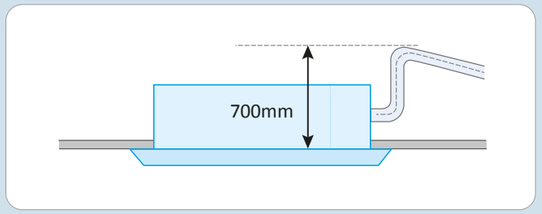
Low Height Design

Unit height as low as 265mm for installation convenience.



Built In High Head Drain Pump & Water Flow Switch

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



Modern & Elegant Panel

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

Low Water Pressure Drop

Also commonly known as low head loss actually helps to increase the system efficiency.

Self Diagnosis Features

This feature helps to detect any faults or malfuctioning in the system and provide user a warning by blinking of the LED lights.

Valve Or Valveless Control Options

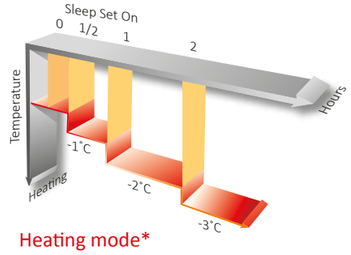
The design is flexible enough to allow for either valve or valveless control installation.

NIM-Able

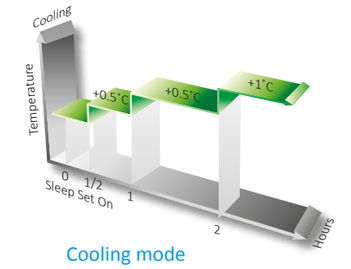
Able to communicate with the versatile NIM networking control module and offers the oppurtunity of one centralized control for a system of multiple indoor units in a building.

Sleep Function For Cool And Heat Mode

Once activated, set temperature will be increased / decreased gradually according to normal sleeping temperature patterns to ensure a comfortable sleeping environment.



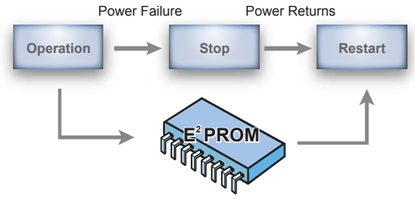
Heating mode*



Cooling mode

Auto Restart With Last-State-Memory

In case of sudden power failure during operation, unit restarts automatically & unit will operate based on previous setting when power is resumed.



Setting stored before power failure.

Choices Of Wired Or Wireless Remote Controller

Compact and user friendly wireless BRC52A and wired BRC51A
remote controller offer :

- Real Time Clock
- "Glow in the dark" ON/OFF Button
- Low, Medium, High fan speed options
- ON Timer Setting

Wireless Remote Controller
BRC52A

Wired Remote Controller
BRC51A

Specification for Ceiling Cassette Type ~ 60Hz (2 Pipe System)

MODEL				FWKE05E				FWKE08E				FWKE11E			
				QUIET	LOW	MEDIUM	HIGH	QUIET	LOW	MEDIUM	HIGH	QUIET	LOW	MEDIUM	HIGH
NOMINAL COOLING CAPACITY			Btu/h	8200	11900	15900	20100	15200	19800	24700	30000	21000	26800	33100	40100
			W	2400	3500	4650	5900	4550	5800	7250	8800	6150	7850	9700	11750
NOMINAL SENSIBLE COOLING CAPACITY			Btu/h	5800	8700	11700	15400	11000	14500	18500	21900	14600	18900	23800	28600
			W	1710	2540	3440	4510	3220	4260	5410	6430	4270	5540	6970	8370
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50˚C)			Btu/h	11300	15200	19800	24200	18400	23900	30400	38200	24100	31600	39100	46700
			W	3300	4450	5800	7100	5400	7000	8900	11200	7050	9250	11450	13700
FAN INPUT POWER			W	7	12	19	37	17	26	50	90	23	39	83	120
NOMINAL RUNNING CURRENT			A	0.14	0.20	0.28	0.47	0.26	0.36	0.61	0.97	0.32	0.49	0.92	1.23
POWER SOURCE			V/Ph/Hz	208-230 / 1 / 60											
REFRIGERANT TYPE				N/A											
	CONTROL	AIR DISCHARGE		4 WAY AUTOMATIC LOUVER (UP & DOWN)											
		OPERATION		LCD WIRELESS MICRO-COMPUTER REMOTE CONTROL											
	AIR FLOW		CFM	220	350	470	620	420	560	720	890	510	680	870	1060
	EXTERNAL STATIC PRESSURE (H/M/L)		Pa	N/A											
	NOMINAL WATER FLOW RATE		USGPM	1.84	2.68	3.56	4.52	3.41	4.44	5.55	6.74	4.71	6.01	7.43	9.00
			Litres/min	6.96	10.15	13.48	17.10	12.90	16.81	21.02	25.51	17.83	22.76	28.12	34.06
	HEAD LOSS (COOLING)		kPa	5	10	15	24	7	9	14	20	15	22	30	41
	HEAD LOSS (HEATING) : 50˚C		kPa	4	8	13	21	5	8	12	18	12	20	26	37
	MAX. WORKING PRESSURE		kPa	1608											
	SURFACE AIR VELOCITY		m/s	0.27	0.42	0.60	0.64	0.43	0.55	0.68	0.81	0.45	0.57	0.71	0.83
	SOUND PRESSURE LEVEL		dBA	16	23	31	37	31	37	42	47	34	41	46	51
	UNIT DIMENSION - ( ) WITH PANEL	H X W X D	mm	265 X 820 X 820 (340 X 990 X 990)								300 X 820 X 820 (375 X 990 X 990)			
	PACKING DIMENSION - ( ) PANEL	H X W X D	mm	341 X 916 X 916 (125 X 1020 X 1020)								376 X 916 X 916 (125 X 1020 X 1020)			
	UNIT WEIGHT		kg	26 + 4				28 + 4				32 + 4			
	CONDENSATE DRAIN SIZE		mm	19.05											
	PIPE CONNECTION		mm	19.05											
INDOOR UNIT	FAN	TYPE		TURBO FAN											
		DRIVE		DIRECT											
		FAN SPEED	RPM	200	280	360	450	350	440	550	660	400	510	630	750
	FAN MOTOR	TYPE		BLDC											
		INDEX OF PROTECTION (IP)		IP20				IP20				IP20			
		INSULATION GRADE		E				E				E			
		RATED RUNNING CURRENT	A	0.14	0.20	0.28	0.47	0.26	0.36	0.61	0.97	0.32	0.49	0.92	1.23
		STARTING CURRENT	A	1.5				2.2				2.2			
		MOTOR OUTPUT	W	70				70				100			
		POLES		8				8				8			
	COIL	TUBE	MATERIAL	COPPER											
			DIAMETER	mm	7.00										
		FIN	MATERIAL	ALUMINUM											
			FACE AREA	m²	0.39			0.37				0.46			
			ROW		2			3				3			
		WATER VOLUME		Litre	1.36			1.97				2.35			
	AIR QUALITY	FILTER	TYPE	WASHABLE SARANET FILTER											
			QUANTITY	pc	1										
	CASING			COLOUR	LIGHY GREY										

NOTE:
A) BASED ON EUROVENT CONDITIONS
B) ADDITIONAL 10W IS REQUIRED FOR CONDENSATE DRAIN PUMP
C) SOUND PRESSURE LEVEL IS TESTED AS PER JIS STANDARD AS BELOW:
FWKE05E MODEL - 1.4M BELOW THE FACE CENTER OF AIR RETURN OF THE UNIT
FWKE08/11E MODEL - 1.5M BELOW THE FACE CENTER OF AIR RETURN OF THE UNIT

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Specification for Ceiling Cassette Type ~ 60Hz (4 Pipe System)

MODEL				FWKE05EH				FWKE08EH				FWKE11EH			
				QUIET	LOW	MEDIUM	HIGH	QUIET	LOW	MEDIUM	HIGH	QUIET	LOW	MEDIUM	HIGH
NOMINAL COOLING CAPACITY			Btu/h	6800	9600	12300	15000	13300	17100	20800	24600	17700	22200	26400	30700
			W	2000	2800	3600	4400	3900	5000	6100	7200	5200	6500	7750	9000
NOMINAL SENSIBLE COOLING CAPACITY			Btu/h	5300	7600	10200	13100	9900	13000	16600	19600	13300	16700	20700	24500
			W	1560	2240	2990	3850	2910	3810	4850	5750	3890	4900	6060	7170
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 70˚C)			Btu/h	12800	17200	21700	26100	21800	27300	32800	38200	31900	39100	46200	53400
			W	3750	5050	6350	7650	6400	8000	9600	11200	9350	11450	13550	15650
FAN INPUT POWER			W	7	12	19	37	17	26	50	90	23	39	83	120
NOMINAL RUNNING CURRENT			A	0.14	0.20	0.28	0.47	0.26	0.36	0.61	0.97	0.32	0.49	0.92	1.23
POWER SOURCE			V/Ph/Hz	208-230 / 1 / 60											
REFRIGERANT TYPE				N/A											
INDOOR UNIT	CONTROL	AIR DISCHARGE		4 WAY AUTOMATIC LOUVER (UP & DOWN)											
		OPERATION		LCD WIRELESS MICRO-COMPUTER REMOTE CONTROL											
	AIR FLOW		CFM	220	350	470	620	420	560	720	890	510	680	870	1060
	EXTERNAL STATIC PRESSURE (H/M/L)		Pa	N/A											
	NOMINAL WATER FLOW RATE (COOLING)		USGPM	1.53	2.14	2.76	3.37	2.99	3.83	4.67	5.51	3.98	4.98	5.93	6.89
			Litres/min	5.80	8.12	10.44	12.75	11.31	14.49	17.68	20.87	15.07	18.84	22.47	26.09
	NOMINAL WATER FLOW RATE (HEATING)		USGPM	1.44	1.93	2.43	2.93	2.45	3.06	3.68	4.29	3.58	4.38	5.19	5.99
			Litres/min	5.44	9.20	9.20	11.09	9.28	13.91	13.91	16.23	13.55	16.60	19.64	22.68
	HEAD LOSS (COOLING)		kPa	5	9	13	18	6	10	15	19	12	19	24	32
	HEAD LOSS (HEATING) : 70˚C		kPa	7	10	17	22	13	18	25	32	21	30	39	52
	MAX. WORKING PRESSURE		kPa	1608											
	SURFACE AIR VELOCITY		m/s	0.27	0.42	0.60	0.64	0.43	0.55	0.68	0.81	0.45	0.57	0.71	0.83
	SOUND PRESSURE LEVEL		dBA	16	23	31	37	31	37	42	47	34	41	46	51
	UNIT DIMENSION - ( ) WITH PANEL	H X W X D	mm	265 X 820 X 820 (340 X 990 X 990)								300 X 820 X 820 (375 X 990 X 990)			
	PACKING DIMENSION - ( ) PANEL	H X W X D	mm	341 X 916 X 916 (125 X 1020 X 1020)								376 X 916 X 916 (125 X 1020 X 1020)			
	UNIT WEIGHT		kg	26 + 4				28 + 4				32 + 4			
	CONDENSATE DRAIN SIZE		mm	19.05											
	PIPE CONNECTION		mm	19.05											
	FAN	TYPE		TURBO FAN											
		DRIVE		DIRECT											
		FAN SPEED	RPM	200	280	360	450	350	440	550	660	400	510	630	750
	FAN MOTOR	TYPE		BLDC											
		INDEX OF PROTECTION (IP)		IP20				IP20				IP20			
		INSULATION GRADE		E				E				E			
		RATED RUNNING CURRENT	A	0.14	0.20	0.28	0.47	0.26	0.36	0.61	0.97	0.32	0.49	0.92	1.23
		STARTING CURRENT	A	1.5				2.2				2.2			
		MOTOR OUTPUT	W	70				70				100			
		POLES		8				8				8			
	COIL	TUBE	MATERIAL	COPPER											
			DIAMETER	mm	7.00										
		FIN	MATERIAL	ALUMINUM											
			FACE AREA	m²	0.39			0.37				0.46			
			ROW		2			3				3			
		WATER VOLUME		Litre	1.36			1.97				2.35			
	AIR QUALITY	FILTER	TYPE	WASHABLE SARANET FILTER											
			QUANTITY	pc	1										
	CASING			COLOUR	LIGHY GREY										

NOTE:
A) BASED ON EUROVENT CONDITIONS
B) ADDITIONAL 10W IS REQUIRED FOR CONDENSATE DRAIN PUMP
C) SOUND PRESSURE LEVEL IS TESTED AS PER JIS STANDARD AS BELOW:
FWKE05EH MODEL - 1.4M BELOW THE FACE CENTER OF AIR RETURN OF THE UNIT
FWKE08/11EH MODEL - 1.5M BELOW THE FACE CENTER OF AIR RETURN OF THE UNIT

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Ceiling Exposed Type

FWE-D

Wireless Remote Controller
BRC52A

Wired Remote Controller
BRC51A

- › Two Way Air Discharge
- › Auto Air Swing
- › Ceiling & Floor Installing Option
- › Room Temperature Sensing
- › Saranet Filter
- › Sleep Function For Cool And Heat Mode
- › Auto Restart With Last-State-Memory
- › Valve Or Valveless Control Options
- › Self Diagnosis Features
- › NIM-Able
- › Choices Of Wired Or Wireless Remote Controller

Two Way Air Discharge

Equipped with two way air discharge, at front and bottom discharge; to provide better air distribution, for both cooling and heating effect.

Auto Air Swing

The swing mode enables the air flow to be evenly distributed into the room from the front discharge area.

Ceiling and Floor Installating Option

The unit is designed with possibility to be installed under the ceiling or sitting on the floor to suit any interior design requirements.

** Applicable for FWE 07-13 D only.

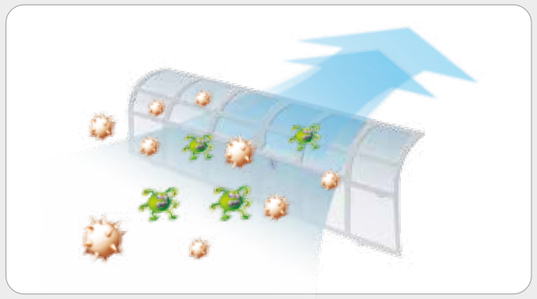
*Wall bracket is supplied as optional item.

Room Temperature Sensing

Able to sense the room temperature in order to perform more controls for comfort.

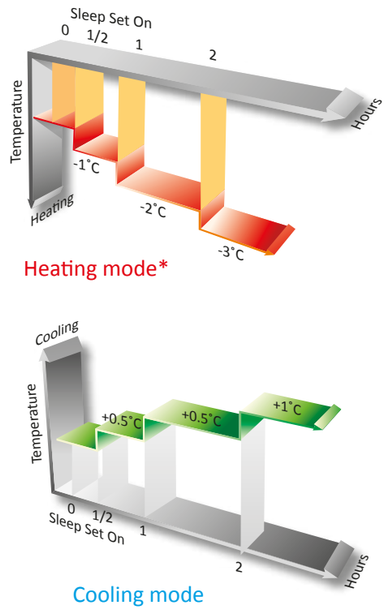
Saranet Air Filter

The anti fungus air filter removes air-particles from the air.



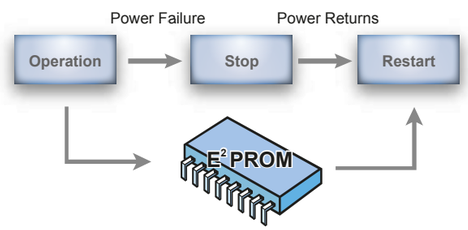
Sleep Function For Cool And Heat Mode

Once activated, set temperature will be increased / decreased gradually according to normal sleeping temperature patterns to ensure a comfortable sleeping environment.



Auto Restart with Last-State-Memory

In case of sudden power failure during operation, unit restarts automatically & unit will operate based on previous setting when power is resumed.



Setting stored before power failure.

Valve Or Valveless Control Options

The design is flexible enough to allow for either valve or valveless control installation.

Self Diagnosis Features

This feature helps to detect any faults or malfuctioning in the system and provide user a warning by blinking of the LED lights.

NIM-Able

Able to communicate with the versatile NIM networking control module and offers the oppurtunity of one centralized control for a system of multiple indoor units in a building.

Choices Of Wired Or Wireless Remote Controller

Compact and user friendly wireless BRC52A and wired BRC51A remote controller offer :

- Real Time Clock
- "Glow in the dark" ON/OFF Button
- Low, Medium, High fan speed options
- ON Timer Setting

Wireless Remote Controller
BRC52A

Wired Remote Controller
BRC51A62

Specification for Ceiling Exposed Type ~ 60Hz

MODEL					FWE05D	FWE06D	FWE07D	FWE09D	FWE13D
NOMINAL COOLING CAPACITY				Btu/h	17700	20800	24600	31200	45000
				W	5190	6100	7210	9140	13190
NOMINAL SENSIBLE COOLING CAPACITY				Btu/h	13650	15000	17700	25600	31400
				W	4000	4400	5190	7500	9200
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50°C)				Btu/h	22000	25900	28000	42300	51500
				W	6450	7590	8210	12400	15090
NOMINAL TOTAL INPUT POWER				W	104	163	163	306	306
NOMINAL RUNNING CURRENT				A	0.50	0.70	0.80	1.50	1.50
POWER SOURCE				V/Ph/Hz	208-230 / 1 / 60				
REFRIGERANT TYPE					N/A				
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)				
		OPERATION			LCD WIRELESS MICRO-COMPUTER REMOTE CONTROL				
	AIR FLOW	HIGH		CFM	560	630	697	956	1059
		MEDIUM		CFM	505	620	688	908	1023
		LOW		CFM	400	555	650	889	956
	NOMINAL WATER FLOW RATE			USGPM	3.92	4.62	5.46	6.91	9.99
				Litres/min	14.84	17.49	20.67	26.16	37.82
	HEAD LOSS (COOLING)			kPa	46	56	49	24	38
	HEAD LOSS (HEATING) : 50°C			kPa	39	48	43	22	32
	MAX. WORKING PRESSURE			kPa	1608				
	SURFACE AIR VELOCITY			m/s	1.39	1.56	1.37	1.22	1.35
	SOUND PRESSURE LEVEL (H/M/L)			dBA	50 / 47 / 40	54 / 53 / 50	51 / 50 / 48	54 / 53 / 52	54 / 53 / 52
	UNIT DIMENSION	H X W X D		mm	214 x 1214 x 670		249 x 1214 x 670	249 x 1714 x 670	
	PACKING DIMENSION	H X W X D		mm	301 x 1311 x 760		354 x 1376 x 766	354 x 1876 x 766	
	UNIT WEIGHT			kg	43	43	45	70	70
	CONDENSATE DRAIN SIZE			mm	19.05				
	PIPE CONNECTION			mm	19.05				
	FAN	TYPE			BLOWER FAN				
		DRIVE			DIRECT				
		FAN SPEED	HIGH	RPM	1200	600	1400	1430	1430
			MEDIUM	RPM	1100	500	1370	1390	1390
			LOW	RPM	890	400	1260	1340	1340
	FAN MOTOR	TYPE			INDUCTION				
		INDEX OF PROTECTION (IP)			IP 20				
		INSULATION GRADE			E				
		RATED INPUT POWER	HIGH	W	116	169	169	279	279
			MEDIUM	W	98	146	149	226	226
			LOW	W	74	128	130	177	177
		RATED RUNNING CURRENT	HIGH	A	0.44	0.77	0.77	1.27	1.27
			MEDIUM	A	0.34	0.67	0.68	1.05	1.05
			LOW	A	0.26	0.59	0.61	0.85	0.85
		STARTING CURRENT		A	0.64	1.14	1.14	2.82	2.82
		MOTOR OUTPUT		W	45	95	95	140	140
		POLES			4				
	COIL	TUBE	MATERIAL		COPPER				
			DIAMETER	mm	9.53				
		FIN	MATERIAL		ALUMINUM				
			FACE AREA	m²	0.19	0.19	0.24	0.37	0.37
			ROW		3	3	3	4	4
		WATER VOLUME		Litre	1.68	1.68	2.09	4.25	4.25
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER				
			QUANTITY	pc	2				
	CASING			COLOUR	LIGHT GREY				

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Ceiling Concealed Type

FWC-C

Wired Remote Controller
BRC51A

› Excellent Air Distribution
› Compact Design
› High Capacity Range
› High External Static Pressure Range
› Double Protection Drainage
› East To Service
› Left/Right Piping Option

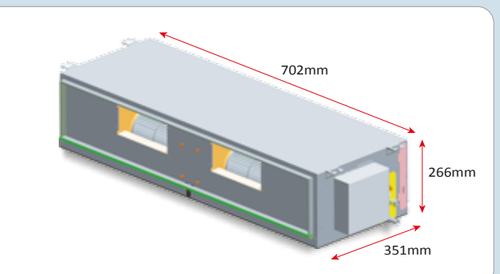
› 4 Useable Fan Speed
› Valve Or Valveless Control Options
› Self Diagnosis Features
› NIM-Able
› Auto Restart With Last-State-Memory
› Choices Of Wired Or Without Wired Controller

Excellent Air Distribution

The air can be distributed evenly to every corner of the room through ducting. This not only presents a confortable environment, it also enables the installation of multiple area by using only one fan coil unit.

Compact Design

Unit height as low as 267mm for installation at limited ceiling space.



High Capacity Range

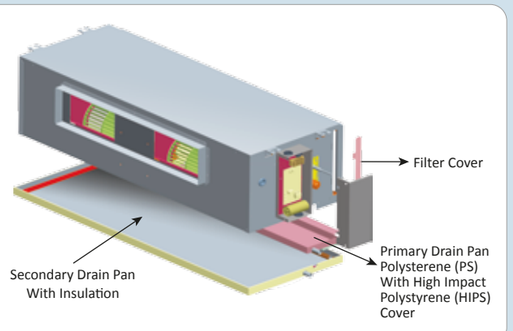
From 3kW to 16kW.

High External Static Pressure Range

Available up to 196Pa for high static application like the ducting application.

Double Protection Drainage System

There are primary and secondary drain pan from the standard model, which provide extra protection against condensed or water leaking posibilities.



Easy To Service

Direct access to control box at side panel and filter is accessible from side panel too.

Left / Right Piping option

For flexible installation and application at site

4 Useable Fan Speed

Each speed offers different external static pressure and air flow which enhances flexibility.

Valve Or Valveless Control Options

The design is flexible enough to allow for either valve or valveless control installation

Self Diagnosis Features

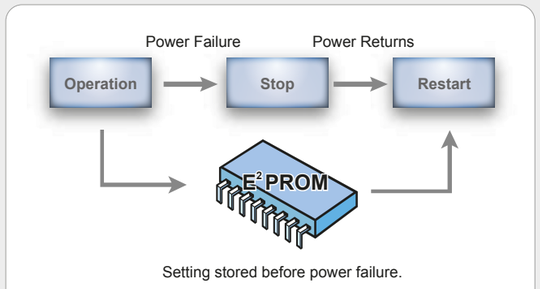
Ability to detect and diagnose faults and display as error code in the wired controller.

NIM-Able

Able to communicate with the versatile NIM networking control module and offers the oppurtunity of one centralized control for a system of multiple indoor units in a building

Auto Restart With Last-State-Memory

In case of sudden power failure during operation, unit restarts automatically & unit will operate based on previous setting



Setting stored before power failure.

Choices Of With Or Without Wired Remote Controller

Compact and user friendly wired BRC51A remote controller offers:

- Real Time Clock
- "Glow in the dark" ON/OFF Button
- Low, Medium, High fan speed options
- ON Timer Setting

Wired Remote Controller
BRC51A

Specification for Ceiling Concealed Type ~ 60Hz

MODEL					FWC03C	FWC04C	FWC06C	FWC07C
NOMINAL COOLING CAPACITY				Btu/h	9900	11600	18000	22500
				W	2900	3400	5280	6590
NOMINAL SENSIBLE COOLING CAPACITY				Btu/h	7000	8120	12600	15750
				W	2050	2380	3690	4620
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50°C)				Btu/h	11500	15000	23000	29000
				W	3370	4400	6740	8500
NOMINAL TOTAL INPUT POWER				W	77	128	170	215
NOMINAL RUNNING CURRENT				A	0.35	0.58	0.79	0.98
POWER SOURCE				V/Ph/Hz	208-230 / 1 / 60			
REFRIGERANT TYPE					N/A			
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED			
		OPERATION			WIRED MICRO-COMPUTER REMOTE CONTROL			
	AIR FLOW	HIGH		CFM	300	510	700	730
		MEDIUM		CFM	265	440	650	640
		LOW		CFM	220	360	490	550
	EXTERNAL STATIC PRESSURE			Pa	20 / 16 / 11	29 / 22 / 15	39 / 34 / 20	83 / 64 / 47
	NOMINAL WATER FLOW RATE			USGPM	2.20	2.60	4.05	5.06
				litres/min	8.33	9.84	15.33	19.15
	HEAD LOSS (COOLING)			kPa	10.5	24.0	20.1	32.4
	HEAD LOSS (HEATING) : 50°C			kPa	8.8	20.3	17.0	27.6
	MAX. WORKING PRESSURE			kPa	1608			
	SURFACE AIR VELOCITY			m/s	1.29	1.72	1.83	1.72
	SOUND PRESSURE LEVEL (H/M/L)			dBA	36 / 33 / 29	40 / 36 / 31	42 / 41 / 35	41 / 39 / 36
	UNIT DIMENSION		H X W X D	mm	267 x 702 x 351	267 x 842 x 351	267 x 1002 x 351	267 x 1137 x 351
	PACKING DIMENSION		H X W X D	mm	376 x 951 x 541	376 x 1091 x 541	376 x 1251 x 541	376 x 1386 x 541
	UNIT WEIGHT			kg	18	22	24	26
	CONDENSATE DRAIN SIZE			mm	19.05			
	PIPE CONNECTION			mm	19.05			
	FAN	TYPE			BLOWER			
		DRIVE			DIRECT			
		FAN SPEED	HIGH	RPM	1100	1320	1360	1520
			MEDIUM	RPM	950	1150	1250	1350
			LOW	RPM	800	940	980	1180
	FAN MOTOR	TYPE			INDUCTION			
		INDEX OF PROTECTION (IP)			IP20			
		INSULATION GRADE			E			
		RATED INPUT POWER	HIGH	W	77	128	170	215
			MEDIUM	W	62	104	155	166
			LOW	W	44	75	110	138
		RATED RUNNING CURRENT	HIGH	A	0.35	0.58	0.79	0.98
			MEDIUM	A	0.28	0.48	0.72	0.76
			LOW	A	0.20	0.35	0.53	0.64
		STARTING CURRENT		A	0.40	0.81	1.13	1.53
		MOTOR OUTPUT		W	30	50	80	100
		POLES			4			
	COIL	TUBE	MATERIAL		COPPER			
			DIAMETER	mm	9.52			
		FIN	MATERIAL		ALUMINIUM			
			FACE AREA	m²	0.11	0.14	0.18	0.20
			ROW		3			
		WATER VOLUME		litre	0.94	1.15	1.43	1.63
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER			
			QUANTITY	pc	1			
	CASING			COLOUR	N/A			

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50˚C (2 Pipes System) 70˚C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60˚C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
NOTE: ALSO AVAILABLE FOR LEFT/RIGHT PIPING AND WIRED/WITHOUT REMOTE CONTROL OPTION

Specification for Ceiling Concealed Type ~ 60Hz

MODEL					FWC09C	FWC12C	FWC14C	FWC16C
NOMINAL COOLING CAPACITY				Btu/h	24800	37000	44700	51800
				W	7270	10840	13100	15180
NOMINAL SENSIBLE COOLING CAPACITY				Btu/h	19700	29300	35100	40900
				W	5770	8590	10290	11990
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50°C)				Btu/h	32800	48000	54900	65300
				W	9610	14070	16090	19140
NOMINAL TOTAL INPUT POWER				W	592	618	684	780
NOMINAL RUNNING CURRENT				A	2.70	2.80	3.12	3.55
POWER SOURCE				V/Ph/Hz	208-230 / 1 / 60			
REFRIGERANT TYPE					N/A			
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED			
		OPERATION			WIRED MICRO-COMPUTER REMOTE CONTROL			
	AIR FLOW	HIGH		CFM	830	1240	1340	1550
		MEDIUM		CFM	750	1060	1220	1460
		LOW		CFM	660	930	1100	1340
	EXTERNAL STATIC PRESSURE			Pa	167 / 137 / 108	152 / 111 / 85	186 / 155 / 126	196 / 174 / 147
	NOMINAL WATER FLOW RATE			USGPM	5.55	8.28	10.04	11.62
				litres/min	21.01	31.34	38.00	43.98
	HEAD LOSS (COOLING)			kPa	14.0	23.0	38.0	51.0
	HEAD LOSS (HEATING) : 50°C			kPa	11.0	19.0	33.0	48.0
	MAX. WORKING PRESSURE			kPa	1608			
	SURFACE AIR VELOCITY			m/s	1.40	1.83	1.54	1.52
	SOUND PRESSURE LEVEL (H/M/L)			dBA	46 / 42 / 35	49 / 44 / 39	52 / 49 / 46	53 / 51 / 48
	UNIT DIMENSION	H X W X D		mm	384 x 917 x 462	384 x 1003 x 462	384 x 1287 x 462	384 x 1487 x 462
	PACKING DIMENSION	H X W X D		mm	415 x 1126 x 631	415 x 1245 x 631	415 x 1497 x 631	415 x 1701 x 631
	UNIT WEIGHT			kg	42	44	50	56
	CONDENSATE DRAIN SIZE			mm	19.05			
	PIPE CONNECTION			mm	19.05			
	FAN	TYPE			BLOWER			
		DRIVE			DIRECT			
		FAN SPEED	HIGH	RPM	1240	1320	1390	1460
			MEDIUM	RPM	1110	1120	1270	1350
			LOW	RPM	1000	980	1140	1260
	FAN MOTOR	TYPE			INDUCTION			
		INDEX OF PROTECTION (IP)			IP20			
		INSULATION GRADE			B			
		RATED INPUT POWER	HIGH	W	592	618	684	780
			MEDIUM	W	439	476	563	684
			LOW	W	350	383	471	595
		RATED RUNNING CURRENT	HIGH	A	2.70	2.80	3.12	3.55
			MEDIUM	A	2.00	2.18	2.56	3.11
			LOW	A	1.60	1.78	2.14	2.71
		STARTING CURRENT		A	4.25	3.65	4.12	5.14
		MOTOR OUTPUT		W	100	400	480	600
		POLES			4			
	COIL	TUBE	MATERIAL		COPPER			
			DIAMETER	mm	9.52			
		FIN	MATERIAL		ALUMINIUM			
			FACE AREA	m²	0.28	0.32	0.41	0.48
			ROW		3	3	3	3
		WATER VOLUME		litre	2.21	2.60	3.33	3.80
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER			
			QUANTITY	pc	2			
	CASING			COLOUR	N/A			

MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
NOTE: ALSO AVAILABLE FOR LEFT/RIGHT PIPING AND WIRED/WITHOUT REMOTE CONTROL OPTION

Ducted Blower Type

FUD20/25B

FUD30B

› Excellent Air Distribution
› 4 Useable Fan Speed*
› Easy To Service
› Fire-Resistant Polysthylene Insulation
› Left/Right Piping Option

› Cabinet Construction
› High External Static Pressure Range
› ChangeableDrive Package*
› Convertible Air Throw Direction*
› High CFM Range

Excellent Air Distribution

The air can be distributed evenly to every corner of the room through ducting. This not only presents a confortable environment, it also enables the installation of multiple area by using only one fan coil unit.

4 Useable Fan Speed*

Each speed offers different external static pressure and air flow which enhances flexibility

*Only available for FUD20/25B

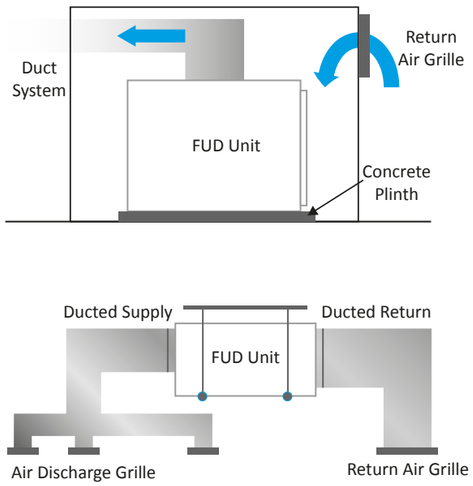
High CFM Range

From 20kW to 30kW and 2500CFM to 4200CFM.

Convertible Air Throw Direction*

Convertible discharge air direction (vertical or horizontal air throw) provides flexibility in installation at site

*Only available for FUD30B



High External Static Pressure Range

Available up to 230Pa for high static application like the ducting application

Cabinet Construction

It is coated with weatherproofed electro galvanized mild steel casing, with an epoxy is coated with an epoxy polyester powder costing for sever external conditions.

Service panel is available at the convenience side as well.

Left / Right Piping option

For flexible installation and application at site.

Fire-Resistant

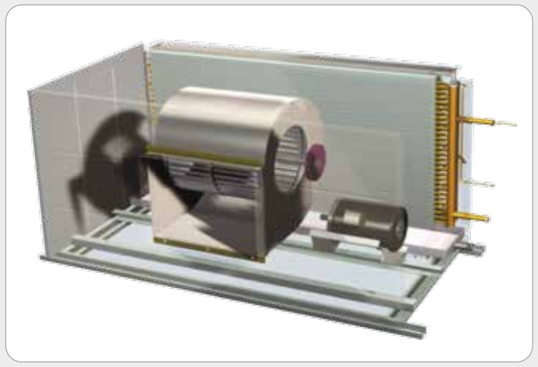
Polyrethylene (PE) insulation is used at every possible condensate panel to prevent all forms of water or moisture penetration. Polyethylene, which is also a type of Closed Cell Foam (CCF) insulation has offered the following advantages:

- Durable external surface that resists tough dirt and resilient.
- Higher degree of punsture resistance when compared to fiberglass.
- Easily cleaned surface (if necessary) to further resist microbial growth.

Changable Drive Package*

Changeable belt driven package offers flexibility in customizing project based according to application

*Only available for FUD30B



Easy To Service

There is a service way allocated at the bottom for servicing available for FUD20/25B

Specification for Ducted Blower Type ~ 60Hz

MODEL					FUD20B	FUD25B	FUD30B
NOMINAL COOLING CAPACITY				Btu/h	75600	95000	125000
				W	22160	27840	36640
NOMINAL SENSIBLE COOLING CAPACITY				Btu/h	53700	69400	90000
				W	15740	20340	26380
NOMINAL HEATING CAPACITY (ENTERING WATER TEMP. = 50°C)				Btu/h	78000	97500	138000
				W	22860	28580	40450
NOMINAL TOTAL INPUT POWER				W	1098	1396	1063
NOMINAL RUNNING CURRENT				A	5.16	7.04	4.90
POWER SOURCE				V/Ph/Hz	208-230 / 1 / 60		208-230 / 3 / 60
REFRIGERANT TYPE					N/A		
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED		
		OPERATION			WITHOUT CONTROLLER		
	AIR FLOW	HIGH		CFM	2500	3200	4200
		MEDIUM		CFM	2100	3000	N/A
		LOW		CFM	1750	2800	N/A
	EXTERNAL STATIC PRESSURE			Pa	100 / 72 / 50	100 / 80 / 60	230
	NOMINAL WATER FLOW RATE			USGPM	16.90	21.10	27.70
				litres/min	64.00	80.00	105.00
	HEAD LOSS (COOLING)			kPa	34.5	42.0	48.8
	HEAD LOSS (HEATING) : 50°C			kPa	32.9	27.4	31.5
	MAX. WORKING PRESSURE			kPa	1608		
	SURFACE AIR VELOCITY			m/s	2.19	2.80	1.96
	SOUND PRESSURE LEVEL			dBA	50/46/42	54/52/50	58
	UNIT DIMENSION	H X W X D		mm	572 x 1402 x 605		885 x 1540 x 850
	PACKING DIMENSION	H X W X D		mm	762 x 1605 x 880		1154 x 1787 x 1188
	UNIT WEIGHT			kg	92	102	176
	CONDENSATE DRAIN SIZE			mm	19.05		
	PIPE CONNECTION			mm	28.58		
	FAN	TYPE			BLOWER		
		DRIVE			DIRECT		BELT
		FAN SPEED	HIGH	RPM	835	950	707
			MEDIUM	RPM	720	885	N/A
			LOW	RPM	615	805	N/A
	FAN MOTOR	TYPE			INDUCTION		
		INDEX OF PROTECTION (IP)			IP20		IP55
		INSULATION GRADE			F	B	F
		RATED INPUT POWER	HIGH	W	1060	1351	1707
			MEDIUM	W	810	1082	N/A
			LOW	W	643	964	N/A
		RATED RUNNING CURRENT	HIGH	A	4.80	6.16	6.25
			MEDIUM	A	3.77	5.02	N/A
			LOW	A	3.05	4.54	N/A
		STARTING CURRENT		A	3.23	5.10	7 - 56.28
		MOTOR OUTPUT		W	375	500	2200
		POLES			6	6	4
	COIL	TUBE	MATERIAL		COPPER		
			DIAMETER	mm	9.53		
		FIN	MATERIAL		ALUMINIUM		
			FACE AREA	m²	0.54	0.54	1.01
			ROW		3	4	3
		WATER VOLUME		litre	4.53	6.27	8.14
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER		AAF R29
			QUANTITY	pc	2		3
	CASING			COLOUR	IVORY WHITE		

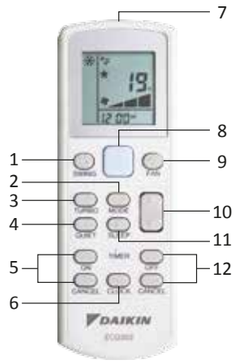
MODE	COOLING	HEATING
ENTERING AIR TEMPERATURE	27˚C DB / 19˚C WB	20˚C DB
ENTERING WATER TEMPERATURE	7˚C	50°C (2 Pipes System) 70°C (4 Pipes System)
LEAVING WATER TEMPERATURE	12˚C	60°C (4 Pipes System)

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
NOTE: ALSO AVAILABLE FOR LEFT/RIGHT PIPING.

Controller

BRC52A

BRC52A61 – Heatpump with auto mode
BRC52A62 – Cooling only
BRC52A63 - Heatpump



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

BRC51A

BRC51A61 – Heatpump with auto mode
BRC51A62 – Cooling only

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/BRC52A62)

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 response 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.

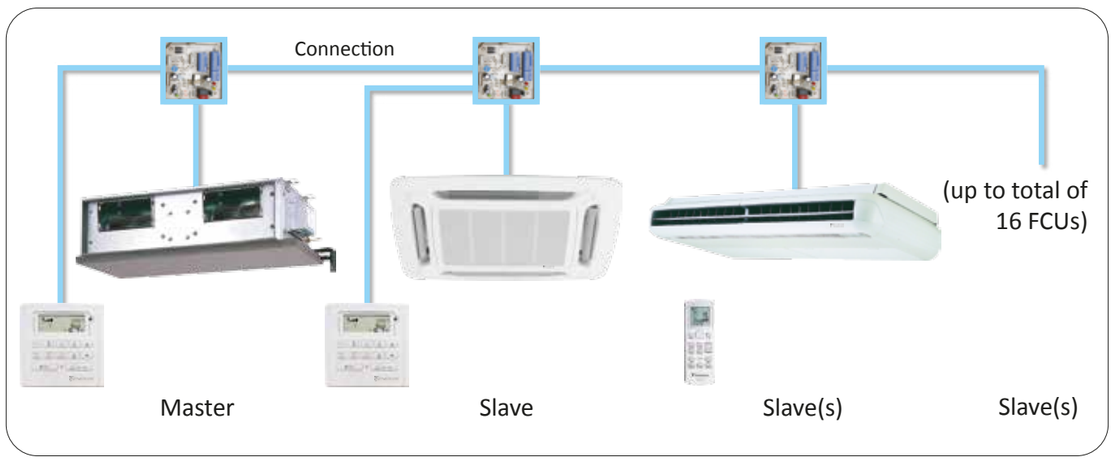

NIM

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).

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:

- Fan coil units
- BRC51A or BRC52A

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).

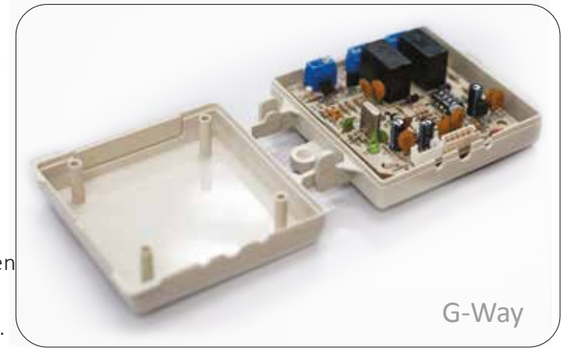
G-Way

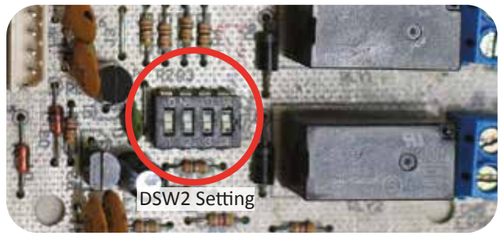
Function

- Gateway between DX fan coil unit and basic Building Management System (BMS).

Note:

- Remote (On/Off) control of air conditioner via BMS.
- Unit error indication via BMS and BRC51A controller.
- Unit operation status monitoring via BMS.
- Maximum point to point communication bus between air conditioner and BMS of up to 1000m.
- DIP switch setting for control or monitoring function.


G-Way



Types of Operation	DSW2 Setting
Control & Monitor (Ext. Switch Closed = ON A/C)	0000
Control & Monitor (Ext. Switch Open = ON A/C)	0010
Monitoring only	0001