

Ceiling Exposed (50Hz)



FWE-E



Wireless controller
BRC52A



Wired controller
BRC51A

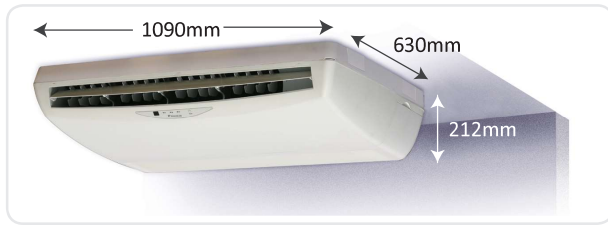
- Compact design
- Far air throw
- Auto air swing
- Easy serviceability and maintenance
- Versatile installation - high pressure head drain pump option
- Room temperature sensing
- Sleep function in cool and heat modes
- Auto restart with last-state-memory
- Valve or valveless control options
- Self-diagnosis features
- Choices of wired or wireless controller
- NIM-abled
- BAG compatible



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Compact Design

Unit height as low as 212mm for installation at low ceiling space.



Far Air Throw

Maximum air throw distance up to 16.5m.



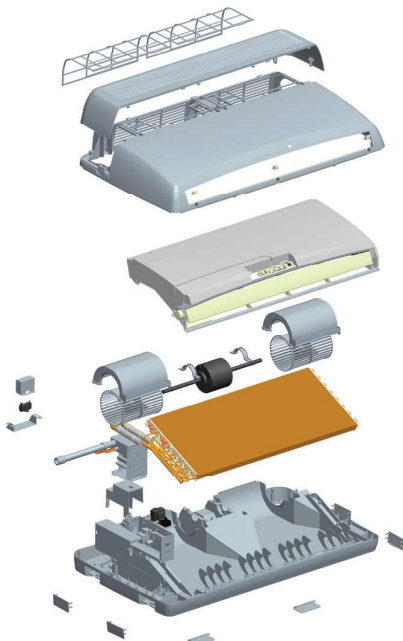
Auto Air Swing

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



Service & Maintenance at Ease

The washable filter can be easily accessed by just pulling down the intake grill. During servicing or repairing, only the bottom panel needs to be removed in order to access the parts like fan motor, blower, wiring connection, control box, piping connection and so on.



Ceiling Installation

The unit is uniquely designed with the possibility to be installed on the ceiling to suit any interior design requirements.

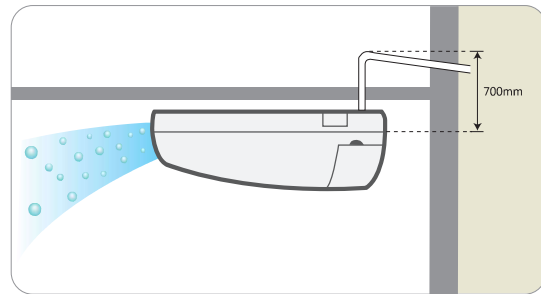
*Wall bracket is supplied as optional item.



Versatile Installation

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

* Drain pump kit supplied as optional item

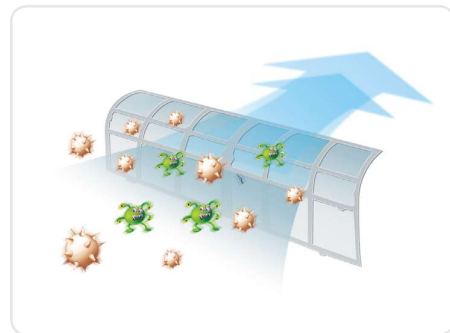


Room Temperature Sensing

Ability of unit to sense the room temperature for greater room comfort.

Saranet Air Filter

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



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Self Diagnosis Features

This feature helps to detect any faults or malfunctioning 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

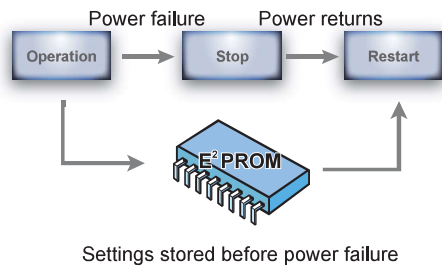
Able to communicate with the versatile NIM networking control module and offers the opportunity of one centralized control for a system of multiple indoor units in a building.

Choices of Wired or Wireless Controller

Choices of wired BRC51A or wireless BRC52A .

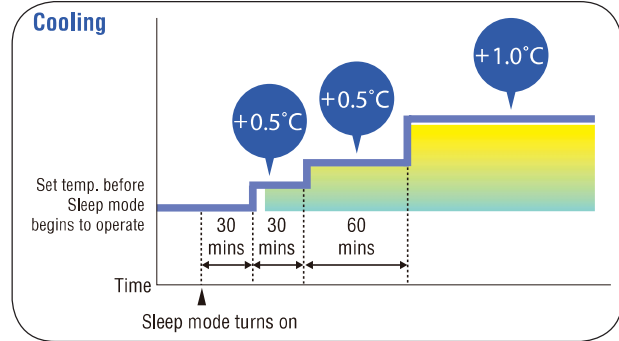
Auto Restart with Last-State-Memory

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).



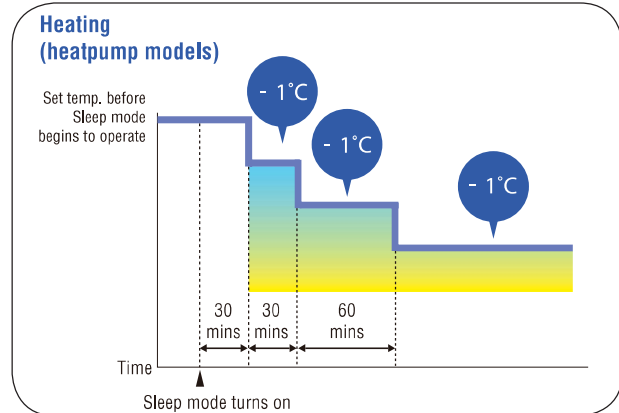
Sleep Mode

Pressing the Sleep button activates the Sleep Mode. This function prevents excessive cooling/heating for a pleasant sleep.



Cooling operation:

- 1) After 30 minutes, room temperature is raised by 0.5°C.
- 2) After 60 minutes, room temperature is raised by 0.5°C.
- 3) After 120 minutes, room temperature is raised by 1°C.



Heating operation:

- 1) After 30 minutes, room temperature is reduced by 1°C.
- 2) After 60 minutes, room temperature is reduced by 1°C.
- 3) After 120 minutes, room temperature is reduced by 1°C.



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Specification for ceiling exposed

Indoor model name				FWE05E	FWE06E	FWE07E	FWE08E	FWE10E	FWE12E
Nominal cooling capacity			Btu/hr	15500	20300	21000	25000	34000	47000
			W	4540	5950	6150	7330	9960	13770
Nominal sensible cooling capacity			Btu/hr	12700	15400	16150	19250	25500	32900
			W	3720	4510	4730	5640	7470	9640
Nominal heating capacity (entering water temperature: 50°C)			Btu/hr	19500	25000	28000	35000	47000	59000
			W	5720	7330	8210	10260	13770	17290
Nominal total input power			W	86	135	160	148	197	225
Nominal running current			A	0.38	0.67	0.79	0.65	0.87	0.99
Power source			V/Ph/Hz	220-240 / 1 / 50					
Indoor	Control	Air discharge	Automatic louver (up & down)						
		Operation							
	Airflow (H/M/L)	CFM	520 / 460 / 406	580 / 530 / 490	640 / 560 / 460	840 / 750 / 660	1120 / 980 / 860	1230 / 1090 / 990	
	Nominal water flow rate	USGPM	3.43	4.49	4.67	5.77	7.71	10.17	
		liters/min	13	17	17.68	21.85	29.19	38.53	
	Head loss (Cooling)	kPa	27	48	57	36	50	67	
	Head loss (Heating): 50°C	kPa	24	42	50	32	45	58	
	Max. working pressure	kPa	1608						
	Surface air velocity	m/s	0.91	1.02	1.12	1.50	1.63	1.50	
	Sound pressure level (H/M/L)	dBA	45 / 38 / 36	48 / 43 / 39	49 / 46 / 41	48 / 47 / 44	52 / 47 / 46	52 / 50 / 49	
	Unit dimension (HxWxD)	mm	212 X 1090 X 630			259 X 1320 X 635	259 X 1538 X 635	259 X 1786 X 635	
	Packing dimension (HxWxD)	mm	297 X 1197 X 740			348 X 1393 X 734	348 X 1612 X 734	348 X 1860 X 734	
	Unit weight	kg	27			41	46	53	
	Condensate drain size	mm	19.05						
	Pipe connection	mm	12.70 BSP female thread adaptor			19.05 BSP female thread adaptor			
	Fan	Type	Blower						
		Drive							
	Fan speed (H/M/L)	RPM	1120 / 990 / 890	1300 / 1100 / 930	1400 / 1200 / 1000	1235 / 1120 / 1010	1300 / 1170 / 1090	1310 / 1170 / 1050	
	Fan motor	Type	Permanent split capacitor (Induction)						
		Index of Protection (IP)							
		Insulation grade	B						
		Rated input power (H/M/L)							
		Rated running current (H/M/L)	A	0.38 / 0.26 / 0.23	0.67 / 0.45 / 0.39	0.79 / 0.52 / 0.44	0.65 / 0.61 / 0.55	0.87 / 0.74 / 0.67	0.99 / 0.84 / 0.76
		Starting current	A	1.10	1.20	1.30	1.15	1.54	1.88
Motor output		W	50	65	70	92	118	149	
Poles		4							
Coil	Tube	Material	Copper						
		Diameter (mm)							
	Fin	Material	Aluminium						
		Face area (m²)							
		Row	3					4	
	Water volume	liter	1.41		1.23	1.48	2.37		
Air quality	Filter type	Washable saranet filter							
	Filter quantity								pc
Casing			Colour	White			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-pipe system)
Leaving water temperature	12°C	-

All specifications are subjected to change by the manufacturer without prior notice.