

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 SUBJECT 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



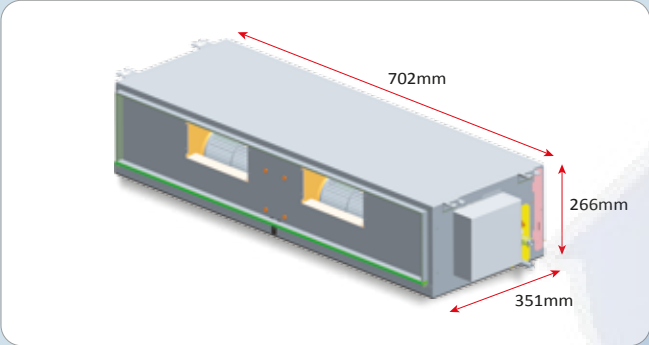
Excellent Air Distribution

The air can be distributed evenly to every corner of the room through ducting. This not only presents a comfortable 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

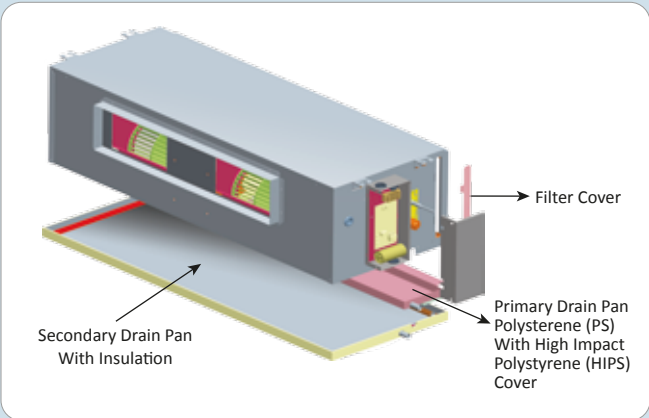
From 3kW to 16kW.

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 possibilities.



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

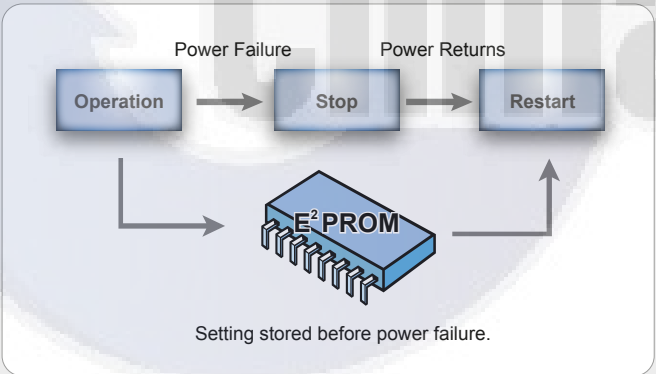
Ability to detect and diagnose faults and display as error code in the wired controller.

NIM-Able

Able to communicate with the versatile NIM networking control module and offers the opportunity 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



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



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			
CONTROL	AIR DISCHARGE OPERATION			DUCTED			
				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					
		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		9.52			
	FIN	MATERIAL		ALUMINIUM			
		FACE AREA		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		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 SUBJECT 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 OPERATION		DUCTED				
					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 DRIVE		BLOWER					
				DIRECT					
FAN SPEED		HIGH	RPM	1240	1320	1390	1460		
		MEDIUM	RPM	1110	1120	1270	1350		
		LOW	RPM	1000	980	1140	1260		
FAN MOTOR	TYPE INDEX OF PROTECTION (IP) INSULATION GRADE		INDUCTION IP20 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 DIAMETER		mm		COPPER			
						9.52			
	FIN	MATERIAL FACE AREA		m²		ALUMINIUM			
						0.28			
						3			
ROW		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)

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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

