



Concealed ceiling unit with medium ESP

FWB-BT

AC fan motor unit for horizontal concealed mounting

- › Compact dimensions, can easily be mounted in a narrow ceiling void (unit height: 240mm)
- › 3, 4 or 6 stage row cooling coil
- › Drain pan to collect the condensate from: heat exchanger and regulating valves
- › 7-speed electrical motors (with thermal protection on windings)
- › All 7 speeds pre-wired in the factory in the terminal block of the switch box
- › The air filter can easily be removed for cleaning

FWB-BT



			FWB-BT	02	03	04	05	06	07	08	09	10		
Cooling capacity	Total capacity	High	kW	2.61 (1)	3.14 (1)	3.49 (1)	5.08 (1)	5.45 (1)	6.47 (1)	7.57 (1)	8.67 (1)	10.34 (1)		
		Low	kW	1.34 (1)	1.50 (1)	1.67 (1)	2.12 (1)	2.43 (1)	2.67 (1)	4.18 (1)	4.64 (1)	5.35 (1)		
	Sensible capacity	High	kW	1.88 (1)	2.16 (1)	2.34 (1)	3.6 (1)	3.87 (1)	4.4 (1)	5.23 (1)	5.96 (1)	6.9 (1)		
		Low	kW	0.95 (1)	1.02 (1)	1.1 (1)	1.52 (1)	1.67 (1)	1.78 (1)	2.95 (1)	3.21 (1)	3.57 (1)		
Heating capacity	2-Pipe	High	kW	5.47 (2)	6.01 (2)	6.47 (2)	10.31 (2)	11.39 (2)	12.28 (2)	15.05 (2)	16.85 (2)	18.78 (2)		
		Low	kW	2.77 (2)	2.91 (2)	3.00 (2)	4.56 (2)	4.77 (2)	4.94 (2)	8.63 (2)	9.29 (2)	9.85 (2)		
	4-Pipe	High	kW		3.14 (2)			5.99 (2)				12.8 (2)		
		Low	kW		1.95 (2)			3.38 (2)				7.67 (2)		
Power input	High	W		79			154				294			
	Low	W		28			64				155			
Dimensions	Unit	Height	mm				239							
		Width	mm	1,039				1,389			1,739			
		Depth	mm					609						
Weight	Unit	kg	23	24	26	31	33	35	43	45	48			
	Operation weight	kg	24	26	28	33	35	38	45	48	52			
Heat exchanger	Water volume	l	1.1	1.5	2.2	1.6	2.1	3.2	2.1	2.8	4.2			
Additional heat exchanger	Water volume	l		0.4			0.6				1.7			
Water flow	Cooling	l/h	448	539	598	873	936	1,111	1,299	1,488	1,774			
	Heating	l/h	480	527	567	904	999	1,077	1,319	1,479	1,647			
	Additional heat exchanger	l/h		275			526				1,123			
Water pressure drop	Cooling	kPa	8	14	11	15	8	14	21		26			
	Heating	kPa	7	10	8	12	7	10	16	15	18			
	Additional heat exchanger	kPa		3			5				8			
Fan	Type	Centrifugal - forward blades - directly coupled on fan motor												
	Quantity		1			2			3			3		
	Air flow rate	High	m ³ /h	400			800			1,200				
		Low	m ³ /h	180			300			600				
Available pressure	High	Pa	71			65			59			59		
Sound power level	High	dB(A)	56			59			57.5			69		
Sound pressure level	High	dB(A)	44.5			47.5			57.5					
Electric heater	Power input	kW	2			2.5			3					
Piping connections	Drain	OD	mm			16								
Water connections	Std. heat exchanger	inch				3/4								
	Add. heat exchanger	inch				3/4						1		
Power supply	Phase/Frequency/Voltage	Hz/V				1~/50/230								
Current input	High	A	0.36			0.73			1.28					
	Medium	A	0.21			0.60			0.90					
	Low	A	0.14			0.33			0.70					
Control systems	Wired remote control		FWEC1A / FWEC2A / FWEC3A											

(1) Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C (2) Heating: 2 pipe: air 20°CDB; entering water 70°C; leaving water 60°C

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