



# 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
			mm									
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	2										
	Air flow rate	High	m <sup>3</sup> /h	400				800				1,200
		Low	m <sup>3</sup> /h	180				300				600
Available pressure	High	Pa	71				65				59	
Sound power level	High	dB(A)	56				59				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					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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