

Fan Coil Units FWE-FT/FF



Concealed ceiling unit with low ESP

- AC fan motor unit for horizontal concealed mounting
- Easy installation and maintenance
- 4-speed fan motor
- Wired electronic controllers range
- Available static pressure up to 80Pa
- Wide operating range
- Standard left and right side water connection
- Additional drain pan as standard
- G2 plastic frame filter (optional)
- Open protocol control
- Factory mounted valve available as option
- Reduced sound noise thanks to the thinner heat exchanger



Indoor Unit				FWE-FF	04FF	05FF	06FF	08FF	10FF	12FF	14FF	16FF	20FF	24FF	
Cooling capacity (standard conditions)	Total capacity 4-pipe	High		kW	2.01 (1)	2.40 (1)	3.40 (1)	4.20 (1)	4.69 (1)	5.39 (1)	6.97 (1)	7.98 (1)	10.00 (1)	11.30 (1)	
		Medium		kW	1.69 (1)	1.99 (1)	3.04 (1)	3.31 (1)	4.18 (1)	4.84 (1)	6.60 (1)	7.19 (1)	8.51 (1)	10.13 (1)	
		Low		kW	1.37 (1)	1.61 (1)	2.29 (1)	2.19 (1)	3.28 (1)	3.35 (1)	5.77 (1)	5.81 (1)	6.79 (1)	7.51 (1)	
		Fan speed 1		kW	0.90 (1)	1.10 (1)	1.76 (1)	1.30 (1)	2.21 (1)	2.25 (1)	4.79 (1)	5.03 (1)	5.50 (1)	6.09 (1)	
	Sensible capacity 4-pipe	High		kW	1.56 (1)	1.93 (1)	2.74 (1)	3.28 (1)	3.71 (1)	4.27 (1)	5.63 (1)	6.63 (1)	8.28 (1)	9.47 (1)	
		Medium		kW	1.29 (1)	1.57 (1)	2.43 (1)	2.48 (1)	3.24 (1)	3.79 (1)	5.10 (1)	5.85 (1)	6.88 (1)	8.47 (1)	
		Low		kW	1.02 (1)	1.21 (1)	1.83 (1)	1.62 (1)	2.54 (1)	2.58 (1)	4.24 (1)	4.35 (1)	5.28 (1)	5.91 (1)	
		Fan speed 1		kW	0.67 (1)	0.81 (1)	1.37 (1)	0.95 (1)	1.65 (1)	1.69 (1)	3.51 (1)	3.72 (1)	4.17 (1)	4.67 (1)	
	Latent capacity 4-pipe	High		kW	0.45 (1)	0.47 (1)	0.66 (1)	0.92 (1)	0.99 (1)	1.12 (1)	1.34 (1)	1.35 (1)	1.72 (1)	1.82 (1)	
Heating capacity (standard conditions)	Capacity 4-pipe	High		kW	2.38 (2)	2.45 (2)	3.23 (2)	4.80 (2)	5.20 (2)	6.45 (2)	6.75 (2)	7.60 (2)	9.60 (2)	11.10 (2)	
		Medium		kW	2.00 (2)	2.06 (2)	2.90 (2)	3.79 (2)	4.43 (2)	5.47 (2)	6.15 (2)	6.75 (2)	7.94 (2)	10.00 (2)	
		Low		kW	1.66 (2)	1.72 (2)	2.21 (2)	2.65 (2)	3.33 (2)	3.50 (2)	4.93 (2)	5.84 (2)	6.98 (2)		
		Fan speed 1		kW	1.21 (2)	1.25 (2)	1.72 (2)	1.82 (2)	2.27 (2)	2.38 (2)	3.65 (2)	4.14 (2)	4.97 (2)		
Power input	High		kW	0.054 (3)		0.076 (3)	0.094 (3)	0.109 (3)	0.122 (3)	0.170 (3)	0.189 (3)	0.176 (3)	0.224 (3)		
	Medium		kW	0.04 (3)		0.06 (3)	0.07 (3)	0.08 (3)		0.14 (3)		0.13 (3)	0.15 (3)		
	Low		kW	0.04 (3)		0.05 (3)	0.06 (3)	0.07 (3)		0.12 (3)		0.11 (3)	0.13 (3)		
Casing	Colour			Metal											
Decoration panel	Dimensions	Unit	HeightxWidthxDepth	mm	253x728x570				253x1,087x570			253x1,362x570		253x1,677x570	
Fan	Type				Centrifugal (Blade: Forward - curve)										
	Air flow rate	High		m³/h	465 (3)		638 (3)	854 (3)	931 (3)	1,082 (3)	1,467 (3)	1,692 (3)	1,707 (3)	1,990 (3)	
		Medium		m³/h	379 (3)		555 (3)	668 (3)	805 (3)	931 (3)	1,314 (3)	1,467 (3)	1,382 (3)	1,751 (3)	
		Low		m³/h	307 (3)		400 (3)	467 (3)	620 (3)		1,021 (3)		1,001 (3)	1,184 (3)	
		Fan speed 1		m³/h	216 (3)		301 (3)	325 (3)	436 (3)		730 (3)		714 (3)	855 (3)	
Total sound power level	High			dBA	49.0 (4)	50.0 (4)	59.0 (4)	55.0 (4)	57.0 (4)	61.0 (4)		64.0 (4)	59.0 (4)	64.0 (4)	
	Medium			dBA	45.0 (4)		56.0 (4)	49.0 (4)	54.0 (4)	58.0 (4)		61.0 (4)	54.0 (4)	61.0 (4)	
	Low			dBA	40.0 (4)		48.0 (4)	41.0 (4)	49.0 (4)		52.0 (4)		48.0 (4)	51.0 (4)	
	Fan speed 1			dBA	32.0 (4)	33.0 (4)	41.0 (4)	35.0 (4)	43.0 (4)		45.0 (4)		43.0 (4)	44.0 (4)	
Sound pressure level	High			dBA	38.0 (5)	39.0 (5)	48.0 (5)	44.0 (5)	46.0 (5)	50.0 (5)		53.0 (5)	48.0 (5)	53.0 (5)	
	Medium			dBA	34.0 (5)		45.0 (5)	38.0 (5)	43.0 (5)	47.0 (5)		50.0 (5)	43.0 (5)	50.0 (5)	
	Low			dBA	29.0 (5)		37.0 (5)	30.0 (5)	38.0 (5)		41.0 (5)		37.0 (5)	40.0 (5)	
	Fan speed 1			dBA	21.0 (5)	22.0 (5)	30.0 (5)	24.0 (5)	32.0 (5)		34.0 (5)		32.0 (5)	33.0 (5)	
Water flow	Cooling	High		l/h	346 (1)	413 (1)	585 (1)	722 (1)	807 (1)	927 (1)	1,198 (1)	1,372 (1)	1,719 (1)	1,943 (1)	
		Medium		l/h	291 (1)	342 (1)	522 (1)	569 (1)	718 (1)	832 (1)	1,135 (1)	1,237 (1)	1,464 (1)	1,742 (1)	
		Low		l/h	236 (1)	277 (1)	394 (1)	377 (1)	563 (1)	576 (1)	992 (1)	998 (1)	1,168 (1)	1,292 (1)	
		Fan speed 1		l/h	155 (1)	189 (1)	303 (1)	224 (1)	380 (1)	388 (1)	823 (1)	865 (1)	947 (1)	1,047 (1)	
	Heating	High		l/h	504 (2)	517 (2)	686 (2)	919 (2)	995 (2)	1,233 (2)	1,277 (2)	1,420 (2)	1,790 (2)	2,073 (2)	
Water flow	Heating	Medium		l/h	424 (2)	435 (2)	615 (2)	753 (2)	847 (2)	1,045 (2)	1,171 (2)	1,277 (2)	1,504 (2)	1,890 (2)	
		Low		l/h	353 (2)	361 (2)	469 (2)	547 (2)	637 (2)	669 (2)	948 (2)		1,142 (2)	1,344 (2)	
		Fan speed 1		l/h	256 (2)	262 (2)	365 (2)	384 (2)	434 (2)	456 (2)	700 (2)		849 (2)	954 (2)	

(1) Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB | (2) Heating: indoor temp. 20°C DB, 15°C WB; entering water temp. 45°C, water temperature drop 5K. | (3) Airflow value measurements are performed at 20°C (DB)/15°C (WB) condition. | (4) Sound power level according to ISO3741 | (5) The sound pressure level is measured via a microphone at 1m distance of the unit.



CLIMATE DESIGN D.O.O. Javorska 6, 11226 Beograd,
Tel: +38162290789, +38162290599
E-mail: veleprodaja@climatedesign.rs, www.climatedesign.rs

