

# Concealed ceiling unit with medium ESP

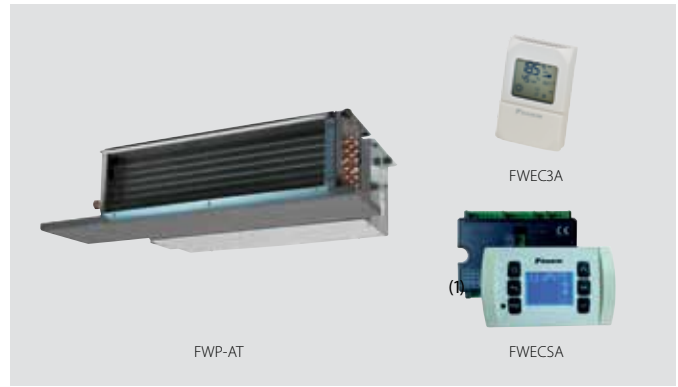
FWP-AT



BLDC fan motor unit for horizontal concealed mounting.  
Continuous air flow regulation and fan speed modulation

- › Blends unobtrusively with any interior décor: only the suction and discharge grills are visible
- › Up to 50% energy savings with brushless DC motor technology compared to traditional technology
- › Instant adjustment to temperature and relative humidity changes
- › Low operating sound level
- › Highly flexible solutions: multiple sizes, piping topologies and connection valves
- › Available static pressure up to 70 Pa

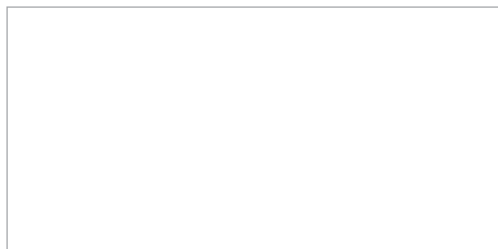
# FWP-AT



FWP-AT				02	03	04	05	06	07
				<b>2-pipe</b>					
Cooling capacity (standard conditions)	Latent capacity	Fan speed 7	kW	0.67(1)	0.92(1)	1.06(1)	1.35(1)	1.41(1)	1.87(1)
		Fan speed 1	kW	0.95(1) / 1.35(1)	1.03(1) / 1.51(1)	1.11(1) / 1.69(1)	1.62(1) / 2.23(1)	1.79(1) / 2.58(1)	1.92(1) / 2.86(1)
	Sensible capacity / Total capacity	Fan speed 2	kW	1.02(1) / 1.38(1)	1.17(1) / 1.70(1)	1.23(1) / 1.83(1)	1.82(1) / 2.52(1)	1.88(1) / 2.55(1)	2.15(1) / 3.15(1)
		Fan speed 3	kW	1.10(1) / 1.50(1)	1.25(1) / 1.83(1)	1.32(1) / 1.97(1)	2.20(1) / 3.07(1)	2.22(1) / 2.97(1)	2.55(1) / 3.75(1)
		Fan speed 4	kW	1.29(1) / 1.77(1)	1.47(1) / 2.14(1)	1.56(1) / 2.33(1)	2.69(1) / 3.79(1)	2.79(1) / 3.87(1)	3.19(1) / 4.71(1)
		Fan speed 5	kW	1.41(1) / 1.95(1)	1.61(1) / 2.35(1)	1.72(1) / 2.57(1)	2.82(1) / 3.97(1)	2.94(1) / 4.10(1)	3.36(1) / 4.96(1)
		Fan speed 6	kW	1.53(1) / 2.12(1)	1.85(1) / 2.70(1)	1.99(1) / 2.98(1)	2.91(1) / 4.11(1)	3.06(1) / 4.28(1)	3.49(1) / 5.15(1)
		Fan speed 7	kW	1.71(1) / 2.38(1)	1.96(1) / 2.88(1)	2.13(1) / 3.19(1)	3.23(1) / 4.58(1)	3.44(1) / 4.85(1)	3.93(1) / 5.80(1)
Heating capacity (standard conditions)	Capacity	Fan speed 1	kW	1.40(2)	1.48(2)	1.53(2)	2.46(2)	2.59(2)	2.74(2)
		Fan speed 2	kW	1.56(2)	1.67(2)	1.74(2)	2.71(2)	2.96(2)	3.12(2)
		Fan speed 3	kW	1.68(2)	1.80(2)	1.88(2)	3.23(2)	3.45(2)	3.64(2)
		Fan speed 4	kW	1.93(2)	2.08(2)	2.19(2)	3.93(2)	4.25(2)	4.53(2)
		Fan speed 5	kW	2.11(2)	2.29(2)	2.42(2)	4.10(2)	4.45(2)	4.76(2)
		Fan speed 6	kW	2.27(2)	2.62(2)	2.80(2)	4.24(2)	4.61(2)	4.95(2)
		Fan speed 7	kW	2.54(2)	2.80(2)	3.00(2)	4.71(2)	5.15(2)	5.56(2)
		Power input	Fan speed 1	kW		0.01			0.02
Fan speed 2	kW			0.01			0.02		
Fan speed 3	kW			0.02			0.03		
Fan speed 4	kW			0.02			0.05		
Fan speed 5	kW			0.03			0.05		
Fan speed 6	kW			0.033			0.065		
Fan speed 7	kW			0.046			0.076		
FCEER							A		
FCCOP							A		
Dimensions	Unit	Height x Width x Depth	mm	551 x 1,040 x 239			551 x 1,390 x 239		
Weight	Unit		kg	26.0	27.0	29.0	35.0	37.0	39.0
Heat exchanger	Water volume		l	1	2			3	
Water flow	Cooling/Heating	Fan speed 1	l/h	219 / 242	256 / 256	283 / 265	318 / 372	400 / 448	465 / 469
		Fan speed 2	l/h	238 / 272	294 / 290	316 / 302	436 / 472	440 / 515	544 / 542
		Fan speed 3	l/h	259 / 292	318 / 313	342 / 327	533 / 562	516 / 600	649 / 634
		Fan speed 4	l/h	307 / 335	372 / 362	403 / 381	659 / 684	647 / 739	817 / 789
		Fan speed 5	l/h	340 / 367	410 / 399	448 / 422	690 / 713	712 / 774	859 / 828
		Fan speed 6	l/h	369 / 395	471 / 456	519 / 487	715 / 738	744 / 802	894 / 860
		Fan speed 7	l/h	418 / 442	502 / 486	555 / 521	799 / 819	847 / 898	1,009 / 969
		Fan	Type	Centrifugal					
Quantity	1				2				
Air flow rate	Fan speed 1		m <sup>3</sup> /h	184		283		331	
	Fan speed 2		m <sup>3</sup> /h	210		371		385	
	Fan speed 3		m <sup>3</sup> /h	228				455	
	Fan speed 4		m <sup>3</sup> /h	267				576	
	Fan speed 5		m <sup>3</sup> /h	297				607	
	Fan speed 6		m <sup>3</sup> /h	324	345				633
	Fan speed 7	m <sup>3</sup> /h	371				722		
Air filter	Type	Acrylic fiber - Filtering class G2 (G3 on request)							
Total sound power level /	Fan speed 1	dBA	36(1) / 31 (2)			38(1) / 33 (2)		39 (3) / 34 (4)	
	Fan speed 2	dBA	40 (3) / 35 (4)					43 (3) / 38 (4)	
Sound pressure level	Fan speed 3	dBA	43 (3) / 38 (4)					47 (3) / 42 (4)	
	Fan speed 4	dBA	46 (3) / 41 (4)					52 (3) / 47 (4)	
	Fan speed 5	dBA	50 (3) / 45 (4)					54 (3) / 49 (4)	
	Fan speed 6	dBA	52 (3) / 47 (4)					56 (3) / 51 (4)	
	Fan speed 7	dBA	58 (3) / 53 (4)					60 (3) / 55 (4)	
Electric heater	Power input	kW	2.0					2.5	
Piping connections	Drain	OD				17			
Power supply	Phase/Frequency	Hz/V				1~/50			

(1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K. (2) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K. (3) Sound power level according to ISO3741 (4) The sound pressure level is measured via a microphone at 1m distance of the unit.

**Daikin Europe N.V.** Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN17-489

05/17



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