



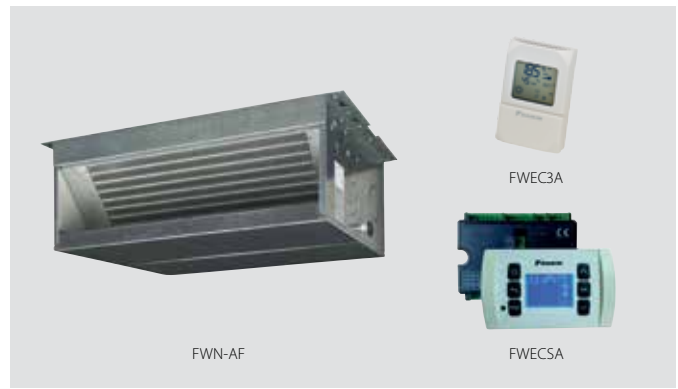
Ducted unit with high ESP

FWN-AF

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

- › Up to 70% 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
- › The air filter can easily be removed for cleaning

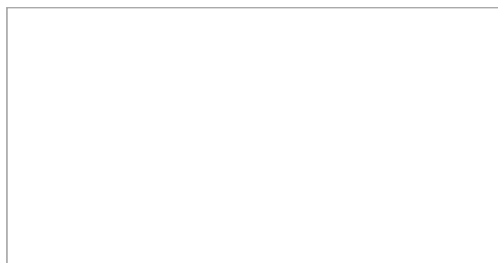
FWN-AF



FWN-AF					04	05	06	07	08	10
					4-pipe					
Cooling capacity	Total capacity	High		kW	3.88 (1) / 2.76 (3)	4.72 (1) / 3.60 (3)	6.06 (1) / 4.54 (3)	6.69 (1) / 5.17 (3)	7.70 (1) / 5.22 (3)	8.60 (1) / 6.12 (3)
		Medium		kW	3.51 (1) / 2.78 (3)	4.24 (1) / 3.51 (3)	5.70 (1) / 4.45 (3)	6.29 (1) / 5.04 (3)	6.92 (1) / 5.22 (3)	7.69 (1) / 5.99 (3)
		Low		kW	2.86 (1) / 2.46 (3)	3.40 (1) / 3.00 (3)	5.26 (1) / 4.24 (3)	5.81 (1) / 4.79 (3)	6.26 (1) / 5.02 (3)	6.90 (1) / 5.66 (3)
	Sensible capacity	High		kW	3.06 (1) / 1.94 (3)	3.64 (1) / 2.52 (3)	4.54 (1) / 3.02 (3)	5.11 (1) / 3.59 (3)	6.43 (1) / 3.95 (3)	6.96 (1) / 4.48 (3)
		Medium		kW	2.75 (1) / 2.02 (3)	3.24 (1) / 2.51 (3)	4.27 (1) / 3.02 (3)	4.78 (1) / 3.53 (3)	5.69 (1) / 3.99 (3)	6.15 (1) / 4.45 (3)
		Low		kW	2.22 (1) / 1.82 (3)	2.56 (1) / 2.16 (3)	3.94 (1) / 2.92 (3)	4.40 (1) / 3.38 (3)	5.09 (1) / 3.85 (3)	5.47 (1) / 4.23 (3)
Heating capacity	2-Pipe	High		kW	-					
		Low		kW	-					
	4-Pipe	High		kW	4.48 (4)	4.45 (4)	6.53 (4)	6.44 (4)	9.13 (4)	9.07 (4)
		Low		kW	3.70 (4)	3.69 (4)	5.98 (4)	5.93 (4)	8.01 (4)	7.98 (4)
Power input	High		W	112 (2)		152 (2)		248 (2)		
	Medium		W	73 (2)		125 (2)		170 (2)		
	Low		W	40 (2)		102 (2)		124 (2)		
FCEER				C		B		C		
FCCOP				B		C		C		
Weight	Unit			kg	-					
	2-pipe Unit			kg	32.5	33.3	40.6	41.7	47.3	48.7
	4-pipe Unit			kg	34.7	35.5	43.2	44.3	50.3	51.7
Water pressure drop	Cooling	High		kPa	17 (1)	14 (1)	23 (1)	19 (1)	23 (1)	15 (1)
	Heating	High		kPa	9 (4)		17 (4)	14 (4)	13 (4)	30 (4)
Water heat exchanger	Water flow rate	Cooling	High	l/min	11.10 (1)	13.50 (1)	17.33 (1)	19.13 (1)	22.03 (1)	24.60 (1)
			Medium	l/min	10.03 (1)	12.12 (1)	16.30 (1)	17.98 (1)	19.78 (1)	21.98 (1)
			Low	l/min	8.18 (1)	9.73 (1)	15.07 (1)	16.63 (1)	17.92 (1)	19.75 (1)
	Heating	High	l/min	6.55 (4)	6.52 (4)	9.55 (4)	9.43 (4)	13.35 (4)	13.27 (4)	
		Medium	l/min	6.15 (4)	6.12 (4)	9.18 (4)	9.08 (4)	12.48 (4)	12.43 (4)	
		Low	l/min	5.40 (4)		8.75 (4)	8.68 (4)	11.72 (4)	11.68 (4)	
Fan	Air flow rate	High		m ³ /h	794 (2)	784 (2)	1,212 (2)	1,179 (2)	1,573 (2)	1,550 (2)
		Low		m ³ /h	532 (2)	529 (2)	1,004 (2)	985 (2)	1,194 (2)	1,186 (2)
Sound power level	Total	High		dBA	66 (5)		69 (5)		72 (5)	
		Medium		dBA	61 (5)		64 (5)	63 (5)	67 (5)	
		Low		dBA	54 (5)		61 (5)	59 (5)	62 (5)	
	Inlet section + radiated	High		dBA	64 (5) / 64 (2)		66 (5) / 66 (2)		70 (5) / 70 (2)	
		Medium		dBA	59 (5) / 59 (2)		60 (5) / 60 (2)		64 (5) / 64 (2)	
		Low		dBA	52 (5) / 52 (2)		56 (5) / 56 (2)		60 (5) / 60 (2)	
	Outlet section	High		dBA	63 (5) / 63 (2)		65 (5) / 65 (2)		69 (5) / 69 (2)	
		Medium		dBA	58 (5) / 58 (2)		62 (5) / 62 (2)	59 (5) / 59 (2)	63 (5) / 63 (2)	
		Low		dBA	51 (5) / 51 (2)		59 (5) / 59 (2)	55 (5) / 55 (2)	58 (5) / 58 (2)	
Water connections	Primary coil			inch	3/4 _n					
	Additional coil			inch	3/4 _n					
Water content	Primary coil			dm ³	1.29	1.64	1.65	2.13	2.16	2.75
	Additional coil			dm ³	0.93		1.05		1.17	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					
Control systems	Wired remote control				FWEC3A / FWECSA					

(1) Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB (2) Reference: EN 1397; Eurovent certified data (3) Reference: UNI EN 3741 (4) Inlet water temperature 50 °C; same water flow as in cooling mode; inlet air temperature 20°C DB; Eurovent certified data (5) Inlet/outlet water temperature 70/60 °C; inlet air temperature 20°C DB (6) Eurovent certified data | FCEER and FCCOP are Eurovent certified data

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