

# Ducted unit with medium ESP

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
- › Available static pressure up to 70 Pa
- › The air filter can easily be removed for cleaning
- › Straight duct connector mounted to discharge side



FWN-AT/AF			04	05	06	07	08	10	04	05	06	07	08	10				
			2-pipe					4-pipe										
Cooling capacity	Total capacity	High	kW		3.91 (1) / 3.80 (2)	4.76 (1) / 4.65 (2)	6.17 (1) / 6.02 (2)	6.81 (1) / 6.66 (2)	7.83 (1) / 7.58 (2)	8.75 (1) / 8.50 (2)	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		3.54 (1) / 3.47 (2)	4.27 (1) / 4.20 (2)	5.77 (1) / 5.65 (2)	6.37 (1) / 6.25 (2)	7.01 (1) / 6.84 (2)	7.79 (1) / 7.62 (2)	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		2.87 (1) / 2.83 (2)	3.42 (1) / 3.38 (2)	5.33 (1) / 5.23 (2)	5.87 (1) / 5.77 (2)	6.32 (1) / 6.20 (2)	6.97 (1) / 6.85 (2)	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		3.09 (1) / 2.98 (2)	3.68 (1) / 3.57 (2)	4.63 (1) / 4.48 (2)	5.21 (1) / 5.06 (2)	6.55 (1) / 6.30 (2)	7.10 (1) / 6.85 (2)	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		2.77 (1) / 2.70 (2)	3.26 (1) / 3.19 (2)	4.32 (1) / 4.20 (2)	4.85 (1) / 4.73 (2)	5.77 (1) / 5.60 (2)	6.24 (1) / 6.07 (2)	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		2.23 (1) / 2.19 (2)	2.58 (1) / 2.54 (2)	3.99 (1) / 3.89 (2)	4.45 (1) / 4.35 (2)	5.14 (1) / 5.02 (2)	5.53 (1) / 5.41 (2)	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	High	kW		4.85 (4) / 8.22 (5)	5.79 (4) / 9.78 (5)	7.67 (4) / 13.02 (5)	8.65 (4) / 14.68 (5)	9.46 (4) / 15.98 (5)	10.70 (4) / 18.10 (5)	4.48 (4)	4.45 (4)	6.53 (4)	6.44 (4)	9.13 (4)	9.07 (4)			
	Low	kW		3.63 (4) / 6.16 (5)	4.24 (4) / 7.17 (5)	6.68 (4) / 11.31 (5)	7.49 (4) / 12.71 (5)	7.74 (4) / 13.10 (5)	8.70 (4) / 14.74 (5)	3.70 (4)	3.69 (4)	5.98 (4)	5.93 (4)	8.01 (4)	7.98 (4)			
Power input	High	W		112 (6)					152 (6)					248 (6)				
	Medium	W		73 (6)					125 (6)					170 (6)				
	Low	W		40 (6)					102 (6)					124 (6)				
FCEER			C		B		C					B		C				
FCCOP			B		A		B					C		C				
Weight	Unit	kg		32.5	33.3	40.6	41.7	47.3	48.7									
	2-pipe Unit 4-pipe Unit	kg							32.5	33.3	40.6	41.7	47.3	48.7				
Water pressure drop	Cooling	High	kPa		17 (6) / 17 (1)	14 (6) / 14 (1)	24 (6) / 24 (1)	19 (6) / 19 (1)	24 (6) / 24 (1)	16 (6) / 16 (1)	17 (1)	14 (1)	23 (1)	19 (1)	23 (1)	15 (1)		
		Heating	High	kPa		14 (4) / 15 (5)	12 (4) / 12 (5)	19 (4) / 21 (5)	15 (4) / 17 (5)	20 (4) / 20 (5)	13 (4) / 13 (5)	9 (4)	17 (4)	14 (4)	13 (4)	30 (4)		
Water heat exchanger	Water flow rate	Cooling	High	l/min		11.19 (1)	13.62 (1)	17.65 (1)	19.48 (1)	22.40 (1)	25.02 (1)	11.10 (1)	13.50 (1)	17.33 (1)	19.13 (1)	22.03 (1)	24.60 (1)	
			Medium	l/min		10.12 (1)	12.20 (1)	16.50 (1)	18.22 (1)	20.03 (1)	22.27 (1)	10.03 (1)	12.12 (1)	16.30 (1)	17.98 (1)	19.78 (1)	21.98 (1)	
	Heating	High	l/min		8.22 (1)	9.78 (1)	15.25 (1)	16.80 (1)	17.92 (1)	19.95 (1)	8.18 (1)	9.73 (1)	15.07 (1)	16.63 (1)	17.92 (1)	19.75 (1)		
		Medium	l/min		12.02 (5)	14.32 (5)	19.03 (5)	21.48 (5)	23.37 (5)	26.47 (5)	6.55 (4)	6.52 (4)	9.55 (4)	9.43 (4)	13.35 (4)	13.27 (4)		
	Fan	Air flow rate	High	m³/h		10.93 (5)	12.90 (5)	17.87 (5)	20.13 (5)	21.07 (5)	23.80 (5)	6.15 (4)	6.12 (4)	9.18 (4)	9.08 (4)	12.48 (4)	12.43 (4)	
			Low	m³/h		9.00 (5)	10.48 (5)	16.53 (5)	18.58 (5)	19.15 (5)	21.55 (5)	5.40 (4)	8.75 (4)	8.68 (4)	11.72 (4)	11.68 (4)		
Sound power level	Total	High	dBA		66 (3)	66 (3)	69 (3)	69 (3)	72 (3)	72 (3)	66 (5)	66 (5)	69 (5)	69 (5)	72 (5)	72 (5)		
		Medium	dBA		61 (3)	61 (3)	63 (3)	63 (3)	67 (3)	67 (3)	61 (5)	61 (5)	63 (5)	63 (5)	67 (5)	67 (5)		
		Low	dBA		54 (3)	54 (3)	59 (3)	59 (3)	62 (3)	62 (3)	54 (5)	54 (5)	59 (5)	59 (5)	62 (5)	62 (5)		
	Inlet section + radiated	High	dBA		64 (3) / 64 (6)	64 (3) / 64 (6)	66 (3) / 66 (6)	66 (3) / 66 (6)	70 (3) / 70 (6)	70 (3) / 70 (6)	64 (5) / 64 (2)	64 (5) / 64 (2)	66 (5) / 66 (2)	66 (5) / 66 (2)	70 (5) / 70 (2)	70 (5) / 70 (2)		
		Medium	dBA		59 (3) / 59 (6)	59 (3) / 59 (6)	60 (3) / 60 (6)	60 (3) / 60 (6)	64 (3) / 64 (6)	64 (3) / 64 (6)	59 (5) / 59 (2)	59 (5) / 59 (2)	60 (5) / 60 (2)	60 (5) / 60 (2)	64 (5) / 64 (2)	64 (5) / 64 (2)		
		Low	dBA		52 (3) / 52 (6)	52 (3) / 52 (6)	56 (3) / 56 (6)	56 (3) / 56 (6)	60 (3) / 60 (6)	60 (3) / 60 (6)	52 (5) / 52 (2)	52 (5) / 52 (2)	56 (5) / 56 (2)	56 (5) / 56 (2)	60 (5) / 60 (2)	60 (5) / 60 (2)		
	Outlet section	High	dBA		63 (3) / 63 (6)	63 (3) / 63 (6)	65 (3) / 65 (6)	65 (3) / 65 (6)	69 (3) / 69 (6)	69 (3) / 69 (6)	63 (5) / 63 (2)	63 (5) / 63 (2)	65 (5) / 65 (2)	65 (5) / 65 (2)	69 (5) / 69 (2)	69 (5) / 69 (2)		
		Medium	dBA		58 (3) / 58 (6)	58 (3) / 58 (6)	59 (3) / 59 (6)	59 (3) / 59 (6)	63 (3) / 63 (6)	63 (3) / 63 (6)	58 (5) / 58 (2)	58 (5) / 58 (2)	62 (5) / 62 (2)	62 (5) / 62 (2)	63 (5) / 63 (2)	63 (5) / 63 (2)		
		Low	dBA		51 (3) / 51 (6)	51 (3) / 51 (6)	55 (3) / 55 (6)	55 (3) / 55 (6)	58 (3) / 58 (6)	58 (3) / 58 (6)	51 (5) / 51 (2)	51 (5) / 51 (2)	55 (5) / 55 (2)	55 (5) / 55 (2)	58 (5) / 58 (2)	58 (5) / 58 (2)		
	Water connections	Primary coil	inch							3/4,,								
		Additional coil	inch							3/4,,								
	Water content	Primary coil	dm³		1.29	1.64	1.65	2.13	2.16	2.75	1.29	1.64	1.65	2.13	2.16	2.75		
Additional coil		dm³							0.93					1.05				
Power supply	Phase/Frequency/Voltage		1~/50/230															
Control systems	Wired remote control		FWEC3A / FWEC5A															

(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