

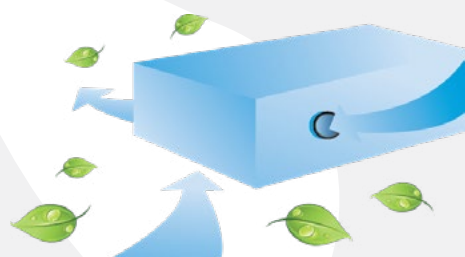


NØRDIS NFD
Duct Fan Coil Units

The NØRDIS Duct Fan Coil is a powerful and versatile device capable of operating within a wide range of static pressure. With convenient pipe connections, installation is flexible and straightforward, making it suitable for various locations. The integration of a DC brushless fan motor ensures high efficiency and low noise. Additionally, the device comes equipped with a standard return air collector featuring a filter, ensuring the supply of clean air and maintaining a stable airflow.

VARIOUS SELECTIONS:
accommodates a wide range of static pressure.

The Duct Unit allows fresh air to enter, enhancing the overall air quality in the room.



Thanks to the DC brushless fan motor, the device works extremely efficiently and quietly.

Standard return air filter for clean air supply and stable air flow.

Model		NFD-V200-4-2P	NFD-V300-4-2P	NFD-V400-4-2P	NFD-V500-4-2P
Power supply	V/F/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	441/297/227	627/468/338	778/537/349	884/642/461
	CFM	259/174/133	368/275/198	458/316/205	520/377/271
Standard external static pressure	Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling¹	Capacity (H/M/L)	kW	2.22/1.59/1.2	3.19/2.58/1.87	4.06/3.26/2.41
	Water flow rate (H/M/L)	m³/h	0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43
	Water pressure drop (H/M/L)	kPa	2.44/1.52/1	5.24/3.61/2.36	8.4/5.9/3.49
	Power input (H/M/L)	W	17-9-6	21-12-7	29/16/9
Heating²	Capacity (H/M/L)	kW	2.81/2/1.54	3.88/3.09/2.35	4.19/3.42/2.49
	Water flow rate (H/M/L)	m³/h	0.51/0.37/0.29	0.67/0.56/0.42	0.84/0.68/0.51
	Water pressure drop (H/M/L)	kPa	2/1.76/1.2	4.3/4.29/2.8	6.99/6.4/3.8
	Power input (H/M/L)	W	18-9-7	23/13/8	32/18/10
Heating³	Capacity (H/M/L)	kW	3.23/2.32/1.75	4.5/3.6/2.68	5.6/4.59/3.36
	Water flow rate (H/M/L)	m³/h	0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43
	Water pressure drop (H/M/L)	kPa	2.99/1.2/0.71	5.85/3.1/1.9	9.1/4.9/2.8
	Power input (H/M/L)	W	19-9-6	23/13/8	32/18/10
Sound power pressure (H/M/L)	0Pa (H/M/L)	dB(A)	37.3/27.4/22.2	39.6/32.5/25.0	41.1/34.5/26.4
Fan motor	Type	DC Motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1			
Coil	Row quantity	4	4	4	4
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø 952	Ø 952	Ø 952
Net dimensions (W×H×D)	mm	741×241×522	841×241×522	941×241×522	941×241×522
Packing size (W×H×D)	mm	790×260×555	890×260×560	990×260×560	990×260×560
Net weight	kg	17.8	20	21.9	21.9
Gross weight	kg	20.4	22.9	25.1	25.1
Water inlet/outlet pipe	Inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe	Inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4

Model		NFD-V600-4-2P	NFD-V800-4-2P	NFD-V1000-4-2P	NFD-V1200-4-2P
Power supply	V/F/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	1056/793/575	1506/1084/822	1813/1341/932	2134/1617/1119
	CFM	621/466/338	885/637/483	1066/788/548	1255/951/658
Standard external static pressure	Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling¹	Capacity (H/M/L)	kW	5.87/4.78/3.68	6.65/5.04/3.61	7.98/6.19/4.37
	Water flow rate (H/M/L)	m³/h	1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78
	Water pressure drop (H/M/L)	kPa	19.4/13.6/8.5	8.8/5.09/2.8	13.81/8.63/4.75
	Power input (H/M/L)	W	51/25/12	61/27/16	93/49/21
Heating²	Capacity (H/M/L)	kW	6.47/5.18/3.91	8.36/6.32/4.77	9.92/7.94/5.86
	Water flow rate (H/M/L)	m³/h	1.11/0.90/0.67	1.43/1.12/0.86	1.68/1.35/1.00
	Water pressure drop (H/M/L)	kPa	16.31/12.6/7.41	7.7/6.97/4.3	19.72/18.9/11.1
	Power input (H/M/L)	W	56/27/13	66/30/16	102/46/20
Heating³	Capacity (H/M/L)	kW	7.72/6.19/4.68	9.55/7.14/5.23	11.55/9/6.46
	Water flow rate (H/M/L)	m³/h	1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78
	Water pressure drop (H/M/L)	kPa	17.92/11.31/7	10.9/4.49/2.5	15.42/7.5/4.1
	Power input (H/M/L)	W	56/27/13	67/29/16	103/46/20
Sound power pressure (H/M/L)	0Pa (H/M/L)	dB(A)	46.1/39.4/30.7	47.4/39.1/32.1	50.4/42.7/33.1
Fan motor	Type	DC Motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2			
Coil	Row quantity	4	4	4	4
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø 952	Ø 952	Ø 952
Net dimensions (W×H×D)	mm	1161×241×522	1461×241×522	1566×241×522	1856×241×522
Packing size (W×H×D)	mm	1210×260×560	1510×260×560	1615×260×560	1905×260×560
Net weight	kg	25	34.8	36.4	41.9
Gross weight	kg	28.8	39.2	41.9	47.2
Water inlet/outlet pipe	Inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe	Inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4

Notes:

H:High fan speed; M: Medium fan speed; L: Low fan speed.

¹ Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

² Heating mode 1: (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

³ Heating mode 2: (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling).

⁴ Sound pressure level is tested in a semi-anechoic test room.

⁵ The external static pressure test condition is 0 Pa.