NØRDIS DUCT FAN COIL UNITS

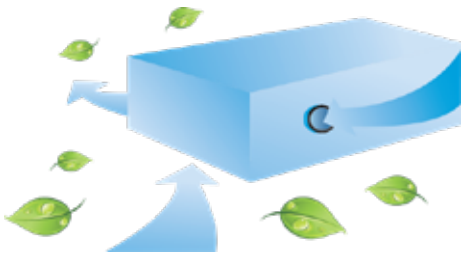
NØRDIS NFD Series

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.

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

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



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/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m^3/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			
Cooling[1]	Capacity (H/M/L)	kW	2.22/1.59/1.2	3.19/2.58/1.87	4.06/3.26/2.41	4.46/3.56/2.78
	Water flow rate (H/M/L)	m^3/h	0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43	0.80/0.63/0.50
	Water pressure drop (H/M/L)	kPa	2.44/1.52/1	5.24/3.61/2.36	8.4/5.9/3.49	11.6/8.1/5.6
	Power input (H/M/L)	W	17-9-6	21-12-7	29/16/9	43/23/14
Heating[2]	Capacity (H/M/L)	kW	2.81/2/1.54	3.88/3.09/2.35	4.19/3.42/2.49	5.44/4.23/3.23
	Water flow rate (H/M/L)	m^3/h	0.51/0.37/0.29	0.67/0.56/0.42	0.84/0.68/0.51	0.96/0.76/0.57
	Water pressure drop (H/M/L)	kPa	2/1.76/1.2	4.3/4.29/2.8	6.99/6.4/3.8	10.64/9.83/6.68
	Power input (H/M/L)	W	18-9-7	23/13/8	32/18/10	41/22/12
Heating[3]	Capacity (H/M/L)	kW	3.23/2.32/1.75	4.5/3.6/2.68	5.6/4.59/3.36	6.25/4.88/3.74
	Water flow rate (H/M/L)	m^3/h	0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43	0.80/0.63/0.50
	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	14.06/7.6/5.5
	Power input (H/M/L)	W	19-9-6	23/13/8	32/18/10	42/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	37.3/27.4/22.2	39.6/32.5/25.0	41.1/34.5/26.4	44.8/37.2/29.8
Fan motor	Type		DC Motor			
	Quantity		1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades			
	Quantity		1	2	2	2
Coil	Row		4	4	4	4
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6
	Diameter	mm	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
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/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m^3/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			
Cooling[1]	Capacity (H/M/L)	kW	5.87/4.78/3.68	6.65/5.04/3.61	7.98/6.19/4.37	9.76/7.81/5.72
	Water flow rate (H/M/L)	m^3/h	1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78	1.78/1.41/1.02
	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	22.31/15/8.98
	Power input (H/M/L)	W	51/25/12	61/27/16	93/49/21	109/50/22
Heating[2]	Capacity (H/M/L)	kW	6.47/5.18/3.91	8.36/6.32/4.77	9.92/7.94/5.86	11.76/9.32/6.76
	Water flow rate (H/M/L)	m^3/h	1.11/0.90/0.67	1.43/1.12/0.86	1.68/1.35/1.00	2.01/1.60/1.15
	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	20.04/16.93/9.62
	Power input (H/M/L)	W	56/27/13	66/30/16	102/46/20	119/55/24
Heating[3]	Capacity (H/M/L)	kW	7.72/6.19/4.68	9.55/7.14/5.23	11.55/9/6.46	14.34/11.31/8.3
	Water flow rate (H/M/L)	m^3/h	1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78	1.78/1.41/1.02
	Water pressure drop (H/M/L)	kPa	17.92/11.31/7	10.9/4.49/2.5	15.42/7.5/4.1	24.94/13.46/13.48
	Power input (H/M/L)	W	56/27/13	67/29/16	103/46/20	121/54/23
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/39.4/30.7	47.4/39.1/32.1	50.4/42.7/33.1	50.7/43.8/34.5
Fan motor	Type		DC Motor			
	Quantity		1	2	2	2
Fan	Type		Centrifugal, forward-curved blades			
	Quantity		2	4	4	4
Coil	Row		4	4	4	4
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6
	Diameter	mm	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
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/1 9°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 teperaure/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.