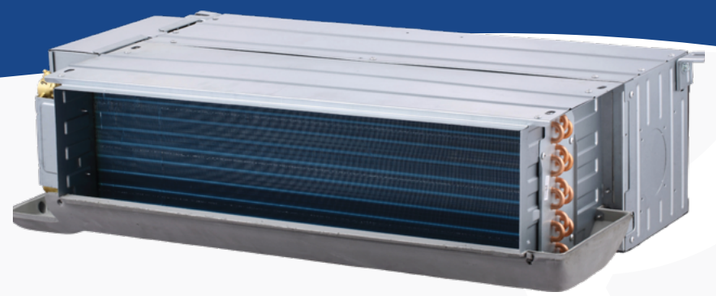
NØRDIS NFD2

DUCT FAN COIL UNITS

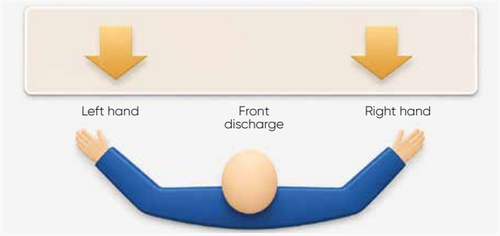


Updated 2nd Generation Duct – Enhanced Comfort and Efficiency

The new 2nd Generation ducted units combine greater installation flexibility, simplified connectivity and enhanced user convenience. Designed to adapt easily to different installation requirements, the new generation offers flexible piping and air inlet configurations, direct connection without an additional PCB Kit.

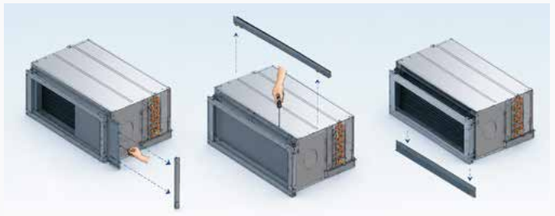
Flexible Installation

Optional left or right hand piping connections provide greater installation flexibility, making it easy to adapt the unit to different system layouts and site requirements. Note that connection side can be changed on-site during installation.



Washable Filters

A durable, iron-framed washable filter is supplied. Easy removal and cleaning simplify routine maintenance while helping to maintain efficient airflow and reliable unit performance.



New Control Solutions

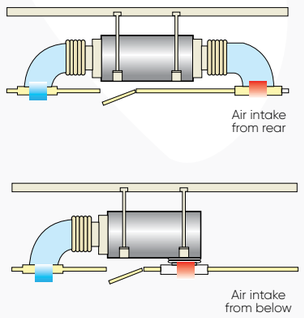
With the new 2nd generation duct, installation is now even simpler. The unit connects directly without the need for any additional interface boards, eliminating the previously required PCB Kit and making installation faster, easier, and more cost-efficient.

The 2nd generation ducted unit comes with a new controller for easier, more intuitive system control (sold separately).



Flexible Air Inlet Port Installation

The air inlet can be located on either the underside or rear of the unit to accommodate differing installation scenarios.



Model			NFD2-V200-3-2P	NFD2-V300-3-2P	NFD2-V400-3-2P	NFD2-V500-3-2P	NFD2-V600-3-2P
Power Supply	Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Airflow	Air flow (H/M/L)	m^3/h	374/301/228	550/421/307	734/584/436	800/622/456	1022/810/552
		CFM	220/177/134	324/248/181	432/344/256	471/366/268	601/476/325
Standard External Static Pressure (Default 12 Pa; adjustable to 30/50 Pa via PCB dial switch)			+	+	+	+	+
Cooling [1]	Capacity (H/M/L)	kW	2,45/2,05/1,59	3,35/2,89/2,21	4,25/3,69/2,88	4,55/3,92/2,97	5,85/4,88/3,66
	Water flow rate (H/M/L)	m^3/h	17,00/13,70/10,94	23,00/17,60/10,60	19,00/14,70/9,40	23,00/18,96/12,11	34,00/26,50/16,90
	Water pressure	kPa	0,41/0,35/0,28	0,59/0,49/0,37	0,76/0,63/0,49	0,80/0,67/0,54	1,00/0,84/0,65
	Power input (H/M/L)	W	17,0/12,0/8,0	22,0/14,0/9,0	32,0/21,0/13,0	35,0/22,0/13,0	590/34,0/18,0
Heating [2]	Capacity (H/M/L)	kW	2,68/2,24/1,83	3,95/3,25/2,51	5,00/4,31/3,36	5,50/4,38/3,20	6,90/5,66/4,21
	Water flow rate (H/M/L)	m^3/h	17,00/13,10/11,86	25,00/18,10/11,20	21,00/15,90/990	25,00/1993/11,95	38,00/28,70/18,60
	Water pressure	kPa	0,45/0,38/0,33	0,67/0,55/0,42	0,89/0,74/0,57	0,92/0,76/0,59	1,16/0,96/0,75
	Power input (H/M/L)	W	17,0/12,0/9,0	25,0/15,0/10,0	35,0/22,0/13,0	40,0/26,0/14,0	65,0/36,0/190
Sound level	Sound pressure level (H/M/L) [3]	dB(A)	39/33/25	37/31/22,5	43/37,5/30	45/39/31	49,5/43,5/34
	Sound power level (H/M/L)	dB(A)	53/47/40	56/46/39	57/51/44	58/53/45	64/58/49
Rated Current		A	0.2	0.3	0.4	0.4	0.6
Fan Motor	DC Type		+	+	+	+	+
	Quantity		1	1	1	1	1
Fan	Centrifugal, forward-curved blades		+	+	+	+	+
	Quantity		1	2	2	2	2
Coil	Row		3	3	3	3	3
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	7	7	7	7	7
Water Connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
	Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4
Dimensions and Weight	Body dimensions (W×H×D)	mm	632x243x482	773x243x482	908x243x482	908x243x482	1003x243x482
	Packing dimension (W×H×D)	mm	698x270x520	843x270x520	978x270x520	978x270x520	1073x270x520
	Net weight	kg	14	17,2	19,2	19,2	21,7
	Gross weight	kg	16	19,5	22,2	22,2	24,5

Model			NFD2-V700-3-2P	NFD2-V800-3-2P	NFD2-V1000-3-2P	NFD2-V1200-3-2P	NFD2-V1400-3-2P
Power Supply	Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Airflow	Air flow (H/M/L)	m^3/h	1190/1015/806	1400/1082/816	1650/1201/746	1750/1222/912	2250/1952/1675
		CFM	700/597/474	824/636/480	971/706/439	1029/719/537	1324/1148/985
Standard External Static Pressure (Default 12 Pa; adjustable to 30/50 Pa via PCB dial switch)			+	+	+	+	+
Cooling [1]	Capacity (H/M/L)	kW	6,50/6,04/5,09	8,02/6,65/5,37	9,05/7,10/4,97	10,08/7,25/6,02	11,11/10,58/9,77
	Water flow rate (H/M/L)	m^3/h	22,00/19,00/15,60	32,00/26,06/18,05	32,00/22,01/11,71	27,00/20,70/14,00	33,00/29,29/25,92
	Water pressure	kPa	1,19/1,05/0,91	1,36/1,17/0,94	1,58/1,26/0,88	1,69/1,44/1,16	2,02/1,84/1,71
	Power input (H/M/L)	W	70,0/48,0/30,0	67,0/40,0/22,0	114,0/50,0/18,0	110,0/51,0/28,0	110,0/85,0/62,0
Heating [2]	Capacity (H/M/L)	kW	7,60/6,96/5,81	9,40/7,36/5,82	11,00/8,02/5,41	11,83/8,32/6,78	12,67/11,98/10,59
	Water flow rate (H/M/L)	m^3/h	25,0/21,1/16,2	41,00/25,33/16,36	33,00/21,55/10,90	26,00/20,12/13,30	34,00/30,41/25,26
	Water pressure	kPa	1,38/1,22/1,05	1,53/1,26/0,98	1,78/1,36/0,92	1,94/1,64/1,30	2,23/2,04/1,84
	Power input (H/M/L)	W	75,0/52,0/33,0	70,0/42,0/22,0	119,0/54,0/19,0	119,0/54,0/29,0	119,0/90,0/64,0
Sound level	Sound pressure level (H/M/L) [3]	dB(A)	51/45/40	49,5/43/36	54,5/46/34	49,5/42,5/33,5	53/50/46,5
	Sound power level (H/M/L)	dB(A)	65/58/55	63/59/52	67/61/50	68/58/49	69/65/62
Rated Current		A	0,7	0,7	1	0,7	1
Fan Motor	DC Type		+	+	+	+	+
	Quantity		1	1	1	1	1
Fan	Centrifugal, forward-curved blades		+	+	+	+	+
	Quantity		2	3	3	4	4
Coil	Row		3	3	3	3	3
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	7	7	7	7	7
Water Connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
	Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4
Dimensions and Weight	Body dimensions (W×H×D)	mm	1178x243x482	1368x243x482	1368x243x482	1658x243x482	1898x243x482
	Packing dimension (W×H×D)	mm	1248x270x520	1438x270x520	1438x270x520	1728x270x520	1968x270x520
	Net weight	kg	23,5	27,7	27,7	33,8	37
	Gross weight	kg	26,8	30,7	30,7	38,3	41,5
Specifications are subject to change without notice. For actual device specifications, see the stickers on the device.							

Notes:

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

[1] Cooling conditions : water inlet 7°C, water outlet 12°C, entering air temperature 27°C DB/19°C WB, with air return plenum and filter;

[2] Heating conditions : water inlet 45°C, water outlet 40°C, entering air temperature 20°C DB, with air return plenum and filter;

[3] Sound pressure level is tested in the semi-anechoic room with background noise is 17.5dB (A), when the unit is without accessories and running in dry condition, at 1m below & 1m front the vertical center line of the unit with 1m outlet duct;

Air flow is tested under dry condition, 20°C DB, with air return plenum and filter;

Left and right unit can be changed in the field, but cooling should be multiplied with correction factor 0.9;

The airflow, cooling, and heating tests are all conducted at 0 Pa conditions, with air return plenum and filter;

All specifications are subject to change by the manufacturer without prior notice.