

Technical data

NFD2 Ducted



Model			NFD2-V200-3-2P	NFD2-V300-3-2P	NFD2-V400-3-2P	NFD2-V500-3-2P	NFD2-V600-3-2P	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	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)	m3/h	374/301/228	550/421/307	734/584/436	800/622/456	1022/810/552	1190/1015/806	1400/1082/816	1650/1201/746	1750/1222/912	2250/1952/1675
		CFM	220/177/134	324/248/181	432/344/256	471/366/268	601/476/325	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	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	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)	m3/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	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	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	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	17.0/12.0/8.0	22.0/14.0/9.0	32.0/21.0/13.0	35.0/22.0/13.0	59.0/34.0/18.0	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	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	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)	m3/h	17.00/13.10/11.86	25.00/18.10/11.20	21.00/15.90/9.90	25.00/19.93/11.95	38.00/28.70/18.60	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	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	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	17.0/12.0/9.0	25.0/15.0/10.0	35.0/22.0/13.0	40.0/26.0/14.0	65.0/36.0/19.0	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)	39/33/25	37/31/22.5	43/37.5/30	45/39/31	49.5/43.5/34	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)	53/47/40	56/46/39	57/51/44	58/53/45	64/58/49	65/58/55	63/59/52	67/61/50	68/58/49	69/65/62
Rated Current		A	0.2	0.3	0.4	0.4	0.6	0.7	0.7	1	0.7	1
Fan Motor	DC Type		+	+	+	+	+	+	+	+	+	+
	Quantity		1	1	1	1	1	1	1	1	1	1
Fan	Centrifugal, forward-curved blades		+	+	+	+	+	+	+	+	+	+
	Quantity		1	2	2	2	2	2	3	3	4	4
Coil	Row		3	3	3	3	3	3	3	3	3	3
	Max. Working pressure	MPa	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
	Diameter	mm	7	7	7	7	7	7	7	7	7	7
Water Connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
	Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4
Dimensions and Weight	Body dimensions (W×H×D)	mm	632x243x482	773x243x482	908x243x482	908x243x482	1003x243x482	1178x243x482	1368x243x482	1368x243x482	1658x243x482	1898x243x482
	Packing dimension (W×H×D)	mm	698x270x520	843x270x520	978x270x520	978x270x520	1073x270x520	1248x270x520	1438x270x520	1438x270x520	1728x270x520	1968x270x520
	Net weight	kg	14	17.2	19.2	19.2	21.7	23.5	27.7	27.7	33.8	37
	Gross weight	kg	16	19.5	22.2	22.2	24.5	26.8	30.7	30.7	38.3	41.5

[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;