



DC FAN COIL UNITS

YOUR COMFORT GUARANTEE

2025



LOW OPERATING COSTS. OPTIMAL ENERGY CONSUMPTION. LONG LIFE CYCLE.

NØRDIS DC Fan Coil Units are designed to be universally suitable for different environments and circumstances.

Four different types – 4-way Cassette units, duct units, wall-mounted units, and ceiling & floor units – are easily integrated into various indoor technical structures and additional equipped systems. The equipment in the range is ideal for a wide range of premises that require the highest air quality standards, including hospitals, offices, hotels, airports, and more.

NØRDIS DC Fan Coils are an economical and high-quality solution for various cooling and heating needs.

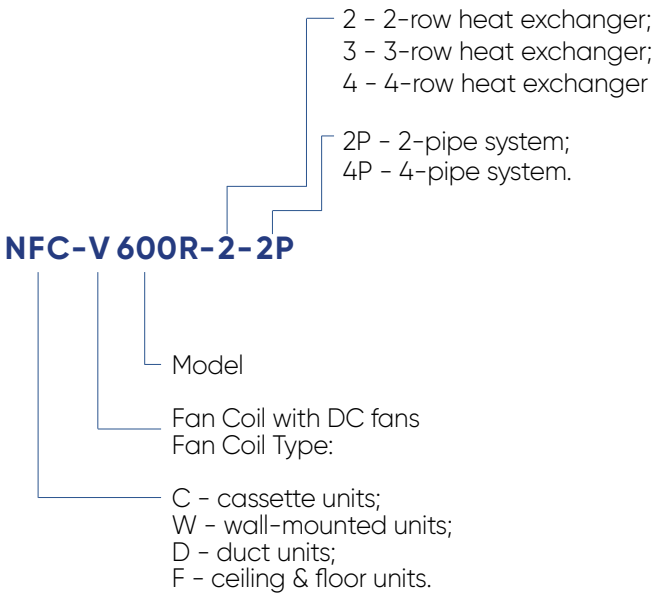


CONTENT

Features of NØRDIS Fan Coil Units	4
NØRDIS Fan Coil Unit Range	6
NØRDIS Cassette Fan Coil Units	8
NØRDIS Ducted Fan Coil Units	12
NØRDIS Wall-mounted Fan Coil Units	14
NØRDIS Floor-ceiling Fan Coil Units	16
NØRDIS Fan Coil Unit Dimensions	18
Smart Control Solutions	22



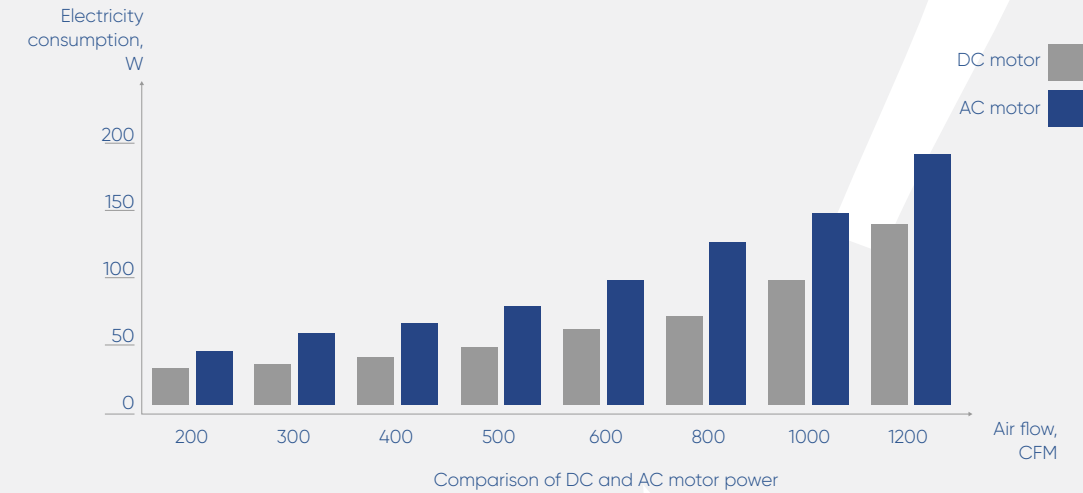
NOMENCLATURE





Features of NØRDIS Fan Coils

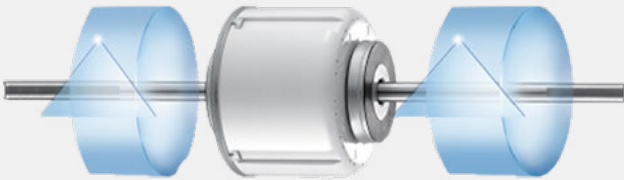
ECONOMY



COMPLY WITH CE REGULATION

The energy consumption of NØRDIS DC Fan Coils is up to 30% lower compared to the corresponding AC type device.

THE LATEST TECHNOLOGY

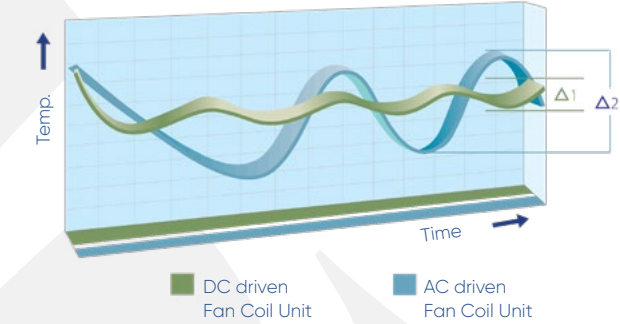


DC driven motor

DC BRUSHLESS FAN MOTOR

The latest in energy-efficient devices are carefully crafted with cutting-edge DC technology. These devices work precisely, guaranteeing not just lower energy usage but also quiet performance. The technology not only emphasizes sustainability but also sets new standards for comfort and efficiency.

COMFORT GUARANTEED



QUIET OPERATION

NØRDIS DC Fan Coil units are 2-5 dB (A) lower in noise compared to AC motor fan coil units, creating a quiet environment for work and rest.

CONSTANT LEVEL OF AIR TEMPERATURE

The NØRDIS DC Fan Coil motor adjusts the air flow according to the thermal load, instantly reducing temperature fluctuations and improving the living environment.



UNIVERSAL ADJUSTMENT



Cassette Fan Coil Unit



Wall-mounted Fan Coil Unit

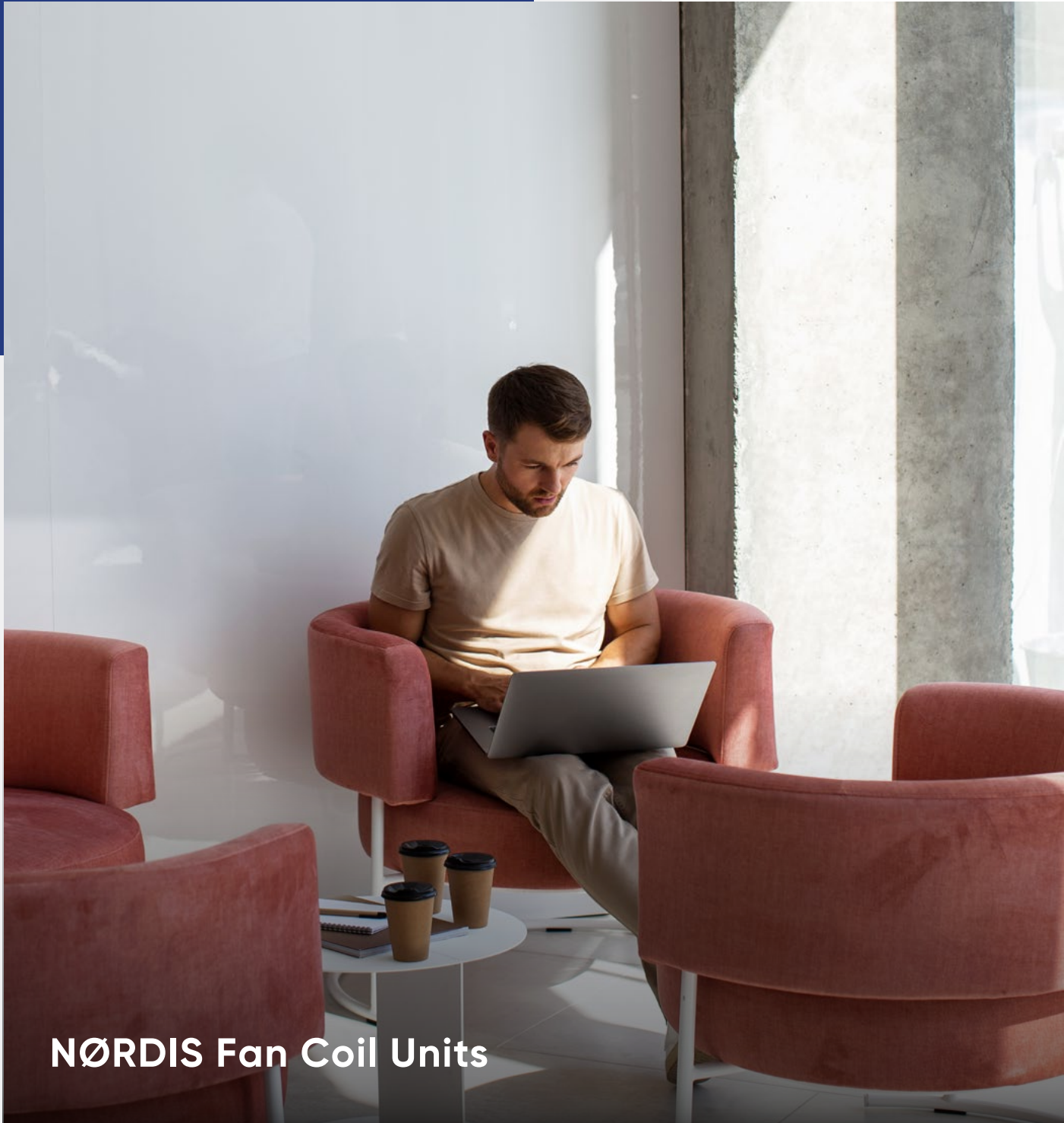


Duct Fan Coil Unit



Ceiling&Floor Fan Coil Unit

The range of NØRDIS DC Fan Coils includes four types of units: cassette unit, Ceiling&Floor unit, duct unit, and wall-mounted unit. The air volume ranges from 250 m³/h to 2500 m³/h. It is a versatile range, suitable for any residential, commercial, or public space.



NØRDIS Fan Coil Units



ONE OF THE MOST VERSATILE RANGES ON THE MARKET

- Four different types:**
- 4-way cassette units,
 - wall-mounted units,
 - duct units,
 - ceiling & floor units.

Fan Coils are easily integrated into various technical structures and additionally equipped systems.

With an airflow range of 250 m³/h to 2500 m³/h, the equipment in the range is perfect for a variety of environments that require the highest air quality standards, including hospitals, offices, hotels, airports, etc.

TYPES OF NØRDIS FAN COIL UNITS					Air volume (CFM)
Ceiling & Floor	Wall-mounted	Duct	Compact 4-way cassette	4-way cassette	
					150
					200
					250
					300
					350
					400
					450
					500
					600
					700
					750
					800
					850
					900
					950
					1000
					1200
					1500



NØRDIS NFC
Cassette Fan Coil Units



NØRDIS Cassette Fan Coils are advanced units designed for optimal performance, low noise level maintenance, and flexibility in installation and management. The innovative DC brushless fan motor not only ensures maximum comfort but also guarantees economical operation. Compared to traditional motors, it is extremely efficient, which reduces electricity consumption by up to 30%.

Due to the convenient design, the devices are easy to install and maintain.



STYLISH 360° PANEL
WITH LARGE AIRFLOW OUTLET

A WIDE SELECTION:
TWO MODELS OF DIFFERENT SIZES ARE AVAILABLE.

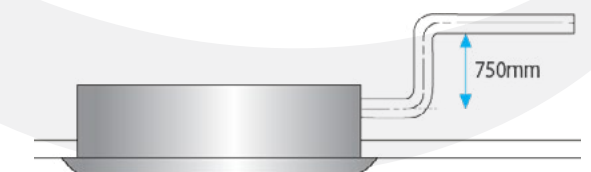
Compact size models:
NFC-V300
NFC-V400
NFC-V500

Standard size models:
NFC-V600R NFC-V950R
NFC-V750R NFC-V1200R
NFC-V850R NFC-V1500R

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

- Energy-saving: Reduces electricity consumption by up to 30%.
- Higher efficiency.
- Greater comfort: smaller fluctuations in temperature and relative humidity.
- Ultra-quiet operation.
- Lower wear and higher reliability.
- Longer motor life.

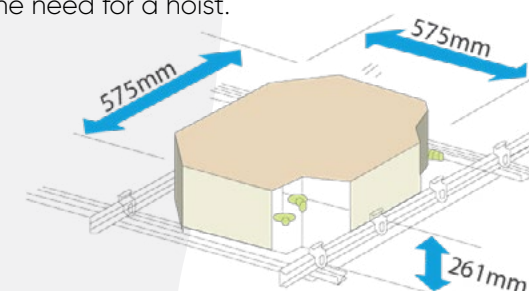
Includes drainage pump: standard built-in drain pump with 750 mm pump head for normal size and 500 mm for compact size.



Extended condensate tray for greater ceiling protection.

COMPACT DESIGN, EASY INSTALLATION

The extremely compact casing complements any room's decor and requires minimal space for installation, even on low ceilings. Thanks to its compact body and lightweight design, all models can be installed without the need for a hoist.



The cassette unit allows fresh air to enter, enhancing the overall air quality in the room.



Model			NFC-V300-2-2P	NFC-V400-2-2P	NFC-V500-2-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	535/429/322	610/477/381	781/611/494
		CFM	314/252/189	359/281/224	459/359/290
Cooling ¹	Capacity (H/M/L)	kW	2.98/2.53/2	3.96/3.26/2.76	4.2/3.48/3.01
	Water flow rate (H/M/L)	m³/h	0.53/0.45/0.35	0.7/0.58/0.51	0.75/0.61/0.54
	Water pressure drop (H/M/L)	kPa	10/7/5	11.48/8.2/6.54	12.32/8.62/7.4
	Power input (H/M/L)	W	15/9/5	28/15/9	43/28/21
Heating ²	Capacity (H/M/L)	kW	2.61/2.31/2.24	4.08/3.34/2.73	4.95/3.99/3.26
	Water flow rate (H/M/L)	m³/h	0.64/0.54/0.42	0.83/0.67/0.56	0.87/0.70/0.58
	Water pressure drop (H/M/L)	kPa	12.1/8.5/5.3	9.2/8.6/6	9.4/8.23/6.1
	Power input (H/M/L)	W	15/9/5	28/16/10	33/18/11
Heating ³	Capacity (H/M/L)	kW	4.01/3.35/2.61	4.78/3.84/3.18	5.76/4.69/3.84
	Water flow rate (H/M/L)	m³/h	0.53/0.45/0.35	0.7/0.58/0.51	0.75/0.61/0.54
	Water pressure drop (H/M/L)	kPa	8.2/6/3.8	12.68/6.4/4.92	11.41/6.5/5.41
	Power input (H/M/L)	W	14/9/5	28/16/10	33/18/11
Sound pressure level	(H/M/L)	dB(A)	39/33/27	42/36/30	43/38/32
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7
Panel	Net dimensions (W×H×D)	mm	647×50×647	647×50×647	647×50×647
	Packing size (W×H×D)	mm	715×123×715	715×123×715	715×123×715
	Net weight	kg	2.5	2.5	2.5
	Gross weight	kg	4.5	4.5	4.5
Body	Net dimensions (W×H×D)	mm	575×261×575	575×261×575	575×261×575
	Packing size (W×H×D)	mm	670×290×670	670×290×670	670×290×670
	Net weight	kg	16.5	16.5	16.5
	Gross weight	kg	22.5	22.5	22.5
Pipe connections	Water inlet/outlet pipe	Inch	G3/4	G3/4	G3/4
	Drain pipe	mm	Ø25	Ø25	Ø25

Model			NFC-V600R-2-2P	NFC-V750R-2-2P	NFC-V850R-2-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	1175/987/768	1229/1020/810	1451/1146/1012
		CFM	691/580/451	722/600/476	853/674/595
Cooling ¹	Capacity (H/M/L)	kW	5.93/5.3/4.4	6.12/5.45/4.6	7.52/6.46/5.89
	Water flow rate (H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81	1.37/1.18/1.07
	Water pressure drop (H/M/L)	kPa	19.2/15.4/11	21.3/21.3/12.4	20.1/15.3/12.6
	Power input (H/M/L)	W	41/27/17	49/31/20	68/37/30
Heating ²	Capacity (H/M/L)	kW	6.06/5.72/5.32	6.27/5.88/5.43	7.88/7.48/6.76
	Water flow rate (H/M/L)	m³/h	1.30/1.14/1.13	1.39/1.20/1.00	1.66/1.39/1.25
	Water pressure drop (H/M/L)	kPa	25.9/20.1/19.9	30/22.7/16.3	26.7/18.8/15.6
	Power input (H/M/L)	W	42/28/17	44/32/20	66/37/28
Heating ³	Capacity (H/M/L)	kW	8.42/7.37/6.06	8.62/7.49/6.27	10.37/8.72/7.88
	Water flow rate (H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81	1.37/1.18/1.07
	Water pressure drop (H/M/L)	kPa	16.9/12.7/8.6	19.1/14.8/10.6	18.2/13.6/11.1
	Power input (H/M/L)	W	42/28/17	49/31/19	67/37/28
Sound pressure level		dB(A)	43/39/33	44/40/34	45/40/37
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7
Panel	Net dimensions (W×H×D)	mm	950×45×950	950×45×950	950×45×950
	Packing size (W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
Body	Net dimensions (W×H×D)	mm	840×230×840	840×230×840	840×300×840
	Packing size (W×H×D)	mm	900×237×900	900×237×900	900×330×900
	Net weight	kg	23	23	27
	Gross weight	kg	28	28	33
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	Ø32	Ø32	Ø32

Model			NFC-V950R-2-2P	NFC-V1200R-2-2P	NFC-V1500R-3-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	1530/1224/1101	1581/1371/1236	1871/1415/1198
		CFM	900/720/647	930/806/727	1100/832/704
Cooling ¹	Capacity (H/M/L)	kW	7.84/6.84/6.35	7.87/7.12/6.67	11.19/8.82/7.48
	Water flow rate (H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22	1.96/1.53/1.28
	Water pressure drop (H/M/L)	kPa	22/17/14.1	22.3/18.1/16.3	36.6/22.7/16.4
	Power input (H/M/L)	W	75/42/34	85/59/45	126/58/39
Heating ²	Capacity (H/M/L)	kW	8.49/8/7.35	9.16/8.54/7.9	10.07/9.37/8.68
	Water flow rate (H/M/L)	m³/h	1.71/1.45/1.33	1.73/1.57/1.46	2.35/1.86/1.59
	Water pressure drop (H/M/L)	kPa	28.1/20.7/17.4	28.8/24/20.7	49.2/31.2/23.3
	Power input (H/M/L)	W	76/43/33	86/59/45	128/58/39
Heating ³	Capacity (H/M/L)	kW	10.86/9.24/8.49	10.92/9.84/9.16	14.92/11.73/10.07
	Water flow rate (H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22	1.96/1.53/1.28
	Water pressure drop (H/M/L)	kPa	19.9/15.2/12.6	20/16.2/14.7	34.3/21.3/15
	Power input (H/M/L)	W	76/42/33	85/58/45	127/58/39
Sound power pressure (H/M/L)		dB(A)	46/42/39	48/44/41	49/43/39
Fan motor	Type		DC Motor	DC Motor	DC Motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row quantity		2	2	3
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7
Panel	Net dimensions (W×H×D)	mm	950×45×950	950×45×950	950×45×950
	Packing size (W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
Body	Net dimensions (W×H×D)	mm	840×300×840	840×300×840	840×300×840
	Packing size (W×H×D)	mm	900×330×900	900×330×900	900×330×900
	Net weight	kg	27	27	29.5
	Gross weight	kg	33	33	34.5
Pipe connections	Water inlet/outlet pipe	Inch	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	Ø32	Ø32	Ø32

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 teperaure/water flow 50°C/*(same water flow as in standard rating condition in cooling)

⁴ Noise is tested in a semi-anechoic test room.

⁵ Sound power level is tested in a reverberation chamber.

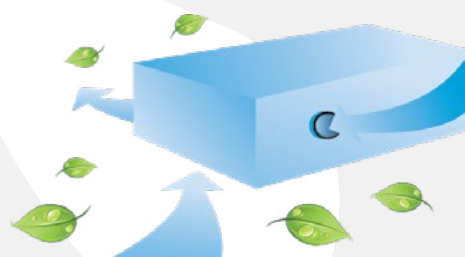


NØRDIS NFD
Duct Fan Coil Units

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		220-240/1/50			
Air flow (H/M/L)	V/F/Hz	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		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
	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
Heating ²	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
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
	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
					44.8/37.2/29.8
Fan motor	Type	DC Motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1			
Coil	Row quantity		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
Packing size (W×H×D)		mm	790×260×555	890×260×560	990×260×560
Net weight		kg	17.8	20	21.9
Gross weight		kg	20.4	22.9	25.1
Water inlet/outlet pipe		Inch	RC3/4	RC3/4	RC3/4
Drain pipe		Inch	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		220-240/1/50			
Air flow (H/M/L)	V/F/Hz	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		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
	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
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
	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
Heating ³	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
					50.7/43.8/34.5
Fan motor	Type	DC Motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2			
Coil	Row quantity		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
Packing size (W×H×D)		mm	1210×260×560	1510×260×560	1615×260×560
Net weight		kg	25	34.8	41.9
Gross weight		kg	28.8	39.2	47.2
Water inlet/outlet pipe		Inch	RC3/4	RC3/4	RC3/4
Drain pipe		Inch	ZG3/4	ZG3/4	ZG3/4

Notes:

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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.

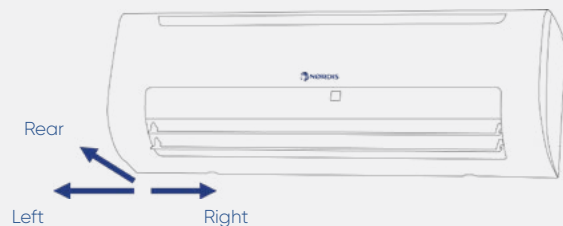
⁵ The external static pressure test condition is 0 Pa.



NØRDIS NFW

Wall-mounted Fan Coil Units

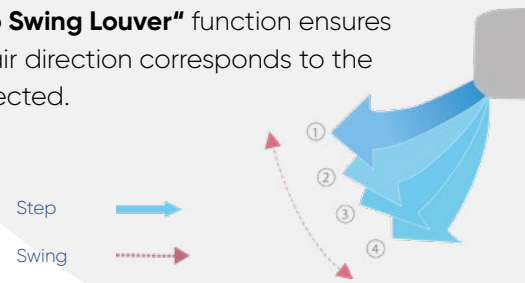
MULTIDIRECTIONAL PIPE CONNECTION:
Left | right | rear, to meet the needs of different installations.



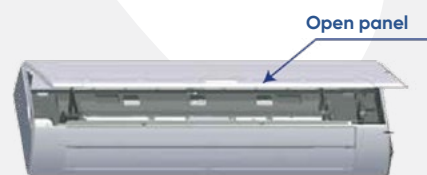
The NØRDIS wall-mounted Fan Coil features a stylish LED display, ensuring convenient control. This Fan Coil is a perfect match for any interior. The energy-saving DC motor, integrated into the device, guarantees reliable and efficient use with economical energy consumption. Seamless integration with other systems is also ensured. The included remote control provides convenient access to all functions, making it easy to operate.

The stylish front panel easily integrates into various interior decors, making it suitable for use in shops, restaurants, or offices.

The „Auto Swing Louver“ function ensures that the air direction corresponds to the mode selected.



Removable front panel making maintenance convenient.



Model		NFW-V250C-2P	NFW-V300C-2P	NFW-V400C-2P	NFW-V500C-2P	NFW-V600C-2P
Power supply		220-240/1/50				
Air flow (H/M/L)	m³/h	492/454/400	585/485/413	825/689/590	862/741/634	979/849/717
	CFM	289/267/235	344/285/242	485/405/347	507/435/372	575/499/421
Cooling ¹	Capacity (H/M/L)	kW	2.7/2.59/2.39	2.91/2.54/2.19	3.81/3.3/2.88	4.47/3.98/3.48
	Water flow rate (H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61
	Water pressure drop (H/M/L)	kPa	31.61/28.63/25.36	37.2/29.73/23.36	56.75/41.23/33.02	41.17/33.54/27.05
	Power input (H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13
Heating ²	Capacity (H/M/L)	kW	2.94/2.8/2.58	3.23/2.77/2.42	4.3/3.65/3.09	4.84/4.23/3.62
	Water flow rate (H/M/L)	m³/h	0.51/0.49/0.46	0.56/0.49/0.42	0.73/0.64/0.56	0.84/0.73/0.64
	Water pressure drop (H/M/L)	kPa	32.66/34.89/30.24	34.12/31.53/25.1	51.86/47.53/35.69	36.82/33.83/26.26
	Power input (H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12
Heating ³	Capacity (H/M/L)	kW	3.29/3.03/2.63	3.76/3.22/2.77	5.08/4.33/3.77	5.68/4.94/4.24
	Water flow rate (H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61
	Water pressure drop (H/M/L)	kPa	37.49/30.25/26.53	40.64/27.03/20.98	61.94/37.88/30.34	43.74/29.69/23.98
	Power input (H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12
Sound power level (H/M/L)		dB(A)	44/42/39	44/39/35	57/51/47	50/46/42
Rated current		A	0.16	0.19	0.28	0.32
Fan motor	Type	DC motor	DC motor	DC motor	DC motor	DC motor
	Quantity	1	1	1	1	1
Fan	Type	Tangential	Tangential	Tangential	Tangential	Tangential
	Quantity	1	1	1	1	1
Coil	Row Quantity		2	2	2	2
	Max. Working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7	Ø7
Net dimensions (W×H×D)		mm	915×290×234	915×290×234	915×290×234	1072×315×237
Packing size (W×H×D)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315
Net weight		kg	12.7	12.7	12.7	15.1
Gross weight		kg	17.3	17.6	16.3	19
Water inlet/outlet pipe		Inch	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODØ20	ODØ20	ODØ20	ODØ20

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, high fan speed.

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

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).



NØRDIS NFF2

Ceiling & floor Fan Coil Units

NØRDIS Ceiling & Floor Fan Coil can be installed both vertically – on the wall, and horizontally – on the ceiling. Due to its universal installation, it is one of the most popular types of Fan coils.

The units have a unique air outlet shape that reduces uneven air distribution and noise levels, resulting in a comfortable and quiet environment. Three-stage fan speeds allow you to control the airflow according to individual needs.

FLEXIBLE INSTALLATION

in both vertical and horizontal positions.



Feature:

- Auto mode and a seven-speed fan motor.
- Ultra-thin design with a thickness of only 200 mm.
- Hysteresis temperature can be set in heating and cooling modes using a switch on the control board.
- Forced ventilation can be activated with a switch on the control panel.
- Centralized control function (BMS) can be connected through the custom XYE port.
- Gateway (Modbus) can be connected through the custom PQE port.
- Optional wired controller KJR-75A.
- Optional 0-10V wired control.

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



Modelis			NFF2-V150-3-2P	NFF2-V250-3-2P	NFF2-V350-3-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	255/170/150	400/315/190	595/470/340
		CFM	150/100/88	235/185/112	350/276/200
Standard external static pressure		Pa	0		
Cooling ¹	Capacity (H/M/L)	kW	1.50/1.06/0.92	2.35/1.94/1.19	3.50/2.89/2.22
	Water flow rate (H/M/L)	m³/h	0.26/0.18/0.16	0.40/0.34/0.21	0.60/0.50/0.38
	Water pressure drop (H/M/L)	kPa	13.9/8.21/6.16	13.3/9.98/4.59	34.1/24.63/15.39
Heating ²	Capacity (H/M/L)	kW	1.57/1.07/0.92	2.60/2.11/1.34	3.80/3.10/2.35
	Water flow rate (H/M/L)	m³/h	0.27/0.19/0.16	0.45/0.37/0.23	0.65/0.53/0.40
	Water pressure drop (H/M/L)	kPa	15.1/7.63/5.84	14.3/10.33/4.5	35.1/24.41/14.82
Power input (H/M/L)		W	15/9/8	17/12/7	26/17/10
Sound power level (H/M/L) ³		dB(A)	47/36/34	43/37/29	52/44/36
Fan motor	Type	Low noise DC fan motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1			
Coil	Row quantity	3			
	Max. Working pressure	MPa	1.6		
	Diameter	mm	Ø794		
Body	Net dimensions (W×H×D)	mm	790×495×200	1020×495×200	1240×495×200
	Packing size (W×H×D)	mm	895×595×300	1125×595×300	1345×595×300
	Net weight	kg	18.0	21.5	25.5
	Gross weight	kg	23.5	27.5	32.5
Water inlet/outlet pipe		Inch	G3/4	G3/4	G3/4
Drain pipe		mm	Ø18.5	Ø18.5	Ø18.5

Model			NFF2-V500-3-2P	NFF2-V700-3-2P	NFF2-V800-3-2P
Power supply		V/F/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	790/580/410	1190/855/505	1360/1015/685
		CFM	488/359/253	700/503/297	800/597/403
Standard external static pressure		Pa	0		
Cooling ¹	Capacity (H/M/L)	kW	4.30/3.48/2.71	5.60/4.47/3.14	7.35/6.12/4.57
	Water flow rate (H/M/L)	m³/h	0.74/0.60/0.47	0.96/0.77/0.54	1.27/1.05/0.79
	Water pressure drop (H/M/L)	kPa	54.2/36.22/22.78	50.7/33.38/17.73	44.1/33.7/19.41
Heating ²	Capacity (H/M/L)	kW	4.70/3.70/2.81	6.00/4.77/3.36	8.05/6.46/4.71
	Water flow rate (H/M/L)	m³/h	0.81/0.64/0.48	1.04/0.83/0.59	1.39/1.12/0.82
	Water pressure drop (H/M/L)	kPa	54.3/36.87/22.32	55.5/37.66/19.27	46.9/31.9/18.16
Power input (H/M/L)		W	50/25/14	96/44/17	113/53/22
Sound power level (H/M/L) ³		dB(A)	59/51/43	64/56/45	63/58/49
Fan motor	Type	Low noise DC fan motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2			
Coil	Row quantity	3			
	Max. Working pressure	MPa	1.6		
	Diameter	mm	Ø794		
Body	Net dimensions (W×H×D)	mm	1240×495×200	1360×495×200	1360×591×200
	Packing size (W×H×D)	mm	1345×595×300	1465×595×300	1465×695×300
	Net weight	kg	25.5	28.5	32.5
	Gross weight	kg	32.5	36.0	41.0
Water inlet/outlet pipe		Inch	G3/4	G3/4	G3/4
Drain pipe		mm	Ø18.5	Ø18.5	Ø18.5

Notes:

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

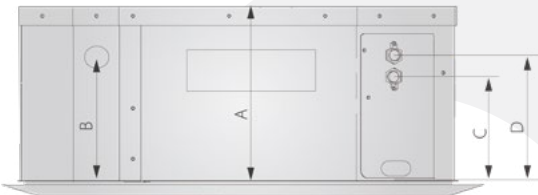
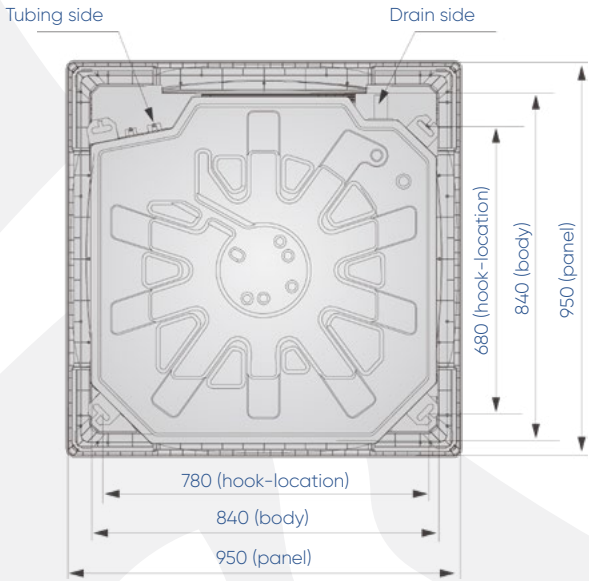
¹ Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.

² Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.

³ Noise is tested in a reverberation chamber.

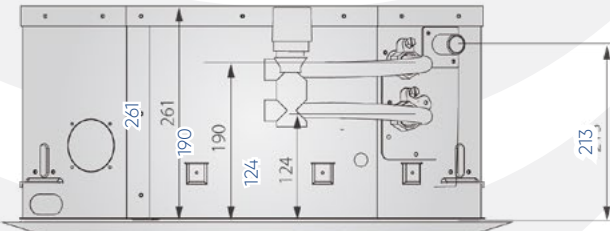
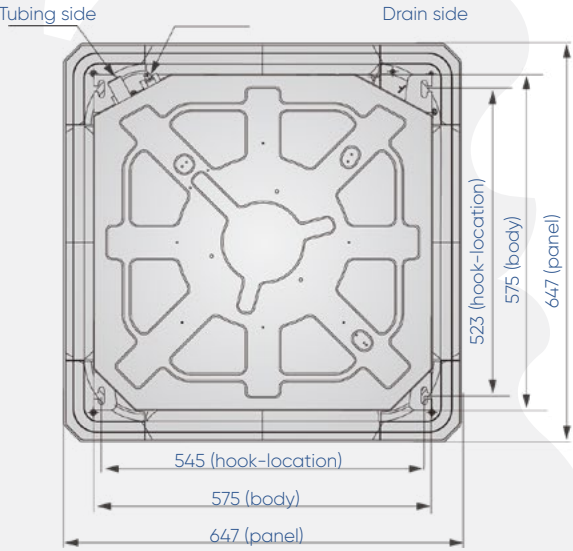
Dimensions

Standard 4-way cassette fan coil units
(Dimensions: mm)

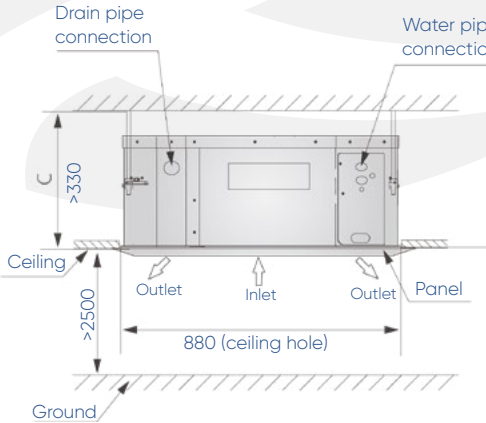
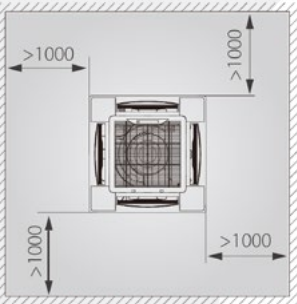


Model	A	B	C	D
NFC-V600R-2-2P NFC-V750R-2-2P	230	170	135	185
NFC-V950R-2-2P NFC-V1200R-2-2P NFC-V1500R-3-2P	300	190	145	195

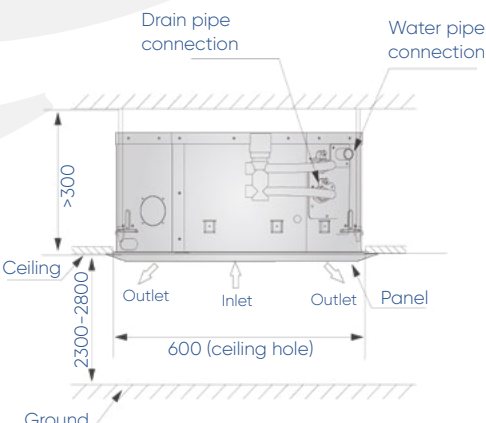
Compact 4-way cassette fan coil units
(Dimensions: mm)



Service areas
(Dimensions: mm)

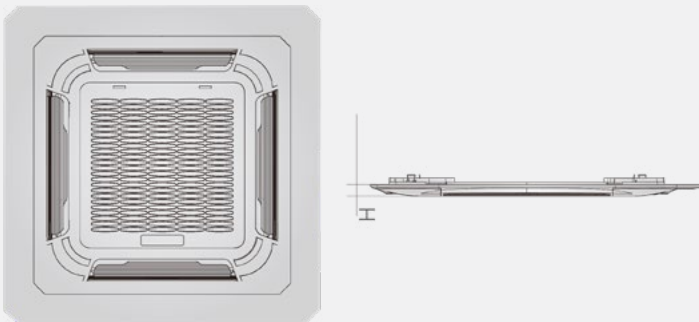


STANDARD SIZE CASSETTE



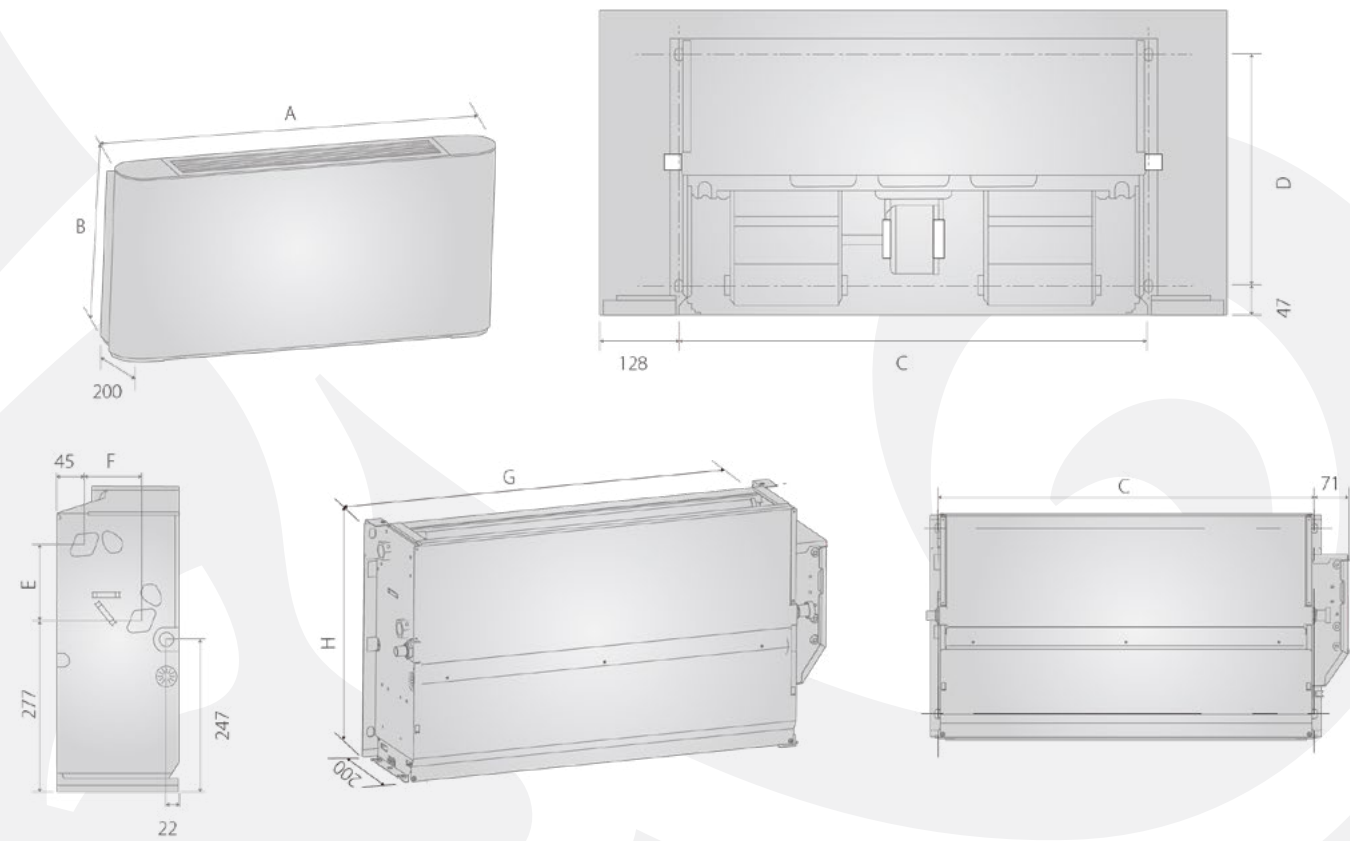
COMPACT SIZE CASSETTE

Height of the front panel



Type	H (mm)
Standard-sized cassette	45
Compact-sized cassette	50

Ceiling&Floor



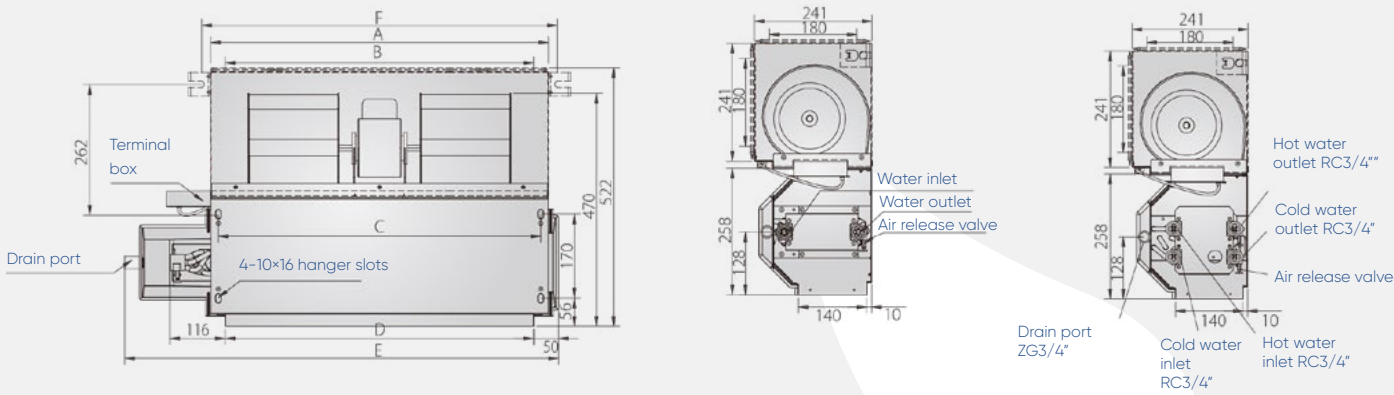
Model	NFW-V250C-2P NFW-V300C-2P NFW-V400C-2P	NFW-V500C-2P NFW-V600C-2P
A	732	892
B	915	1072
C	290	315
D	663	813
E	233	237

Model	150	250	300	500	700	800
A (mm)	790	1020	1240	1240	1360	1360
B (mm)	495	495	495	495	495	591
C (mm)	534	764	984	984	1104	1104
D (mm)	375	375	375	375	375	319
E (mm)	123	123	123	123	123	219
F (mm)	93	93	93	93	93	102
G (mm)	628	858	1078	1078	1198	1198
H (mm)	455	455	455	455	455	551

Wall mounted



Ducted fan coil units



2 PIPE DUCT

4 PIPE DUCT

Size	A	B	C	D	E	F
V200	545	485	513	485	741	583
V300	645	585	613	585	841	683
V400	745	685	713	685	941	783
V500	745	685	713	685	941	783
V600	965	905	933	905	1161	1003
V800	1265	1205	1233	1205	1461	1303
V1000	1370	1310	1338	1310	1566	1408
V1200	1660	1600	1628	1600	1856	1698

SMART CONTROL SOLUTIONS

Wall-mounted and Cassette Fan Coils are equipped with a standard remote control, and Ceiling&Floor ones with a wired controller can be installed in the device. Controllers suitable for specific models are specified in the technical documentation. With certain adaptations, these devices can also be connected to BMS systems.

Control Devices
Accessories
Application of Central Control &
BMS Control

Wireless Remote Controllers



NC-RM12A

Functions:
LCD display screen
Mode control
Fan speeds control
Time setting / Temp. setting / Swing setting

Applicable FCUs:
4-way cassette (standard)
Wall-mounted (standard)

Wireless remote controls



KJR-18B/E

Functions:
Mechanical thermostat
Mode control
Fan speeds control
Temp. setting

Applicable FCUs:
AC Ceiling & Floor and Duct without electric heater (optional)



NC-29B

Functions:
Receiving remote signal
Mode control
Fan speeds control
Temp. setting

Applicable FCUs:
Cassette / Wall-mounted (optional)



NC-75A

Functions:
LED display screen
Mode control
Seven speed fan control
Temp. setting

Applicable FCUs:
Ceiling&Floor(optional)
DC one-way cassette (optional)



NC-86A/M

Functions:
LCD display screen
Mode/Electric heater control
Fan speeds control
Timer / Temp. setting
ECO setting/reminder
Compatible with Modbus

Applicable FCUs:
AC Ceiling& Floor and AC&DC Duct (optional)

Centralized Controllers



CCM09

Functions:
Weekly schedule function
Large LCD display screen
Max. of 64 FCUs can be controlled by a CCM09
Mode control / fan speed control
Time setting / temp. setting / swing setting

Applicable FCUs:
All FCUs (AC 1-way cassette FCUs need adding NIM01 module, non-PCB FCUs need adding PC board control kit)



CCM30

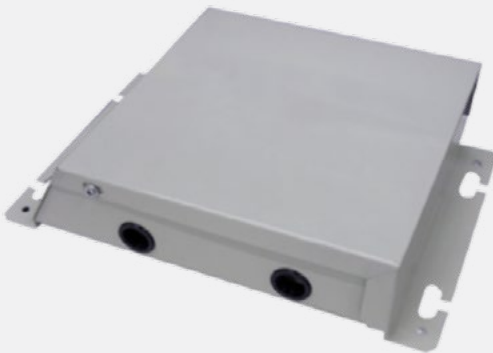
Functions:
Touch-style keys
Large LCD display screen
Max. of 64 FCUs can be controlled by a CCM30
Mode control / fan speed control
Time setting / temp. setting / swing setting

Applicable FCUs:
All FCUs (AC 1-way cassette FCUs need adding NIM01 module, non-PCB FCUs need adding PC board control kit)



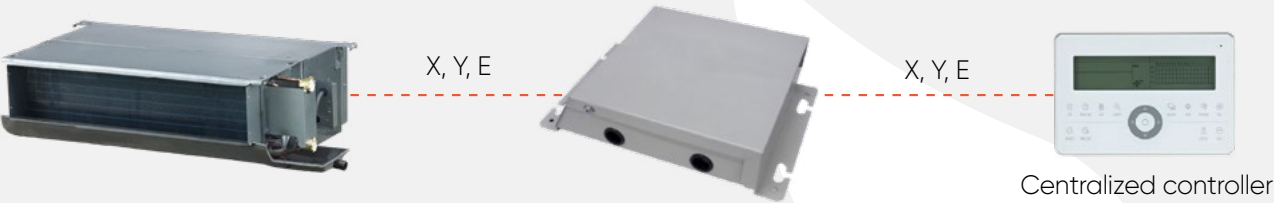
Accessories

PC Board Control Kit for FCU



- Available for all non-PCB FCUs.
- Flexibility installation: can be attached to the unit, mounted on a wall or hung under a ceiling.
- External installation making maintenance more convenient.
- Functions: three fan speeds control, Water pump control, Long-distance ON/OFF control, ALARM function, electric heater control.
- Operating status can be displayed by wired controller lamp indicator.
- Centralized control function.
- BMS control function through Modbus protocol.

Centralized control



Model			CE-FCUKZ-03	CE-FCUKZ-04
Applicable appliance			2-pipe FCUs	4-pipe FCUs
Power supply		V/F/Hz	220~240-1-50/60	
Operating range	Room temp.	°C	17~30	
	Inlet water temp.	°C	3~75	
Temp. controlling precision		°C	±1	
Net dimension	W×H×D	mm	296×66×212	
Packing size	W×H×D	mm	410×115×262	
Net weight		kg	1.4	
Gross weight		kg	2.5	

Notes:
Duct series need PCB kit to connect Centralized controller.

Valve kit



Notes:
The valve kit includes valve, actuator and connecting pipe. For different model of units, the models of valve kit are difference.

DN (mm)	Inner Screw Thread	Applicable Appliance
15	1/2'	For 4-pipe cassette and ceiling&floor (for cold water)
20	3/4'	For 2-pipe FCU, 4-pipe duct, 4-pipe cassette and ceiling&floor (for cold water).



Note:
When connecting to BMS through the BACnet protocol, a custom version of CCM30 was required.

NØRDIS representatives: