NØRDIS

DC FAN COIL UNITS

2024

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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.

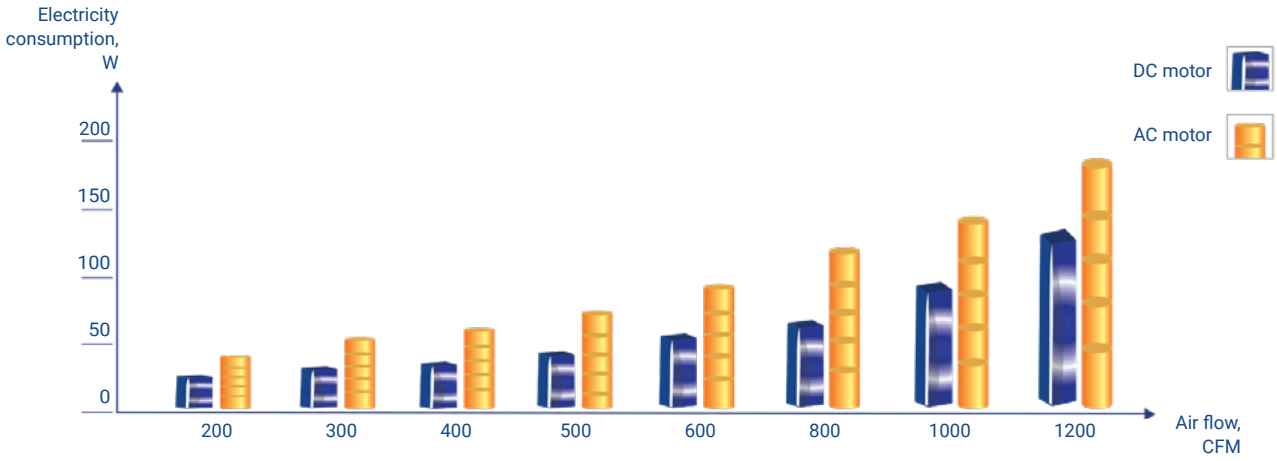
NOMENCLATURE

NFC - V 600 R - 2 - 2P

- Fan Coil Type:
  C - Cassette Units;
  W - Wall-mounted Units;
  D - Duct Units;
  F - Ceiling & Floor Units.
- Fan Coil with DC fans
- Model
- 2 - 2-row heat exchanger;
  3 - 3-row heat exchanger;
  4 - 4-row heat exchanger.
- 2P - 2-pipe system;
  4P - 4-pipe system.

FEATURES OF NØRDIS FAN COILS

ECONOMY

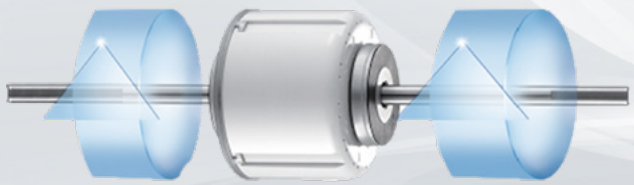


Comparison of DC and AC motor power

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

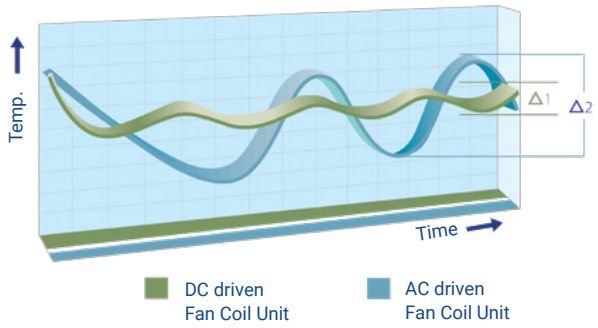


DC driven motor

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

VERSATILE SELECTION

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 m^3/h to 2500 m^3/h.
It is a versatile range, suitable for any residential, commercial, or public space.

NØRDIS FAN COIL UNITS

TYPES OF NØRDIS FAN COIL UNITS

Air volume (CFM)	150	200	250	300	350	400
4-way Cassette 						
Compact 4-way Cassette 				—		—
Duct 		—		—		—
Wall-mounted 			—	—		—
Ceiling & Floor 	—		—		—	

ONE OF THE MOST VERSATILE RANGES ON THE MARKET

Four different types:

- 4-way Cassette Units,
- Duct Units,
- Wall-mounted 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.

500	600	700	750	800	850	900	950	1000	1200	1500
	—		—		—		—		—	—
—										
—	—			—				—	—	
—	—									
—		—		—						

NØRDIS NFC Series

Standard size models

Compact size models

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.

A wide selection:
two models of different sizes are available.

COMPACT SIZE MODELS:

NFC-V300
NFC-V400
NFC-V500

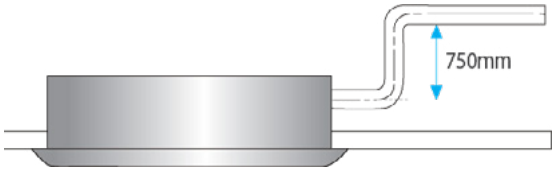
STANDARD SIZE MODELS:

NFC-V600R
NFC-V750R
NFC-V850R
NFC-V950R
NFC-V1200R
NFC-V1500R

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

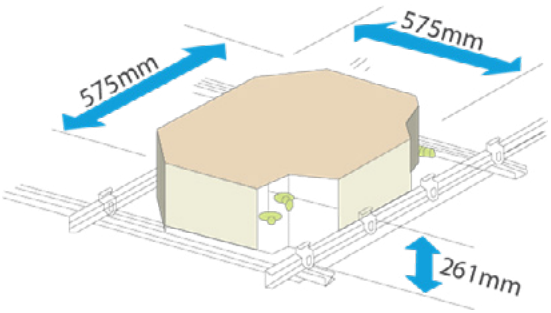


Stylish 360° Panel

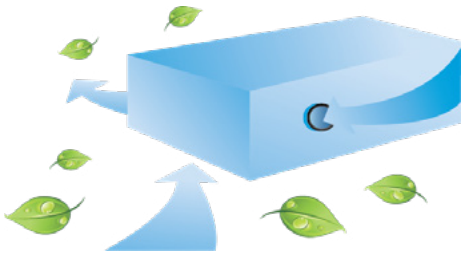
with Large Airflow Outlet.

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.



Extended condensate tray for **greater ceiling protection**.

NØRDIS NFC Series

Model			NFC-V600R-2-2P	NFC-V750R-2-2P	NFC-V850R-2-2P
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/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)	m^3/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)	m^3/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)	m^3/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 (H/M/L)		dB(A)	43/39/33	44/40/34	45/40/37
Fan motor	Type		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/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/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)	m^3/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)	m^3/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	128/58/38
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)	m^3/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 pressure level (H/M/L)		dB(A)	46/42/39	48/44/41	49/43/39
Fan motor	Type		DC Motor		
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		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

Model			NFC-V300-2-2P	NFC-V400-2-2P	NFC-V500-2-2P
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/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)	m^3/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)	m^3/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)	m^3/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

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.

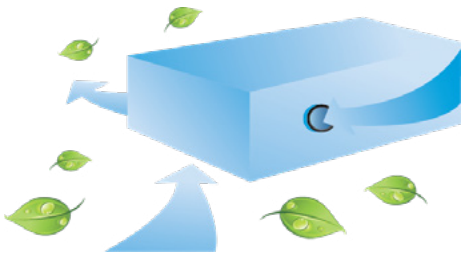
NØRDIS NFD Series

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-V200-2-2P	NFD-V300-2-2P	NFD-V400-2-2P	NFD-V500-2-2P
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m^3/h	439/295/221	615/439/310	792/622/413	887/620/443
		CFM	258/173/130	361/258/182	465/365/242	521/364/260
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling[1]	Capacity (H/M/L)	kW	2.02/1.52/1.17	2.82/2.33/1.79	3.31/2.78/2.14	3.83/3.16/2.55
	Water flow rate (H/M/L)	m^3/h	0.37/0.28/0.22	0.51/0.41/0.32	0.59/0.50/0.38	0.68/0.56/0.46
	Water pressure drop (H/M/L)	kPa	6.3/3.62/2.17	14.16/10.5/7.33	19.37/14.79/9.57	23.7/17.1/11.9
	Power input (H/M/L)	W	18/9/6	25/15/11	29/16/9	42/20/11
Heating[2]	Capacity (H/M/L)	kW	2.57/1.89/1.47	3.56/2.8/2.08	4.19/3.42/2.49	4.84/3.9/3.01
	Water flow rate (H/M/L)	m^3/h	0.47/0.34/0.27	0.62/0.50/0.37	0.72/0.6/0.45	0.84/0.69/0.53
	Water pressure drop (H/M/L)	kPa	5.64/4.5/2.9	10.54/10.3/6.3	16.20/16.6/10	30.8/32.4/20
	Power input (H/M/L)	W	19/9/7	25/15/11	32/17/9	45/22/12
Heating[3]	Capacity (H/M/L)	kW	2.98/2.22/1.73	4.12/3.26/2.39	4.91/4.1/3.02	5.6/4.49/3.45
	Water flow rate (H/M/L)	m^3/h	0.37/0.28/0.22	0.51/0.41/0.32	0.59/0.50/0.38	0.68/0.56/0.46
	Water pressure drop (H/M/L)	kPa	7.91/3.5/2.3	15.39/7.41/4.83	23/12.09/7.81	29.04/14.16/9.71
	Power input (H/M/L)	W	19/9/7	25/15/11	31/18/9	45/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	37.5/27.4/24.0	40.3/33.1/26.7	41.1/34.7/26.8	44.6/36.8/29.4
Fan motor	Type		DC Motor			
	Quantity		1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades			
	Quantity		1	2	2	2
Coil	Row		2	2	2	2
	Max. Working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52
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	16.5	18.5	20	20
Gross weight		kg	19	21.4	23.2	23.2
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4

Model			NFD-V600-2-2P	NFD-V800-2-2P	NFD-V1000-2-2P	NFD-V1200-2-2P
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m^3/h	1081/821/586	1492/1071/797	1824/1332/906	2327/1669/1135
		CFM	635/482/344	877/630/468	1072/783/532	1368/981/667
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling[1]	Capacity (H/M/L)	kW	4.78/4.01/3.09	6.7/5.49/4.45	7.92/6.62/5.15	9.83/8.5/6.46
	Water flow rate (H/M/L)	m^3/h	0.85/0.69/0.54	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water pressure drop (H/M/L)	kPa	14.2/9.8/6.1	15.1/10.89/7.82	23.2/16.44/10.94	50.33/30.4/21.71
	Power input (H/M/L)	W	53/25/12	62/28/16	93/42/19	111/53/24
Heating[2]	Capacity (H/M/L)	kW	6.25/5.17/4.03	8.39/6.64/5.2	9.92/7.94/5.86	12.58/10.24/7.57
	Water flow rate (H/M/L)	m^3/h	1.10/0.91/0.7	1.46/1.17/0.91	1.69/1.38/1.01	2.17/1.79/1.34
	Water pressure drop (H/M/L)	kPa	12.36/14.2/8.9	13.26/13.1/8.28	19.72/18.87/11.07	38.30/41.81/26.5
	Power input (H/M/L)	W	58/27/13	66/30/16	100/44/19	118/55/24
Heating[3]	Capacity (H/M/L)	kW	7.19/5.92/4.55	9.87/7.83/6.29	11.63/9.37/6.96	14.58/11.82/8.83
	Water flow rate (H/M/L)	m^3/h	0.85/0.69/0.54	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water pressure drop (H/M/L)	kPa	19.88/8.56/5.4	19.36/9.03/6.4	26.68/13.96/9.1	60.7/26.5/17.8
	Power input (H/M/L)	W	58/27/13	66/30/17	99/45/19	119/55/24
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/38.9/29.9	47.7/39.4/31.1	50.2/43.0/33.0	50.9/44.0/33.8
Fan motor	Type		DC Motor			
	Quantity		1	2	2	2
Fan	Type		Centrifugal, forward-curved Blades			
	Quantity		2	4	4	4
Coil	Row		2	2	2	2
	Max. Working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52
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	22.2	31.4	32.5	37.5
Gross weight		kg	26	35.8	37.2	42.8
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 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.

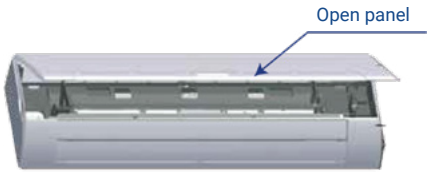
[5] The external static pressure test condition is 0 Pa.

NØRDIS NFW Series

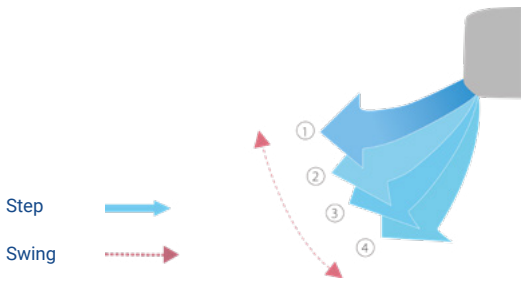
The NØRDIS Wall-mounted Fan Coil features a stylish LED display, ensuring convenient control. This Fan Coil is a perfect match for any interior. The energy-saving DC motor, integrated into the device, guarantees reliable and efficient use with economical energy consumption. Seamless integration with 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.

Removable front panel making maintenance convenient.



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



Model			NFW-V250C-2P	NFW-V300C-2P	NFW-V400C-2P	NFW-V500C-2P	NFW-V600C-2P
Power supply		V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)		m^3/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	4.87/4.26/3.79
	Water flow rate (H/M/L)	m^3/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	0.85/0.72/0.65
	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	50.68/39.47/33.66
	Power input (H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13	38/26/18
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	5.26/4.68/3.96
	Water flow rate (H/M/L)	m^3/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	0.89/0.80/0.68
	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	47.12/42.75/32.95
	Power input (H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12	33/23/16
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	6.31/5.57/4.77
	Water flow rate (H/M/L)	m^3/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	0.85/0.72/0.65
	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	51.65/36.3/30.3
	Power input (H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12	33/23/16
Sound power level (H/M/L)		dB(A)	44/42/39	44/39/35	57/51/47	50/46/42	56/52/47
Rated current		A	0.16	0.19	0.28	0.32	0.39
Fan motor	Type		DC Motor				
	Quantity		1	1	1	1	1
Fan	Type		Tangential fan				
	Quantity		1	1	1	1	1
Coil	Row		2	2	2	2	2
	Max. Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7	Ø7	Ø7
Net dimensions (W×H×D)		mm	915×290×234	915×290×234	915×290×234	1072×315×237	1072×315×237
Packing size (W×H×D)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net weight		kg	12.7	12.7	12.7	15.1	14.9
Gross weight		kg	17.3	17.6	16.3	19	18.6
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODØ20	ODØ20	ODØ20	ODØ20	ODØ20

NOTES:

Based on Eurovent conditions:

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, 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 Series

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.

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

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.
- Wired controller NC-75A included.
- Optional 0-10V wired control.

Model			NFF2-V150-3-2P	NFF2-V250-3-2P	NFF2-V350-3-2P
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/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	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)	m^3/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	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)	m^3/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)		dB(A)	47/36/34	43/37/29	52/44/36
Fan motor	Type		Low noise DC fan motor		
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	2	2
Coil	Row		3	3	3
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94
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/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m^3/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	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)	m^3/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	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)	m^3/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)		dB(A)	59/51/43	64/56/45	63/58/49
Fan motor	Type		Low noise DC fan motor		
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		2	3	3
Coil	Row		3	3	3
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94
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:

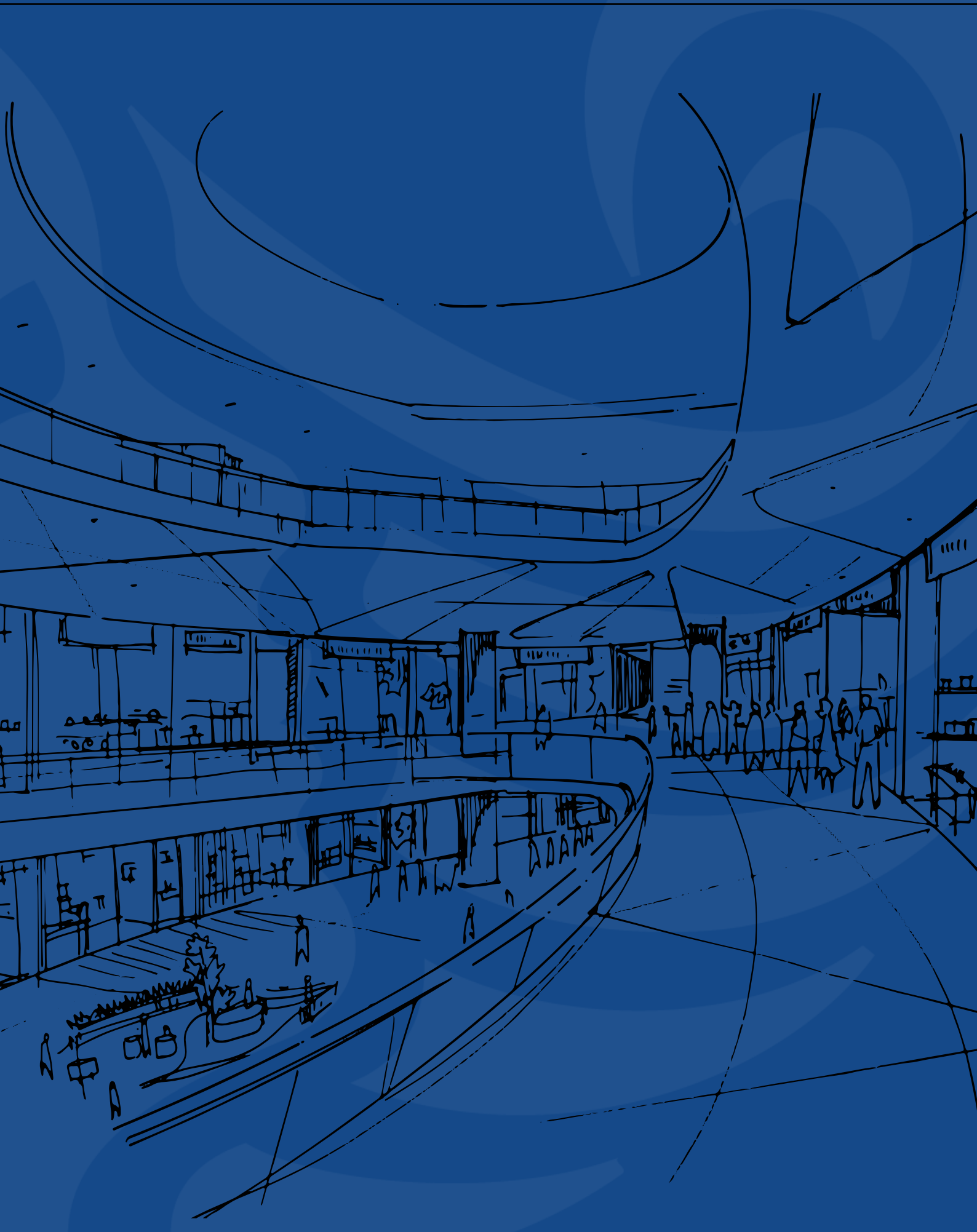
H: High fan speed; M: Medium fan speed; L: Low fan speed.

[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.

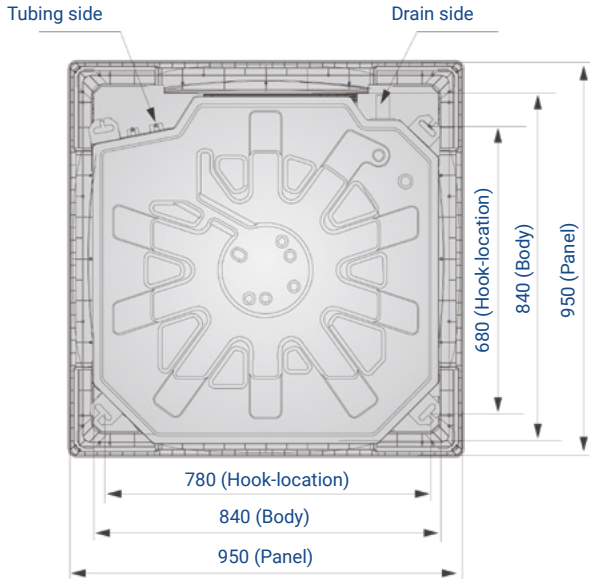
[3] Noise is tested in a reverberation chamber.

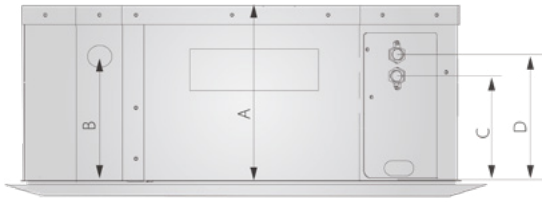
DIMENSIONS



4-way cassette

Dimensions (unit:mm)

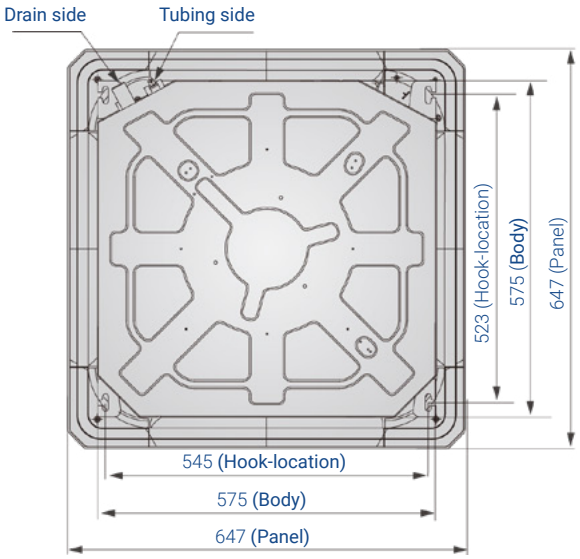


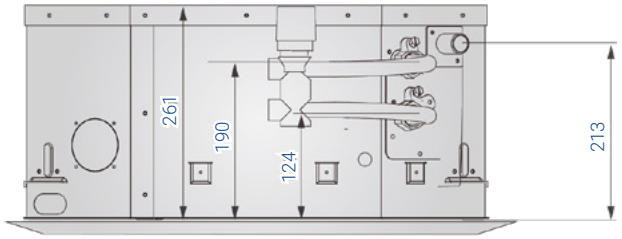


Model	A	B	C	D
NFC-V600R-2-2P NFC-V750R-2-2P	230	170	135	185
NFC-V950R-2-2P NFC-V1200R-2-2P NFC-V1500R-3-2P	300	190	145	195

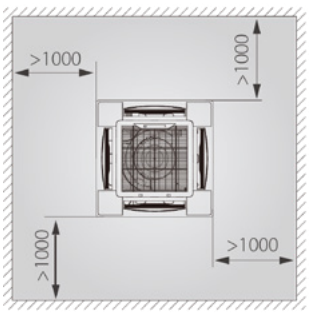
Compact 4-way cassette

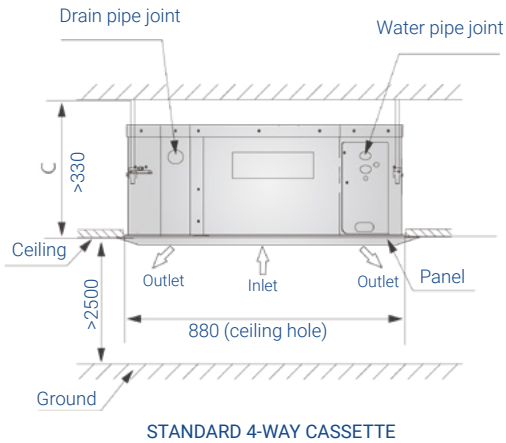
Dimensions (unit: mm)



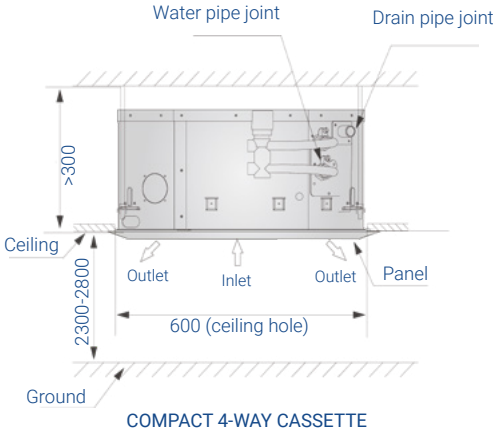


Service Spaces (unit: mm)



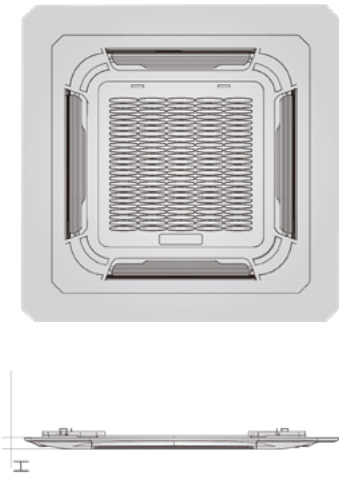


STANDARD 4-WAY CASSETTE



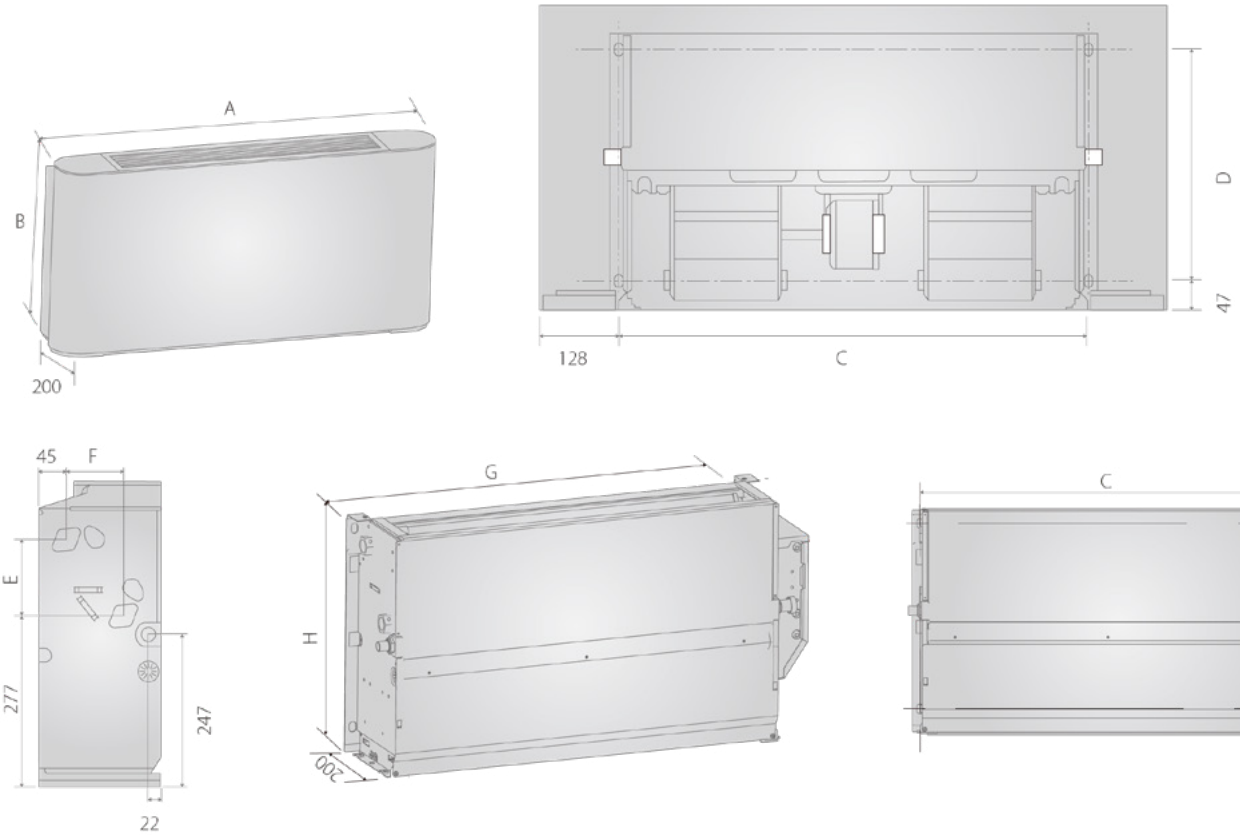
COMPACT 4-WAY CASSETTE

Height of the front panel



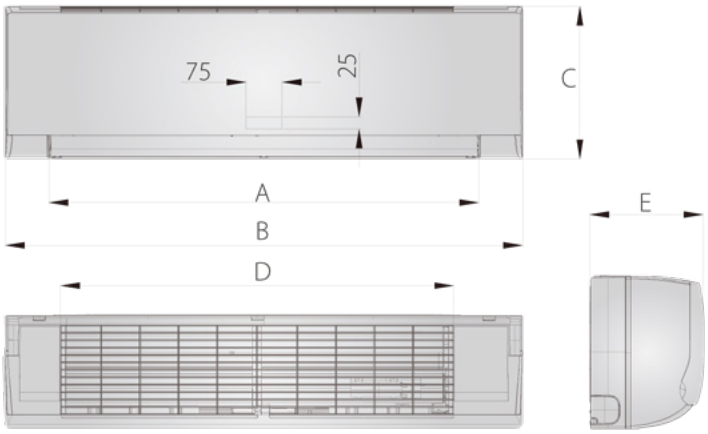
Type	H (mm)
4-way cassette	45
Compact 4-way cassette	50

Ceiling&Floor



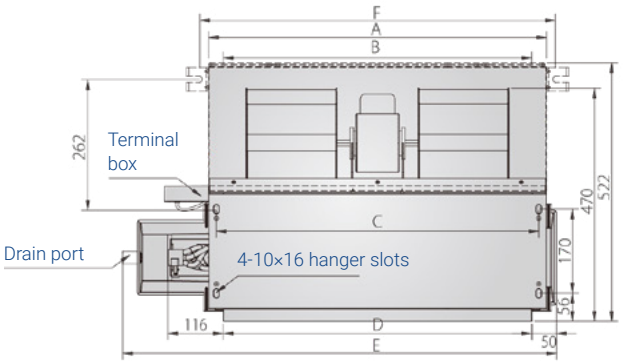
Model	150	250	300	500	700	800
A (mm)	790	1020	1240	1240	1360	1360
B (mm)	495	495	495	495	495	591
C (mm)	534	764	984	984	1104	1104
D (mm)	375	375	375	375	375	319
E (mm)	123	123	123	123	123	219
F (mm)	93	93	93	93	93	102
G (mm)	628	858	1078	1078	1198	1198
H (mm)	455	455	455	455	455	551

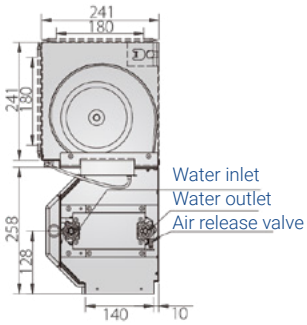
Wall-mounted



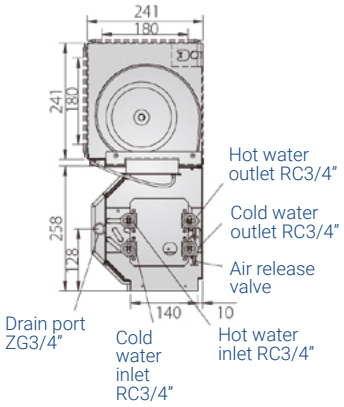
Model	NFW-V250C-2P NFW-V300C-2P NFW-V400C-2P	NFW-V500C-2P NFW-V600C-2P
A	732	892
B	915	1072
C	290	315
D	663	813
E	233	237

Duct





2-PIPE DUCT



4-PIPE DUCT

Measurements of Ducted Fan Coils

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 which can be installed on the device as well. 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

Model	Appearance	Function Descriptions	Applicable FCUs
NC-RM12A		LCD display screen Mode control Fan speeds control Time setting / Temp. setting / Swing setting	4-way cassette (standard) Wall-mounted (standard)

Wired Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
KJR-18B/E		Mechanical thermostat Mode control Fan speeds control Temp. setting	AC Ceiling & Floor and Duct without electric heater (optional)
NC-29B		Receiving remote signal Mode control Fan speeds control Temp. setting	Cassette / Wall-mounted (standard)
NC-75A		LED display screen Mode control Seven speed fan control Temp. setting	Ceiling&Floor(optional) DC one-way cassette (optional)
NC-86A/M		LCD display screen Mode/Electric heater control Fan speeds control Timer / Temp. setting ECO setting/reminder Compatible with Modbus	AC Ceiling& Floor and AC&DC Duct (optional)

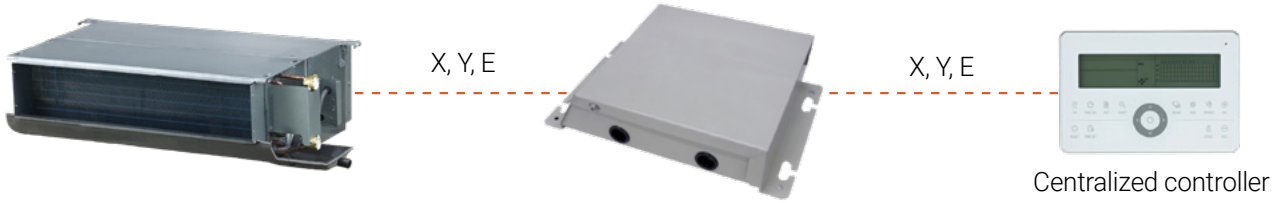
Centralized Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
CCM09		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	All FCUs (AC 1-way cassette FCUs need adding NIM01 module, non-PCB FCUs need adding PC board control kit)
CCM30		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	

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



Centralized controller

Model			CE-FCUKZ-03	CE-FCUKZ-04
Applicable appliance			2-pipe FCUs	4-pipe FCUs
Power supply		V/Ph/Hz	220~240-1-50/60	
Operation 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	

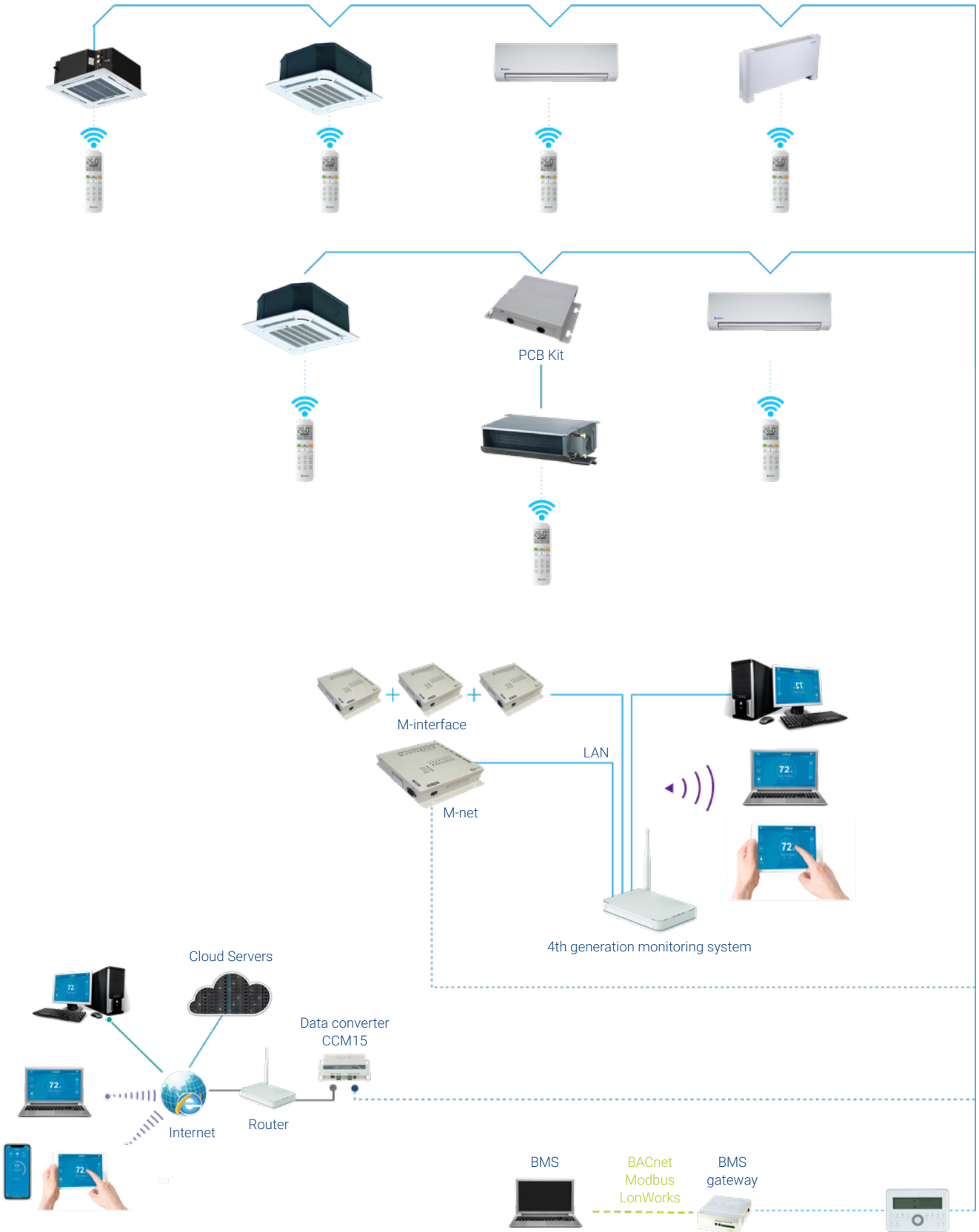
NOTES: Duct series need PCB kit to connect Centralized controller.

Valve kit

DN (mm)	Inner Screw Thead	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).

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

APPLICATION OF CENTRAL CONTROL & BMS CONTROL



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

COMMENTS

REPRESENTATIVES

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