DC INVERTER VRF SYSTEM

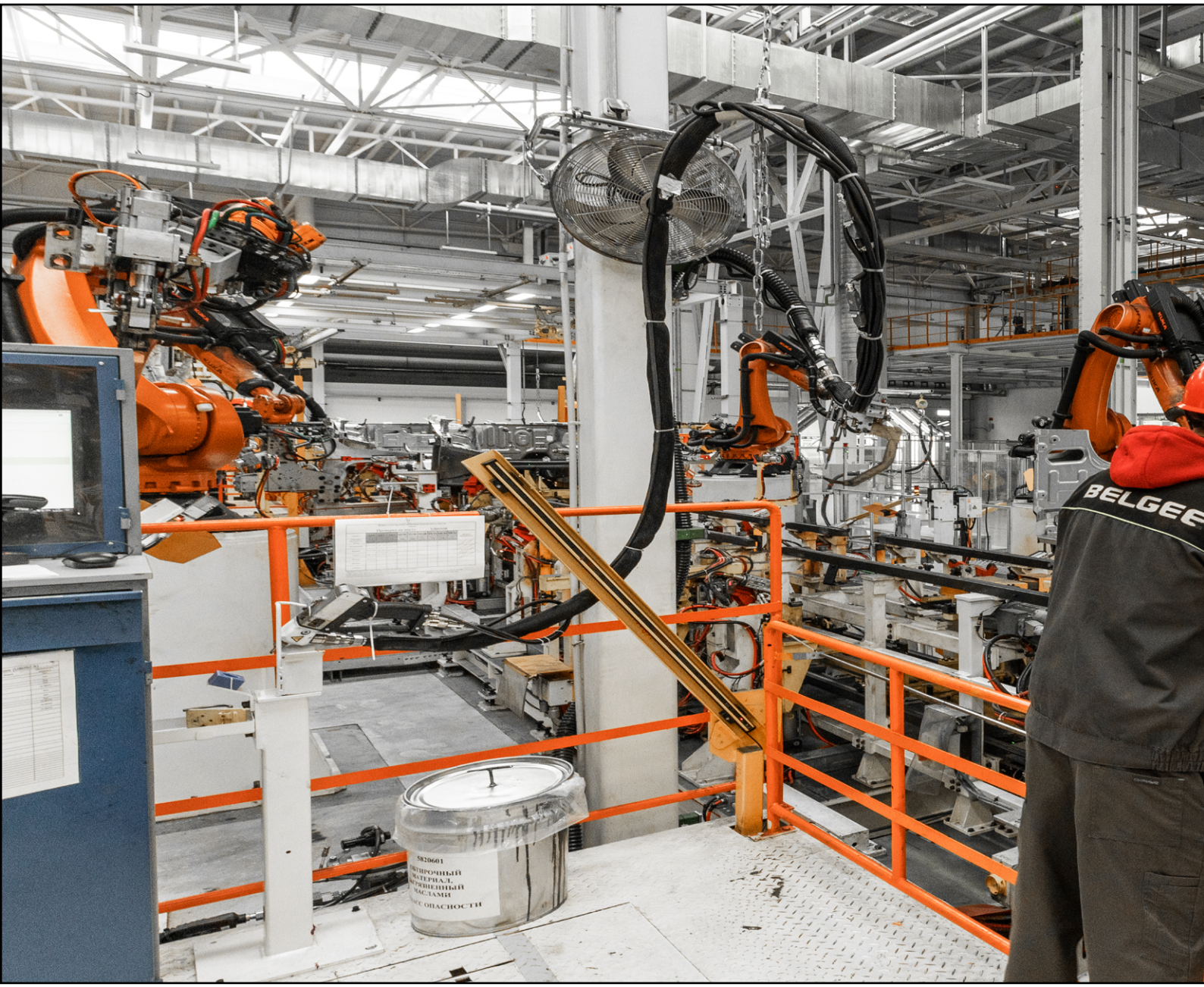
Product Catalogue

T3,T4 Condition

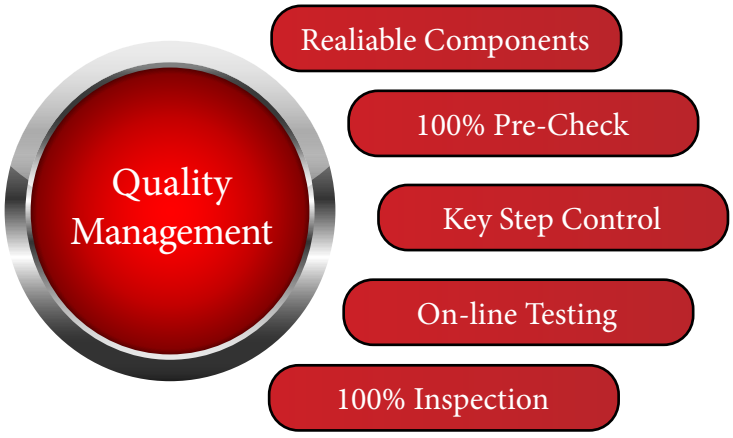
Single Modules From 8 HP to 32 HP.

Capacity Ranges From 32 HP to 96 HP


Capacity Ranges
From 32 HP to 96 HP



Quality Superiority



LNX has established a strict and scientific quality management system with supplier quality assurance, incoming quality control, process quality control and final quality control to ensure the quality of the products.

The testing center has been certified by CNA in 2018, with a full range of professional incoming inspection labs, enthalpy difference labs, EMC labs, 42 national accreditedlabs for testing and verification.

Certification

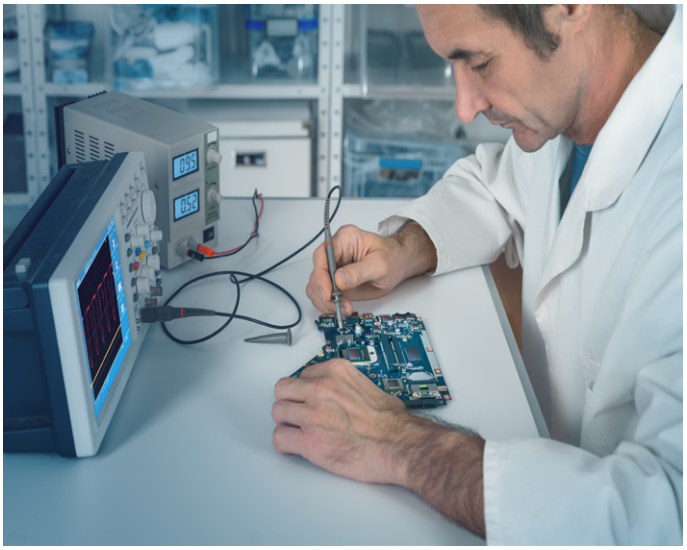
ISO9001 quality management system, ISO14001 environmental management system, OHSAS18001 occupational health and safety management system, QC080000 electronic and electrical components and products harmful substances process management system certification.

Main product certificated by CCC, energy-saving certification, ETL, AHRI, DOE, CE, CB, SASO, -ESMA, MEW and others according to specific market requirements.

Enthalpy Difference Lab

Modular Chiller Test Lab

LNX carries out technology collaboration and joint research with postdoctoral research workstations and Guangdong enterprise workstations, at the same time, introducing senior technical experts from Japan to join LNX and served as senior technical consultants, LNX pay great attention to R&D and continually invest to develop new technology, by the continuous innvation, LNX has established a solid development foundation and strength in performance, structure, electronic control, industrial design and other professional aspects. The test center covers an area of more than 15,000 square meters. It has a series of professional laboratories. In 2010, it passed the consistency check of the National Energy Efficiency Label Management Center and obtained certificate, in 2018, the test center obtained CNAS national certification.



Electromagnetic Vibration Lab

Professional Engineers

CONTENT

How To Read The Model Name

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
L	N	X	G	C	V	1	C	S	I	22	I	0	T	3	HP	A

A		AC Motor
D		DC motor

C		Cool Only
HP		Cool + Heat Pump
E		Cool + Electric Heater
A		Heat Pump + Heater

1		Normal
3		High Ambiant

T		220/240V-1Ph-50Hz
M		380/420V-3Ph-50Hz
Y		208/230V-1Ph-60Hz
E		380/420V-3Ph-60Hz
Z		220/240V-1Ph-50&60Hz

0		R410A
2		R22
7		R407C

R		Rotary
P		Reciprocating
S		Inverter Scroll
I		Inverter
W		Inverter Twin Rotary

22		2.2 KW
28		2.8 KW
36		3.6 KW
45		4.5 KW
56		5.6 KW
71		7.1KW
80		8 KW
90		9 KW
100		10 KW
112		11.2 KW
120		12 KW
125		12.5 KW
140		14 KW
150		15 KW
160		16 KW
200		20 KW
224		22.4 KW
250		25 KW
252		25.2 KW
280		28 KW
335		33.5 KW
400		40 KW
450		45 KW
500		50 KW
560		56 KW
615		61.5 KW
670		67 KW
730		73 KW
785		78.5 KW
850		85 KW
900		90 KW

950		95KW
1000		100 KW
1065		106.5 KW
1115		111.5 KW
1175		117.5 KW
1230		123 KW
1285		128.5 KW
1340		134 KW
1400		140 KW
1455		145.5 KW
1520		152 KW
1570		157 KW
1630		163 KW
1685		168.5 KW
1750		175 KW
1800		180 KW
1845		184.5 KW
1900		190 KW
1955		195.5 KW
2015		201.5 KW
2070		207 KW
2125		212.5 KW
2185		218.5 KW
2240		224 KW
2300		230 KW
2355		235.5 KW
2420		242 KW
2470		247 KW
2530		253 KW
2585		258.5 KW
2650		265 KW
2700		270 KW

I		Indoor Unit
O		Outdoor Unit

HW		Hi Wall Split
DL		Ducted Low Static
DM		Ducted Medium
DH		Ducted Hi static
FS		Free Standing
1CS		1-way Cassette
2CS		2-way Cassette
4CS		4-way Cassette
RCS		Round Flow Cassette
CM		Ceiling Mounted
FP		Fresh Air Processor
HRV		Heat Recovery Ventilator
AHU		Air Handling Unit

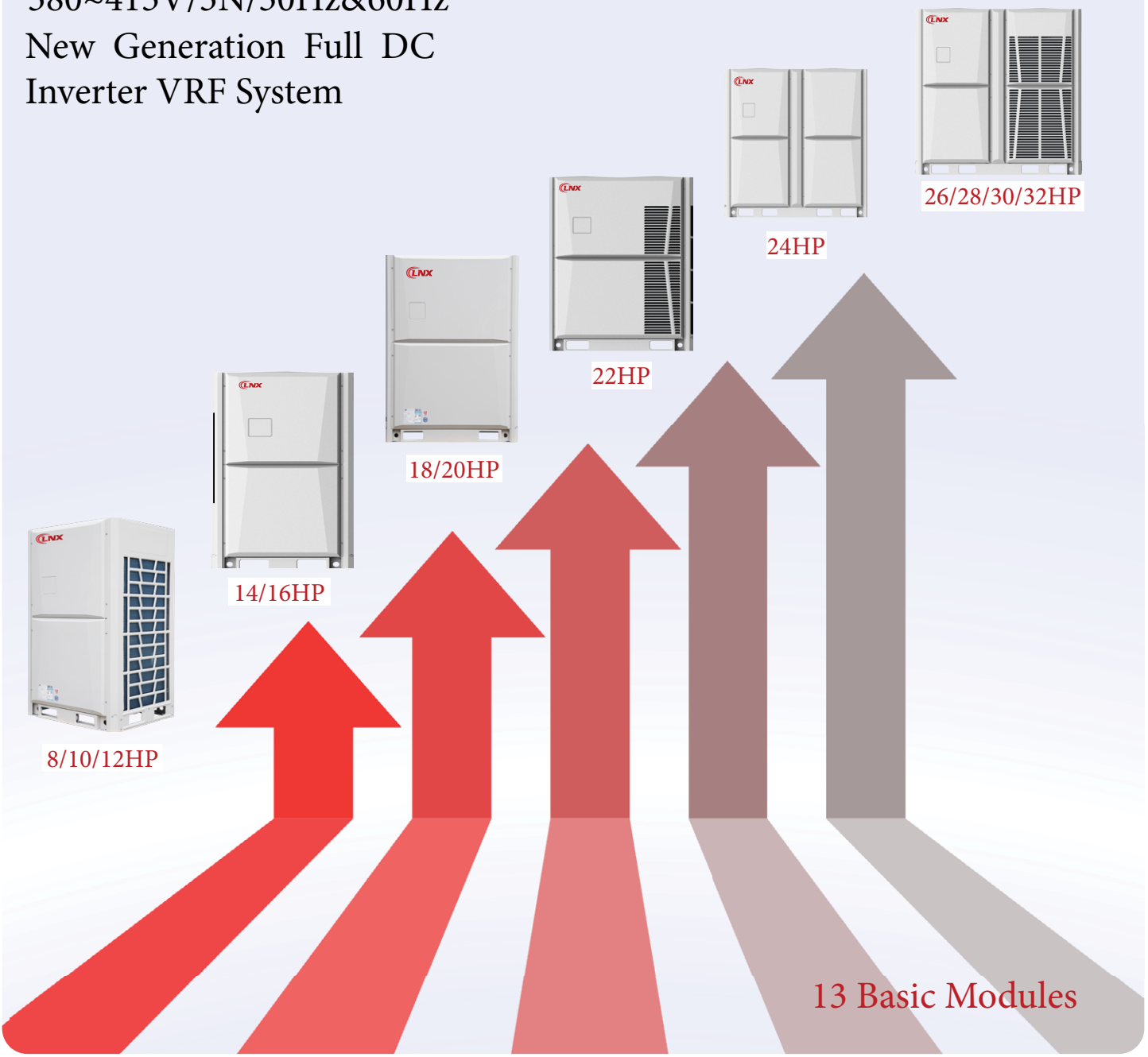
V		VRF - IDU/ODU

GC		GC Series Code

LNX		LNX

LNX Pro

380~415V/3N/50Hz&60Hz
New Generation Full DC
Inverter VRF System



Capacity	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP
	25.2kW	28kW	33.5kW	40kW	45kW	50kW	56kW	61.5kW	67kW	73kW	78.5kW	85kW	90KW

Compressor	DC	DC	DC	DC	DC	DC	DC	DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC
Fan Motor	DC	DC	DC	DC	DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC

Combination Table

8-22HP with SASO, ESMA, MEW certification

HP	Cooling Cap (kW)	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP
8	25.2	•							
10	28		•						
12	33.5			•					
14	40				•				
16	45					•			
18	50						•		
20	56							•	
22	61.5								•
24	67			• •					
26	73		•			•			
28	78.5		•				•		
30	85			•			•		
32	90		•						•
34	95			•					•
36	100					•		•	
38	106.6					•			•
40	111.5						•		•
42	117.5							•	•
44	123								• •
46	128.5			• •					•
48	134		•			•			•
50	140			•		•			•
52	145.5			•			•		•
54	152		•						• •
56	157			•					• •
58	163				•				• •
60	168.5					•			• •
62	175						•		• •
64	180							•	• •
66	184.5								• • •
68	190			• •					• •
70	195.5		•			•			• •
72	201.5			•		•			• •
74	207			•			•		• •
76	212.5		•						• • •
78	218.5			•					• • •
80	224				•				• • •
82	230					•			• • •
84	235.5						•		• • •
86	242							•	• • •
88	247								• • • •

Combination Table

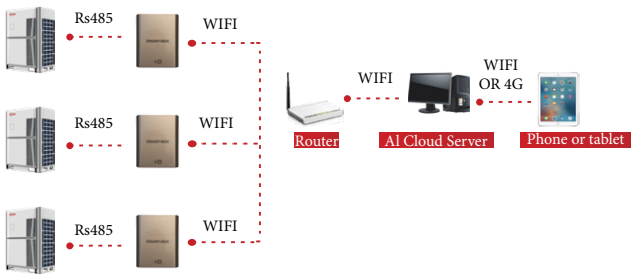
8-32HP without certification

HP	Cooling Cap (kW)	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP
8	25.2	•												
10	28		•											
12	33.5			•										
14	40				•									
16	45					•								
18	50						•							
20	56							•						
22	61.5								•					
24	67									•				
26	73										•			
28	78.5											•		
30	85												•	
32	90													•
34	95					•	•							
36	100						• •							
38	106.5					•			•					
40	111.5						•		•					
42	117.5							•	•					
44	123								• •					
46	128.5								•	•				
48	134									• •				
50	140								•			•		
52	145.5									•		•		
54	152									•			•	
56	157									•				•
58	163										•			•
60	168.5											•		•
62	175												•	•
64	180													• •
66	184.5								• • •					
68	190								• •	•				
70	195.5								•	• •				
72	201.5								• •			•		
74	207						•					• •		
76	212.5									• •		•		
78	218.5								•			• •		
80	224									•		• •		
82	230										•	• •		
84	235.5											• • •		
86	242											• •	•	
88	247											• •		•
90	253										•			• •
92	258.5											•		• •
94	265												•	• •
96	270													• • •

Features

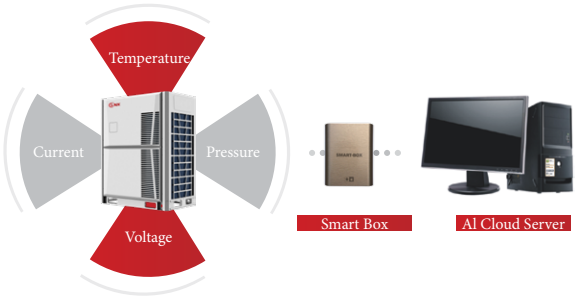
Long Distance Remote Control

Long distance remote control by phone or tablet.



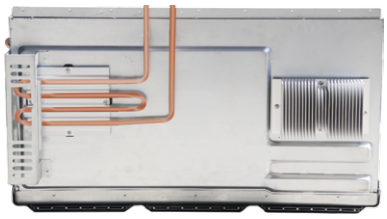
Malfunction Forecasting

- Thanks to the Al cloud server, malfunction can be forecasted when system running parameter is abnormal.
- Technician can be sent to site to check the system before it stops

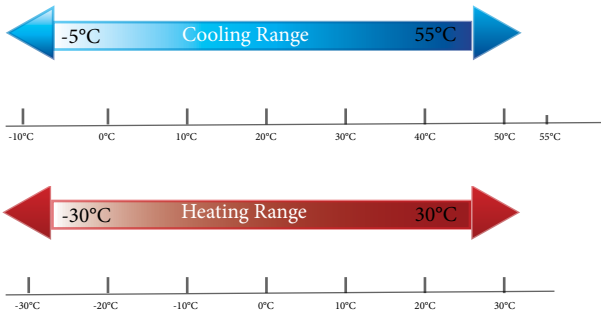


Refrigerant Cooling Design

We use refrigerant to cool down inverter modular board to keep it in a safe condition even when outdoor temperature is up to 55°C

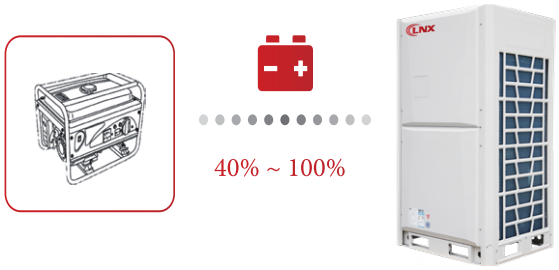


Wide Outdoor Operation Range



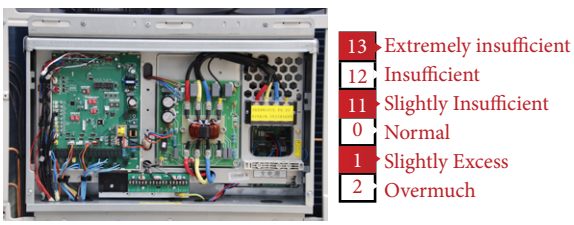
Power Saving Mode

According to power usage, realize 7-level power limit setting.



Refrigerant Status Detection

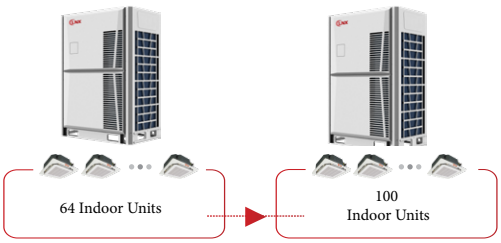
Built-in with smart refrigerant auto check function, which can give suggestion about refrigerant status. Different code means different refrigerant status:



Features

More indoor units

Maximum 100 indoor units can be connected in one system.

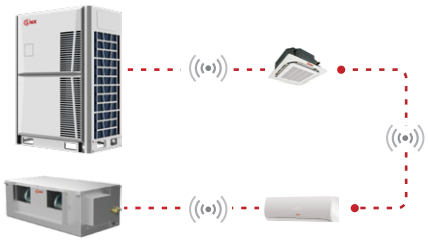


Electrical Lock Function(optional)

In case of end user doesn't pay as contract, electrical lock function can be used to stop VRF system, and end user can not start the system without permission. System can be unlock with password by authorized technician

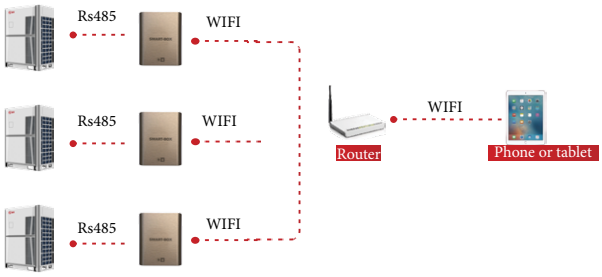
Wireless Communication(optional)

Wireless communication between indoor units. Wireless communication between indoor unit and outdoor unit.



Online Diagnosis

Technician can do the commissioning & diagnosis by phone or tablet online

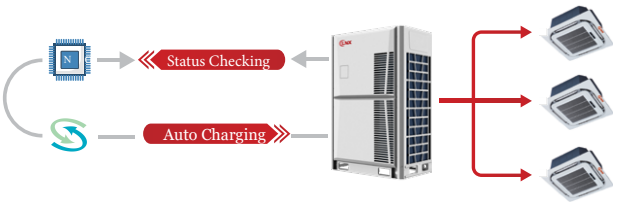


Service Window On Front Cover

Thanks to the service window, checking outdoor units status and setting is now easy, no need to remove the front cover.

Auto Charging Refrigerant(optional)

LNX PRO can customize with auto refrigerant charging function, additional solenoid valve will be added in gas pipe, and outdoor unit will control the valve to charge refrigerant.



13 Basic Modules

8/10/12HP 14/16HP 18/20HP 22HP 24HP 26/28/30/32HP

Maximum 96 HP

Max.3 outdoor units can be freely combined to become a larger unit. The maximum capacity of single system is 96HP.

When 4 outdoor units are combined, the single unit capacity can not exceed 24HP

Advantages

1 High Efficiency

2 Benefits For Users

3 Benefits For Installers

WAVES OF COOL BREEZE JUST LIKE MAGIC!

High Efficiency

1

Low carbon life advocate

LNX always focus on low carbon energy saving products development, and spare no effort for technological research and development, to become a practitioner and advocate of low carbon technology.

Core Technologies Make High Efficiency

BRUSHLESS DC MOTOR

High efficiency
Low noise

180° SINE WAVE CONTROL

High precision rotor
speed control

STEPLESS CONTROL

On-demand output, high
efficiency and energy saving

CCT INNER-GROOVED TUBE

Excellent heat-exchanging
efficiency

2-IN-1 REFRIGERANT FLOW PATH

Increase the liquid refrigerant
volume proportion

CROSS FLOW FINS

Reduce wind resistance and
improve heat exchange efficiency

DC INVERTER COMPRESSORS

High pressure type
Asymmetric scroll design
Neodymium permanent
Magnet rotor

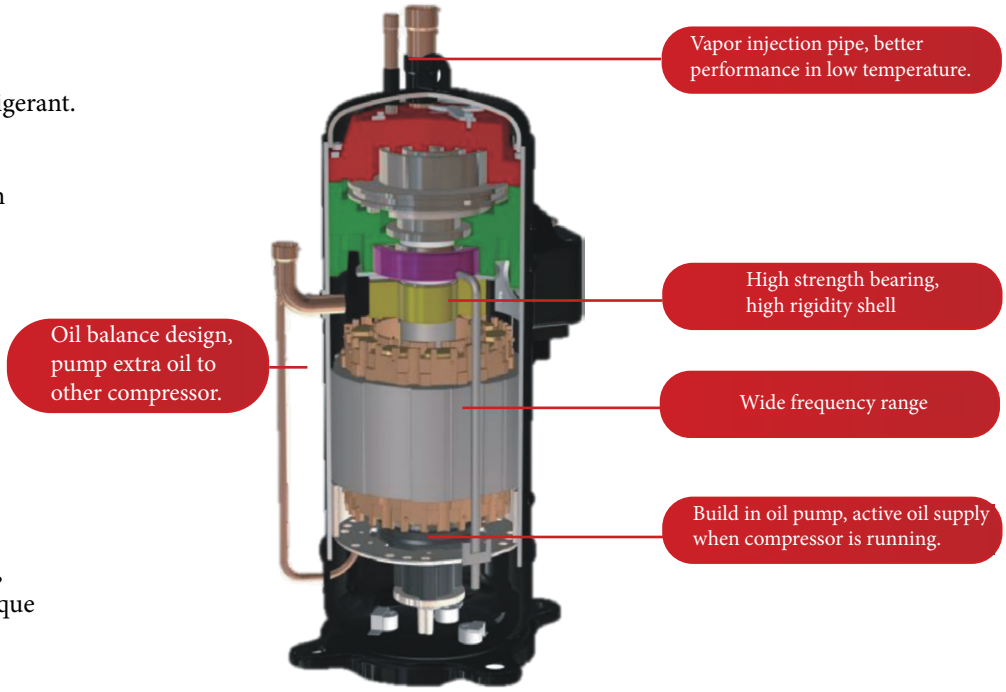
G TYPE CONDENSER

Enlarge the heat exchange area,
and the heat exchange effect is better
(Available for 22/26/28/30/32HP)

High Efficiency DC Inverter Compressor

- From Hitachi, famous inverter compressor manufacturer.
- R410A environmentally balanced refrigerant.
- Small torque fluctuation, low vibration and quiet operation.
- High efficiency due to its internal structure design.
- Internal oil circulation structure.
- High reliability.
- Wide rotation speed range.
- Neodymium permanent magnet rotor, has powerful magnetic force, large torque and high efficiency.
- Concentrated winding, improving low frequency effciency.
- High pressure chamber

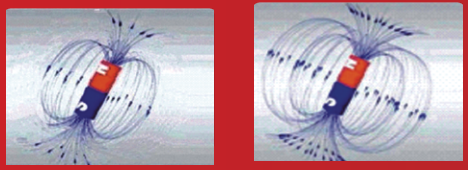
Has small suction superheat and high refrigerant volume effciency



Has large refrigerant discharge buffer volume, low vibration and noise.

Neodymium permanent magnet rotor

Powerful magnetic force, large force moment and high efficiency



Ferrite magnet | Neodymium permanent magnet

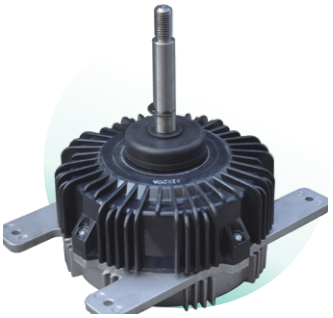
Concentrated winding

Magnetic efficiency is 12% higher than distributed winding

Concentrated winding | Distributed winding

High efficiency DC motor

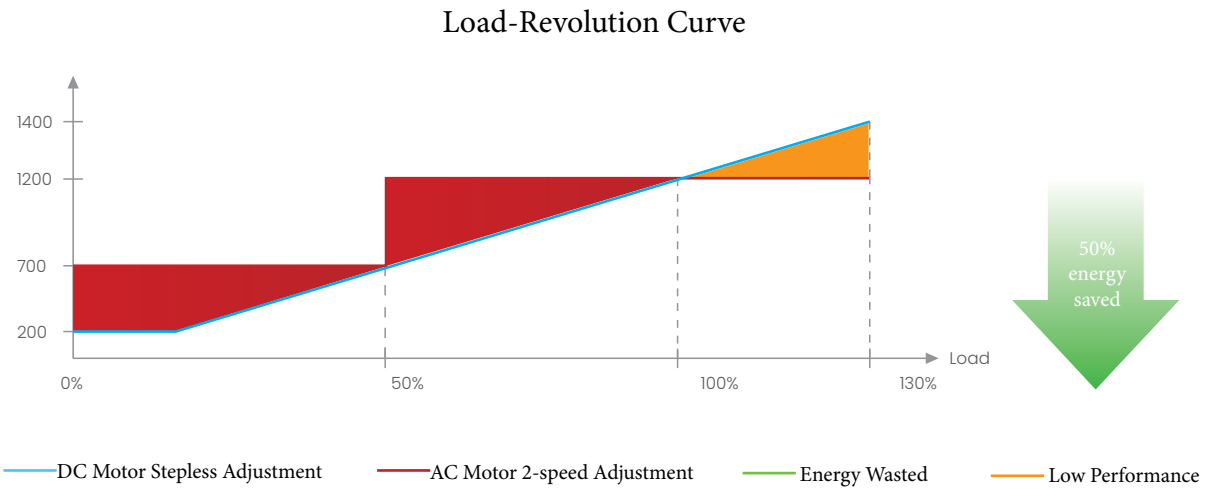
- High efficiency DC fan motor is from well-known brand.
- Low noise and high efficiency because of high-density wire winding engineering.
- Brushless with built-in sensor.



DC fan motor

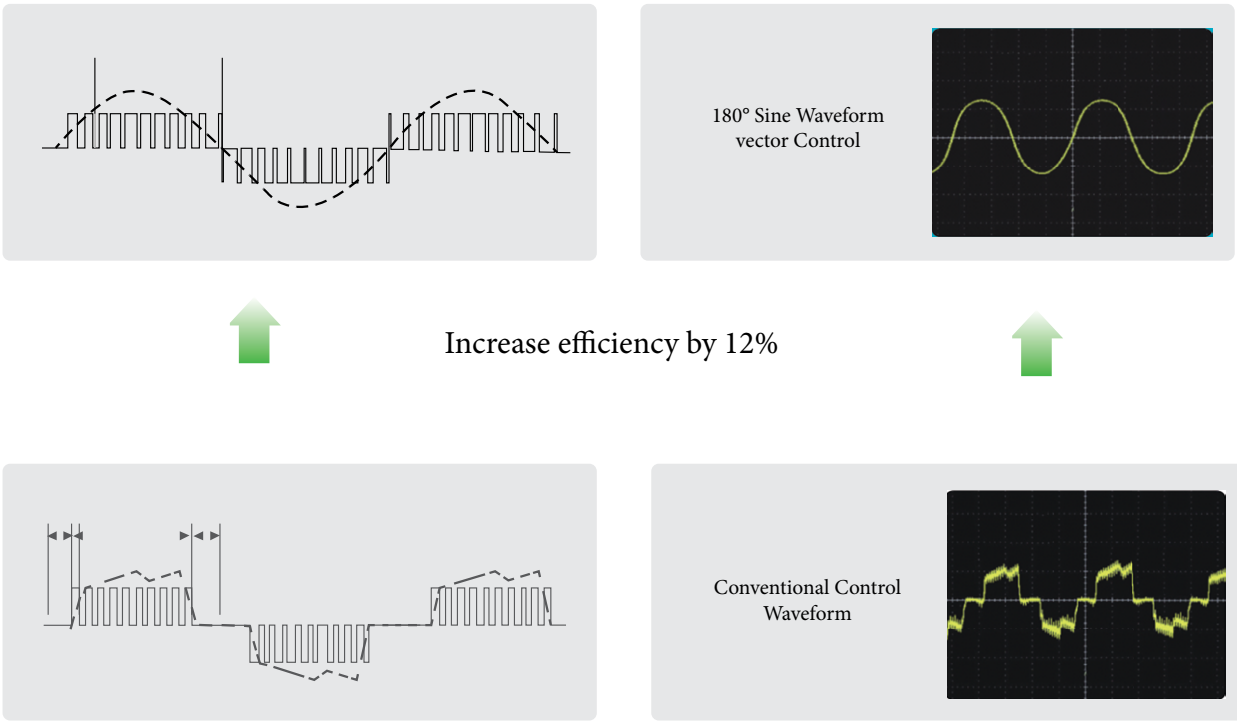
Stepless Control

DC fan motor can be stepless contolled by outdoor PCB according to system's operating pressure and it is able to reduce the energy consumption.



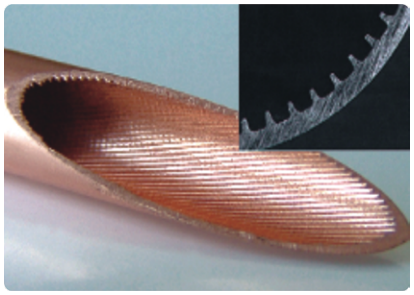
180° Sine Waveform Control

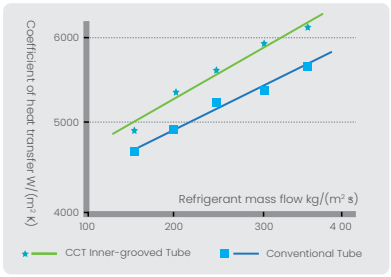
The perfect combination of 180° Sine waveform rotor frequency drive control technology and excellent IPM inverters, reduces the reactive loss of motor-driven, increases motor efficiency by 12%.

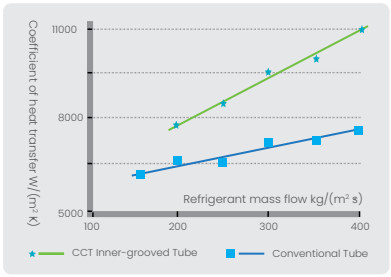


CCT Inner-grooved Tube

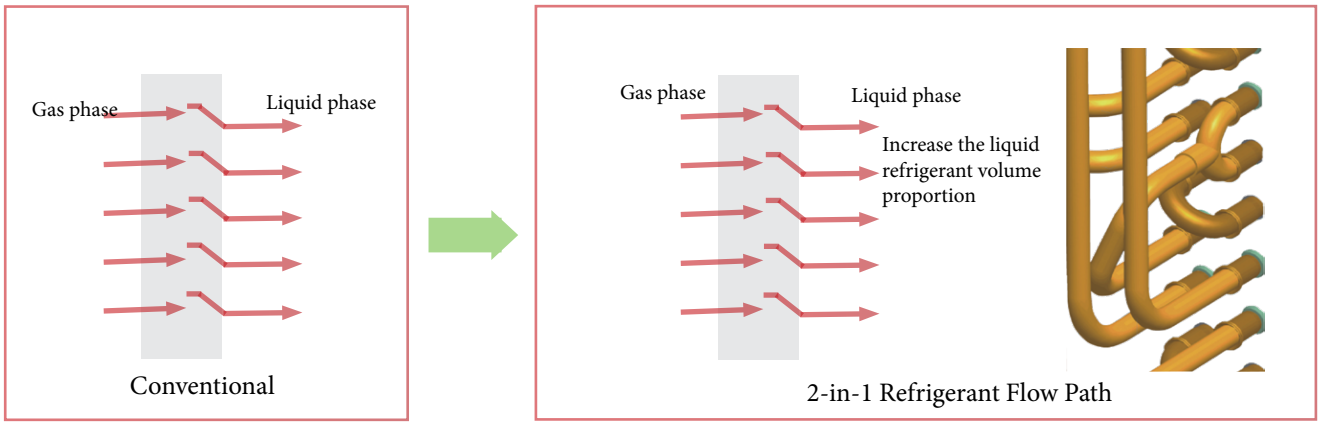
CCT (Continuous Cooling Transformation)inner-grooved copper tube has high thermometic conductivity. This inner-grooved fins break the refrigerant flow boundary layer to enhance refrigerant disturbance to increase heat-exchanging efficiency

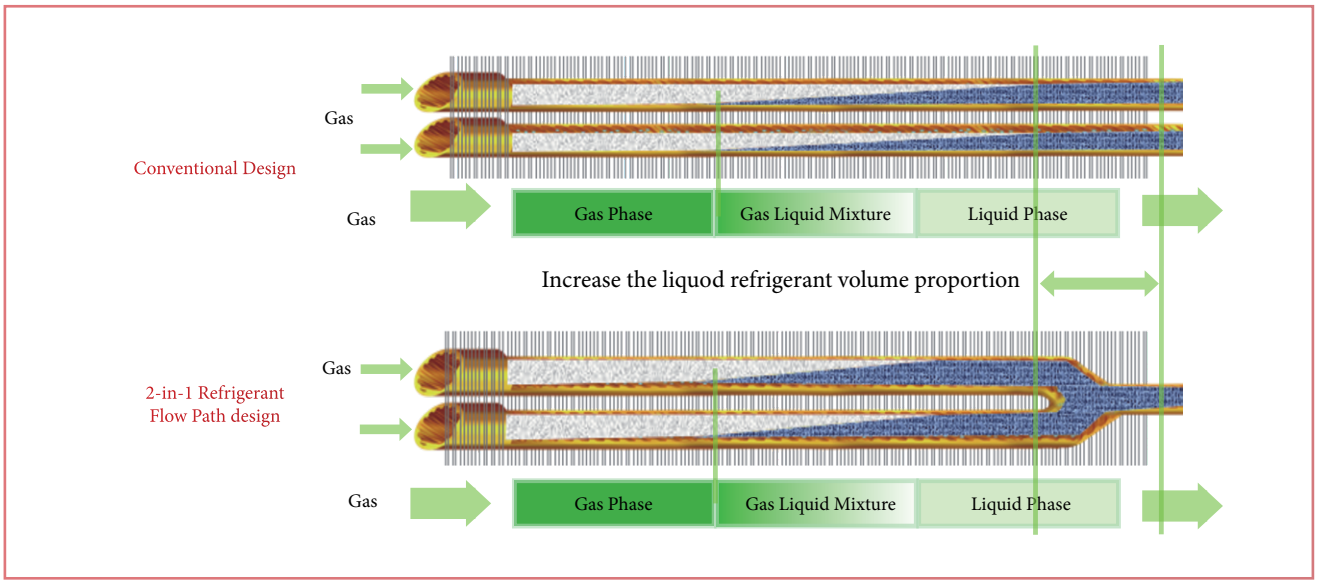






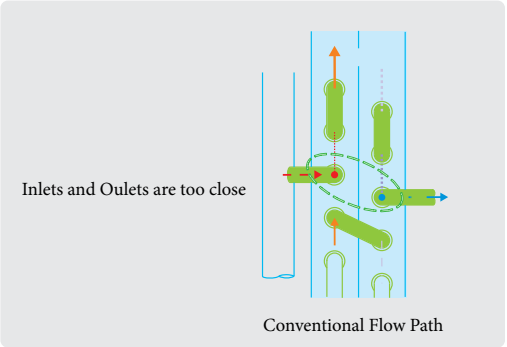
2-in-1 Refrigerant Flow Path Design

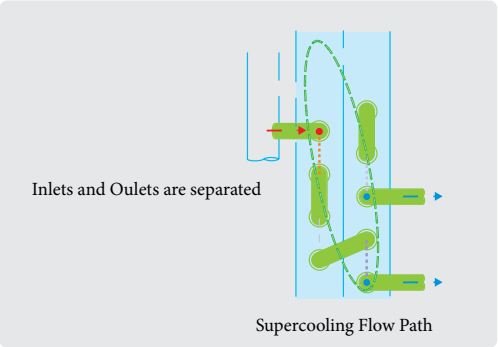




Supercooling Flow Path Design

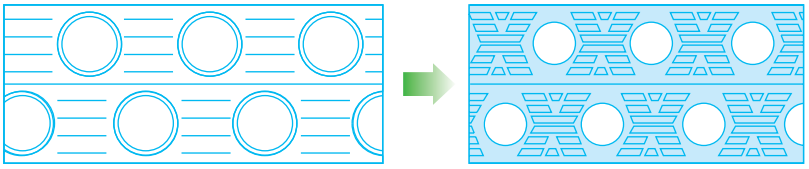
Supercooling flow path design, separates the refrigerant inlet and outlet, increase the supercooling degree, reduce the effect of high temperature inlet gas refrigerant to low temperature outlet liquid refrigerant, therefore,the system efficiency will be greatly increased.



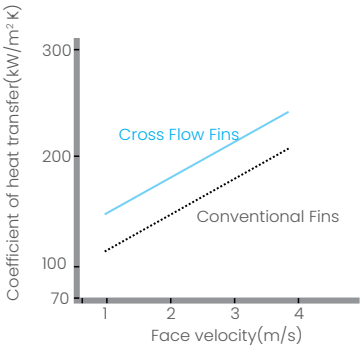


Cross Flow Fins

- Has low air resistance and great heat transfer coefficient.
- Frosting improved, frost on the heat-exchanger will be well-distributed, easy for defrosting

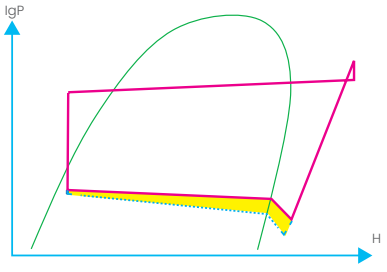


Conventional Fins　　Cross Flow Fins



Low Resistance Internal piping

- Thanks to the optimization pipeline design, 5% pressure drop are reduced.
- EER and COP increase, because of evaporating temperature increase and compressor work decrease.

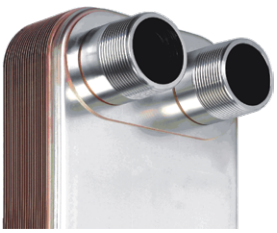


New structure cycle　　Original compressing cycle

5% Pressure drop decrease

The PHE Economizer

- PHE Economizer technology provide an additional sub cooling.
- Improved heat exchanger+PHE economizer+Optimized control logic.
- Heating performance highly increased



PHE Economizer

Benefits For Users

2

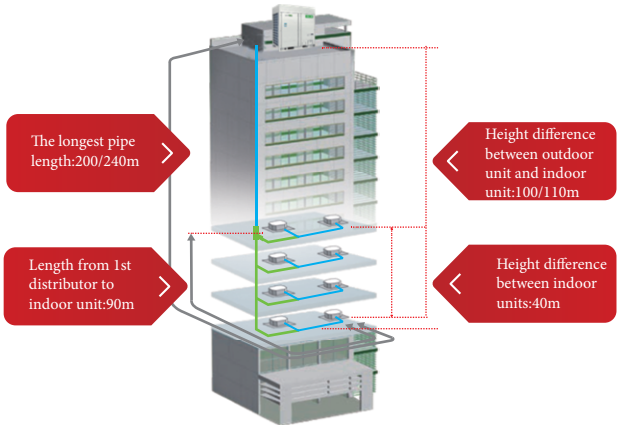
Livable environment provider

LNX focuses on starting point of CAC system: provides a friendly, comfortable and pleasant living environment as always. DC inverter VRF system's comfort technologies include quick cooling and heating, precise temperature control, low noise, use environmentally balanced refrigerant and so on, we strive to provide livable environment for users.

Refrigerant Piping

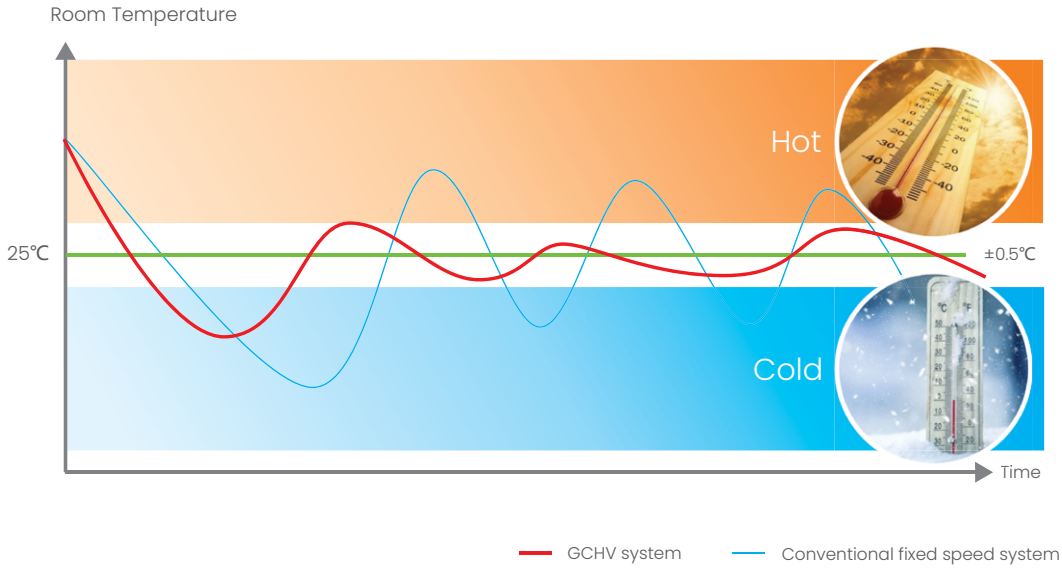
The total pipe length	1000m
The longest pipe length	200/240m
Height difference	Outdoor unit above <100m Outdoor unit below <110m
Height difference between indoor units	40m
Length from first indoor distributor to last indoor unit	90m
Communication wire length	can be upto 1000m

* Please refer to the installation manual for detailed length description



Outstanding Comfort Ability

- LNX system have excellent cooling&heating performance, thanks to the high efficiency DC fan motor, DC compressor and optimized refrigerant flow control logic.
- Precisely room temperature control by adopting 2000 pulse EXV. Indoor temperature fluctuation can be maintain within 0.5°C, offers outstanding comfort ability.

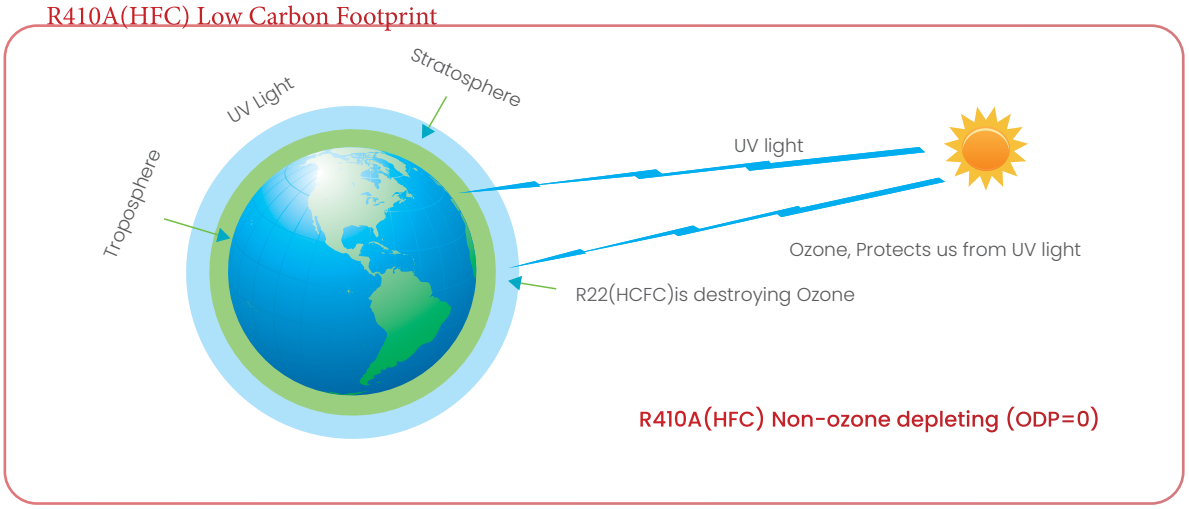


Wide Operation Range

LNX has a wide ambient temperature operation range, cooling at -5-55°C, and heating at -30-30°C.

Environmentally Balanced Refrigerant

Refrigerant R410A(HFC), low carbon footprint, non-ozone depleting

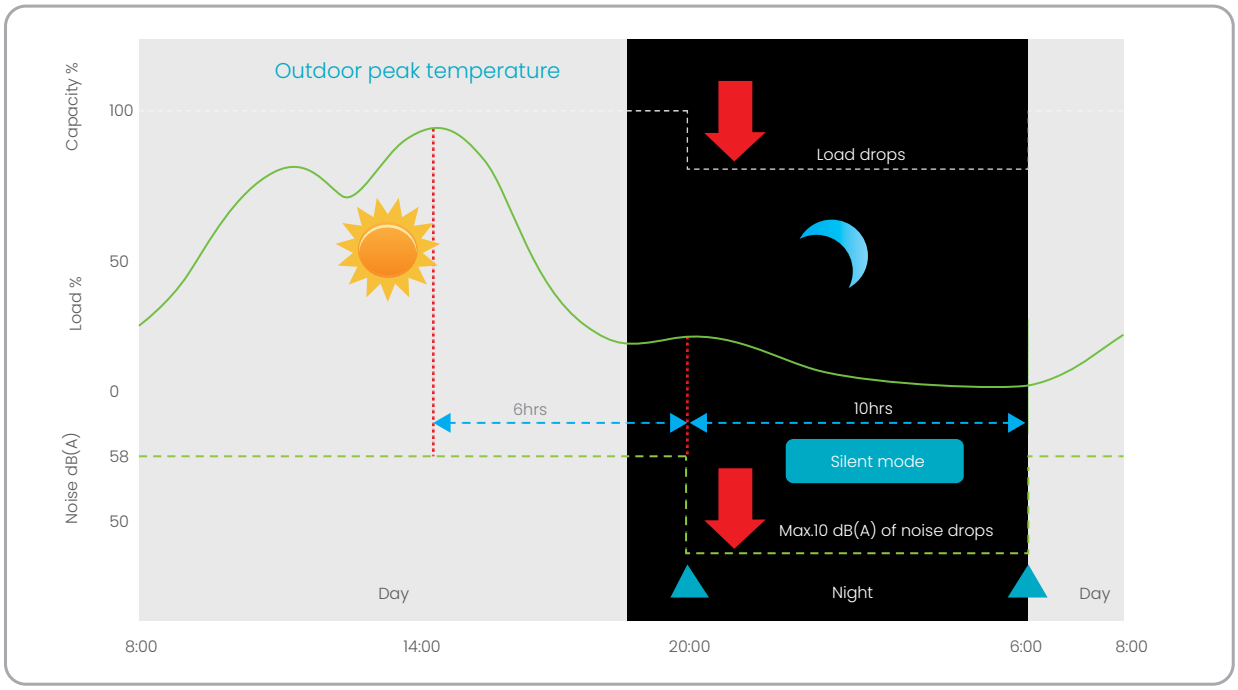


Snow-proof Function

In the cold weather, outdoor fan will start to run for a while at intervals to prevent the snow to accumulate on fan blade, because accumulated snow will freeze and block fan blade rotating, even worse it will damage the motor.

Night Mode

- Compressor and fan motor rotating speed can be reduced to lower the noise at night.
- Maximum 10dB(A) decrease.



Low Noise Fan Blade

Fan blade with 7 noise reduction design, effectively reduce the noise while operation.

1. Front edge curve design
2. Tail edge cut design
3. Thickened front edge design
4. Outer edge turn design

5. Bionic fan blade design
6. Concave fan blade design
7. Anti-resonance design

3-Stage Back Up Function

Module back up function.

When some modules are failure,the others can keep running by simply settings.

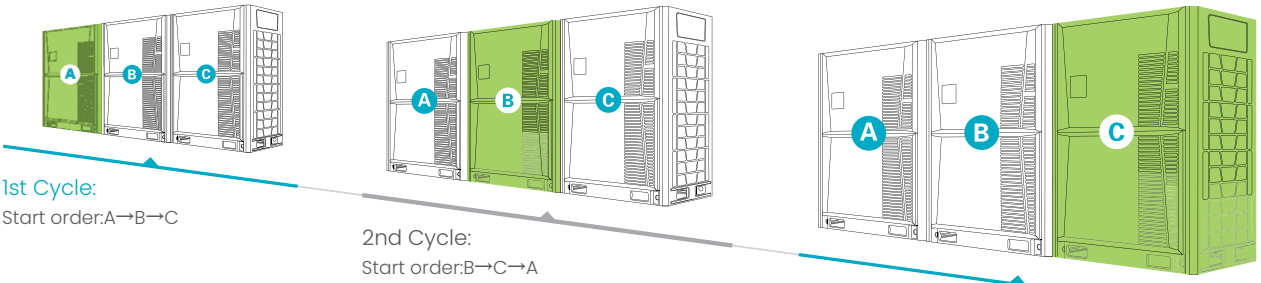
Compressor back up function

When one compressor is failure,the other one can keep running by simply settings.

Fan motor back up function

When one fan motor is failure,the other one can keep running by simply settings.

All Outdoor Units Cycle Operation



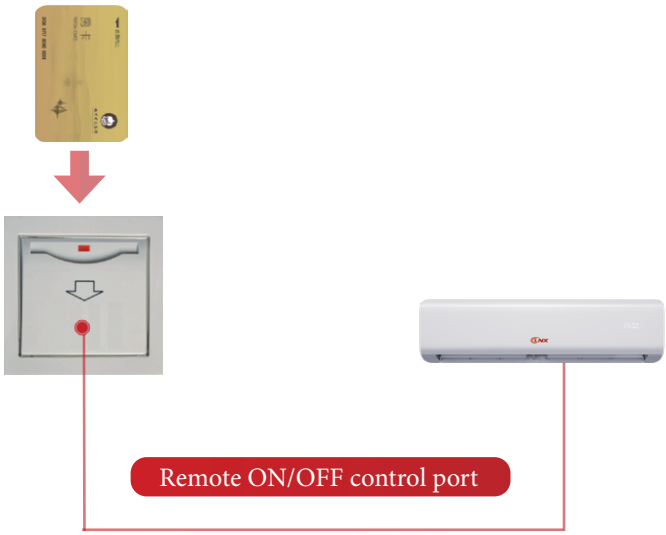
- In one combination system, any outdoor unit can run as master unit.
- Cycle operation equalizes the running time of the outdoor units, greatly extending the lifespan of outdoor units in one system.

IDU and ODU Positioning Function

Turn on the positioning function through the controller, and all the IDU and ODU of the same system will beep through the built-in buzzer, which is convenient for quick positioning during system commissioning, troubleshooting and after sales maintenance.

Remote ON/OFF Control Function

- Indoor units standard build in with ON/OFF control port.
- It can be used for hotel card control and also can be used for long distance remote ON/OFF control.
  And no need additional hotel VRF indoor unit control module.
- When contactor is open(card pulled out), indoor unit will be off can not be controlled, current running parameters will be saved in indoor PCB.
- When contactor is close(card insert), indoor unit will recover previous running state



Intelligent Defrosting Program

5 special defrosting mechanisms

The dedicated temperature sensor monitors the temperature of the condenser coil of the outdoor unit in real time, intelligently selects the defrost mechanism and judges the timing of defrost, effectively prolongs the normal heating time, improves comfort, and achieves energy-saving effects.

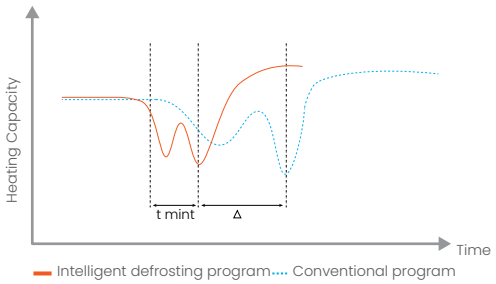
- Normal temperature and low humidity defrosting mechanism
- Low temperature and low humidity defrosting mechanism
- Ultra-low temperature environment defrosting mechanism
- Normal temperature and high humidity defrosting mechanism
- Low temperature and high humidity defrosting mechanism

Defrost Curve

Program starts only when unit needs to. Whereas conventional unit's defrosting timing & duration is fixed, causing fluctuations in temperature and personal comfort.

Conventional unit's defrosting timing & duration is fixed

Intelligent defrosting program starts according to heat exchanging efficiency & capacity change due to the frost. Less temperature fluctuations, people feel more comfortable.



Benefits For Installers

3

Optimization for designer and installer

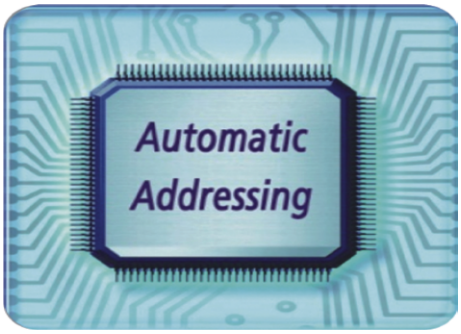
LNX DC inverter VRF system is designed with flexible modular combination concept,we keep optimizing the module size,reduce equipment on space occupied to meet the demand of designer and installer. Some unique technologies are used for our installers to reduce their working load,installation is becoming easier and easier.

Adjustable Outdoor Fan Static Pressure

- Thanks to DC fan motor, the external static pressure of outdoor fan is adjustable.
- Outdoor units can be installed in the service floor or facility room.
- Maximum ESP 80 Pa.

Touch Screen Wired Controller

- Air filter cleaning reminding function.
- Touch screen with black background and blue light
- Ultra thin body and stylish design meet high-end environments.
- On/off, temperature setting, fan speed setting, mode setting, timer and check function



Addressing Methods

- 2 addressing methods:

  Automatically addressing: system will distribute address to indoor unit automatically.
  Manually setting by wired controller or wireless remote controller.

- Addressing method can be selected easily by adjusting the switch on outdoor PCB.

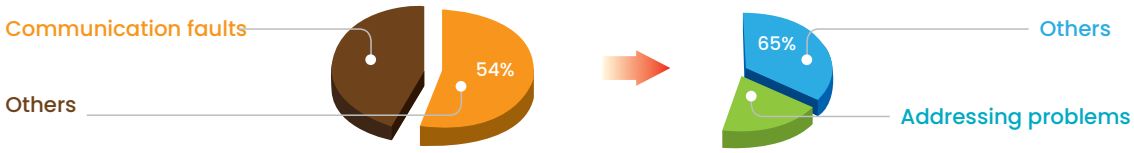
Automatic Addressing

Automatic addressing will reduce artificial faults by 35% and 5% manual works.

54% system failure were caused by communication faults.

65% communication faults were caused by address problems.

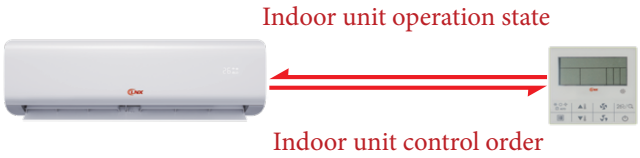
Most of the address problems were: address setting forgotten, wrong settings, address repeat.



Failure chart

New Wired Controller

- Bidirectional communication. Indoor unit's operating parameters(error code, temperature, address) can be inquired and displayed on the controller.
- Compact design.
- Timer function



User can check the error code and inquiry unit status very easy, safe and convinient.

Digital Display On The PCB

Digital display on the PCB, it can show system's operation status and error codes.

Record error code list at main PCB chip, easy for service people to check.

Service Window

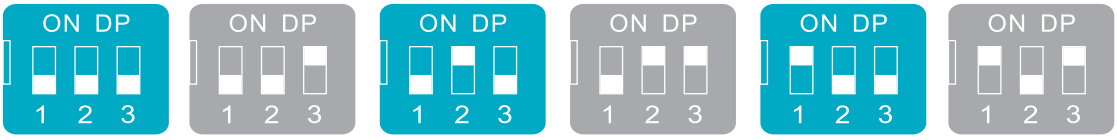
Thanks to the service window, checking outdoor unit's status and setting is now easy, no need to remove the electric control box cover.

Mode Restriction

- 6 kinds of mode restriction

-Auto priority (Default Setting) -Cooling (or heating) priority mode -Cooling only (or heating only)mode. -VIP unit priority+AUTO priority mode

Mode restriction function can be selected on the outdoor PCB.

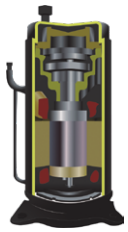


Auto priority (Default Setting) | Heating priority | Cooling priority | Heating only | Cooling only | VIP unit priority +AUTO priority

5-Stage Oil Control

1st stage

Compressor internal oil separation
Oil separator



2nd stage

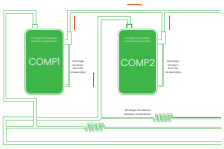
Oil return from the oil even pipe
Oil level control

3rd stage

Oil return from the system oil separator
Oil separator

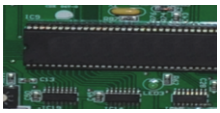
4th stage

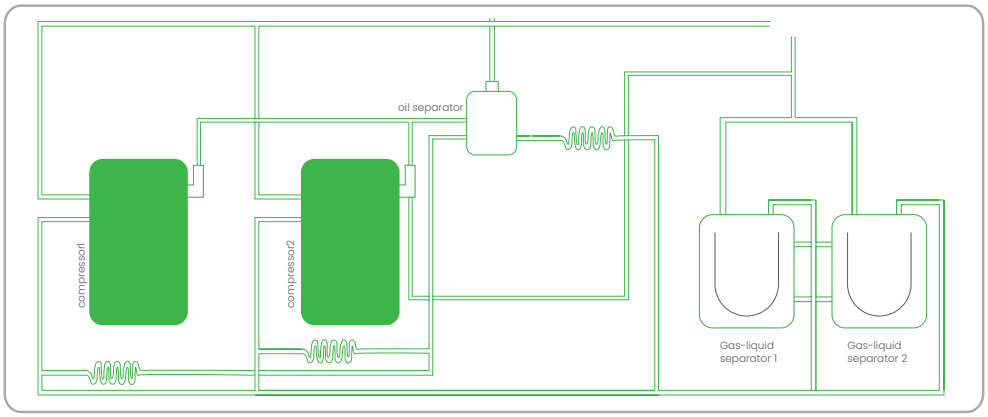
Oil balance between compressors
Oil balance pipe



5th stage

Oil return by system oil return program
Intelligent oil return program



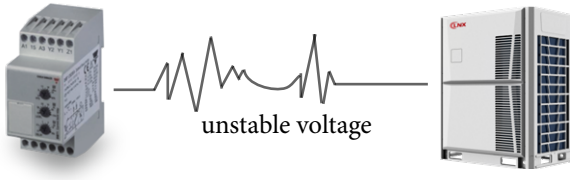


Humanized Internal Structure

- All key components are designed to close to outside, it is convenient for repair and replacement.
- Thanks to the new balanced– technology, gas balance pipe does no longer exist, brazing points and leaking risk are decreased.

3-Phase Power Protector(Optional)

Protect the outdoor unit from instable voltage.



Easy Installation

Easy for the outdoor unit to transport to roof floor by elevator due to its compact size.

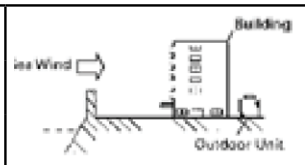
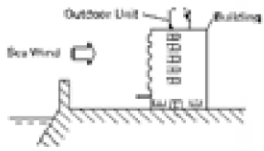
360° Pipe Connection

- The outlet pipe of the outdoor unit can be extended to all directions through the bottom space;
- No outlet pipe on the front can improve the aesthetics of installation.

Anti-Corrosion Protection

Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

Depending on the location from coast line and wind direction,LNX recommends different types of anti-corrosion protection to guard the equipment and guarantee optimal life span and performanced

Environment				Protection Type		Service Contract
Wind Direction		Distance from Sea Shore		Standard	Heavy	
Indirect		Standard	> 2km	✓	×	Recommended
		Mild Coastal	500m - 2km	✓	Recommended	Recommended
		Severe Coastal	0 - 500m	✓	Highly Recommended	Highly Recommended
Direct		Standard	> 2km	✓	Recommended	Recommended
		Mild Coastal	500m - 2km	✓	Highly Recommended	Highly Recommended
		Severe Coastal	0 - 500m	✓	MUST	MUST

Alternative Choices and Proposed Guidance

LNX Anti-Corrosion Solutions for maximum peace of mind

For prolonged lifespan of the condenser coil and other components with Anti-Corrosion Protection coating, the following recommendations for care and maintenance should be followed:

Do's

- Regular washing of the condenser coil with fresh water bi-monthly)
- Clear all unwanted debris and dirt deposits within the unit
- Touch up any rusty parts / components
- Handle equipment with care to prevent scratches

Don'ts

- Use unknown chemical or acidic based solution
- Scratches or crack the anti-corrosion protection coating
- Direct contact with sea water or coastal sand
- Leave any debris on the bottom tray

LNX Pro

NEW DC INVERTER EVI VRF SYSTEM

Model Name			LNXGCVO252S0M3HPD	LNXGCVO280S0M3HPD	LNXGCVO335S0M3HPD	LNXGCVO400S0M3HPD	LNXGCVO450S0M3HPD
Power Supply			380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz
Performance Data							
Cooling	Capacity	HP	8HP	10HP	12HP	14HP	16HP
		KW	T1:25.2/T3:22.2	T1:27.9/T3:24.6	T1:33.3/T3:28.2	T1:39.9/T3:33.6	T1:45/T3:37.2
		Btu/h	T1:86000/T3:76000	T1:95000/T3:84000	T1:114000/T3:96000	T1:136000/T3:114000	T1:154000/T3:126000
		RT	T1:7.2/T3:6.4	T1:8.0/T3:7.03	T1:9.5/T3:8.06	T1:11.4/T3:9.6	T1:12.8/T3:10.6
	Rated current	A	T1:12.0/T3:13.4	T1:13.4/T3:15.2	T1:16.2/T3:17.9	T1:19.5/T3:22.1	T1:22.7/T3:24.5
	Power input	kW	T1:7.5/T3:8.4	T1:8.37/T3:9.5	T1:10.12/T3:11.2	T1:12.22/T3:13.80	T1:14.19/T3:15.3
	EER	(Btu/h)/W	T1:11.5/T3:9.05	T1:11.35/T3:8.85	T1:11.25/T3:8.55	T1:11.15/T3:8.25	T1:10.8/T3:8.25
Heating	Capacity	kW	27.2	31.35	37.2	45.1	49.8
		Btu/h	93000	107000	127000	154000	170000
		RT	7.8	8.96	10.63	12.9	14.2
	Rated current	A	11.8	14.4	18.1	21.80	24.9
	Power input	kW	7.40	9.00	11.30	13.60	15.60
	COP	W/W	3.68	3.48	3.29	3.32	3.19
Max. input consumption		kW	13.4	14.3	14.8	18.3	18.8
Max. Current		A	23.1	24.7	25.5	30.8	31.7
Capacity adjustment range			50%~130%				
Compressor Data							
Compressor	Quantity		1				
	Type		Scroll Compressor				
	Brand		HITACHI				
Physical Data							
Refrigerant	Type		R410A				
	Volume	Kg	9		11	14	
	Throttle type		EXV				
Dimension (WxHxD)	Net	mm	990x1740x840			1340x1740x840	
	Packing	mm	1060x1900x910			1410x1900x910	
Weight	Net	Kg	228		230	275	
	Gross	Kg	240		242	293	
Outdoor sound level			58		60	60	61
Max. operating range		Mpa	4.5				
Piping Data							
Pipe size	Liquid pipe	mm	Φ12.7			Φ15.88	
	Gas pipe	mm	Φ22.2			Φ28.6	
Max. pipe length	Total pipe length	m	1000			1000	
	ODU to farthest IDU (Acual length)	m	200			200	
	ODU to farthest IDU (Equivalent length)	m	240			240	
	1st IDU distributor to farthest IDU	m	40/90			40/90	
Max. vertical length	Between ODU & IDU (ODU above IDU)	m	100			100	
	Between ODU & IDU (ODU below IDU)	m	110			110	
	Between IDUs	m	40			40	
	Between ODUs	m	0			0	
Operation Temperature Range							
Cooling	Outdoor side	℃	-5~55			-5~55	
	Indoor side	℃	16~32			16~32	
Heating	Outdoor side	℃	-30~30			-30~30	
	Indoor side	℃	16~32			16~32	

Notes:

1. Cooling operating temperature range is from -5°C to 55°C (It can be customized down to -10°C). Heating operating temperature range is from -30°C to 30°C.
2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
4. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
5. The above data may be changed without notice for future improvement on quality and performance.

LNXGCVO500S0M3HPD	LNXGCVO560S0M3HPD	LNXGCVO615S0M3HPD	LNXGCVO670S0M3HPD	LNXGCVO730S0M3HPD	LNXGCVO785S0M3HPD	LNXGCVO850S0M3HPD	LNXGCVO900S0M3HPD
380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz	380~415V/3N/50&60Hz
18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP
T1:50/T3:41.5	T1:56/T3:46	T1:61.5/T3:49	T1:67/T3:56.3	T1:73/T3:60.59	T1:78.5/T3:64.4	T1:85/T3:68.8	T1:90/T3:72.5
T1:170000/T3:142000	T1:192000/T3:156000	T1:208000/T3:168000	T1:228600//T3:192025	T1:249100/T3:206750	T1:267800/T3:219600	T1:290000/T3:235000	T1:307100/T3:247200
T1:14.3/T3:11.6	T1:16/T3:13.1	T1:17.6/T3:14	T1:19.1/T3:16.0	T1:20.8/T3:17.3	T1:22.3/T3:18.3	T1:24.2/T3:19.6	T1:25.6/T3:20.6
T1:25.1/T3:27.4	T1:28.7/T3:30.8	T1:31.3/T3:32.6	T1:33.5/T3:36.6	T1:36.6/T3:39.8	T1:39.6/T3:42.3	T1:43.3/T3:45.5	T1:46/T3:48.4
T1:15.7/T3:17.15	T1:17.94/T3:19.25	T1:19.6/T3:20.4	T1:21/T3:22.9	T1:22.9/T3:24.9	T1:24.8/T3:26.5	T1:27.1/T3:28.5	T1:28.8/T3:30.3
T1:10.85/T3:8.25	T1:10.65/T3:8.1	T1:10.65/T3:8.20	T1:10.90/T3:8.35	T1:10.85/T3:8.3	T1:10.8/T3:8.28	T1:10.7/T3:8.25	T1:10.65/T3:8.15
56.3	62.7	68.6	75	81.5	87.5	95	100
192000	214000	234000	255900	278100	298600	324100	341200
16.1	17.9	19.6	21.3	23.2	24.88	27.0	28.4
28.6	32.10	35.70	36.5	40.20	44.10	48.30	51.70
17.90	20.10	22.30	22.80	25.08	27.52	30.16	32.26
3.15	3.12	3.08	3.29	3.25	3.18	3.15	3.10
22.0	24.4	25.0	26.2	30.1	30.7	35.8	37.7
37.4	41.1	42.1	43.2	50.8	51.8	60.4	63.6
50%~130%							
1			2				
Scroll Compressor			Scroll Compressor				
HITACHI			HITACHI				
R410A							
15	16			20		23	
EXV							
1340x1740x840			1990x1740x840				
1410x1900x910			2060x1900x910				
285	290	297	388	433		480	
303	308	315	406	452		498	
62	63		62	63		64	
4.5							
Φ15.88				Φ22.2			
Φ28.6				Φ35.0			
1000				1000			
200				200			
240				240			
40/90				40/90			
100				100			
110				110			
40				40			
0				0			
-5~55				-5~55			
16~32				16~32			
-30~30				-30~30			
16~32				16~32			

LNX Pro

New DC inverter EVI VRF SYSTEM

Model Name			LNXGCVO252S0E3HPD	LNXGCVO280S0E3HPD	LNXGCVO335S0E3HPD
Power Supply			380~415V/3N/60Hz	380~415V/3N/60Hz	380~415V/3N/60Hz
Performance Data					
Cooling	Capacity	HP	8HP	10HP	12HP
		kW	T1:25.2/T3:22.2	T1:27.9/T3:24.6	T1:33.3/T3:28.2
		Btu/h	T1:86000/T3:76000	T1:95000/T3:84000	T1:114000/T3:96000
		RT	T1:7.2/T3:6.4	T1:8.0/T3:7.03	T1:9.5/T3:8.06
	Rated current	A	T1:10.9/T3:12.0	T1:12.2/T3:13.6	T1:14.7/T3:16.1
	Power input	kW	T1:6.8/T3:7.5	T1:7.6/T3:8.5	T1:9.2/T3:10.05
	EER	(Btu/h)/W	T1:12.65/T3:10.15	T1:12.50/T3:9.85	T1:12.40/T3:9.55
Heating	Capacity	kW	27.2	31.35	37.2
		Btu/h	93000	107000	127000
		RT	7.8	8.96	10.63
	Rated current	A	11	13.1	16.3
	Power input	kW	6.85	8.20	10.20
	COP	W/W	3.97	3.83	3.65
Max. input consumption		kW	13.4	14.3	14.8
Max. Current		A	23.1	24.7	25.5
Capacity adjustment range			50%~130%	50%~130%	50%~130%
Compressor Data					
Compressor	Quantity		1		
	Type		Scroll Compressor		
	Brand		HITACHI		
Physical Data					
Refrigerant	Type		R410A		R410A
	Volume	kg	9		11
	Throttle type		EXV		EXV
Dimension (WxHxD)	Net	mm	990x1740x840		990x1740x840
	Packing	mm	1060×1900×910		1060×1900×910
Weight	Net	kg	228		230
	Gross	kg	240		242
Outdoor sound level		dB(A)	58		60
Max. operating range		MPa	4.5		4.5
Piping Data					
Pipe size	Liquid pipe	mm	Ø12.7		
	Gas pipe	mm	Ø22.2		
Max. pipe length	Total pipe length	m	1000		
	ODU to farthest IDU (Acual length)	m	200		
	ODU to farthest IDU (Equivalent length)	m	240		
	1st IDU distributor to farthest IDU	m	40/90		
Max. vertical length	Between ODU & IDU (ODU above IDU)	m	100		
	Between ODU & IDU (ODU below IDU)	m	110		
	Between IDUs	m	40		
	Between ODUs	m	0		
Operation Temperature Range					
Cooling	Outdoor side	°C	-5~55		
	Indoor side	°C	16~32		
Heating	Outdoor side	°C	-30~30		
	Indoor side	°C	16~32		

Notes:

1. Cooling operating temperature range is from -5°C to 55°C (It can be customized down to -10°C). Heating operating temperature range is from -30°C to 30°C.
2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
4. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
5. The above data may be changed without notice for future improvement on quality and performance.

LNXGCVO400S0E3HPD	LNXGCVO450S0E3HPD	LNXGCVO500S0E3HPD	LNXGCVO560S0E3HPD	LNXGCVO615S0E3HPD
380~415V/3N/60Hz	380~415V/3N/60Hz	380~415V/3N/60Hz	380~415V/3N/60Hz	380~415V/3N/60Hz
14HP	16HP	18HP	20HP	22HP
T1:39.9/T3:33.6	T1:45/T3:37.2	T1:50/T3:41.5	T1:56/T3:46	T1:61.5/T3:49
T1:136000/T3:114000	T1:154000/T3:126000	T1:170000/T3:142000	T1:192000/T3:156000	T1:208000/T3:168000
T1:11.4/T3:9.6	T1:12.8/T3:10.6	T1:14.3/T3:11.6	T1:16/T3:13.1	T1:17.6/T3:14
T1:17.6/T3:19.4	T1:20.6/T3:21.8	T1:22.9/T3:24.6	T1:25.7/T3:27.3	T1:28.2/T3:28.9
T1:11.0/T3:12.10	T1:13.0/T3:13.60	T1:14.3/T3:15.5	T1:16.2/T3:17.05	T1:17.55/T3:18.16
T1:12.35/T3:9.40	T1:11.85/T3:9.25	T1:11.90/T3:9.15	T1:11.85/T3:9.15	T1:11.85/T3:9.25
45.1	49.8	56.3	62.7	68.6
154000	170000	192000	214000	234000
12.9	14.2	16.1	17.9	19.6
19.50	22.7	25.4	28.90	32.50
12.20	14.20	15.90	18.10	20.30
3.7	3.51	3.54	3.46	3.38
18.3	18.8	22.0	24.4	25.0
30.8	31.7	37.4	41.1	42.1
50%~130%	50%~130%	50%~130%	50%~130%	50%~130%
1				
Scroll Compressor				
HITACHI				
R410A	R410A	R410A	R410A	R410A
14	14	15	16	16
EXV	EXV	EXV	EXV	EXV
1340x1740x840	1340x1740x840	1340x1740x840	1340x1740x840	1340x1740x840
1410×1900×910	1410×1900×910	1410×1900×910	1410×1900×910	1410×1900×910
275	275	285	290	297
293	293	303	308	315
60	61	62	63	63
4.5	4.5	4.5	4.5	4.5
Ø15.88				
Ø28.6				
1000				
200				
240				
40/90				
100				
110				
40				
0				
-5~55				
16~32				
-30~30				
16~32				

LNX Pro

New DC inverter EVI VRF SYSTEM

Model Name			LNXGCVO252S0M3HPD	LNXGCVO280S0M3HPD	LNXGCVO335S0M3HPD
Power Supply			380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz
Performance Data					
Cooling	Capacity	HP	8HP	10HP	12HP
		kW	T1:25.2/T3:22.2	T1:27.9/T3:24.6	T1:33.3/T3:28.2
		Btu/h	T1:86000/T3:76000	T1:95000/T3:84000	T1:114000/T3:96000
		RT	T1:7.2/T3:6.4	T1:8.0/T3:7.03	T1:9.5/T3:8.06
	Rated current	A	T1:12.0/T3:13.4	T1:13.4/T3:15.2	T1:16.2/T3:17.9
	Power input	kW	T1:7.5/T3:8.4	T1:8.37/T3:9.5	T1:10.12/T3:11.2
	EER	(Btu/h)/W	T1:11.5/T3:9.05	T1:11.35/T3:8.85	T1:11.25/T3:8.55
Heating	Capacity	kW	27.2	31.35	37.2
		Btu/h	93000	107000	127000
		RT	7.8	8.96	10.63
	Rated current	A	11.8	14.4	18.1
	Power input	kW	7.40	9.00	11.30
	COP	W/W	3.68	3.48	3.29
Max. input consumption		kW	13.4	14.3	14.8
Max. Current		A	23.1	24.7	25.5
Capacity adjustment range			50%~130%	50%~130%	50%~130%
Compressor Data					
Compressor	Quantity		1		
	Type		Scroll Compressor		
	Brand		HITACHI		
Physical Data					
Refrigerant	Type		R410A		R410A
	Volume	kg	9		11
	Throttle type		EXV		EXV
Dimension (WxHxD)	Net	mm	990x1740x840		990x1740x840
	Packing	mm	1060×1900×910		1060×1900×910
Weight	Net	kg	228		230
	Gross	kg	240		242
Outdoor sound level		dB(A)	58		60
Max. operating range		MPa	4.5		4.5
Piping Data					
Pipe size	Liquid pipe	mm	Ø12.7		
	Gas pipe	mm	Ø22.2		
Max. pipe length	Total pipe length	m	1000		
	ODU to farthest IDU (Acual length)	m	200		
	ODU to farthest IDU (Equiv-alent length)	m	240		
	1st IDU distributor to farthest IDU	m	40/90		
Max. vertical length	Between ODU & IDU (ODU above IDU)	m	100		
	Between ODU & IDU (ODU below IDU)	m	110		
	Between IDUs	m	40		
	Between ODUs	m	0		
Operation Temperature Range					
Cooling	Outdoor side	°C	-5~55		
	Indoor side	°C	16~32		
Heating	Outdoor side	°C	-30~30		
	Indoor side	°C	16~32		

Notes:

1. Cooling operating temperature range is from -5°C to 55°C (It can be customized down to -10°C). Heating operating temperature range is from -30°C to 30°C.
2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
4. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
5. The above data may be changed without notice for future improvement on quality and performance.

LNXGCVO400S0M3HPD	LNXGCVO450S0M3HPD	LNXGCVO500S0M3HPD	LNXGCVO560S0M3HPD	LNXGCVO615S0M3HPD
380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz
14HP	16HP	18HP	20HP	22HP
T1:39.9/T3:33.6	T1:45/T3:37.2	T1:50/T3:41.5	T1:56/T3:46	T1:61.5/T3:49
T1:136000/T3:114000	T1:154000/T3:126000	T1:170000/T3:142000	T1:192000/T3:156000	T1:208000/T3:168000
T1:11.4/T3:9.6	T1:12.8/T3:10.6	T1:14.3/T3:11.6	T1:16/T3:13.1	T1:17.6/T3:14
T1:19.5/T3:22.1	T1:22.7/T3:24.5	T1:25.1/T3:27.4	T1:28.7/T3:30.8	T1:31.3/T3:32.6
T1:12.22/T3:13.80	T1:14.19/T3:15.3	T1:15.7/T3:17.15	T1:17.94/T3:19.25	T1:19.6/T3:20.4
T1:11.15/T3:8.25	T1:10.8/T3:8.25	T1:10.85/T3:8.25	T1:10.65/T3:8.1	T1:10.65/T3:8.20
45.1	49.8	56.3	62.7	68.6
154000	170000	192000	214000	234000
12.9	14.2	16.1	17.9	19.6
21.80	24.9	28.6	32.10	35.70
13.60	15.60	17.90	20.10	22.30
3.32	3.19	3.15	3.12	3.08
18.3	18.8	22.0	24.4	25.0
30.8	31.7	37.4	41.1	42.1
50%~130%	50%~130%	50%~130%	50%~130%	50%~130%
1				
Scroll Compressor				
HITACHI				
R410A	R410A	R410A	R410A	R410A
14	14	15	16	16
EXV	EXV	EXV	EXV	EXV
1340x1740x840	1340x1740x840	1340x1740x840	1340x1740x840	1340x1740x840
1410×1900×910	1410×1900×910	1410×1900×910	1410×1900×910	1410×1900×910
275	275	285	290	297
293	293	303	308	315
60	61	62	63	63
4.5	4.5	4.5	4.5	4.5
Ø15.88				
Ø28.6				
1000				
200				
240				
40/90				
100				
110				
40				
0				
-5~55				
16~32				
-30~30				
16~32				

LNX Pro

New DC inverter EVI VRF SYSTEM

Model Name			LNXGCVO252S0M3HPD	LNXGCVO280S0M3HPD	LNXGCVO335S0M3HPD
Power Supply			380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz
Performance Data					
Cooling	Capacity	HP	8HP	10HP	12HP
		kW	T1:25.2/T4:20.1	T1:28/T4:22.4	T1:33.3/T4:25.0
		Btu/h	T1:86000/T4:68000	T1:95000/T4:76000	T1:114000/T4:85000
		RT	T1:7.2/T4:5.74	T1:8.0/T4:6.4	T1:9.5/T4:7.14
	Rated current	A	T1:12.0/T4:12.3	T1:13.4/T4:13.9	T1:16.2/T4:15.7
	Power input	kW	T1:7.5/T4:7.7	T1:8.37/T4:8.7	T1:10.12/T4:9.8
	EER	(Btu/h)/W	T1:11.47/T4:8.83	T1:11.35/T4:8.74	T1:11.26/T4:8.67
Heating	Capacity	kW	27.2	31.35	37.2
		Btu/h	93000	107000	127000
		RT	7.8	8.96	10.63
	Rated current	A	11.8	14.4	18.1
	Power input	kW	7.40	9.00	11.30
	COP	W/W	3.68	3.48	3.29
Max. input consumption		kW	13.4	14.3	14.8
Max. Current		A	23.1	24.7	25.5
Capacity adjustment range			50%~130%	50%~130%	50%~130%
Compressor Data					
Compressor	Quantity		1		
	Type		Scroll Compressor		
	Brand		HITACHI		
Physical Data					
Refrigerant	Type		R410A		R410A
	Volume	kg	9		11
	Throttle type		EXV		EXV
Dimension (WxHxD)	Net	mm	990x1740x840		990x1740x840
	Packing	mm	1060×1900×910		1060×1900×910
Weight	Net	kg	228		230
	Gross	kg	240		242
Outdoor sound level		dB(A)	58		60
Max. operating range		MPa	4.5		4.5
Piping Data					
Pipe size	Liquid pipe	mm	Ø12.7		
	Gas pipe	mm	Ø22.2		
Max. pipe length	Total pipe length	m	1000		
	ODU to farthest IDU (Acual length)	m	200		
	ODU to farthest IDU (Equiva-lent length)	m	240		
	1st IDU distributor to farthest IDU	m	40/90		
Max. vertical length	Between ODU & IDU (ODU above IDU)	m	100		
	Between ODU & IDU (ODU below IDU)	m	110		
	Between IDUs	m	40		
	Between ODUs	m	0		
Operation Temperature Range					
Cooling	Outdoor side	°C	-5~55		
	Indoor side	°C	16~32		
Heating	Outdoor side	°C	-30~30		
	Indoor side	°C	16~32		

Notes:

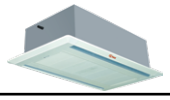
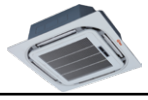
1. Cooling operating temperature range is from -5°C to 55°C (It can be customized down to -10°C). Heating operating temperature range is from -30°C to 30°C.
2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
4. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
5. The above data may be changed without notice for future improvement on quality and performance.

LNXGCVO400S0M3HPD	LNXGCVO450S0M3HPD	LNXGCVO500S0M3HPD	LNXGCVO560S0M3HPD	LNXGCVO615S0M3HPD
380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz
14HP	16HP	18HP	20HP	22HP
T1:40/T4:25.5	T1:45/T4:28.3	T1:50/T4:31.5	T1:56/T4:35.2	T1:61.6/T4:38.6
T1:136000/T4:87000	T1:153000/T4:96000	T1:170000/T4:107000	T1:191000/T4:120000	T1:209000/T4:130000
T1:11.4/T4:7.29	T1:12.8/T4:8.09	T1:14.3/T4:9.0	T1:16/T4:10.1	T1:17.6/T4:11.0
T1:19.5/T4:16	T1:22.2/T4:17.8	T1:24.7/T4:19.8	T1:27.8/T4:22.2	T1:30.5/T4:24.2
T1:12.22/T4:10.0	T1:13.86/T4:11.1	T1:15.45/T4:12.4	T1:17.38/T4:13.9	T1:19.05/T4:15.1
T1:11.13/T4:8.7	T1:11.04/T4:8.65	T1:11.00/T4:8.63	T1:10.99/T4:8.63	T1:10.97/T4:8.61
44.8	49.8	55.9	62.4	68.6
153000	170000	191000	213000	234000
12.9	14.2	16	17.8	19.6
21.80	24.9	28.6	32.10	35.70
13.60	15.60	17.90	20.10	22.30
3.29	3.19	3.12	3.1	3.08
18.3	18.8	22.0	24.4	25.0
30.8	31.7	37.4	41.1	42.1
50%~130%	50%~130%	50%~130%	50%~130%	50%~130%
1				
Scroll Compressor				
HITACHI				
R410A	R410A	R410A	R410A	R410A
14	14	15	16	16
EXV	EXV	EXV	EXV	EXV
1340x1740x840	1340x1740x840	1340x1740x840	1340x1740x840	1340x1740x840
1410×1900×910	1410×1900×910	1410×1900×910	1410×1900×910	1410×1900×910
275	275	285	290	297
293	293	303	308	315
60	61	62	63	63
4.5	4.5	4.5	4.5	4.5
Ø15.88				
Ø28.6				
1000				
200				
240				
40/90				
100				
110				
40				
0				
-5~55				
16~32				
-30~30				
16~32				

INDOOR UNITS

PROVIDE YOU WITH COOL BREEZE

INDOOR UNITS LINE UP

Capacity (kW)	1-Way Cassette	2-Way Cassette	Round Flow Cassette	4-Way Cassette (Compact type)	Air Handler
					
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4.5	•	•		•	
5.6	•	•	•		
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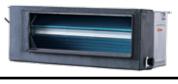
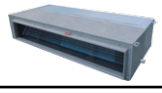
8.0		•	•		
9.0			•		
10.0			•		•
11.2			•		
12.0					
12.5			•		
14.0			•		
15.0					
16.0			•		•

Capacity (kW)	Wall Mounted	Floor Ceiling	Short Ceiling Concealed duct	Medium ESP Ducted Unit	High ESP Ducted Unit	Fresh Air Precessor
						
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4.5	•	•	•			
5.6	•	•	•			
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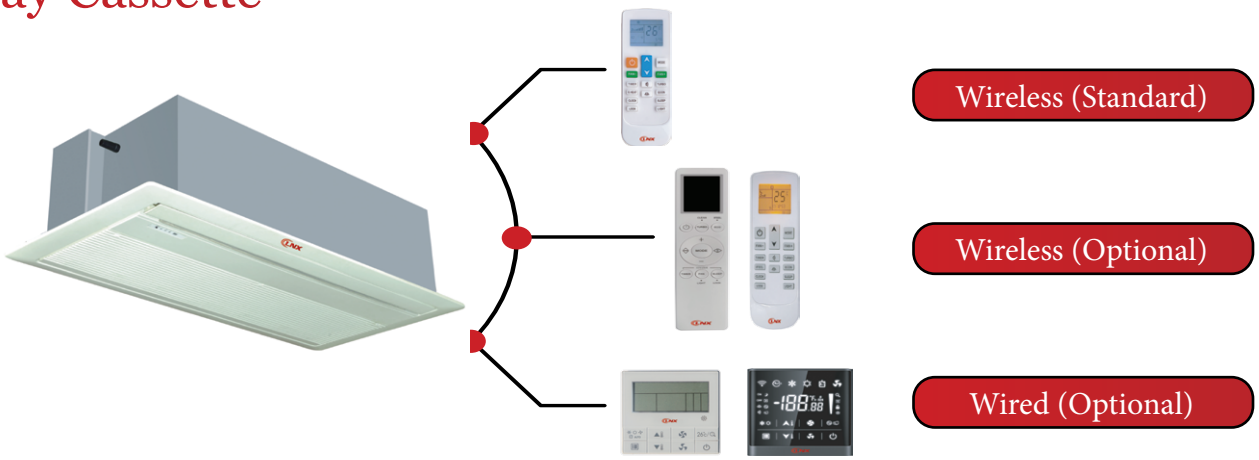
8.0		•		•	•	
9.0		•		•	•	
10.0				•	•	
11.2		•				
12.0				•	•	
14.0		•				•
15.0				•	•	
16.0		•				
20.0					•	
22.4						•
25.0					•	
28.0					•	•
45.0					•	•
56.0					•	•

1 - Way Cassette



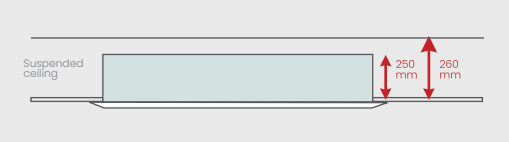
Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
/	Standard	Standard	Standard(built-in)	Standard	/

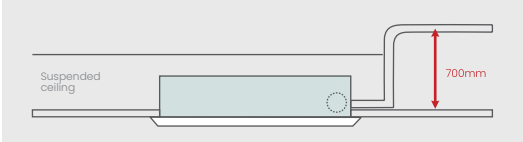
Slim body, easy to install

Has slim body with 250mm height, it is specially suitable for low suspended ceiling rooms.



Built-in with drainage pump

Built-in with low noise long life drainage pump, Pumping head is 700mm, flexible for drainage pipe design.



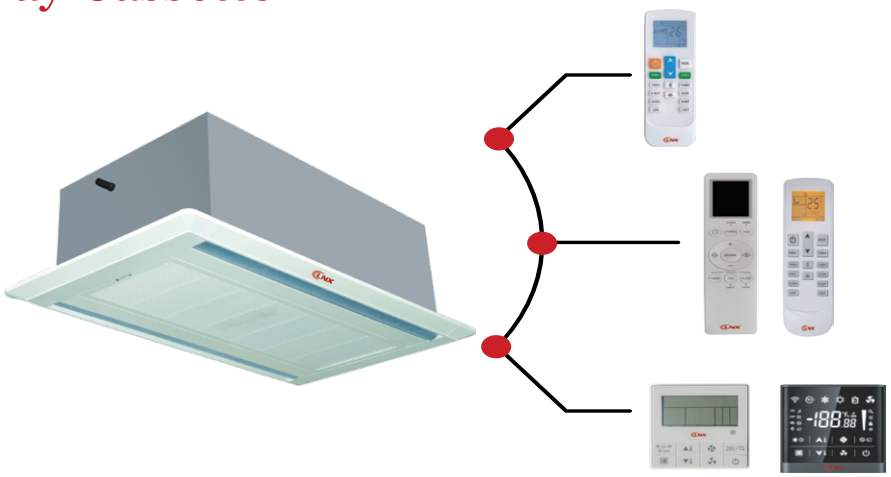
Specification

Model Name	power type	Capacity				Motor Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Pack-ing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCV1CSI22I0T3HPA	50 Hz	2.2	7.5	2.5	8.5	0.04	520	306	32-36	/	1160 x 275 x 655	994 x 250 x 532	1090 x 65 x 540	1070 x 50 x 520	24/3.6	30/5.0	9.53	6.35	OD-25	Remote Controller
LNXGCV1CSI28I0T3HPA	50 Hz	2.8	9.5	3.2	10.9															
LNXGCV1CSI36I0T3HPA	50 Hz	3.6	12.2	4.0	13.6															
LNXGCV1CSI45I0T3HPA	50 Hz	4.5	15.3	5.0	17.0	0.05	610	360	36-41		1160 x 315 x 655	994 x 290 x 532	1090 x 65 x 540	1070 x 50 x 520	26/3.6	32/5.0	12.7			
LNXGCV1CSI56I0T3HPA	50 Hz	5.6	19.1	6.3	21.4	0.07	750	440	35-41		1470 x 305 x 690	1304 x 290 x 572	1390 x 70 x 560	1380 x 50 x 520	34/3.6	39/5.0	15.9	9.53		
LNXGCV1CSI71I0T3HPA	50 Hz	7.1	24.2	8.0	27.2	0.09	950	550	38-45											

Notes:

1.Power supply: 220~240V/1N for 50Hz, the above data is for AC motor model.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance

2 - Way Cassette



Wireless (Standard)

Wireless (Optional)

Wired (Optional)

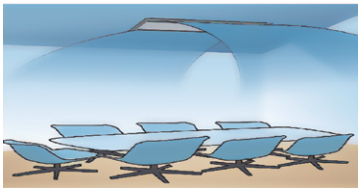
Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
/	Standard	Standard(built-in)	Standard (built-in)	Standard	/

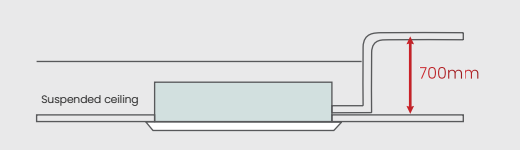
2 Way air direction

Two direction air flow, flexibly install in various rooms or hallway



Built-in with drainage pump

Built-in with low noise long life drainage pump, Pumping head is 700mm,flexible for drainage pipe design.



Specification

Model Number	power type	Capacity				Motor Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Pack-ing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCV2CSI45I0T3HPA	50 Hz	4.5	15.3	5.0	17	0.07	800	470	36-42	/	1215 x 365 x 630	1068 x 310 x 517	1235 x 70 x 655	1205 x 50 x 630	33/6.5	36/8.5	12.7	6.35	OD-25	Remote Controller
LNXGCV2CSI56I0T3HPA	50 Hz	5.6	19.1	6.3	21.4															
LNXGCV2CSI71I0T3HPA	50 Hz	7.1	24.2	8.0	27.2	0.10	1120	650	40-46		1455 x 365 x 630	1308 x 310 x 517	1475 x 70 x 655	1445 x 50 x 630	40/7.5	47/10	15.9	9.53		
LNXGCV2CSI80I0T3HPA	50 Hz	8.0	27.2	9.0	30.7															

Notes:

1.Power supply: 220~240V/1N for 50Hz, the above data is for AC motor model.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

4 -Way Cassette(compact type)/Round-Flow Cassette

Wireless (Standard)

Wireless (Optional)

Wired (Optional)

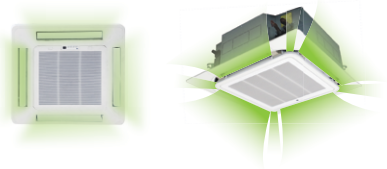
Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
/	Standard	Standard	Standard(built-in)	Standard	optional

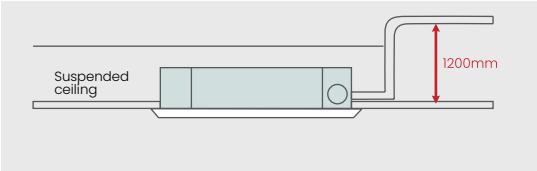
Wide air delivering

Air flow is soft and smooth, air can be delivered to every corner without dead angle, it makes the room temperature distribution more balance.



Space saving installation

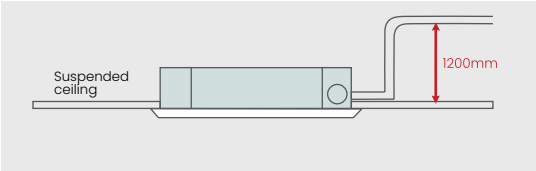
It has a slim body with 230mm height, it is specially suitable for low suspended ceiling rooms.(5.6-8.0KW).



Built-in with drainage pump

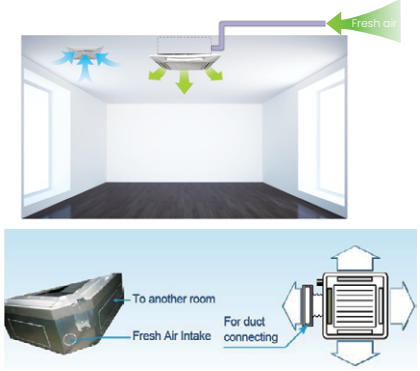
Built-in with low noise long life drainage pump, Pumping head is 1200mm, flexible for drainage pipe design.

Note: The pumping head of 4-way cassette unit (compact type)is 700mm.



Fresh air intake

Four interfaces to connect with duct to another room. Fresh air intake, aims to provide more healthy and comfortable indoor environment.



Specification

4-Way Cassette Unit (Compact Type)

Model Name	power type	Capacity				Power Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCV4CSI22I0T3HPA	50 Hz	2.2	7.5	2.5	8.5	0.038	447	263	22-34	/	765 x 375 x 680	653 x 267 x 585	750 x 95 x 750	650 x 30 x 650	17.5	23	9.52	6.35	OD 25	Remote controller
LNXGCV4CSI22I0Y3HPA	60 Hz																			
LNXGCV4CSI28I0T3HPA	50 Hz	2.8	9.5	3.2	10.9	0.038	447	263	22-34						17.5	23				
LNXGCV4CSI28I0Y3HPA	60 Hz																			
LNXGCV4CSI36I0T3HPA	50 Hz	3.6	12.2	4.0	13.6	0.040	515	303	27-38						17.5	23	12.7			
LNXGCV4CSI36I0Y3HPA	60 Hz																			
LNXGCV4CSI45I0T3HPA	50 Hz	4.5	15.3	5.0	17	0.040	515	303	27-38						17.5	23				
LNXGCV4CSI45I0Y3HPA	60 Hz																			

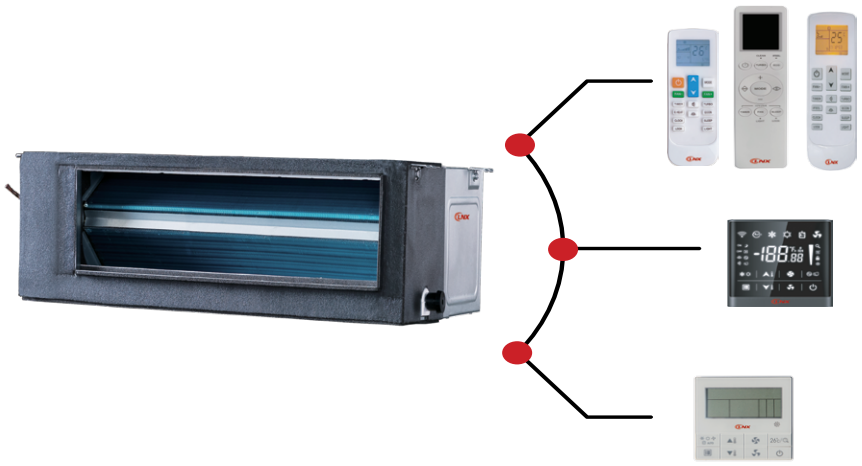
Round-flow Cassette

Model Name	power type	Capacity				Power Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCVRCSI56I0T3HPA	50 Hz	5.6	19.1	6.3	21.4	0.043	860	500	32-39	/	920 x 265 x 985	833 x 232 x 900	1030 x 100 x 1030	950 x 50 x 950	24	30	12.7	6.35	25	Remote Controller
LNXGCVRCSI56I0Y3HPA	60 Hz																			
LNXGCVRCSI71I0T3HPA	50 Hz	7.1	24.2	8.0	27.2	0.093	1200	700	35-39						24	30	15.88	9.52		
LNXGCVRCSI71I0Y3HPA	60 Hz																			
LNXGCVRCSI80I0T3HPA	50 Hz	8.0	27.2	8.8	30										24	30				
LNXGCVRCSI80I0Y3HPA	60 Hz																			
LNXGCVRCSI90I0T3HPA	50 Hz	9.0	30.7	10.0	34.1	0.160	1400	820	37-41		920 x 310 x 985	833 x 286 x 900			28.5	35				
LNXGCVRCSI90I0Y3HPA	60 Hz																			
LNXGCVRCSI100I0T3HPA	50 Hz	10.0	34.1	11.0	37.5										28.5	35				
LNXGCVRCSI100I0Y3HPA	60 Hz																			
LNXGCVRCSI112I0T3HPA	50 Hz	11.2	38.2	12.5	42.6										28.5	35				
LNXGCVRCSI112I0Y3HPA	60 Hz																			
LNXGCVRCSI125I0T3HPA	50 Hz	12.5	42.6	14.0	47.7										28.5	35				
LNXGCVRCSI125I0Y3HPA	60 Hz																			
LNXGCVRCSI140I0T3HPA	50 Hz	14.0	47.7	15.0	51.1		1800	1050	38-46						28.5	35				
LNXGCVRCSI140I0Y3HPA	60 Hz																			
LNXGCVRCSI160I0T3HPA	50 Hz	16.0	54.5	17.0	58										28.5	35				
LNXGCVRCSI160I0Y3HPA	60 Hz																			

Notes:

1.Power supply: 220~240V/1N for 50Hz; 208~230V/1N for 60Hz, the above data is for AC motor model.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

Short Ceiling Concealed Ducted Unit



Wireless (Optional)

Wired (Optional)

Wired (Standard)

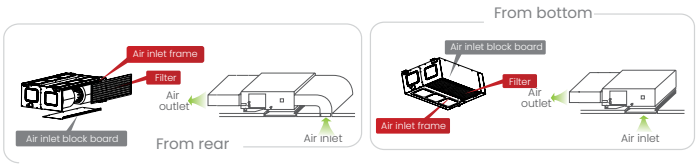
Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
Standard	Optional	Standard(built-in)	Optional	Standard	Optional

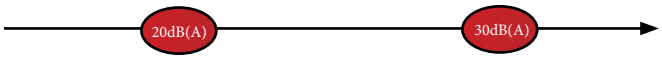
Flexible installation

Air return method is optional by actual installation, from rear or from bottom



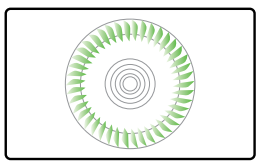
Big air flow low noise centrifugal fan wheel

Big air flow low noise centrifugal fan blade with special air tunnel system, and the unique shock absorption measures, making this series ducted units' running noise is as low as 24 dB(A), let users to enjoy the comfort, sleep without any disturbance.

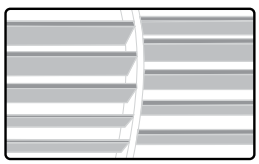


Rustled Leaves

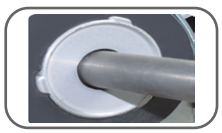
Reading Room



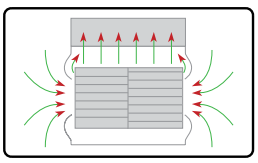
Special resin material fan wheel.



All vanes are dislocation distribution to offset sound wave, so that the noise can be reduced.



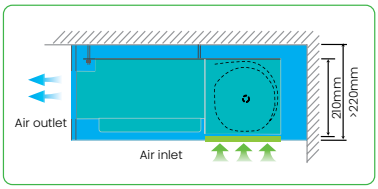
High efficiency low noise motor, motor and support frame with rubber ring isolation, can absorb vibration and reduce noise.



Air inlet of fan wheel casing is arch curved design; it can reduce air flow's disturbance, make if flow smoother to reduce noise.

Slim body, easy to install

Has slim body with 210mm height, it is specially suitable for low suspended ceiling rooms.



DC fan motor is optional

Integrated design of motor and motor bracket, lower noise

Drain pump is optional

Pumping head is 700mm.

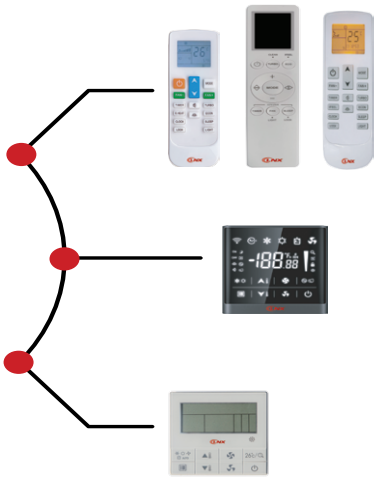
Specification

Model Name	power type	Capacity				Rated Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCVDLI22I0T3HPA	50 Hz	2.2	7.5	2.5	8.5	0.08	450	260	24-29	30	910 x 240 x 510	814 x 210 x 467	/	/	16.0	18.5	9.52	6.35	OD-25	Wired Controller
LNXGCVDLI22I0Y3HPA	60 Hz																			
LNXGCVDLI28I0T3HPA	50 Hz	2.8	9.5	3.2	10.9										16.0	18.5				
LNXGCVDLI28I0Y3HPA	60 Hz																			
LNXGCVDLI36I0T3HPA	50 Hz	3.6	12.2	4.0	13.6	0.11	550	324	25-32						16.5	19.0	12.7			
LNXGCVDLI36I0Y3HPA	60 Hz																			
LNXGCVDLI45I0T3HPA	50 Hz	4.5	15.3	5.0	17		620	360	32-37						16.5	19.0				
LNXGCVDLI45I0Y3HPA	60 Hz																			
LNXGCVDLI56I0T3HPA	50 Hz	5.6	19.1	6.3	21.4	0.16	800	520	28-38		1110 x 240 x 510	1010 x 210 x 467			21.0	24.0				
LNXGCVDLI56I0Y3HPA	60 Hz																			
LNXGCVDLI71I0T3HPA	50 Hz	7.1	24.2	8.0	27.2	0.18	1000	640	30-39		1310 x 240 x 510	1214 x 210 x 467			25.5	28.5	15.88	9.52		
LNXGCVDLI71I0Y3HPA	60 Hz																			

Notes:

1.Power supply: 220~240V/1N for 50Hz;208~230V/1N for 60Hz, the above data is for AC motor model.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

Medium ESP Ducted Unit



Wireless (Optional)

Wired (Optional)

Wired (Standard)

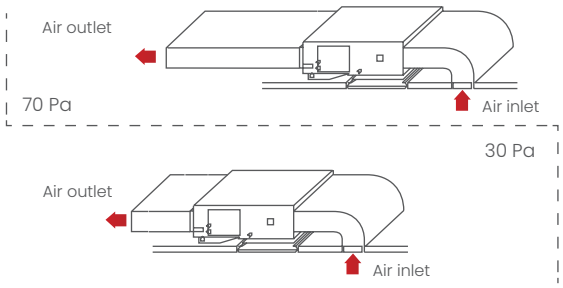
Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
Standard	Standard	Standard	Optional	Standard	Optional

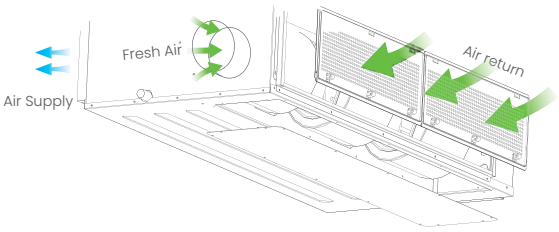
Static pressure

70Pa ESP is standard, suitable for long distance air supply, 30Pa is optional(can be set on site), suitable for low noise requirement rooms.



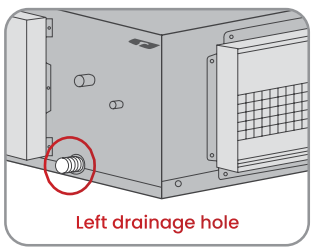
Fresh Air Intake

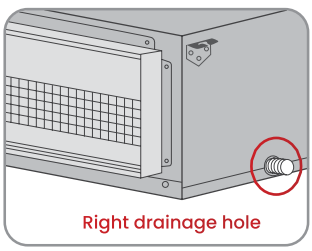
A reserved outside air intake port allows outdoor air to be introduced directly into the unit, no need for a seperate ventilation system.



Convenient in drainage pipe installation

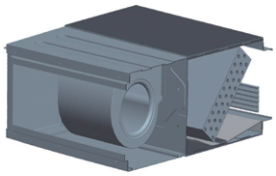
Reserved drainage pipe outlet holes on left side and right side, installer can choose the outlet holes on site as per actual conditions, flexible for drainage pipe installation.

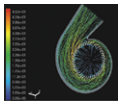




Whole unit low noise design

Using multiple noise reduction technology, including the design of high efficiency low noise motor, aviation fan wheel, low vibration wheel casing, unique design,the inner wall configuration with high quality insulation materials, and so on, to make the units running in a low noise condition.

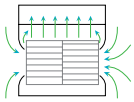




Aviation fan wheel, designed by the industry's top design software.

High quality insulation materials, effectively reducing noise diffusion.

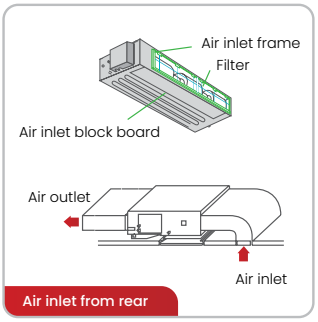
High efficiency low noise motor, motor and support frame with rubber ring isolation, can absorb vibration and reduce noise.

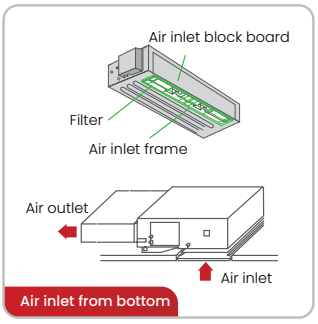


Wheel casing streamline design,reduce the airflow disturbance to lower the noise

Two air return installation methods

Air return from rear or bottom is easy to change on site, convenient for installation.





DC fan motor is optional

The power consumption of DC fan motor can be reduced greatly in comparison to corresponding AC type.

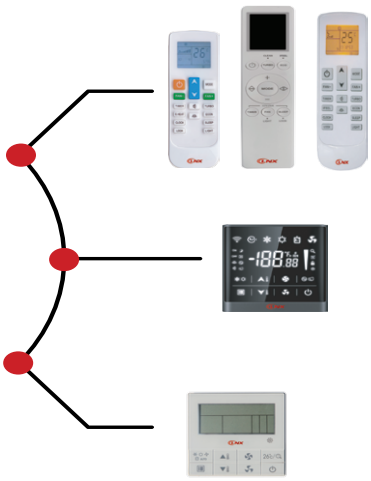
Specification

Model Name	Power Type	Capacity				Rated Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCVDMI71I0T3HPA	50 Hz	7.1	24.2	8.0	27.2	0.40	1220	710	36-41	70	1255 x 325 x 720	1209 x 260 x 680	/	/	33	37	15.88	9.52	OD-25	Wired Controller
LNXGCVDMI71I0Y3HPA	60 Hz																			
LNXGCVDMI80I0T3HPA	50 Hz	8.0	27.2	9.0	30.7										33	37				
LNXGCVDMI80I0Y3HPA	60 Hz																			
LNXGCVDMI90I0T3HPA	50 Hz	9.0	30.7	10.0	34.1		1850	1080	38-43		1490 x 325 x 720	1445 x 260 x 680			46	50				
LNXGCVDMI90I0Y3HPA	60 Hz																			
LNXGCVDMI100I0T3HPA	50 Hz	10.0	34.1	11.0	37.5		2000	1170	40-44						46	50				
LNXGCVDMI100I0Y3HPA	60 Hz																			
LNXGCVDMI120I0T3HPA	50 Hz	12.0	40.9	13.0	44.3										46	50				
LNXGCVDMI120I0Y3HPA	60 Hz																			
LNXGCVDMI150I0T3HPA	50 Hz	15.0	51.1	17.0	58										46	50				
LNXGCVDMI150I0Y3HPA	60 Hz																			

Notes:

1.Power supply: 220~240V/1N for 50Hz; 208~230V/1N for 60Hz, the above data is for AC motor model.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

High ESP Ducted Unit



Wireless (Optional)

Wired (Optional)

Wired (Standard)

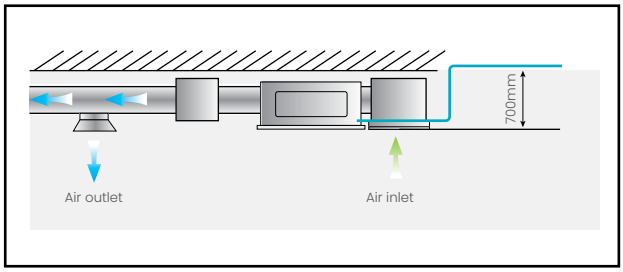
Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
Standard	Standard	Standard	Optional	Standard	/

Optional water pump

Slim body, saving suspended ceiling spaces. And water pump is optional, pump head up to 700mm



Can be used with various diffusers

Round diffuser

Spiral diffuser

Square diffuser

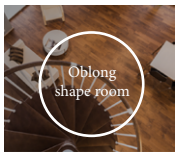
Linear diffuser

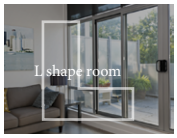
Rectangular diffuser

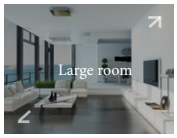
Used with various diffusers, meet for different kinds of decoration.

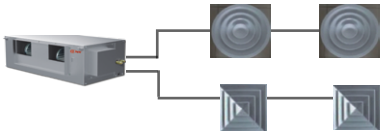
High static pressure

Big air flow with high static pressure, easy for large rooms duct design.
Suitable for different shape of rooms.

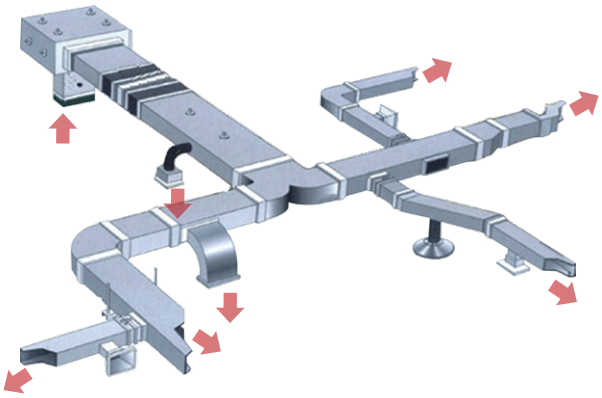








High static pressure ducted unit



Long distance multi-point air supply

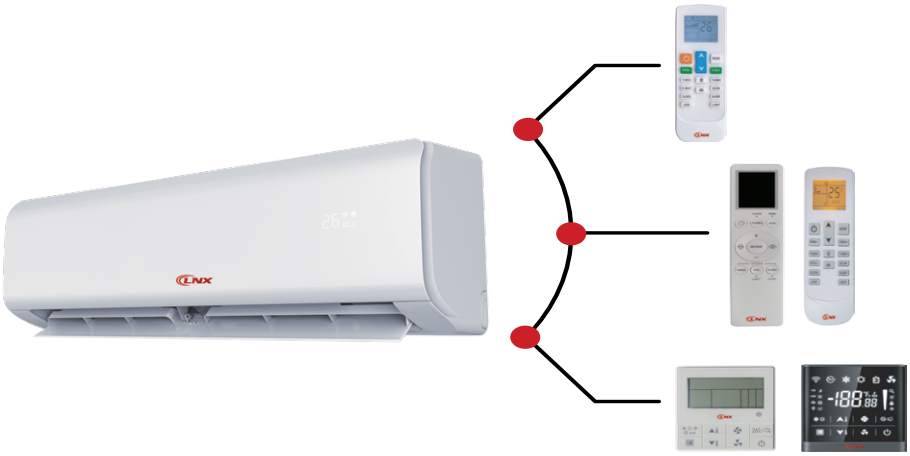
Specification

Model Name	power type	Capacity				Rated Input	Air Flow		Sound level	ESP	Dimension(WxHxD)		Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	Pa	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCVDHI71I0T3HPA	50 Hz	7.1	24.2	7.8	26.6	0.40	1500	880	40-42	150	1490 x 325 x 720	1445 x 260 x 680	46	50	15.88	9.52	OD-25	Wired Controller
LNXGCVDHI71I0Y3HPA	60 Hz																	
LNXGCVDHI80I0T3HPA	50 Hz	8.0	27.2	8.8	30													
LNXGCVDHI80I0Y3HPA	60 Hz																	
LNXGCVDHI90I0T3HPA	50 Hz	9.0	30.7	10.0	34.1													
LNXGCVDHI90I0Y3HPA	60 Hz																	
LNXGCVDHI100I0T3HPA	50 Hz	10.0	34.1	11.0	37.5	0.50	2300	1350	44-52		1245 x 445 x 655	1190 x 370 x 620	47	51				
LNXGCVDHI100I0Y3HPA	60 Hz																	
LNXGCVDHI120I0T3HPA	50 Hz	12.0	40.9	13.0	44.3													
LNXGCVDHI120I0Y3HPA	60 Hz																	
LNXGCVDHI150I0T3HPA	50 Hz	15.0	51.1	17.0	58.0													
LNXGCVDHI150I0Y3HPA	60 Hz																	
LNXGCVDHI200I0T3HPA	50 Hz	20.0	68.2	22.0	75.0	1.72	4000	2350	45-53		1510x580x870	1465x448x811	102	113	22.2	12.7	OD-30	
LNXGCVDHI200I0Y3HPA	60 Hz																	
LNXGCVDHI200I0Z3HPA	50/60 Hz	20.0	68.2	22.0	75.0	1.20	3750	2200	45-50		1515x885x580	1440x811x448						
LNXGCVDHI250I0T3HPA	50 Hz	25.0	85.3	27.5	93.8	1.72	4200	2470	45-54		1510x580x870	1465x448x811						
LNXGCVDHI250I0Y3HPA	60 Hz																	
LNXGCVDHI250I0Z3HPA	50/60 Hz	25.0	85.3	27.5	93.8	1.20	3750	2200	46-51		1515x885x580	1440x811x448						
LNXGCVDHI280I0T3HPA	50 Hz	28.0	95.5	30.8	105.0	1.72	4400	2580	45-55		1510x580x870	1465x448x811						
LNXGCVDHI280I0Y3HPA	60 Hz																	
LNXGCVDHI280I0Z3HPA	50/60 Hz	28.0	95.5	30.8	105.0	1.30	4100	2400	48-52		1515x885x580	1440x811x448						
LNXGCVDHI450I0T3HPA	50 Hz	45.0	153.5	50.0	170.6	2.60	6000	3520	60	200	2267 x 840 x 1050	2165 x 676 x 916	222	260	28.6	15.88	OD-32	
LNXGCVDHI450I0Y3HPA	60 Hz																	
LNXGCVDHI560I0T3HPA	50 Hz	56.0	191.0	63.0	214.9	3.40	8000	4700	64									
LNXGCVDHI560I0Y3HPA	60 Hz																	

Notes:

1. 45kW & 56kW units' power supply are 380~415V/3N for 50Hz and 380~420V/3N for 60Hz, the others' power supply is 220~240V/1N for 50Hz and 208~230V/1N for 60Hz
2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4. The above data may be changed without notice for future improvement on quality and performance.

Wall Mounted Unit



Wireless (Standard)

Wireless (Optional)

Wired (Optional)

Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
/	Standard	Standard(built-in)	/	/	Standard

Air Supply Smoothly

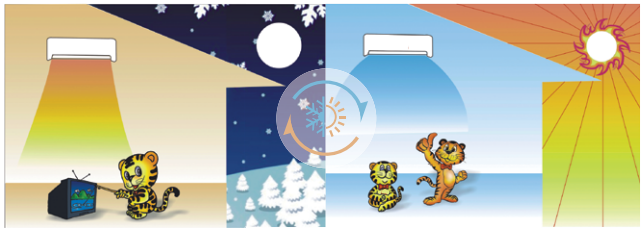
Cross flow fan, In Cooling mode, cold air is blown from horizontal. In heating mode, warm air is blown from vertical.

2 panels can be chosen, suitable for all kinds of decoration style

Simple, elegant, stylish, mirror design, suitable for all kinds of decoration style.

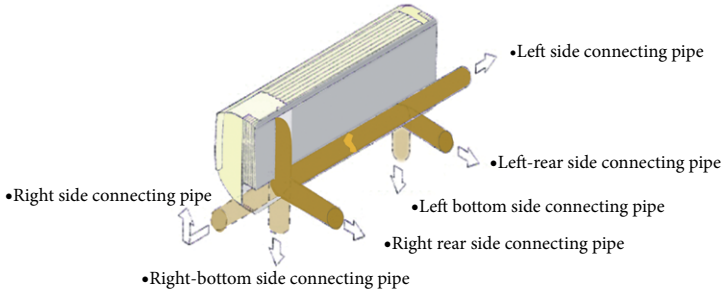
Flexible in installation

Refrigerant pipe can be connected from 3 directions



Hotel card function

Hotel card interface is standard, which are designed to save energy by only running appliances while guest are present in their room.



Specification

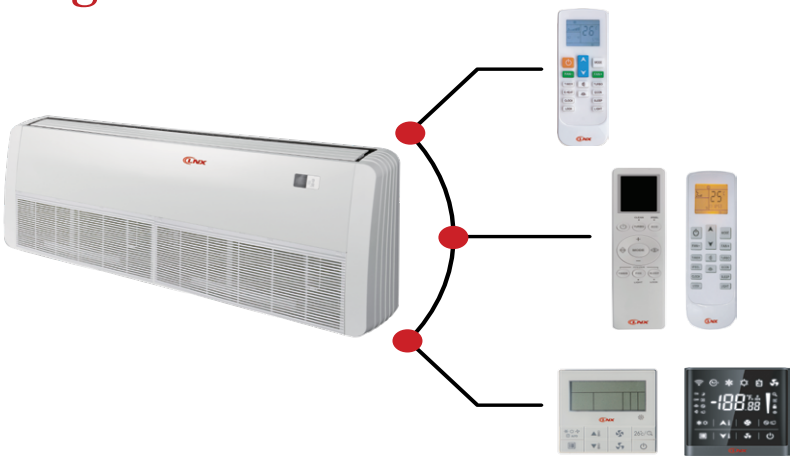
Model			LNXGCVHWI22I0Z3HPD	LNXGCVHWI28I0Z3HPD	LNXGCVHWI36I0Z3HPD	LNXGCVHWI45I0Z3HPD	LNXGCVHWI56I0Z3HPD	LNXGCVHWI71I0Z3HPD
Power Supply			220-240V/1N/50&60 Hz	220-240V/1N/50&60 Hz	220-240V/1N/50&60 Hz	220-240V/1N/50&60 Hz	220-240V/1N/50&60 Hz	220-240V/1N/50&60 Hz
Capacity	Cooling	KW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	KW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input		KW	15	15	18	20	23	35
Fan Motor	Type		DC	DC	DC	DC	DC	DC
	Speed (Hi/ Med/Low)	r/min	1000/900/870/850	1000/900/870/850	1100/1000/950/900	1050/950/900/850	1100/1000/950/900	1300/1200/1100/1000
Air Flow		m^3 /h	440/380/360/350	440/380/360/350	500/440/415/380	655/610/565/525	720/645/580/560	890/805/720/645
Sound pressure level		dB(A)	24-33	24-33	27-36	29-38	32-42	35-43
Body Dimension (WxHxD)	Net	mm	864x300x200	864x300x200	864x300x200	972x320x215	972x320x215	972x320x215
	Packing	mm	945x375x290	945x375x290	945x375x290	1060x400x310	1060x400x310	1060x400x310
Body Weight	Net / Gross	kg	9.5/12	9.5/12	9.5/12	11.5/14	11.5/14	11.5/14
Refrigerent Type			R410A	R410A	R410A	R410A	R410A	R410A
Throttle Type			EXV	EXV	EXV	EXV	EXV	EXV
Liquid pipe / Gas pipe		mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7	6.35/12.7	9.52/15.88
Drainage Water Pipe (Outer diameter)		mm	20	20	20	20	20	20
Operation Temperature		°C	16-32	16-32	16-32	16-32	16-32	16-32

Notes:

1.Power supply: 220~240V/1N for 50Hz;208~230V/1N for 60Hz.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB,15°C WB outdoor side 7°C DB.
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

Wall Mounted Unit

Floor Ceiling Unit



Wireless (Standard)

Wireless (Optional)

Wired (Optional)

Features

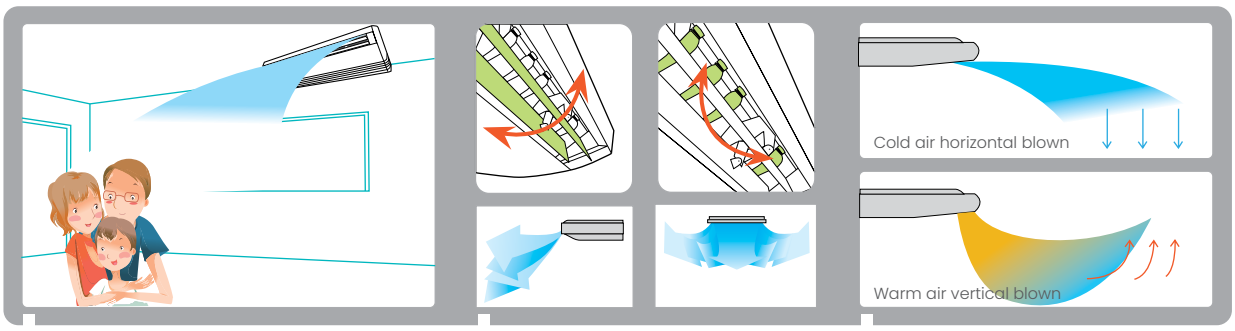
Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
/	Standard	Standard(built-in)	Optional	Standard	Optional

Flexible installation

According to actual project needs, choose ceiling suspended installation or floor standing installation.

Wide angle air supply

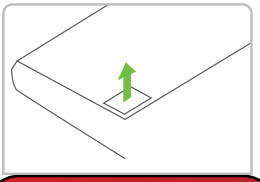


Configured with low noise high performance centrifugal fans, has big air flow and long distance air supply.

3 dimensional air supply, wide air supply angle, easily supply to every corners.

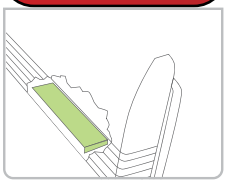
In Cooling mode, cold air is blown from horizontal. In heating mode, warm air is blown from vertical.

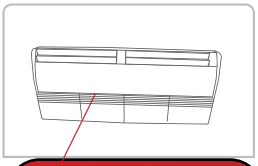
Easy for installation



Refrigerant pipe can be connected from 2 directions.

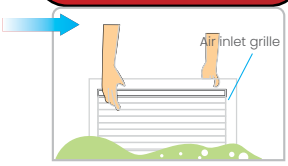
Electrical control box is in the rear of fan wheel casing, easy to remove, convenient for maintenance.



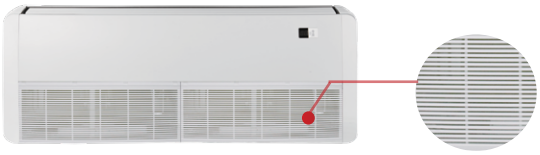


Long term filter can be remove from air inlet grille to clean.

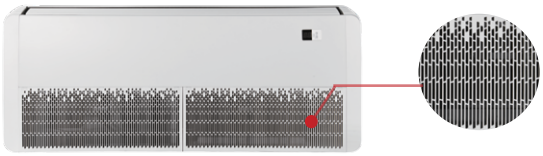
Water washable



Two kinds of grilles for selection



Horizontal Type Grill (Standard)



Honeycomp Type Grill (Optional)

Floor Ceiling Unit

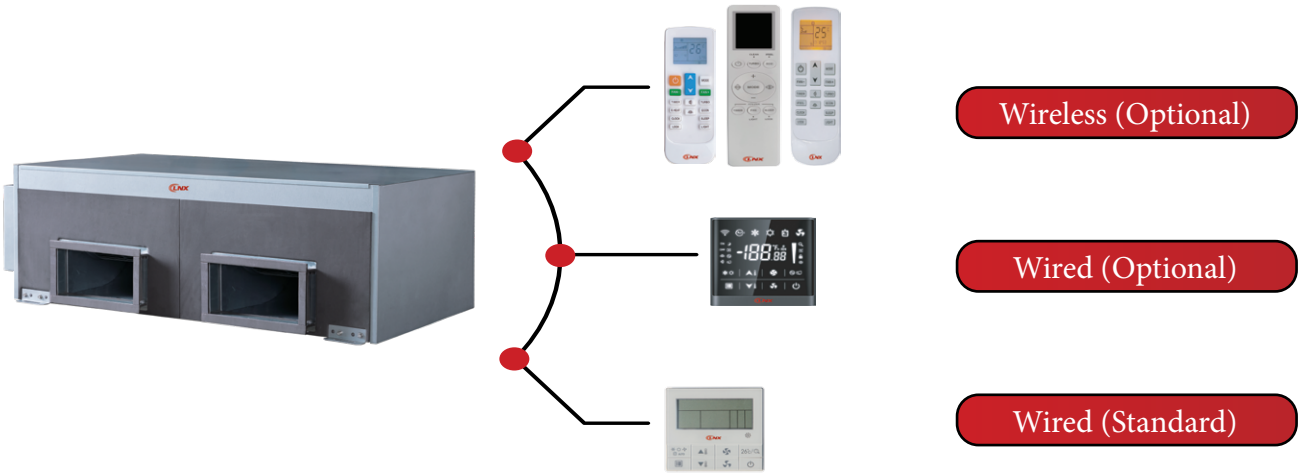
Specification

Model Name	power type	Capacity				Power Input	Air Flow		Sound level	Dimension(WxHxD)		Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating						Packing	Body	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m³/h	CFM	DB(A)	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCVCMI36I0T3HPA	50 Hz	3.6	12.3	4.0	13.7	0.085	620	360	37-42	1130 x 765 x 330	1050 x 675 x 235	26.5	31.0	12.7	6.35	DN20	Remote controller
LNXGCVCMI36I0Y3HPA	60 Hz																
LNXGCVCMI45I0T3HPA	50 Hz	4.5	15.3	5.0	17												
LNXGCVCMI45I0Y3HPA	60 Hz																
LNXGCVCMI56I0T3HPA	50 Hz	5.6	19.1	6.3	21.4	0.110	800	470	37-47								
LNXGCVCMI56I0Y3HPA	60 Hz																
LNXGCVCMI71I0T3HPA	50 Hz	7.1	24.2	8.0	27.2	0.095	1200	706	45-51	1380 x 765 x 325	1300 x 675 x 235	32.0	37.0	15.88	9.52	DN20	
LNXGCVCMI71I0Y3HPA	60 Hz																
LNXGCVCMI80I0T3HPA	50 Hz	8.0	27.2	8.8	30												
LNXGCVCMI80I0Y3HPA	60 Hz																
LNXGCVCMI90I0T3HPA	50 Hz	9.0	30.7	10.0	34.1	0.160	1600	940	45-50	1750 x 765 x 325	1670 x 675 x 235	41.0	47.0				
LNXGCVCMI90I0Y3HPA	60 Hz																
LNXGCVCMI112I0T3HPA	50 Hz	11.2	38.2	12.5	42.6												
LNXGCVCMI112I0Y3HPA	60 Hz																
LNXGCVCMI140I0T3HPA	50 Hz	14.0	47.7	15.0	51.1	0.200	2000	1177	45-54								
LNXGCVCMI140I0Y3HPA	60 Hz																
LNXGCVCMI160I0T3HPA	50 Hz	16.0	54.5	17.0	58												
LNXGCVCMI160I0Y3HPA	60 Hz																

Notes:

1.Power supply: 220~240V/1N for 50Hz; 208~230V/1N for 60Hz, the above data is for AC motor model.
2.Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
3.Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.

Fresh Air Processor



Features

Accessories

Plenum Box	Air Filter	EXV	Drain Pump	AC Motor	DC Motor
Standard	Optional	Standard	Optional	Standard	/

Healthy and comfortable environment

Fresh air is imported, provides a healthy and comfortable living environment.

Fresh air processing unit

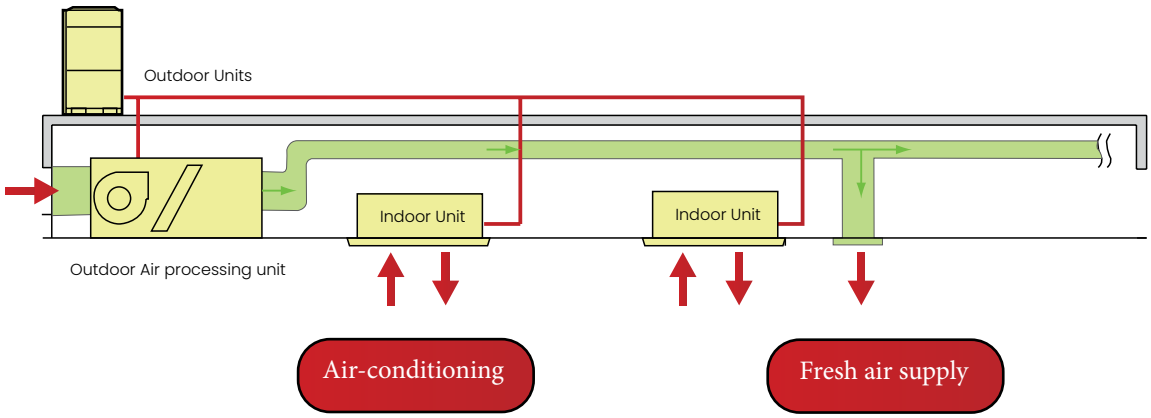
Both fresh air filtration and heating/cooling can be achieved in a single system. Indoor units and fresh air processing unit can be connected to the same refrigerant system, increase design flexibility and greatly reduce total system costs.

High external static pressure

External static pressure can be up to 300Pa for more flexible duct applications.

Innovative air supply technology for excellent room temperature control

Fresh air unit can be connected with other type indoor units.
Layout Example:



Notes:
1. When VRF system connect fresh air indoor unit and other type indoor units together, the capacity combination ratio between indoor unit and outdoor unit should within 100%
2. Fresh air unit capacity can't bigger than 30% of total indoor units capacity

Specification

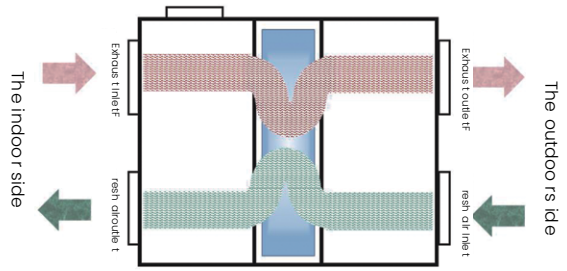
Model Name	power type	Capacity				Power Input	Air Flow		Sound level	ESP	Dimension(WxHxD)				Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m^3/h	CFM	DB(A)	Pa	mm	mm	mm	mm	Kg	Kg	mm	mm	mm	
LNXGCVFPI140I0T3HPA	50 Hz	14.0	47.7	9.0	30.7	0.45	1400	820	42-48	220	1245 x 445 x 655	1190 x 370 x 620	/	/	47	51	15.88	9.52	OD-25	Wired controller
LNXGCVFPI140I0Y3HPA	60 Hz																			
LNXGCVFPI224I0T3HPA	50 Hz	22.4	76.4	16.0	54.5	1.20	2000	1170	45-52	220	1510 x 490 x 870	1465 x 448 x 811			102	106	22.2	12.7	OD-30	
LNXGCVFPI224I0Y3HPA	60 Hz																			
LNXGCVFPI280I0T3HPA	50 Hz	28.0	95.5	20.0	68.2	1.20	2800	1640	45-52	220	1510 x 490 x 870	1465 x 448 x 811			102	106				
LNXGCVFPI280I0Y3HPA	60 Hz																			
LNXGCVFPI450I0M3HPA	50 Hz	45.0	153.5	31.4	107.1	1.60	4000	3520	58	300	2200 x 710 x 1018	2165 x 676 x 916			222	260	28.6	15.88	OD-32	
LNXGCVFPI450I0E3HPA	60 Hz																			
LNXGCVFPI560I0M3HPA	50 Hz	56.0	191.0	39.0	133.0	2.50	6000	4700	62	300	2200 x 710 x 1018	2165 x 676 x 916			222	260				
LNXGCVFPI560I0E3HPA	60 Hz																			

Notes:

1. 45kW & 56kW units' power supply are 380~415V/3N for 50Hz and 380~420V/3N for 60Hz, the others' power supply is 220~240V/1N for 50Hz and 208~230V/1N for 60Hz
2. Cooling test condition: Indoor and outdoor side 33°C DB, 28°C WB. Heating test condition: Indoor and outdoor side 0°CCB, -2.9°C WB.
3. Sound level: measured at a point 1 min front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4. The above data may be changed without notice for future improvement on quality and performance

Heat Recovery Ventilator

Features

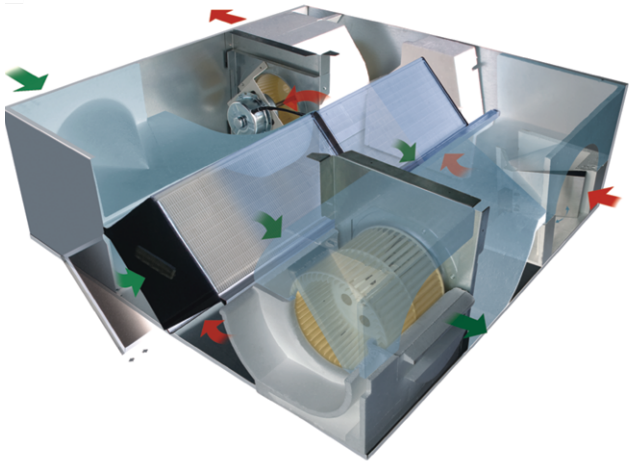


How it works

When air flow formed by exhaust air and outdoor air through the heat exchanged core in cross way, because of temperature difference in the two sides of flat partition board. the heat transmission is occurred.

In summer, outdoor air acquire cooling from air exhaust to decrease environment temperature;In winter, outdoor air acquire heating from air exhaust to increase temperature, that is to say, it realizing the energy recovery during air exhaust process to exchange the heating in heat exchanged core to outdoor air.

Application for: business office buildings, hotels, restaurants, meeting rooms, exhibition centres, leisure centres, workshop and other places.



Specification

Suspended Type

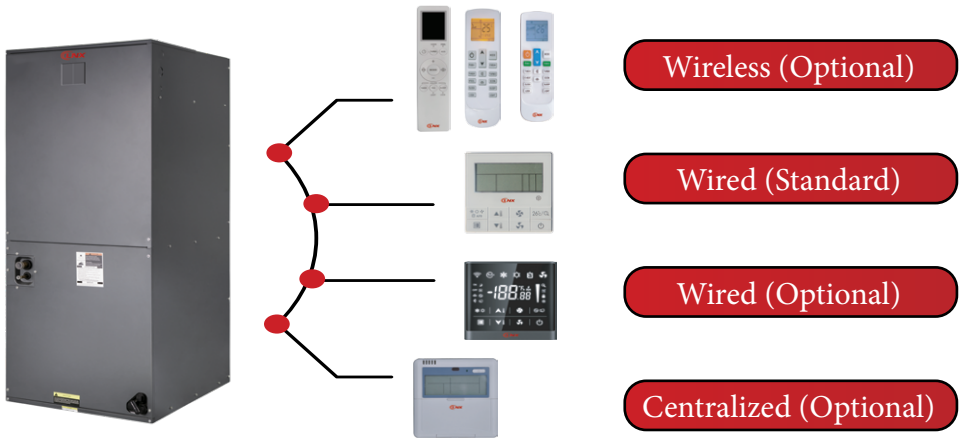
Model Name	Air flow	ESP	Power input	Power supply (V)	Temperature exchanging efficiency (%)		Enthalpy exchanging efficiency (%)		Noise dB(A)	Body Dimension (WxDxH) mm	Weight Kg
	m^3/h	Pa	W		Cooling	Heating	Cooling	Heating			
LNXGCVHRVI02IT3A	200	75	65	220V/1N/50Hz	60.0	65.0	50.0	55.0	30	666x580x264	25
LNXGCVHRVI03IT3A	300	75	130		60.0	65.0	50.0	55.0	33	744x599x270	27
LNXGCVHRVI04IT3A	400	80	200		60.0	65.0	50.0	55.0	35	744x804x270	30
LNXGCVHRVI05IT3A	500	80	220		60.0	65.0	50.0	55.0	38	824x904x270	41
LNXGCVHRVI06IT3A	600	90	242		60.0	65.0	50.0	55.0	40	824x904x270	42
LNXGCVHRVI08IT3A	800	100	410		60.0	65.0	50.0	55.0	42	1116x884x388	68
LNXGCVHRVI10IT3A	1000	150	510		60.0	65.0	50.0	55.0	43	1116x1134x388	82
LNXGCVHRVI13IM3A	1300	150	530		60.0	65.0	50.0	55.0	45	1116x1134x388	82
LNXGCVHRVI15IM3A	1500	160	1000	380V/3N/50Hz	60.0	65.0	50.0	55.0	51	1600x1200x540	200
LNXGCVHRVI20IM3A	2000	170	1200		60.0	65.0	50.0	55.0	53	1650x1400x540	225
LNXGCVHRVI25IM3A	2500	180	2000		60.0	65.0	50.0	55.0	55	1430x1610x600	240
LNXGCVHRVI30IM3A	3000	200	2100		60.0	65.0	50.0	55.0	57	1600x1700x640	270
LNXGCVHRVI40IM3A	4000	220	2400		60.0	65.0	50.0	55.0	60	1330x1725x1050	265
LNXGCVHRVI50IM3A	5000	240	3000		60.0	65.0	50.0	55.0	61	1660x1820x1050	280
LNXGCVHRVI60IM3A	6000	290	3600		60.0	65.0	50.0	55.0	70	1660x1820x1050	310
LNXGCVHRVI70IM3A	7000	310	4200		60.0	65.0	50.0	55.0	73	2060x1660x1168	360
LNXGCVHRVI80IM3A	8000	320	6000		60.0	65.0	50.0	55.0	74	2060x1660x1168	382
LNXGCVHRVI90IM3A	9000	340	7500		60.0	65.0	50.0	55.0	77	2310x1900x1200	500
LNXGCVHRVI100IM3A	10000	400	8000		60.0	65.0	50.0	55.0	78	2310x1900x1200	534

Notes:

1.Cooling test condition: indoor side 27°C DB, 19.5°C WB outdoor fresh air 35°C DB, 28
2.Heating test condition: indoor side 21°C DB, 13°C WB outdoor fresh air 5°C DB, 2°C
3.The above data may be changed without notice for future improvement on quality and performance

Heat Recovery Ventilator

Air Handler Unit



Features

Insulated cabinet

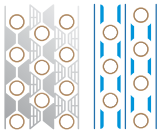
Galvanized steel with paint on all panels. Thermal insulator cover all inside panels to reduce heat and cooling losses and prevent condensed water accumulation.

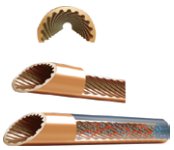
Motor & Blower

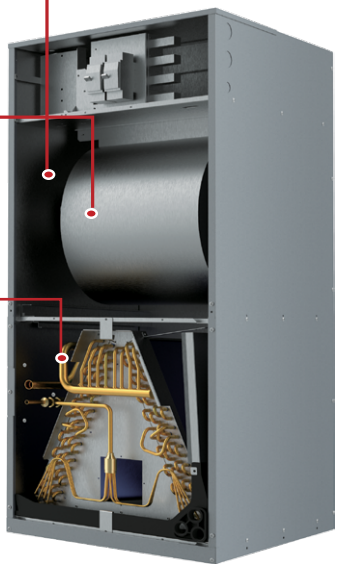
Direct drive motors, 3-speed, provide selections of air flow to meet desired applications.Φ10"big fan, powerful wind.

Coil

"A" shape coils, constructed with copper tubing and enhanced aluminum fins.

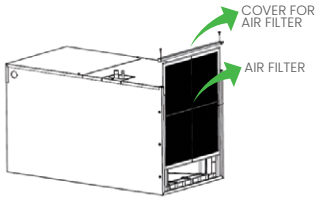






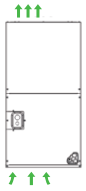
Filter optional

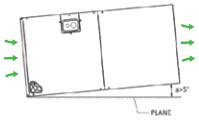
Detachable air filter for cleaning or renewal.



Multi-position installation

Versatile 4-way convertible design for vertical up airflow, horizontal right airflow.





*Note:Installation of vertical up airflow and horizontal right airflow needs to be customized.

Specification

Model Name	power type	Capacity				Power Input	Air Flow		Sound level	ESP	Dimension(WxHxD)		Body weight		Connecting Pipe			Standard Controller
		Cooling		Heating							Packing	Body	Net	Gross	Gas	Liquid	Drain	
		KW	KBtu/h	KW	KBtu/h	KW	m^3/h	CFM	DB(A)	Pa	mm	mm	Kg	Kg	mm	mm	mm	
LNXKTVAHUI71I0Y3HPA	60 Hz	7.1	24.1	8.0	27.2	290	1500	882.3	51-54	25	774x520x460	834x520x565	36	39	15.88	9.52	20	Wired Controller
LNXKTVAHUI105I0Y3HPA	60 Hz	10.5	35.7	11.5	39.1	290	1500	882.3	51-54	37	774x520x460	834x520x565	36	39	15.88	9.52	20	Wired Controller
LNXKTVAHUI160I0Y3HPA	60 Hz	16.0	54.4	18.0	61.2	517	2500	1470.6	57-60	50	970x550x500	1030x560x595	48	52	15.88	9.52	20	Wired Controller

Notes:

1.Power supply:208-230V/1N/60Hz;
2.Cooling test condition: Indoor side 27°C DB, 19°C WB, outdoor side 35°C DB. Heating test condition: Indoor side 20°C DB, 15°C WB, Outdoor side 7°C DB;
3.Sound level: measured at a point 1 min front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance

Controllers & Software

Wireless Controllers

- Temperature setting
- Indoor unit address inquiry
- Timer function

- Operation mode setting
- Indoor unit address setting
- Fan speed setting

Wired Controllers

LNX-WC

Bidirectional communication. Indoor unit's operating parameters(error code, temperature, address) can be inquired and displayed on the controller.

Compact design

Timer function

Fahrenheit/centigrade setting

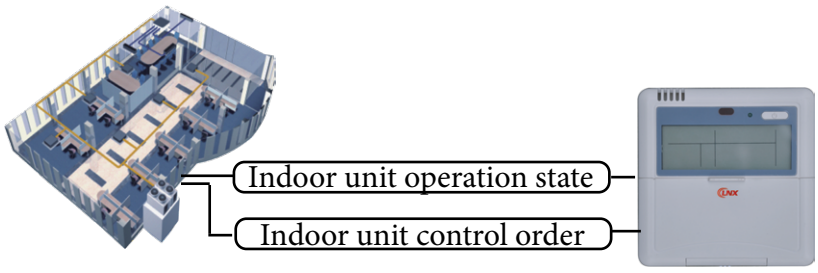
Address setting

Press button tone setting

Touch Screen Wired Controller

- Air filter cleaning reminding function.
- Touch screen with black background and blue light.
- Ultra thin body and stylish design meet high-end environments.
- On/off, temperature setting, fan speed setting, mode setting, timer and check function.

Simple Centralized Controller



LNX-D184

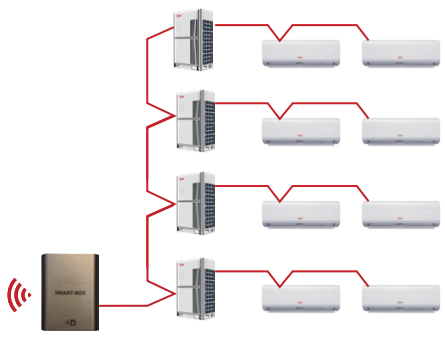
- Easy to install. Controller connects to outdoor units only.
- 1 Controller can control maximum 100 indoor units.
- Mode lock function, user can lock the running mode of indoor unit.
- Build in Modbus protocol.

Smart Manager

- Available on iOS and Android

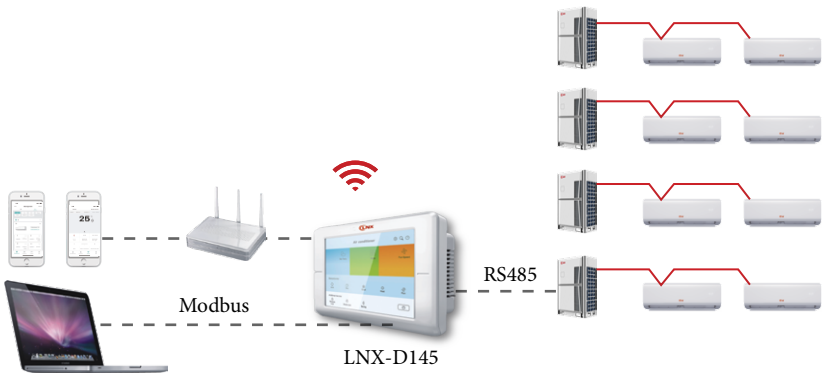
- Remote control via cloud serve

- Single unit controller or group control
- Weekly schedule management
- 100 indoor units can be controlled
- Operation parameter enquiry



LNX-D181

Touch Screen Centralized Controller



- Build in WIFI modular
- Build in Modbus protocol
- Weekly schedule management
- Operation parameter equiry
- User friendly UI design

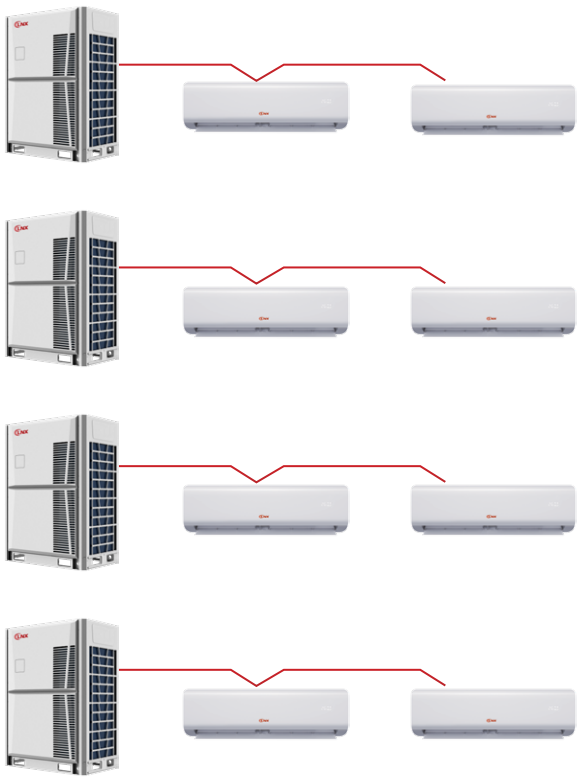
LNX-NET (Centralized Control System)


BMS/BAS System


Gateways


Router


Controller



- Centralized control
- Electricity charge management
- Operation data record
- Schedule management

BMS Gateway

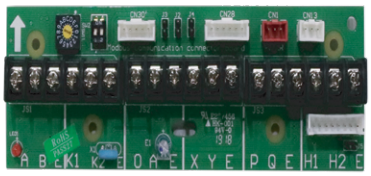
Modbus gateway	Independent Modbus Box or built-in with outdoor unit
BACnet gateway	Connect with Modbus gateway, use BACnet IP protocol

BMS/BAS System

- Honeywell
- Siemens
- Johnson controls

Etc...

Option 1



Modbus gateway

Option 2

BACnet gateway

Modbus gateway

LNX systems

AHU Connection Kit

- LNX AHU kit is an interface that allows 3rd party manufacturer's AHU connecting to LNX VRF outdoor units.
- No address limit and automatic addressing.
- Split type, convenient for installation.
- One electrical part has one address and can max. connect 4 EXV parts.
- One AHU kit can max. connect up to 120HP

LNX
AHU Kit

Electrical part

- PCB
- Power terminals
- Communication terminals

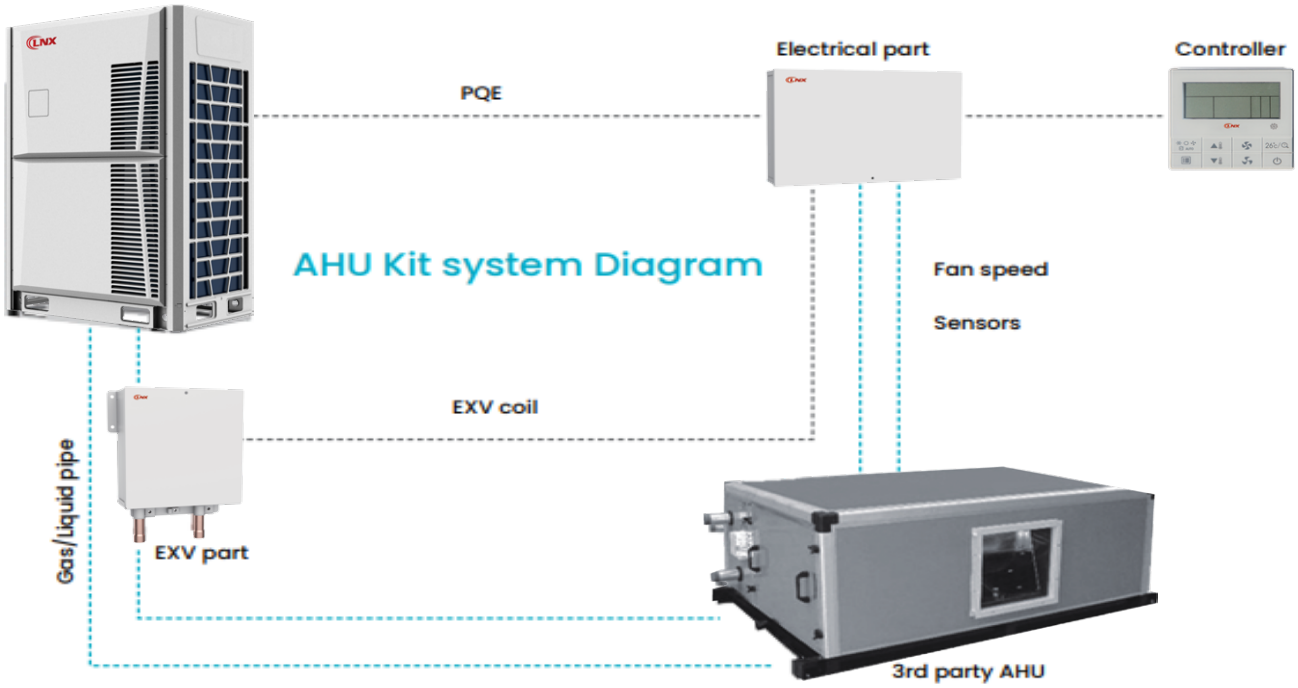
EXV part

- Outlet pipe
- Inlet pipe
- EXV

Sensors & wires

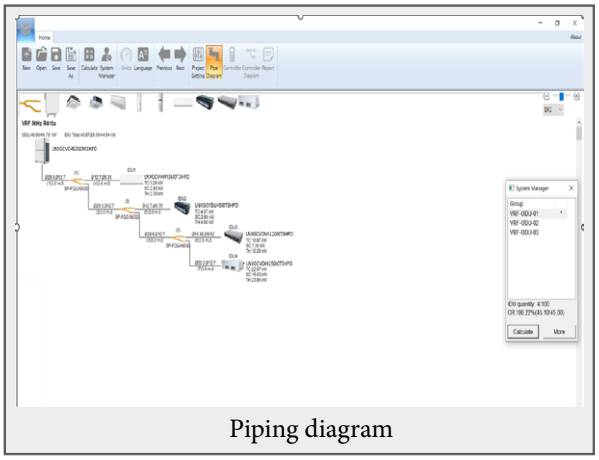
- T1 sensor and wire
- T2 sensor and wire
- T2B sensor and wire
- Controller wire

Controller

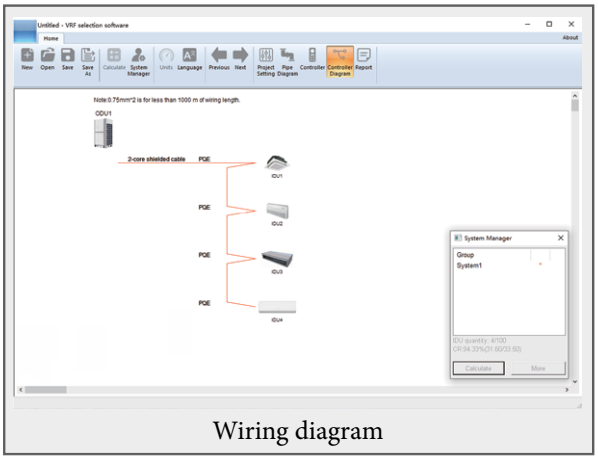


VRF Selection Software

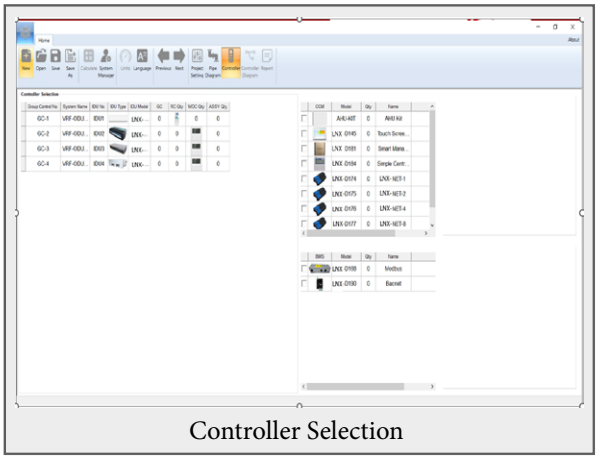
The selection software provides a comprehensive selection of system design reports and calculations. Base on the units selected, the software produces detailed system layout and piping requirement calculations, greatly improves the work efficiency.



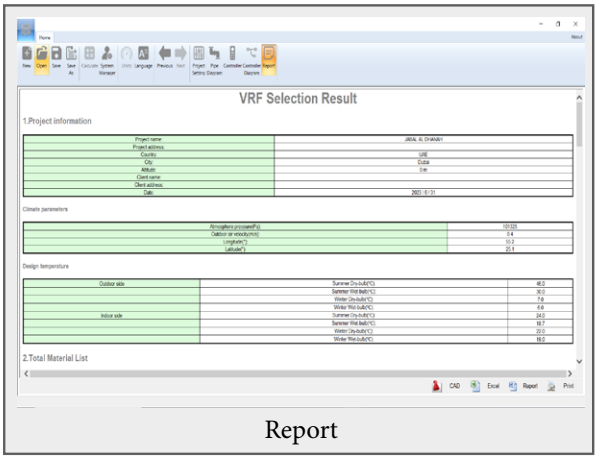
Piping diagram



Wiring diagram

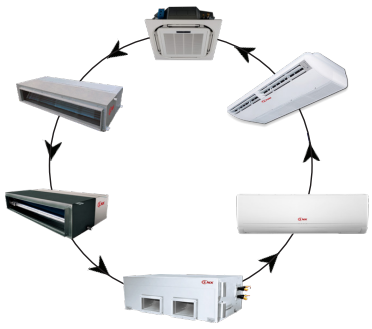


Controller Selection



Report

PRODUCTS FOR ALL SEASONS



Package Units

Fixed Speed Scroll Compressor
Inverter Scroll Compressor
Radial Fan
EC Inverter Plug Fan

Airside Products

Fresh Air Handling Units
Air Handling Units
FCU

RLC

Wall Mounted
Cassette
Ducted Split
Ceiling Mounted
Free Standing

VRF

Mini VRF
Heat Pump
Cool Only

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