

Trusted Provider of Data Center Solution



Energy Storage System Cooling

Intelligent Temperature Control Solution

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Wechat channel

202307 (V1.1)

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INVT NETWORK POWER (SHENZHEN)CO.,LTD.

invt 英威腾

Stock code : 002334



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Company Profile

INVT Network Power (Shenzhen) Co., Ltd. is a subsidiary of Shenzhen INVT Electric Co., Ltd. (stock code: 002334), focusing on R&D, production and application of integrated solutions for key infrastructure in data centers. To empower informatization construction, we provide data center a safe and reliable, technology advance, intelligent and flexible, green and energy-saving, economically applicable data center key infrastructure “base” for data transmission, calculation, and storage.

According to GB50174 and TIA-942 standards, standardization and modular design are fully adopted to realize the advantages of rapid deployment, flexible expansion, intelligent operation and maintenance, green and high efficiency.

We have an excellent team with more than 15 years of experience in the data center industry, and have a thorough understanding of the data center. The company has advanced information and intelligent supply chain management means and service capabilities such as MES production, ERP planning, OA office, PDM data management, CRM customer relationship, and TMS logistics management.

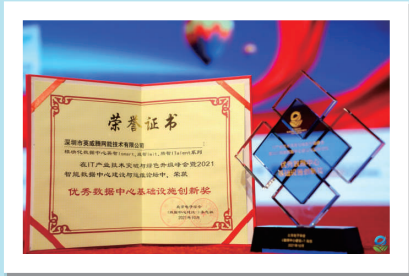
“Make every effort to provide cost-effective products and services, making customers more competitive” is our unswerving mission.



Baoan Manufacturing Center

Honor & Qualification

What we pursue is not only honor, but also the recognition of customers. This is not only an affirmation, but also an encouragement, making our steps firmer.



R&D innovation



Enthalpy difference laboratory



Safety laboratory



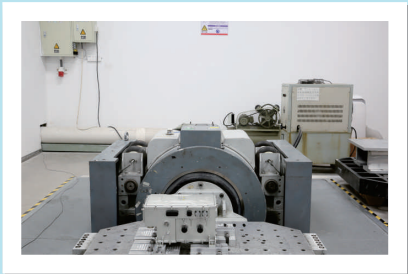
Climate and environment laboratory



Performance laboratory



Components laboratory



Mechanical environment laboratory



Dustproof and waterproof laboratory



Equipment development laboratory



EMC laboratory

Honor & qualification

- Data Center Excellent Solution Award
- National High-Tech Enterprise
- Top Ten Most Influential Brands
- CNAS laboratory certificate
- Guangdong Engineering Technology Research Center
- Annual Excellent Solution for Data Centers
- Data Center Annual Innovation Products

Management system certification

- The R & D production management system has been certified by TUV and conforms to the quality management system standard ISO9001:2015
- Comply with ISO45001:2018
- Comply with ISO14001:2015
- All products comply with CE standard

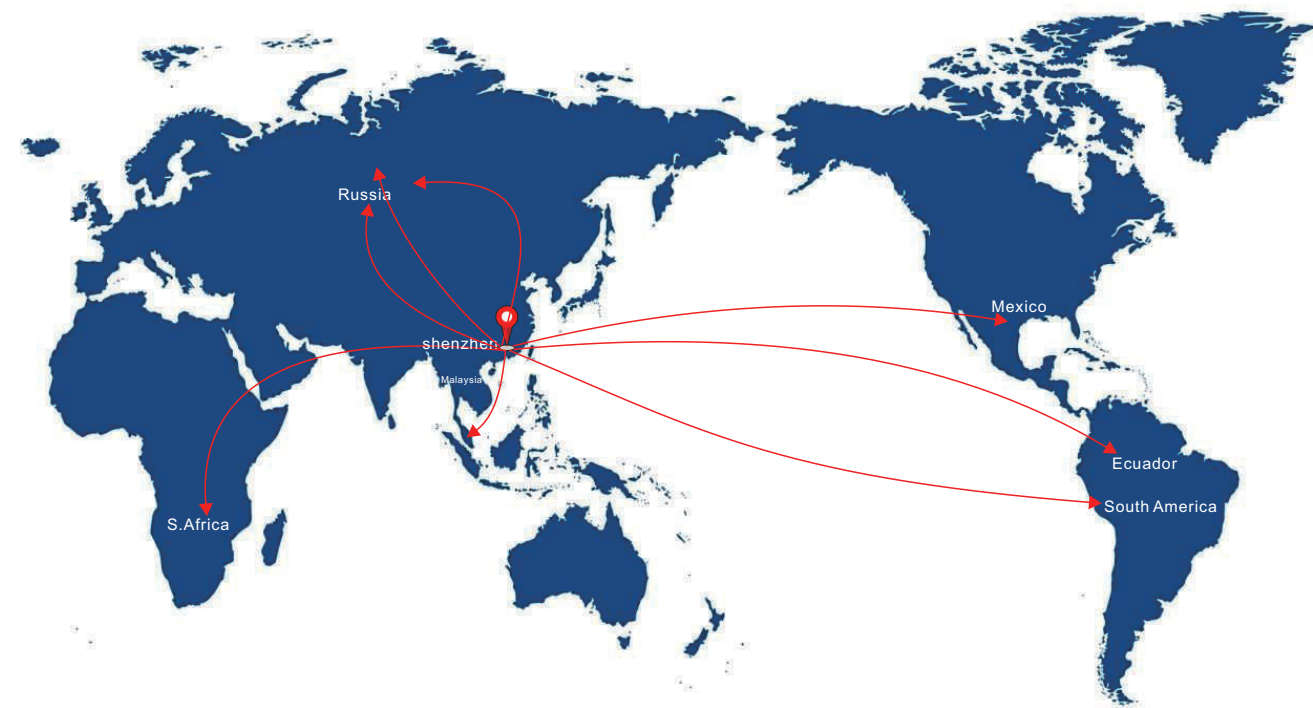
R & D Strength

- More than 1,500 intellectual propertys
- 13% of sales revenue is used for R&D and innovation
- Adopt IPD integrated product development management mode

Laboratory

- National compressor refrigeration equipment certification laboratory
- Precision air conditioner enthalpy difference laboratory
- China National Accreditation Service for Conformity Assessment CNAS laboratory accreditation certificate
- TUV witness laboratory qualification
- UI laboratory qualification

Network Service



Customers all over the world

S.Africa
Asia
Europe
North America
South America

Service hotline 

(86-755)26782480

World unified hotline to provide professional service consultation; Customers can visit the site and products in zero distance; Excellent product use training courses.



INVT Energy Storage System Cooling

INVT VCE series energy storage system cooling is a professional temperature control solution designed for containers, power control cabinets and IDC prefabricated warehouses. The air conditioner uses an energy-efficient EC fan, DC inverter compressor, and EEV to provide high efficiency, large air volume, and high static pressure. In addition, it provides a variety of alarms, control functions and efficient and reliable temperature and humidity control solutions for energy storage systems and power control systems.

7.5kW (Indoor type)



● Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

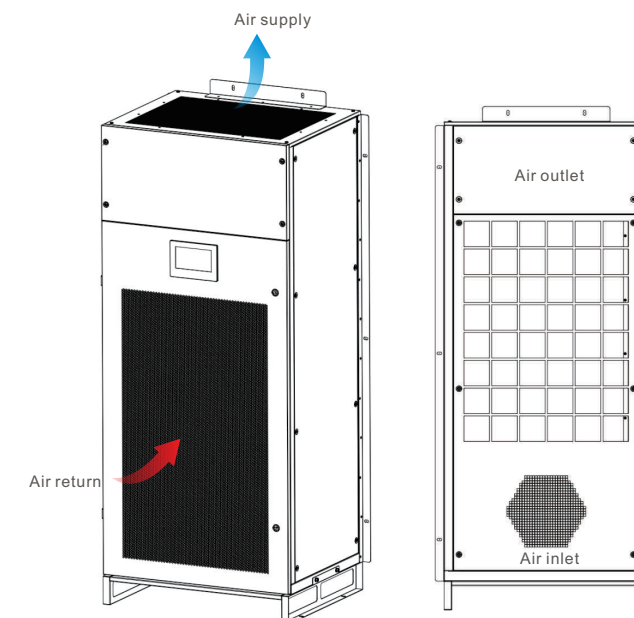
● Application

Energy storage, Solar industry
New Energy & Power industry

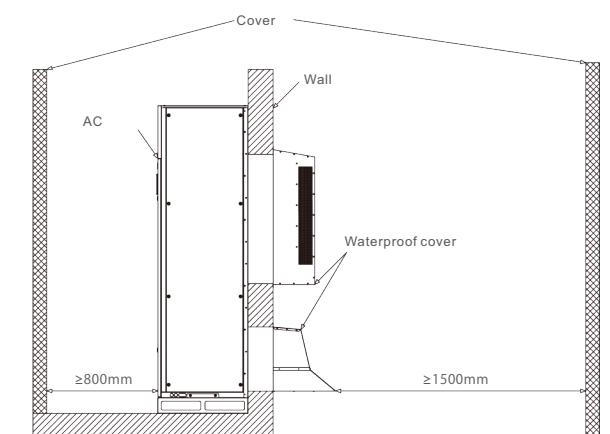
Model: VCE007UUCE122

7.5kW(@ indoor 27°C/50%, outdoor 35°C);
220V±15%, 50/60Hz, 1phase;
Floor-standing or Wall-mounted;
Upflow air supply; Air volume: 2500m³/h;
Application Environment: -40°C ~ +50°C;

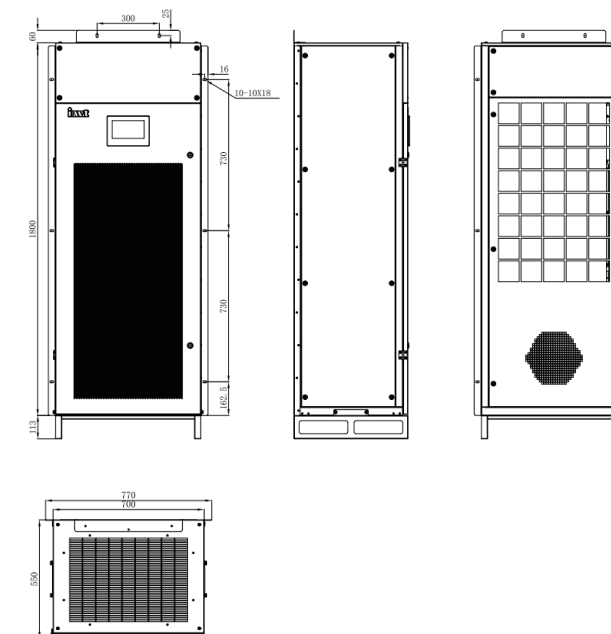
● Airflow diagram



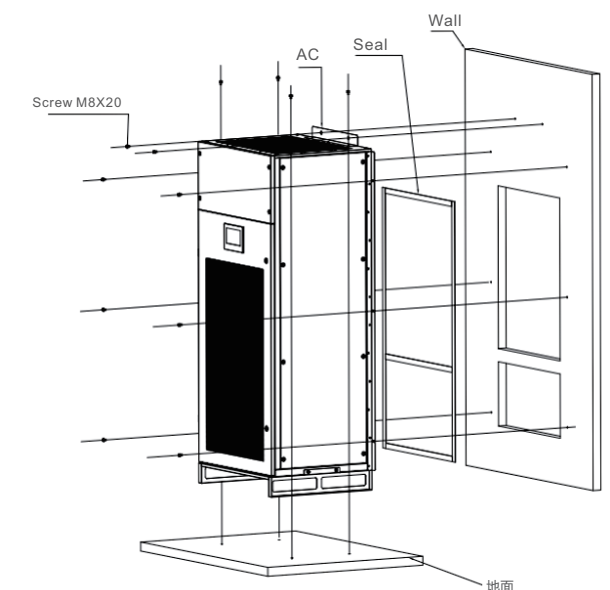
● Maintenance space



● Dimension



● Installation diagram



• Parameters

Type	Model	VCE007UUCE122
Configuration	Total cooling capacity (kW)	7.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP20
	Ton (USA)	2.13
	Sensible Heat Ratio (W/W)	0.89
	EER (W/W)	2.64
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	5.5
	Current (A)	25
Power Supply	Max Input Power (kW)	5.72
	Rated Power (kW)	2.7
	Full Load Current (A)	26
	Rated Current (A)	12.81
	MCA (A)	2.51
	MOP (A)	26
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE007UUCE122
Compressor	Type	Inverter Rotor
	Refrigerant	R410A
	COP (W/W)	3.66
	Input Power (kW)	2.04
	Input Current (A)	7.55
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.38
	Input Current (A)	2.51
	Air Volume (m³/h)	2500
Condenser Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.42
	Input Current (A)	2.75
	Air Volume (m³/h)	3000
Dimension & Weight	Width (mm)	700
	Depth (mm)	550
	Height (mm)	1800
	Weight (kg)	163



● Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

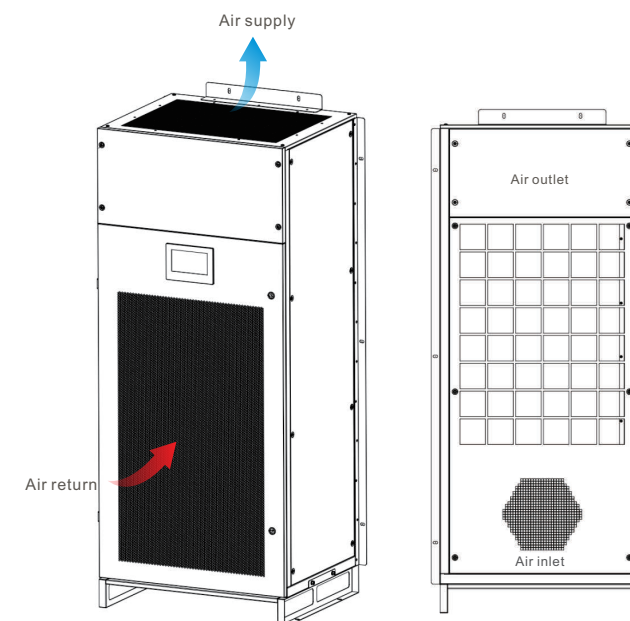
● Application

Energy storage, Solar industry
New Energy & Power industry

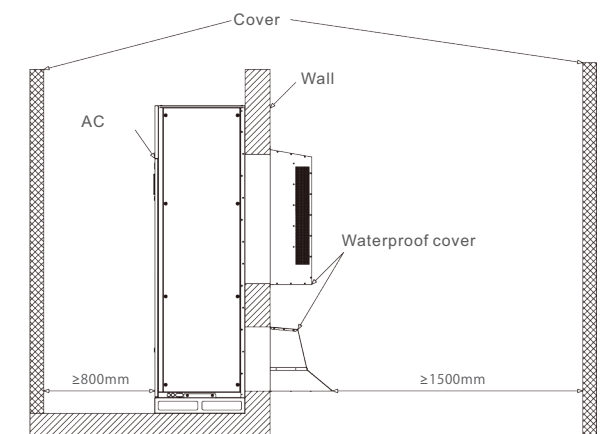
Model: VCE010UUCE122

10kW(@ indoor 27°C/50%, outdoor 35°C);
220V±15%, 50/60Hz, 1phase;
Floor-standing or Wall-mounted;
Upflow air supply; Air volume: 3000m³/h;
Application Environment: -40°C ~ +50°C;

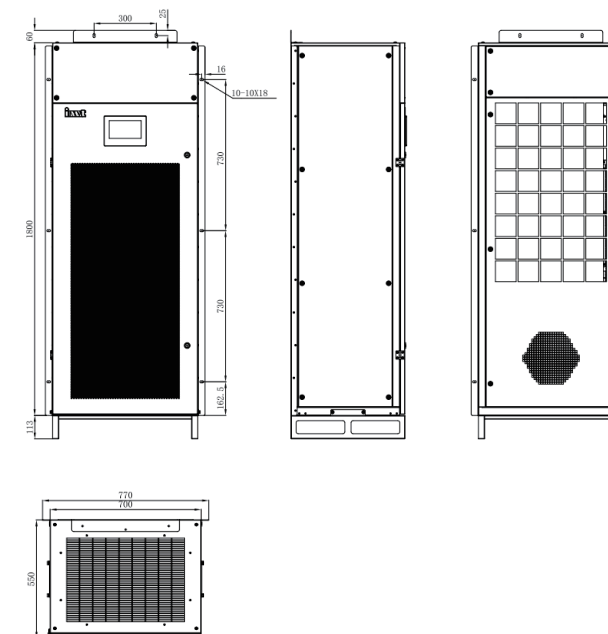
● Airflow diagram



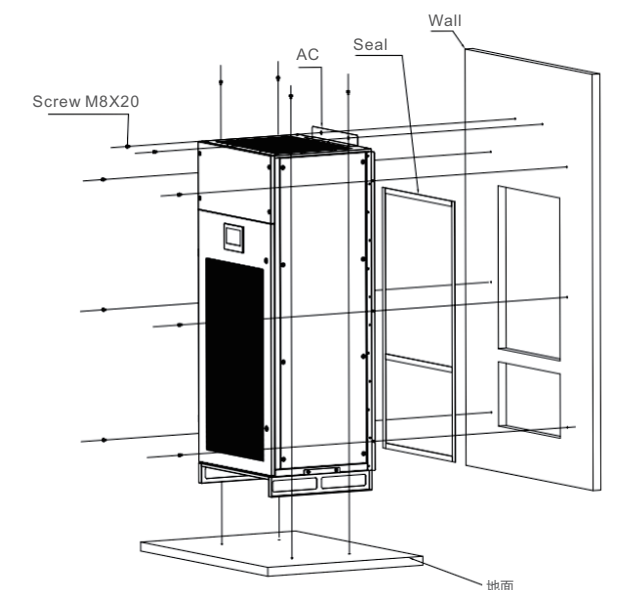
● Maintenance space



● Dimension



● Installation diagram



• Parameters

Type	Model	VCE010UFCE122
Configuration	Total cooling capacity (kW)	10
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP20
	Ton (USA)	2.84
	Sensible Heat Ratio (W/W)	0.86
	EER (W/W)	2.34
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	6
	Current (A)	27.3
Power Supply	Max Input Power (kW)	6.6
	Rated Power (kW)	4.27
	Full Load Current (A)	30
	Rated Current (A)	20
	MCA (A)	2.75
	MOP (A)	30
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE010UFCE122
Compressor	Type	Inverter Rotor
	Refrigerant	R410A
	COP (W/W)	2.68
	Input Power (kW)	3.43
	Input Current (A)	14.5
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.42
	Input Current (A)	2.75
	Air Volume (m³/h)	3000
Condenser Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.42
	Input Current (A)	2.75
	Air Volume (m³/h)	3000
Dimension & Weight	Width (mm)	700
	Depth (mm)	550
	Height (mm)	1800
	Weight (kg)	165

12.5kW (Indoor type)



● Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

● Application

Energy storage, Solar industry
New Energy & Power industry

Model: VCE012UUDE122

12.5kW(@ indoor 27°C/50%, outdoor 35°C);

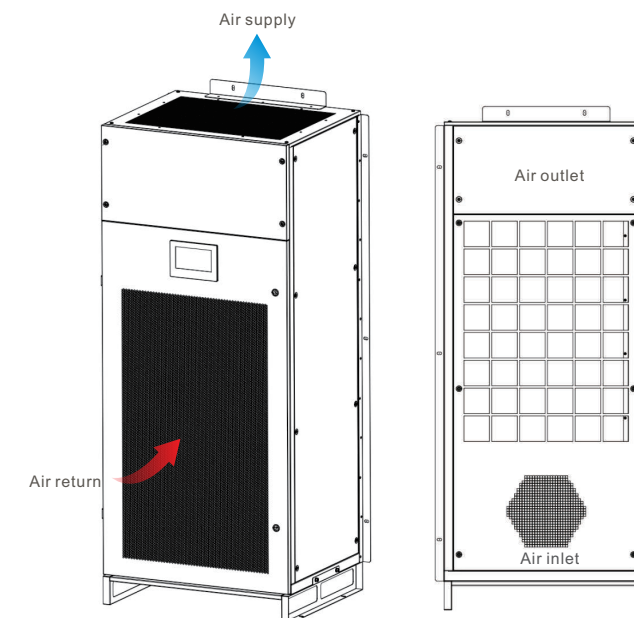
380V±15%, 50/60Hz, 3phase;

Floor-standing or Wall-mounted;

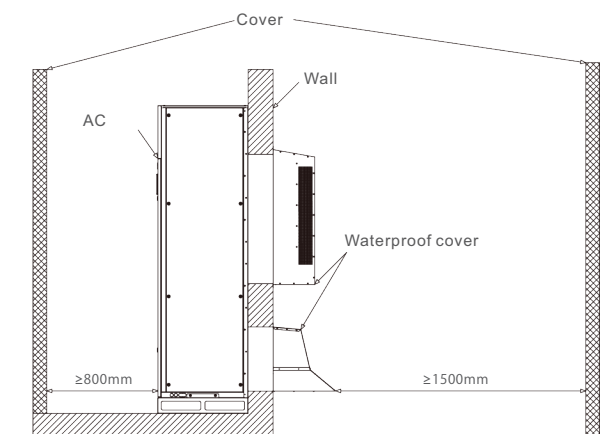
Upflow air supply; Air volume: 3200m³/h;

Application Environment: -40°C ~ +50°C;

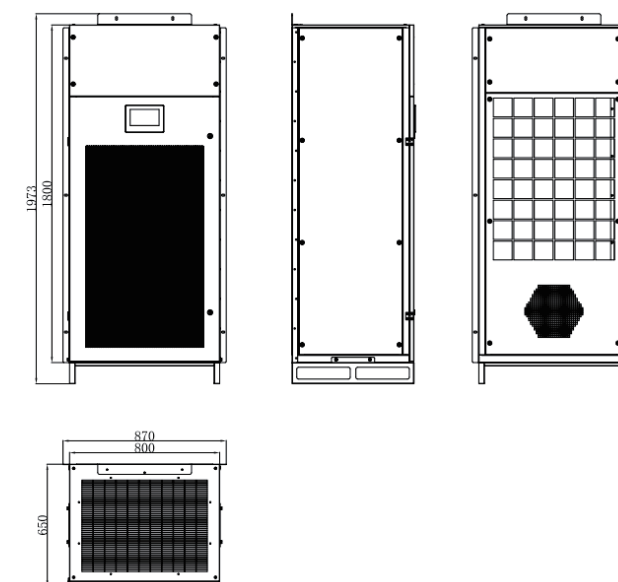
● Airflow diagram



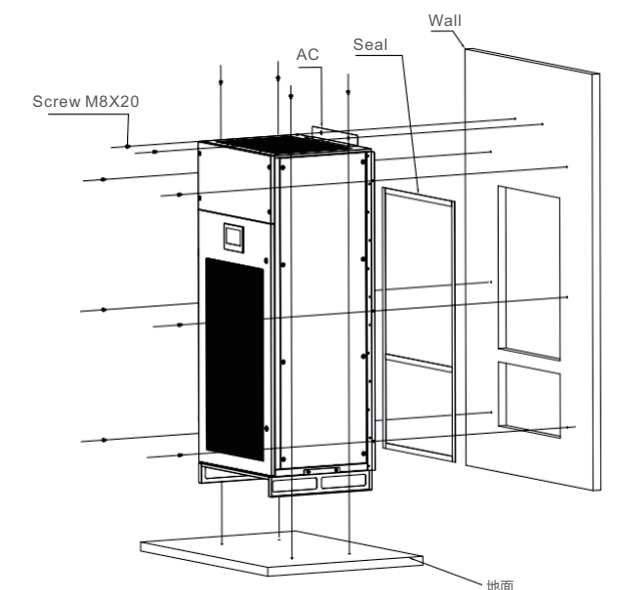
● Maintenance space



● Dimension



● Installation diagram



• Parameters

Type	Model	VCE012UUDE122
Configuration	Total cooling capacity (kW)	12.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP20
	Ton (USA)	3.55
	Sensible Heat Ratio (W/W)	0.88
	EER (W/W)	2.65
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	6
	Current (A)	13.6
Power Supply	Max Input Power (kW)	10
	Rated Power (kW)	4.72
	Full Load Current (A)	22
	Rated Current (A)	17.19
	MCA (A)	1.1
	MOP (A)	22
	Power type	380V 3PH~50Hz/60Hz

Type	Model	VCE012UUDE122
Compressor	Type	Inverter Rotor
	Refrigerant	R410A
	COP (W/W)	3.83
	Input Power (kW)	3.29
	Input Current (A)	14.52
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.18
	Input Current (A)	1.1
	Air Volume (m³/h)	3200
Condenser Fan	Type	EC Centrifugal fan
	Input Power (kW)	1.25
	Input Current (A)	2.33
	Air Volume (m³/h)	6500
Dimension & Weight	Width (mm)	800
	Depth (mm)	650
	Height (mm)	1800
	Weight (kg)	185

15.5kW (Indoor type)



● Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

● Application

Energy storage, Solar industry
New Energy & Power industry

Model: VCE015UUDE122

15.5kW(@ indoor 27°C/50%, outdoor 35°C);

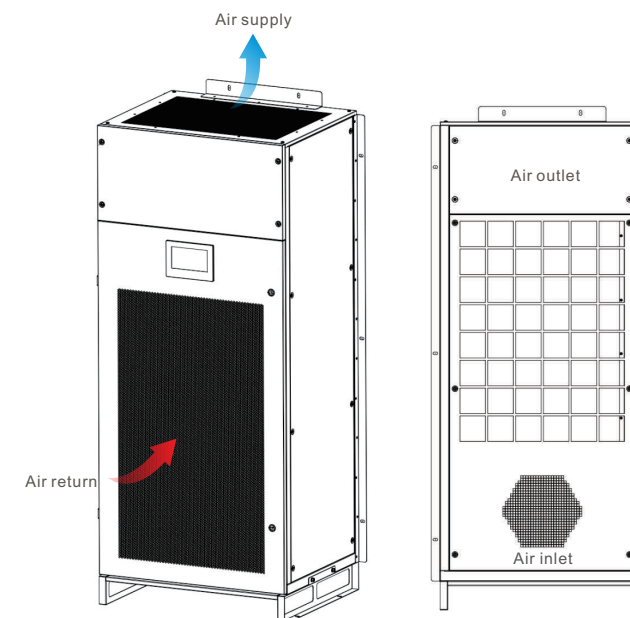
380V±15%, 50/60Hz, 3phase;

Floor-standing or Wall-mounted;

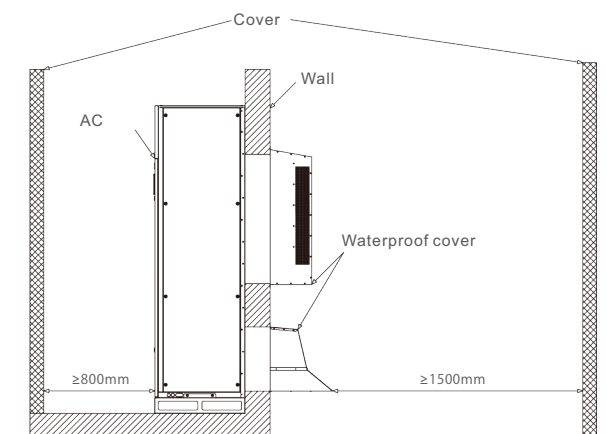
Upflow air supply; Air volume: 5000m³/h;

Application Environment: -40°C ~ +50°C;

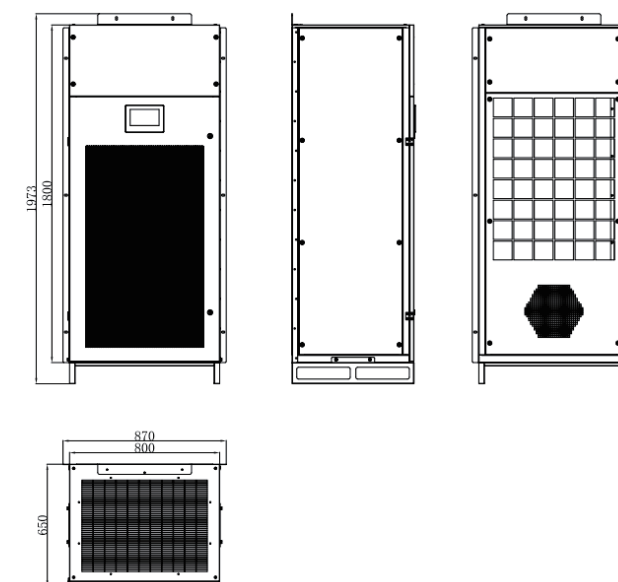
● Airflow diagram



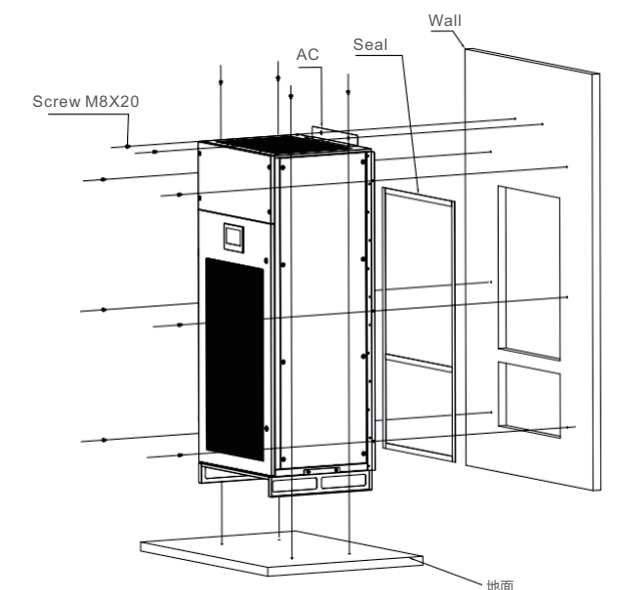
● Maintenance space



● Dimension



● Installation diagram



• Parameters

Type	Model	VCE015UUDE122
Configuration	Total cooling capacity (kW)	15.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP20
	Ton (USA)	4.41
	Sensible Heat Ratio (W/W)	0.88
	EER (W/W)	2.68
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	6
	Current (A)	13.6
Power Supply	Max Input Power (kW)	8
	Rated Power (kW)	5.81
	Full Load Current (A)	14
	Rated Current (A)	10.61
	MCA (A)	1.47
	MOP (A)	14
	Power type	380V 3PH~50Hz/60Hz

Type	Model	VCE015UUDE122
Compressor	Type	Inverter Rotor
	Refrigerant	R410A
	COP (W/W)	4.26
	Input Power (kW)	4.06
	Input Current (A)	6.81
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.5
	Input Current (A)	1.47
	Air Volume (m³/h)	5000
Condenser Fan	Type	EC Centrifugal fan
	Input Power (kW)	1.25
	Input Current (A)	2.33
	Air Volume (m³/h)	6500
Dimension & Weight	Width (mm)	800
	Depth (mm)	650
	Height (mm)	1800
	Weight (kg)	215

20.5kW (Indoor type)



● Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

● Application

Energy storage, Solar industry
New Energy & Power industry

Model: VCE020UUDE122

20.5kW(@ indoor 27°C/50%, outdoor 35°C);

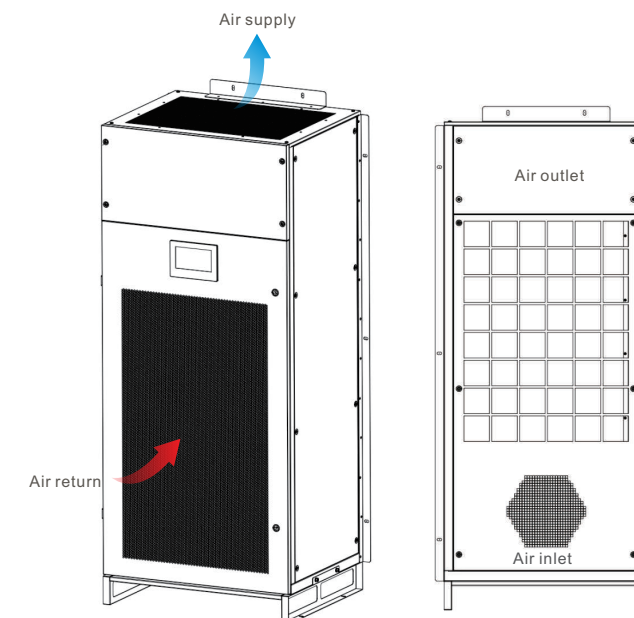
380V±15%, 50/60Hz, 3phase;

Floor-standing or Wall-mounted;

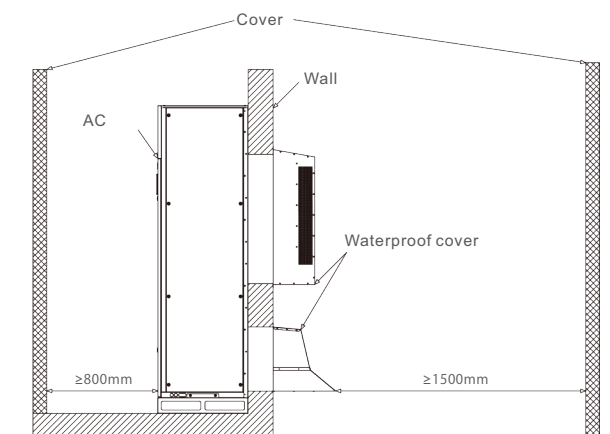
Upflow air supply; Air volume: 6000m³/h;

Application Environment: -40°C ~ +50°C;

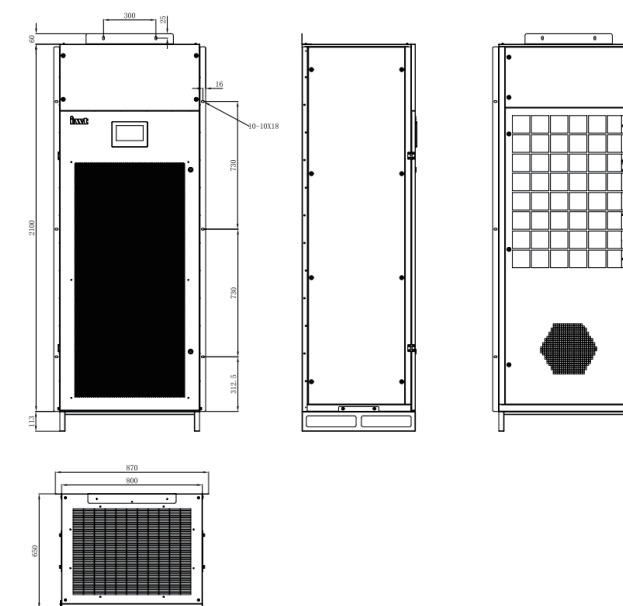
● Airflow diagram



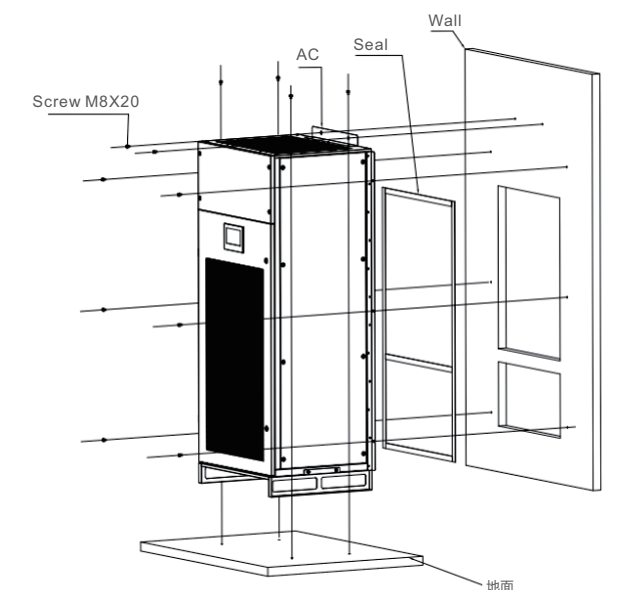
● Maintenance space



● Dimension



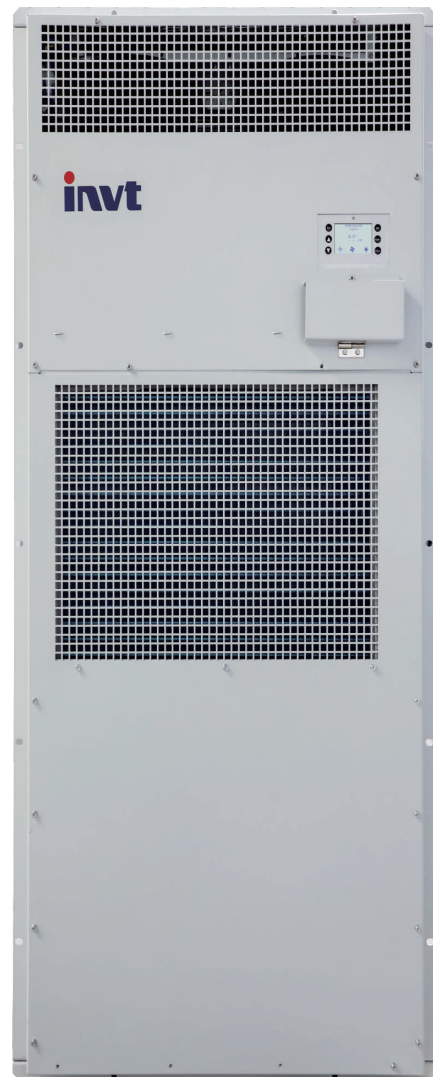
● Installation diagram



• Parameters

Type	Model	VCE020UUDE122
Configuration	Total cooling capacity (kW)	20.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP20
	Ton (USA)	5.83
	Sensible Heat Ratio (W/W)	0.87
	EER (W/W)	2.29
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	9
	Current (A)	13.6
Power Supply	Max Input Power (kW)	10
	Rated Power (kW)	8.96
	Full Load Current (A)	18
	Rated Current (A)	14.95
	MCA (A)	1.75
	MOP (A)	18
	Power type	380V 3PH~50Hz/60Hz

Type	Model	VCE020UUDE122
Compressor	Type	Inverter Rotor
	Refrigerant	R410A
	COP (W/W)	3.68
	Input Power (kW)	6.46
	Input Current (A)	10.29
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	1.25
	Input Current (A)	2.33
	Air Volume (m³/h)	6000
Condenser Fan	Type	EC Centrifugal fan
	Input Power (kW)	1.25
	Input Current (A)	2.33
	Air Volume (m³/h)	6500
Dimension & Weight	Width (mm)	800
	Depth (mm)	650
	Height (mm)	2100
	Weight (kg)	234



● Feature

- All-in-One design, easy installation
- Indoor & outdoor variable speed fan, energy-saving and reducing noise
- PTC heater, flexible dehumidification function
- Standard LCD screen, RS485, air filter
- Networking(Group control) via CAN comm.
- Real-time power detection
- More than 99 alarm records
- Standard hydrogen discharge control, optional timing or based on hydrogen concentration for discharge
- Self-starting when grid power recovery
- IP55 protection
- Optional: water leakage detection, smoke sensor, access control alarm

● Application

Energy storage & electrical container
Small server room or station

Model: VCE003UFAE111

3kW(@ indoor 35°C, outdoor 35°C);

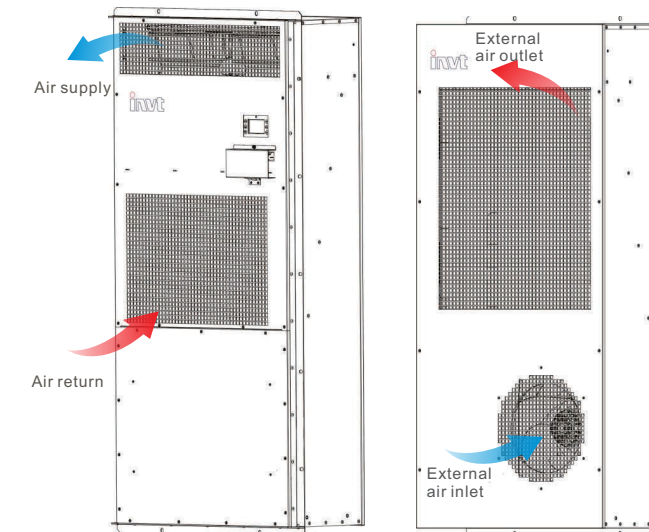
220V±15%, 50/60Hz, 1phase;

Door or Wall-mounted;

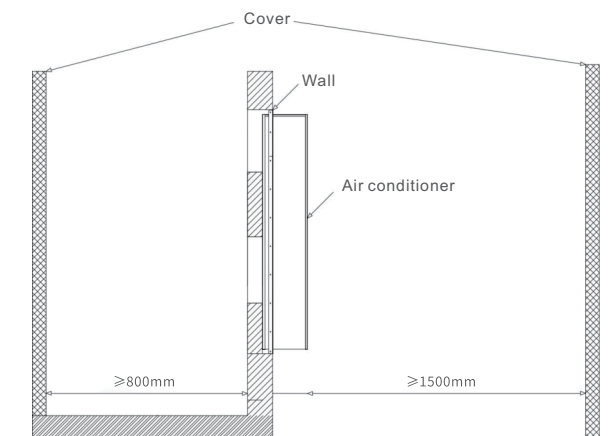
Top front air supply; Air volume: 900m³/h;

Application Environment: -40°C ~ +55°C;

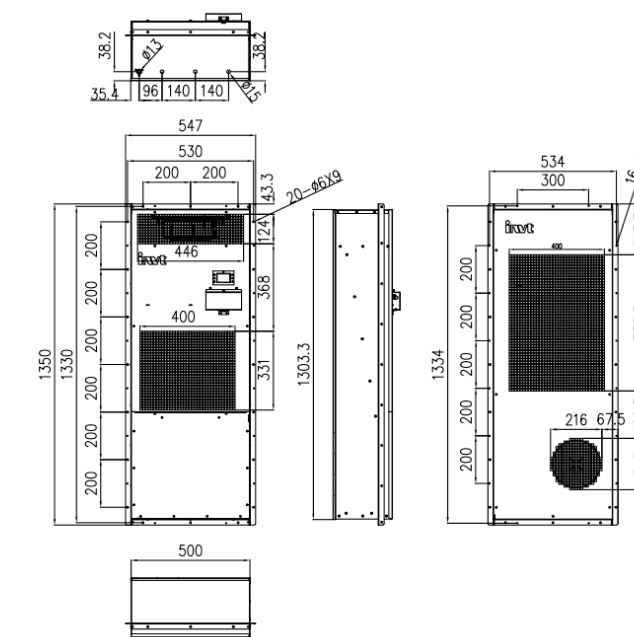
● Airflow diagram



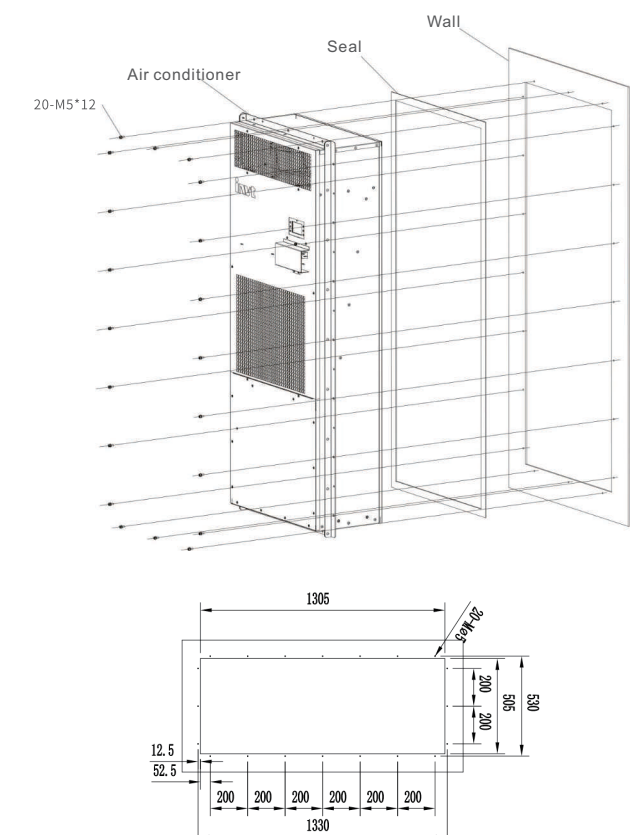
● Maintenance space



● Dimension



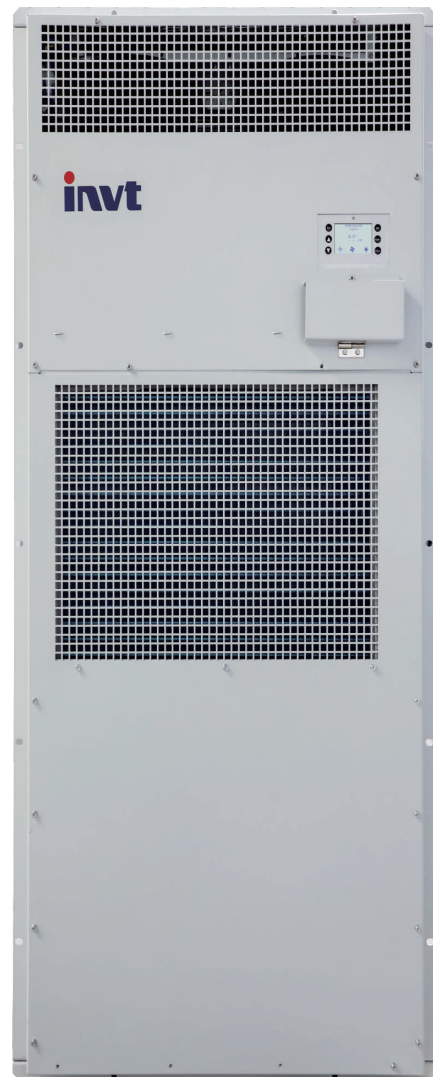
● Installation diagram



• Parameters

Type	Model	VCE003UFAE111
Configuration	Total cooling capacity (kW)	3
	Unit configuration	Constant temperature
	IP Grade	IP55
	Ton (USA)	0.85
	Sensible Heat Ratio (W/W)	1
	EER (W/W)	2.78
	Application	-40°C~+55°C
	Installation	Door / Wall-mounted
Heater	Heating Capacity (kW)	3
	Current (A)	13.6
Power Supply	Max Input Power (kW)	3.1
	Rated Power (kW)	1.08
	Full Load Current (A)	14
	Rated Current (A)	5.11
	MCA (A)	0.6
	MOP (A)	14
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE003UFAE111
Compressor	Type	Fixed-frequency rotor
	Refrigerant	R134a
	COP (W/W)	3.95
	Input Power (kW)	0.75
	Input Current (A)	3.71
Evaporator Fan	Type	AC Centrifugal fan
	Input Power (kW)	0.14
	Input Current (A)	0.6
	Air Volume (m³/h)	900
Condenser Fan	Type	AC Centrifugal fan
	Input Power (kW)	0.19
	Input Current (A)	0.8
	Air Volume (m³/h)	1500
Dimension & Weight	Width (mm)	500
	Depth (mm)	250
	Height (mm)	1300
	Weight (kg)	70



● Feature

- All-in-One design, easy installation
- Indoor & outdoor variable speed fan, energy-saving and reducing noise
- PTC heater, flexible dehumidification function
- Standard LCD screen, RS485, air filter
- Networking(Group control) via CAN comm.
- Real-time power detection
- More than 99 alarm records
- Standard hydrogen discharge control, optional timing or based on hydrogen concentration for discharge
- Self-starting when grid power recovery
- IP55 protection
- Optional: water leakage detection, smoke sensor, access control alarm

● Application

Energy storage & electrical container
Small server room or station

Model: VCE004UFAE111

4kW(@ indoor 35°C, outdoor 35°C);

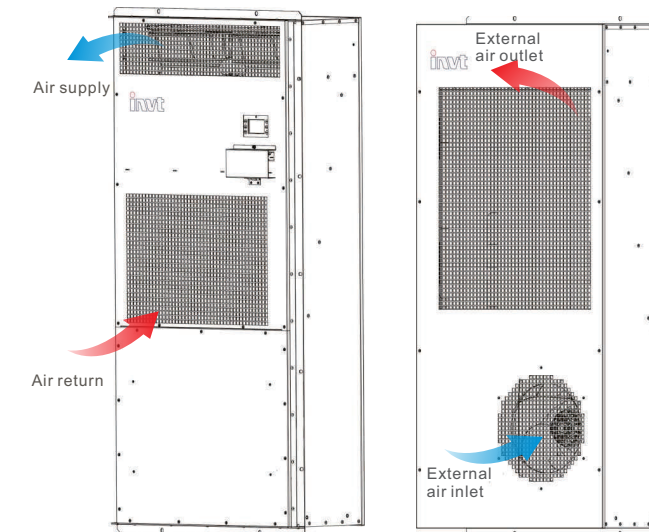
220V±15%, 50/60Hz, 1phase;

Door or Wall-mounted;

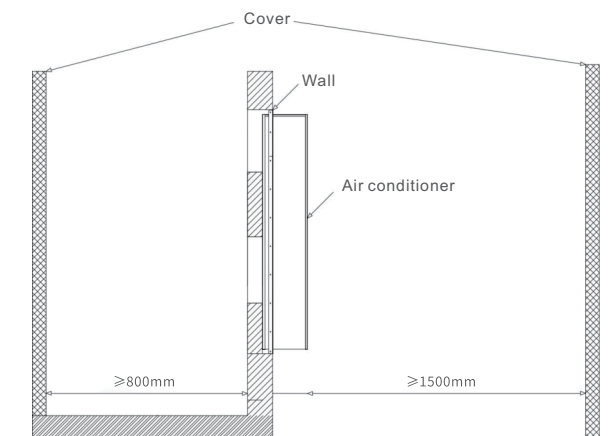
Top front air supply; Air volume: 1400m³/h;

Application Environment: -40°C ~ +55°C;

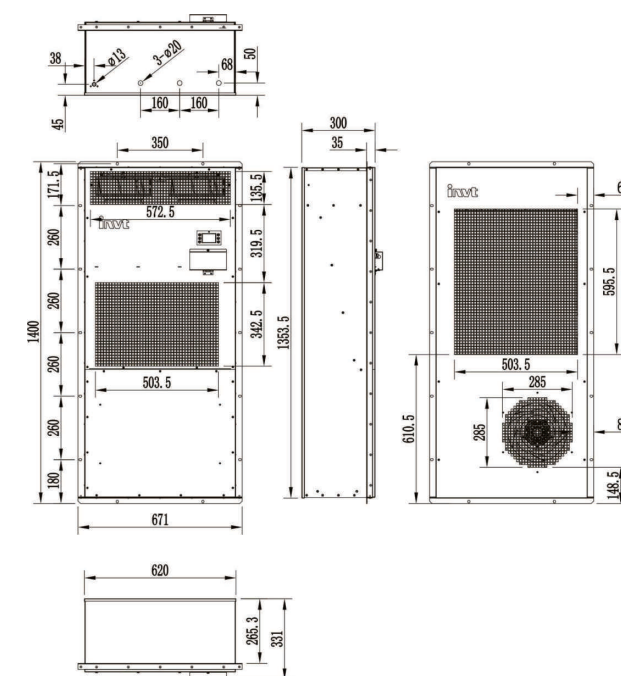
● Airflow diagram



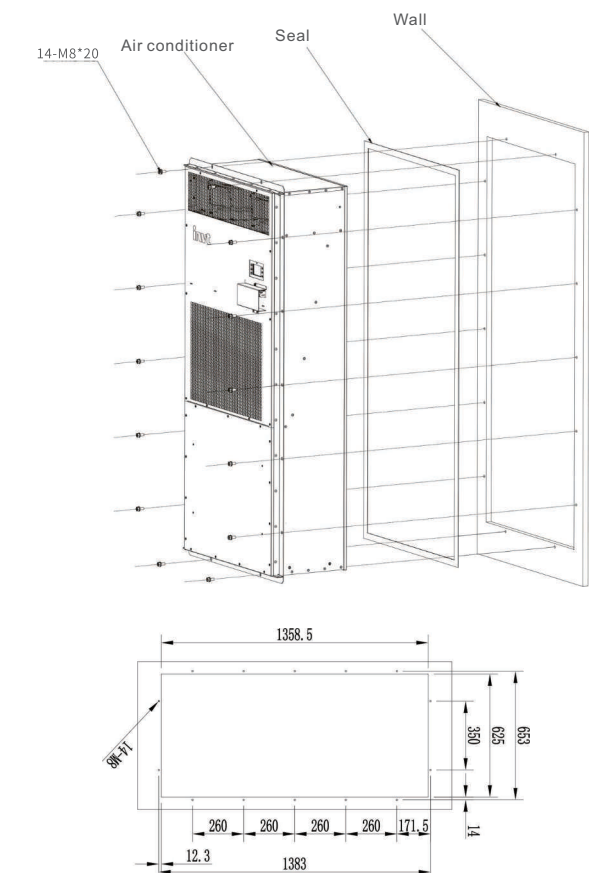
● Maintenance space



● Dimension



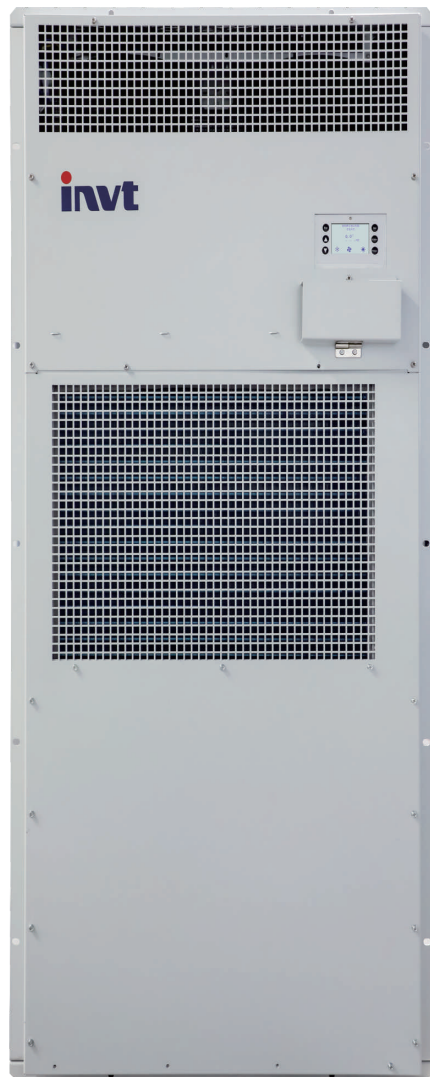
● Installation diagram



• Parameters

Type	Model	VCE004UFAE111
Configuration	Total cooling capacity (kW)	4
	Unit configuration	Constant temperature
	IP Grade	IP55
	Ton (USA)	1.14
	Sensible Heat Ratio (W/W)	1
	EER (W/W)	2.85
	Application	-40°C~+55°C
	Installation	Door / Wall-mounted
Heater	Heating Capacity (kW)	3
	Current (A)	13.6
Power Supply	Max Input Power (kW)	3.3
	Rated Power (kW)	1.4
	Full Load Current (A)	15
	Rated Current (A)	6.44
	MCA (A)	1.2
	MOP (A)	15
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE004UFAE111
Compressor	Type	Fixed-frequency rotor
	Refrigerant	R134a
	COP (W/W)	5.07
	Input Power (kW)	0.92
	Input Current (A)	4.24
Evaporator Fan	Type	AC Centrifugal fan
	Input Power (kW)	0.27
	Input Current (A)	1.2
	Air Volume (m³/h)	1400
Condenser Fan	Type	AC Centrifugal fan
	Input Power (kW)	0.21
	Input Current (A)	1
	Air Volume (m³/h)	2500
Dimension & Weight	Width (mm)	620
	Depth (mm)	300
	Height (mm)	1350
	Weight (kg)	87



● Feature

- All-in-One design, easy installation
- Indoor & outdoor variable speed fan, energy-saving and reducing noise
- PTC heater, flexible dehumidification function
- Standard LCD screen, RS485, air filter
- Networking(Group control) via CAN comm.
- Real-time power detection
- More than 99 alarm records
- Standard hydrogen discharge control, optional timing or based on hydrogen concentration for discharge
- Self-starting when grid power recovery
- IP55 protection
- Optional: water leakage detection, smoke sensor, access control alarm

● Application

Energy storage & electrical container
Small server room or station

Model: VCE005UFAE111

5kW(@ indoor 35°C, outdoor 35°C);

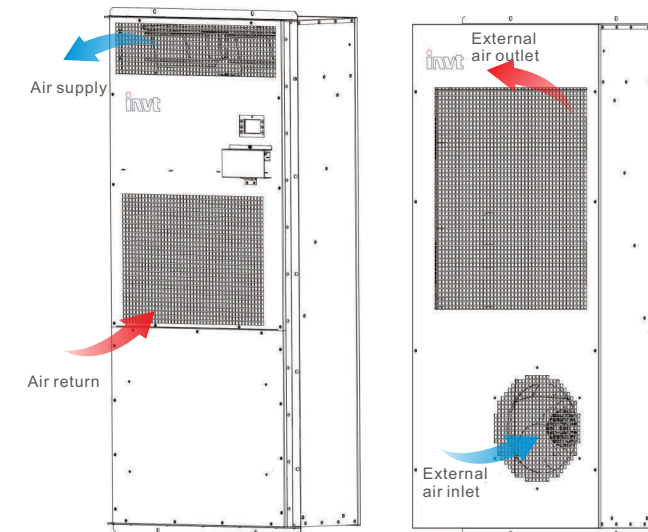
220V±15%, 50/60Hz, 1phase;

Door or Wall-mounted;

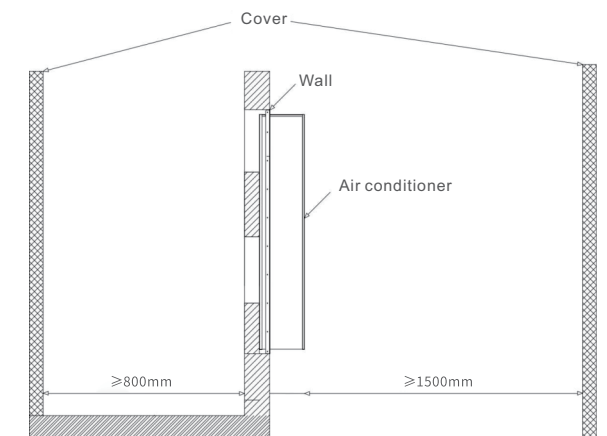
Top front air supply; Air volume: 1400m³/h;

Application Environment: -40°C ~ +55°C;

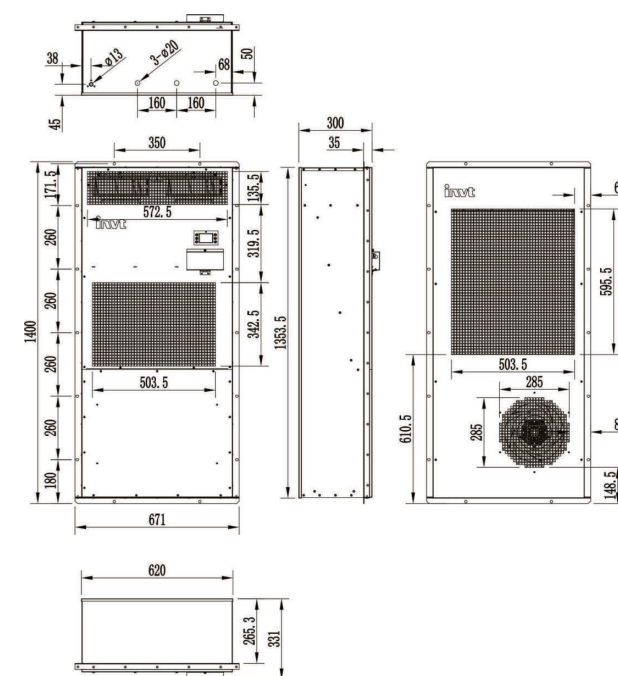
● Airflow diagram



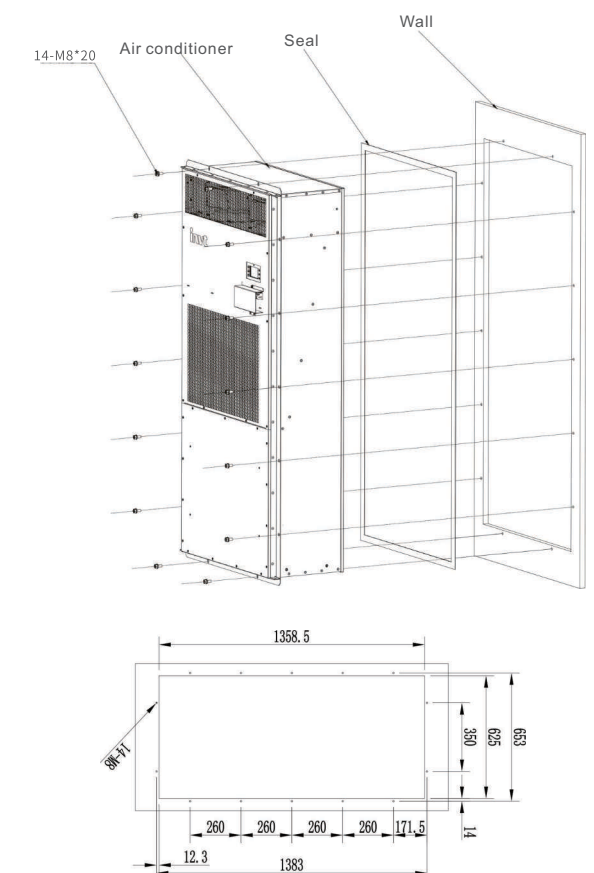
● Maintenance space



● Dimension



● Installation diagram



• Parameters

Type	Model	VCE005UFAE111
Configuration	Total cooling capacity (kW)	5
	Unit configuration	Constant temperature
	IP Grade	IP55
	Ton (USA)	1.42
	Sensible Heat Ratio (W/W)	1
	EER (W/W)	2.98
	Application	-40°C~+55°C
	Installation	Door / Wall-mounted
Heater	Heating Capacity (kW)	3
	Current (A)	13.6
Power Supply	Max Input Power (kW)	3.3
	Rated Power (kW)	1.68
	Full Load Current (A)	15
	Rated Current (A)	8.01
	MCA (A)	1.2
	MOP (A)	15
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE005UFAE111
Compressor	Type	Fixed-frequency rotor
	Refrigerant	R134a
	COP (W/W)	3.97
	Input Power (kW)	1.2
	Input Current (A)	5.81
Evaporator Fan	Type	AC Centrifugal fan
	Input Power (kW)	0.27
	Input Current (A)	1.2
	Air Volume (m³/h)	1400
Condenser Fan	Type	AC Centrifugal fan
	Input Power (kW)	0.21
	Input Current (A)	1
	Air Volume (m³/h)	2500
Dimension & Weight	Width (mm)	620
	Depth (mm)	300
	Height (mm)	1350
	Weight (kg)	95



- **Feature**

- *All-in-One design, easy installation*
- *Inverter compressor, EEV, EC fan*
- *PTC heater, flexible*
dehumidification function
- *7 inch intelligent touch screen*
- *RS485, SNMP(Optional)*
- *Networking(Group control) via CAN comm.*
- *Multi-function alarm output signal, multiple protection functions*

- **Application**

Energy storage, Solar industry
New Energy & Power industry

Model: VCE007UFCE121

7.5kW(@ indoor 27°C/50%, outdoor 35°C);

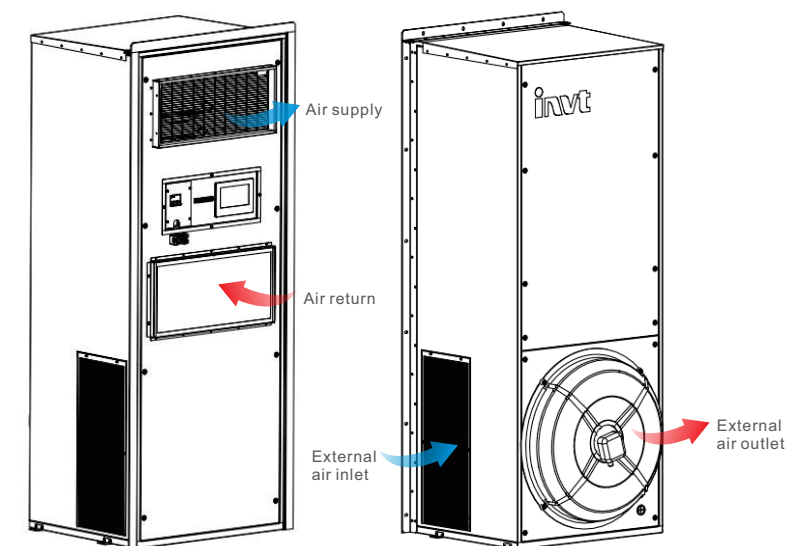
220V±15%, 50/60Hz, 1phase;

Floor-standing or Wall-mounted;

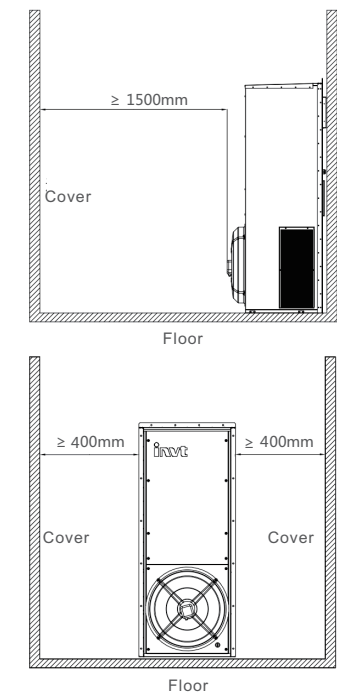
Top front air supply; Air volume: 2500m³/h;

Application Environment: -40°C ~ +50°C;

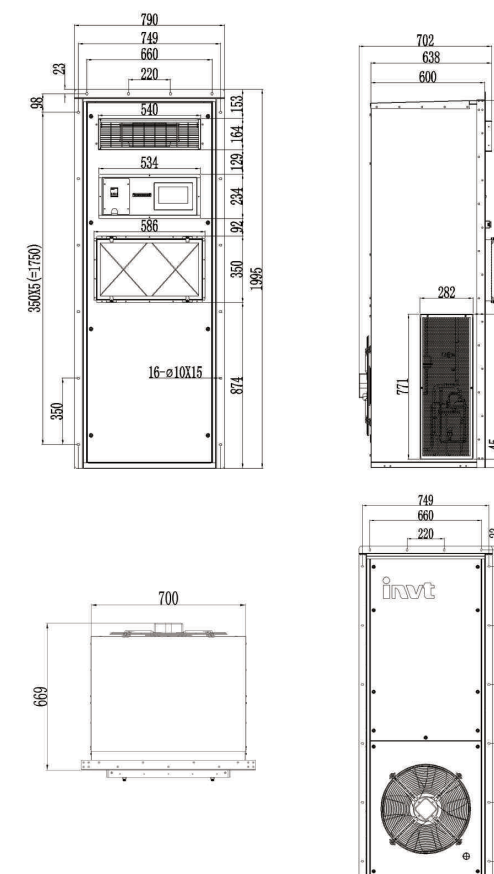
- Airflow diagram



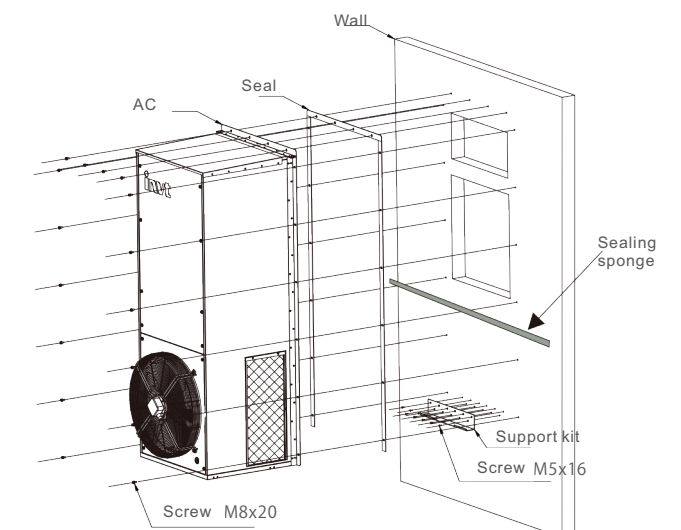
- Maintenance space



- Dimension



- Installation diagram



• Parameters

Type	Model	VCE007UFCE121
Configuration	Total cooling capacity (kW)	7.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP55
	Ton (USA)	2.13
	Sensible Heat Ratio (W/W)	0.87
	EER (W/W)	2.93
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	5.5
	Current (A)	25
Power Supply	Max Input Power (kW)	5.72
	Rated Power (kW)	2.57
	Full Load Current (A)	26
	Rated Current (A)	11.78
	MCA (A)	1.45
	MOP (A)	26
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE007UFCE121
Compressor	Type	Inverter Rotor
	Refrigerant	R410a
	COP (W/W)	3.65
	Input Power (kW)	2.12
	Input Current (A)	9.14
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.21
	Input Current (A)	1.45
	Air Volume (m³/h)	2500
Condenser Fan	Type	AC Axial fan
	Input Power (kW)	0.24
	Input Current (A)	1.2
	Air Volume (m³/h)	5500
Dimension & Weight	Width (mm)	700
	Depth (mm)	600
	Height (mm)	1950
	Weight (kg)	173



• Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

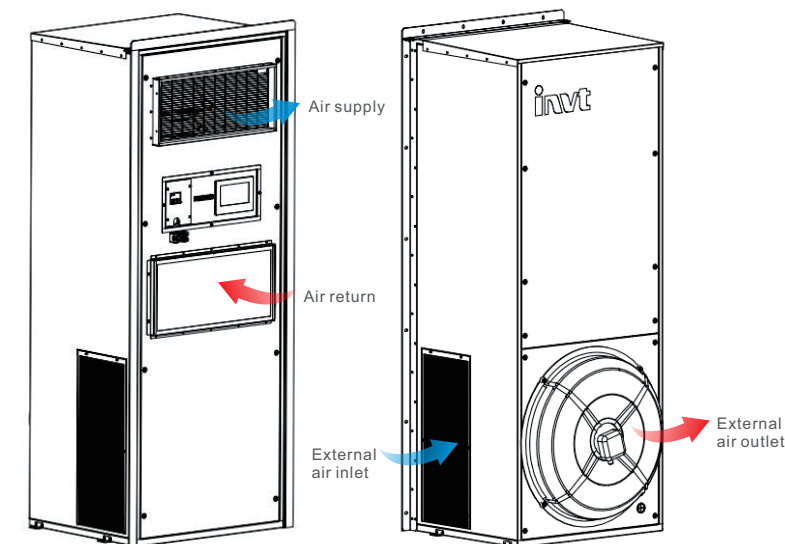
• Application

Energy storage, Solar industry
New Energy & Power industry

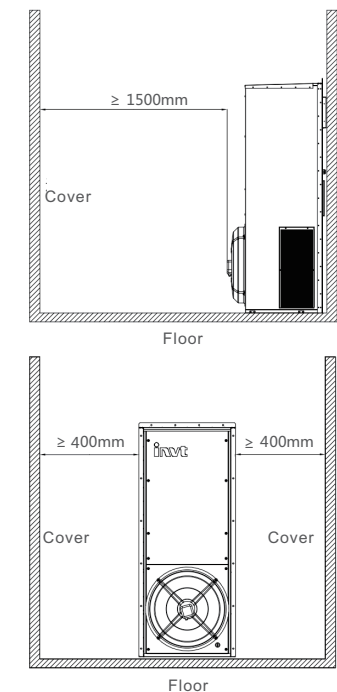
Model: VCE010UFCE121

10kW(@ indoor 27°C/50%, outdoor 35°C);
220V±15%, 50/60Hz, 1phase;
Floor-standing or Wall-mounted;
Top front air supply; Air volume: 3000m³/h;
Application Environment: -40°C ~ +50°C;

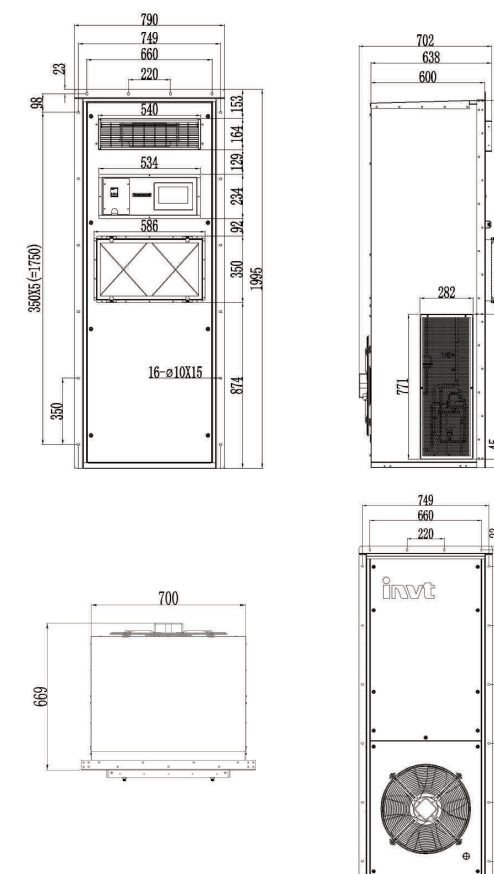
• Airflow diagram



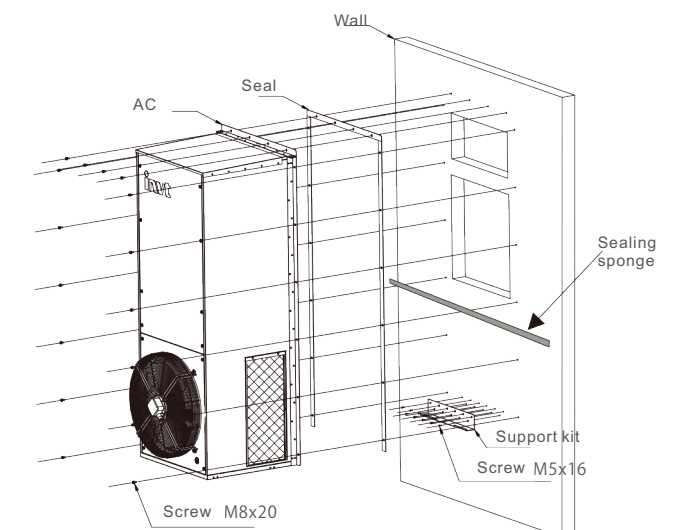
• Maintenance space



• Dimension



• Installation diagram



• Parameters

Type	Model	VCE010UFCE121
Configuration	Total cooling capacity (kW)	10
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP55
	Ton (USA)	2.84
	Sensible Heat Ratio (W/W)	0.88
	EER (W/W)	2.21
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	6
	Current (A)	27.3
Power Supply	Max Input Power (kW)	6.6
	Rated Power (kW)	4.53
	Full Load Current (A)	30
	Rated Current (A)	21.8
	MCA (A)	3.01
	MOP (A)	30
	Power type	220V 1PH~50Hz/60Hz

Type	Model	VCE010UFCE121
Compressor	Type	Inverter Rotor
	Refrigerant	R410a
	COP (W/W)	2.48
	Input Power (kW)	3.83
	Input Current (A)	17.59
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.46
	Input Current (A)	3.01
	Air Volume (m³/h)	3000
Condenser Fan	Type	AC Axial fan
	Input Power (kW)	0.24
	Input Current (A)	1.2
	Air Volume (m³/h)	5500
Dimension & Weight	Width (mm)	700
	Depth (mm)	600
	Height (mm)	1950
	Weight (kg)	175



- **Feature**

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

- **Application**

Energy storage, Solar industry

New Energy & Power industry

Model: VCE012UFCE121

12.5kW(@ indoor 27°C/50%, outdoor 35°C);

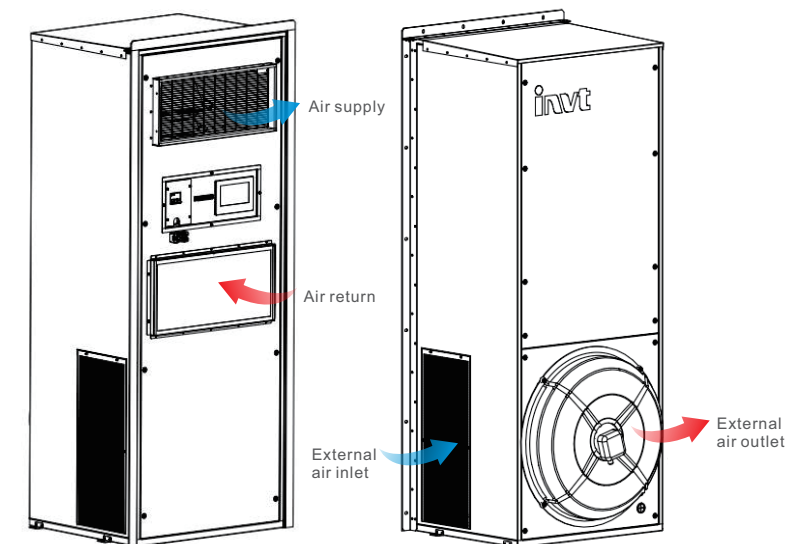
380V±15%, 50/60Hz, 3phase;

Floor-standing or Wall-mounted;

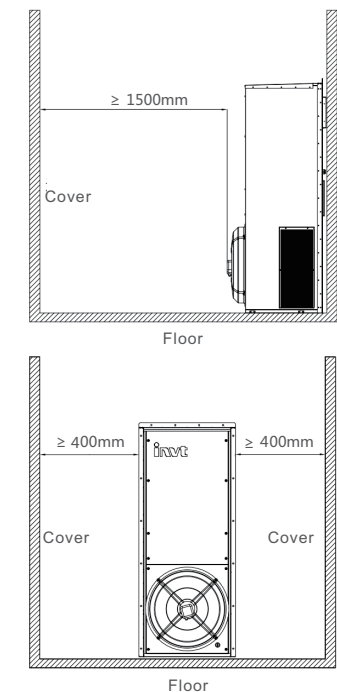
Top front air supply; Air volume: 3200m³/h;

Application Environment: -40°C ~ +50°C;

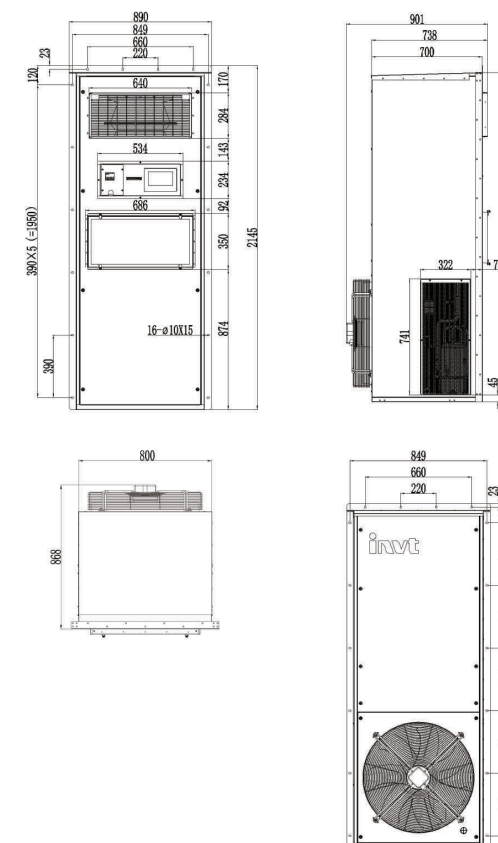
- Airflow diagram



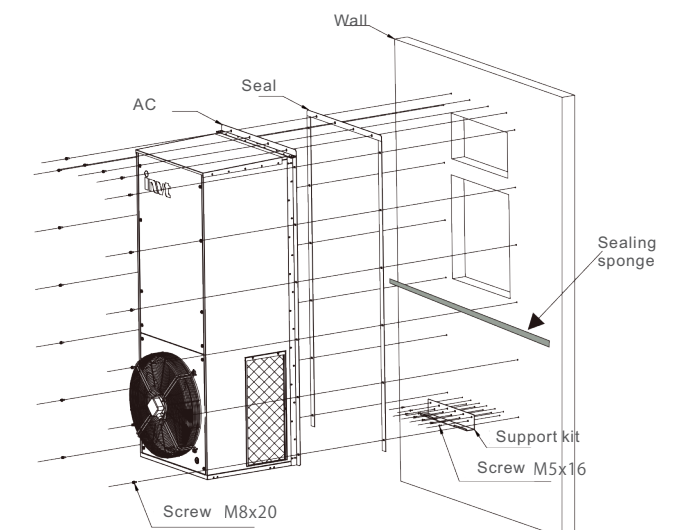
- Maintenance space



- Dimension



- Installation diagram



• Parameters

Type	Model	VCE012UFCE121
Configuration	Total cooling capacity (kW)	12.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP55
	Ton (USA)	3.55
	Sensible Heat Ratio (W/W)	0.87
	EER (W/W)	3.01
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	6
	Current (A)	13.6
Power Supply	Max Input Power (kW)	10
	Rated Power (kW)	4.11
	Full Load Current (A)	22
	Rated Current (A)	17.61
	MCA (A)	0.81
	MOP (A)	22
	Power type	380V 3PH~50Hz/60Hz

Type	Model	VCE012UFCE121
Compressor	Type	Inverter Rotor
	Refrigerant	R410a
	COP (W/W)	4.17
	Input Power (kW)	3.21
	Input Current (A)	14.1
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.35
	Input Current (A)	0.81
	Air Volume (m³/h)	3200
Condenser Fan	Type	AC Axial fan
	Input Power (kW)	0.58
	Input Current (A)	2.7
	Air Volume (m³/h)	7000
Dimension & Weight	Width (mm)	800
	Depth (mm)	700
	Height (mm)	2100
	Weight (kg)	210

15.5kW (Outdoor type)



• Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

• Application

Energy storage, Solar industry
New Energy & Power industry

Model: VCE015UFDE121

15.5kW(@ indoor 27°C/50%, outdoor 35°C);

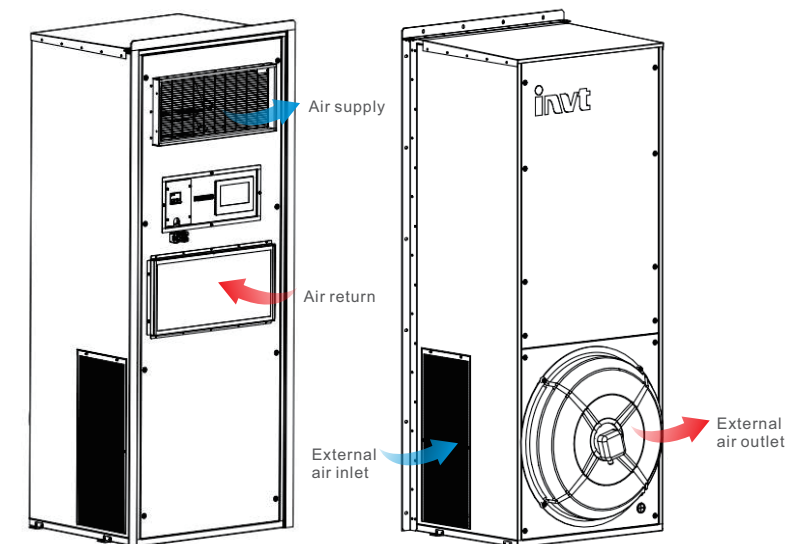
380V±15%, 50/60Hz, 3phase;

Floor-standing or Wall-mounted;

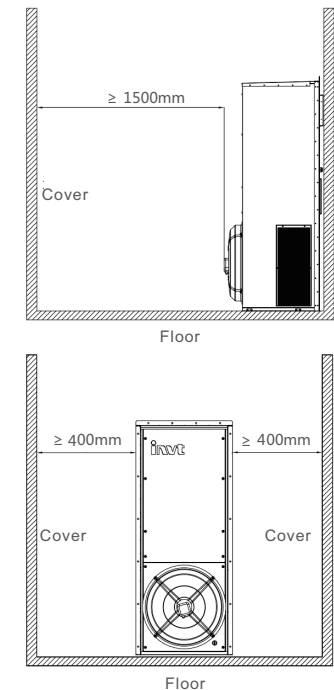
Top front air supply; Air volume: 5000m³/h;

Application Environment: -40°C ~ +50°C;

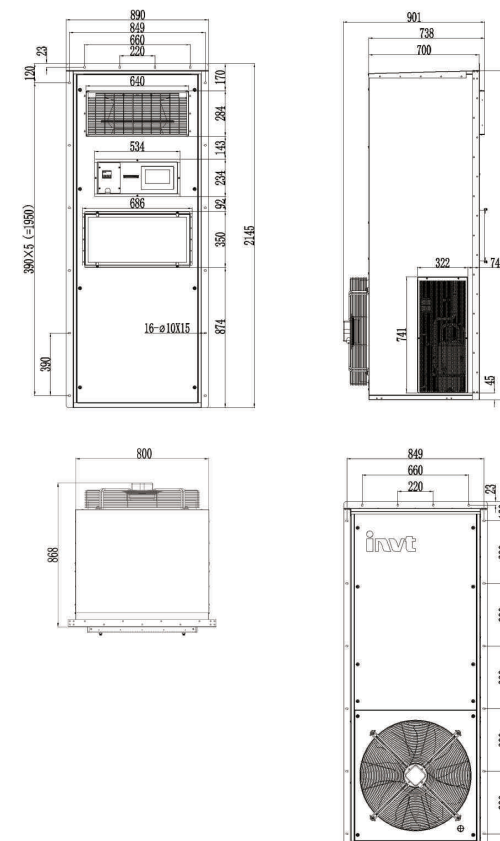
• Airflow diagram



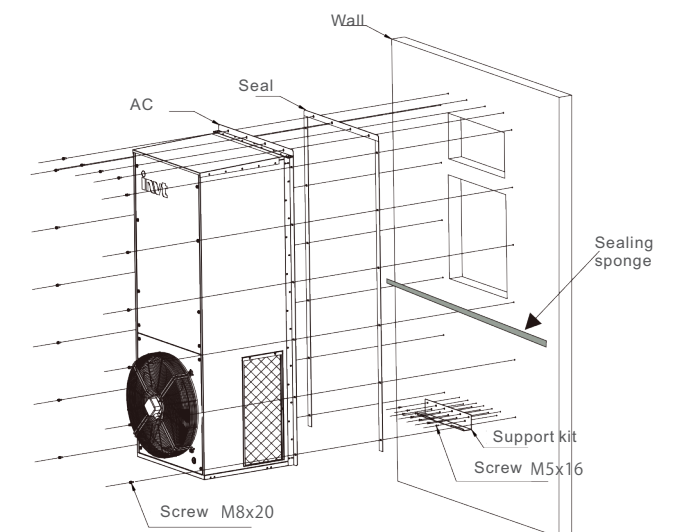
• Maintenance space



• Dimension



• Installation diagram



• Parameters

Type	Model	VCE015UFDE121
Configuration	Total cooling capacity (kW)	15.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP55
	Ton (USA)	4.41
	Sensible Heat Ratio (W/W)	0.88
	EER (W/W)	2.74
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	6
	Current (A)	13.6
Power Supply	Max Input Power (kW)	8
	Rated Power (kW)	5.66
	Full Load Current (A)	14
	Rated Current (A)	13.51
	MCA (A)	1.71
	MOP (A)	14
	Power type	380V 3PH~50Hz/60Hz

Type	Model	VCE015UFDE121
Compressor	Type	Inverter Rotor
	Refrigerant	R410a
	COP (W/W)	3.72
	Input Power (kW)	4.3
	Input Current (A)	9.1
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	0.78
	Input Current (A)	1.71
	Air Volume (m³/h)	5000
Condenser Fan	Type	AC Axial fan
	Input Power (kW)	0.58
	Input Current (A)	2.7
	Air Volume (m³/h)	7000
Dimension & Weight	Width (mm)	800
	Depth (mm)	700
	Height (mm)	2100
	Weight (kg)	218

20.5kW (Outdoor type)



• Feature

- All-in-One design, easy installation
- Inverter compressor, EEV, EC fan
- PTC heater, flexible dehumidification function
- 7 inch intelligent touch screen
- RS485, SNMP(Optional)
- Networking(Group control) via CAN comm.
- Multi-function alarm output signal, multiple protection functions

• Application

Energy storage, Solar industry
New Energy & Power industry

Model: VCE020UFDE121

20.5kW(@ indoor 27°C/50%, outdoor 35°C);

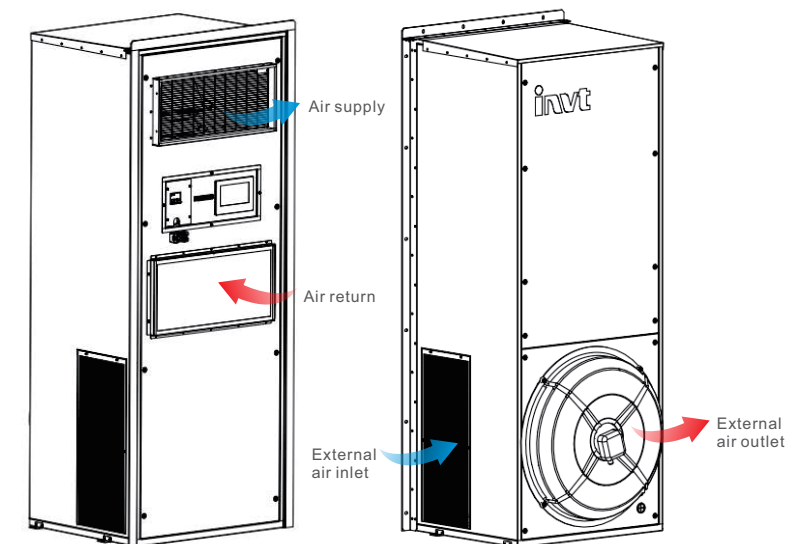
380V±15%, 50/60Hz, 3phase;

Floor-standing or Wall-mounted;

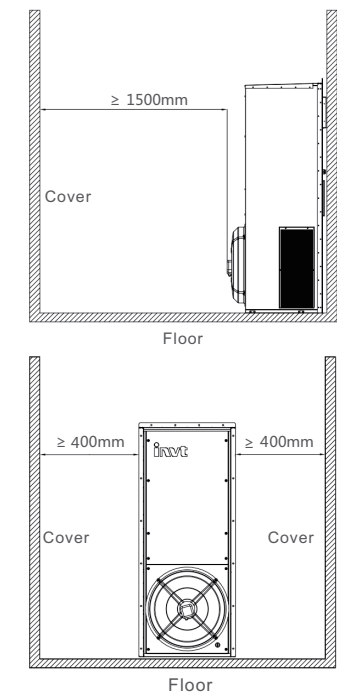
Top front air supply; Air volume: 6000m³/h;

Application Environment: -40°C ~ +50°C;

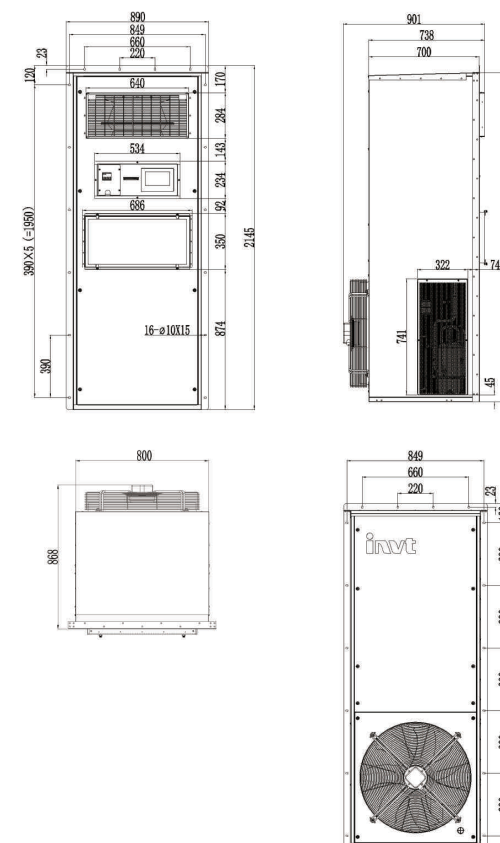
• Airflow diagram



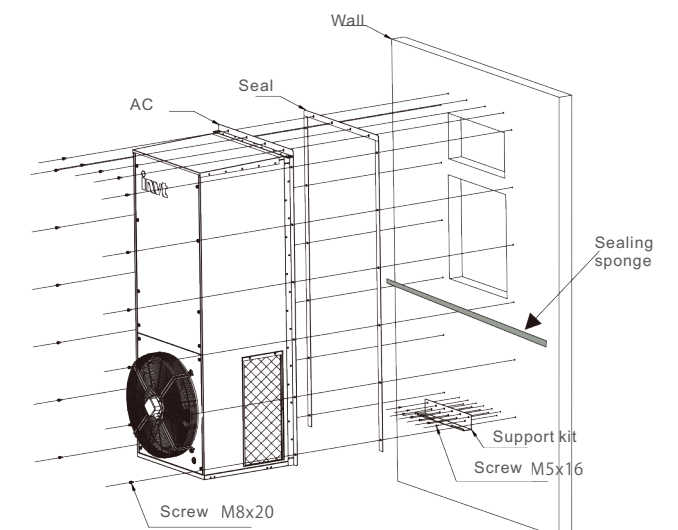
• Maintenance space



• Dimension



• Installation diagram



• Parameters

Type	Model	VCE020UFDE121
Configuration	Total cooling capacity (kW)	20.5
	Cooling way	Refrigeration / Constant temperature
	IP Grade	IP55
	Ton (USA)	5.83
	Sensible Heat Ratio (W/W)	0.86
	EER (W/W)	2.28
	Application	-40°C~+50°C
	Installation	Floor / Wall-mounted
Heater	Heating Capacity (kW)	9
	Current (A)	13.6
Power Supply	Max Input Power (kW)	10
	Rated Power (kW)	8.99
	Full Load Current (A)	18
	Rated Current (A)	16.79
	MCA (A)	2.33
	MOP (A)	18
	Power type	380V 3PH~50Hz/60Hz

Type	Model	VCE020UFDE121
Compressor	Type	Inverter Rotor
	Refrigerant	R410a
	COP (W/W)	2.91
	Input Power (kW)	7.16
	Input Current (A)	11.76
Evaporator Fan	Type	EC Centrifugal fan
	Input Power (kW)	1.25
	Input Current (A)	2.33
	Air Volume (m³/h)	6000
Condenser Fan	Type	AC Axial fan
	Input Power (kW)	0.58
	Input Current (A)	2.7
	Air Volume (m³/h)	7000
Dimension & Weight	Width (mm)	800
	Depth (mm)	700
	Height (mm)	2100
	Weight (kg)	238