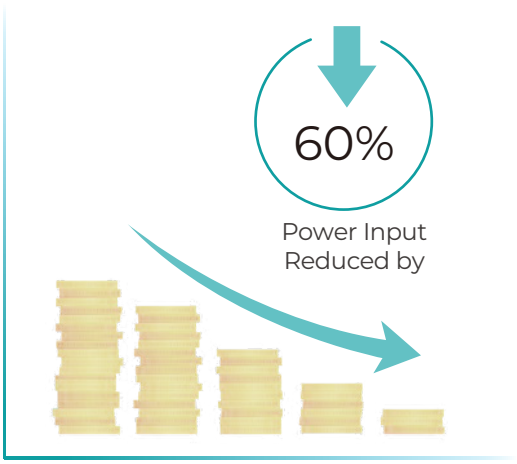
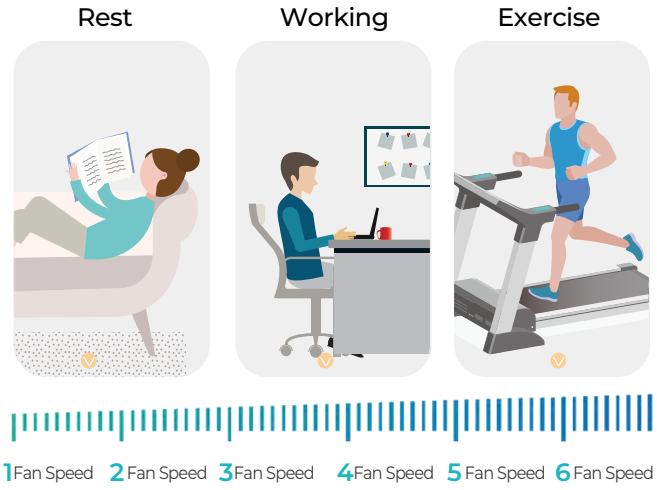
HIGH-EFFICIENCY DC FAN MOTOR

Equipped with a DC fan motor, the unit significantly reduces the power consumption by 60% compared to conventional AC products, ensuring low-cost operation.



6 FAN SPEED

6 indoor fan speeds are available to meet the needs of different indoor conditions.



OPTIMIZED NOISE CONTROL

The low-noise inverter fan motor, anti-vibration insulation on the expansion tube and EEV ensure quieter operation. In addition, Aerostar's special intelligent noise reduction technology effectively reduces operating noise. When operating in high airflow mode, the maximum noise level is reduced by 5 dB(A)* compared to the previous generation.

What's more, sleep and quiet modes are also available for users to enjoy the quiet.

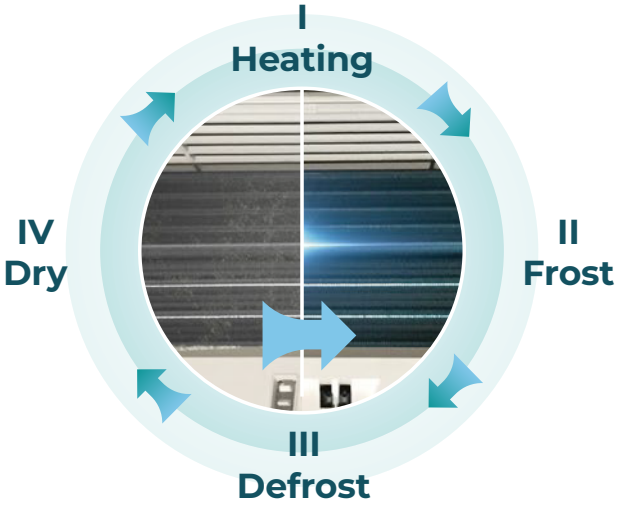
* Reduced noise performance, AER-CS45 unit is used as an example



SELF-CLEANING OF INDOOR UNITS

The indoor units feature an intelligent self-cleaning function that efficiently clears the heat exchangers without manual intervention, saving your valuable time and cost.

4 processes for deep cleaning





Wall Mounted Type

Model				AER-CS 17WT1	AER-CS 22WT1	AER-CS 28WT1	AER-CS 36WT1	AER-CS 45WT1	AER-CS 56WT1	AER-CS 71WT1	AER-CS 84WT1
Power Supply				AC 1Φ, 220-240V/50Hz; 220V/60Hz							
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.4
	Heating		kW	2.0	2.5	3.3	4.0	5.0	6.3	8.0	8.4
Споживана потужність	Cooling		W	20	20	20	30	20	30	50	80
	Heating		W	20	20	20	30	30	30	70	80
Power Input			dB(A)	33/32/32/ 30/30/28	36/35/33/ 32/30/28	36/35/33/ 32/30/28	38/35/33/ 32/30/28	38/37/36/ 32/31/29	40/38/36/ 35/33/31	45/42/41/ 38/35/31	50/48/45/ 41/36/33
Air Flow Rate			m^3/min	8.7/8.3/ 8.2/7.5/ 7.2/7.0	9.8/9.2/ 8.7/8.2/ 7.5/7.0	9.8/9.2/ 8.7/8.2/ 7.5/7.0	10.3/9.2/ 8.7/8.2/ 7.5/7.0	11.5/11.0/ 10.3/9.0/ 8.7/8.0	16.2/15.0/ 14.2/13.3/ 12.2/11.5	20.0/18.0/ 17.0/15.0/ 13.3/11.7	23.3/22.0/ 20.0/17.0/ 14.2/12.2
Panel Colour			—	White							
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)							
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas		mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ15.88	Φ15.88	Φ15.88
			inch	3/8	3/8	3/8	3/8	1/2	5/8	5/8	5/8
	Condensate Drain		мм	O.D.18							
Weight	Net Weight		kg	9.0	9.0	9.0	9.0	13.0	14.5	14.5	14.5
	Gross Weight		kg	13.4	13.4	13.4	13.4	17.8	19.8	19.8	19.8
Dimensions	External	H	mm	270	270	270	270	315	315	315	315
		W	mm	845	845	845	845	960	1120	1120	1120
		D	mm	203	203	203	203	230	230	230	230
	Packaging	H	mm	375	375	375	375	430	430	430	430
		W	mm	943	943	943	943	1058	1223	1223	1223
		D	mm	310	310	310	310	328	328	328	328

Notes:

1. The rated capacity is based on the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB, 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height diference: 0m.
Heating conditions: indoor air inlet temperature: 20□ DB, outdoor air inlet temperature: 7°C DB, 6°C WB, pipe length: 7.5m, pipe height diference: 0m.

2. The above noise values are measured in an anechoic chamber so that reflected sound should be taken into consideration during actual operation.
The above noise values are measured under the fan mode operation, and measured at a point 1m in front of the unit and 0.8m below the unit.

SLEEK SMOOTH DESIGN

Shiny white cover panel of the unit has an streamlined elegant aesthetic. The bolts and nuts used to secure the unit onto wall or ceiling are designed to be concealed in the unit for a sleek room interior look.



FLEXIBLE INSTALLATION

The unit can be installed to be standing on floors or hanging on ceilings.

Whereby interior walls maximized to display items, can hang the unit on the ceiling.



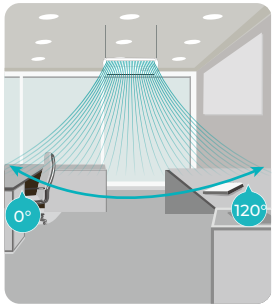
Hanging on the wall Standing on the floor

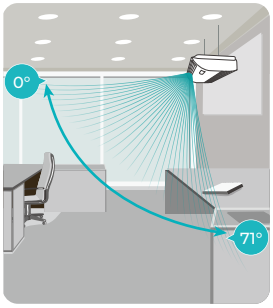
WIDE AIR SUPPLY

Louvers are consist of horizontal and vertical flaps to cover larger coverage area to the edges of any rooms.

Wider opening angle from up to 120°for vertical louvers and up to 71° for horizontal louvers supplies air further and lower down to floor.



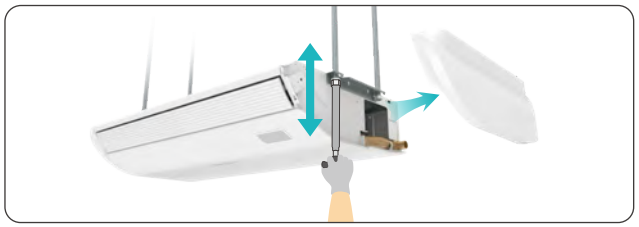


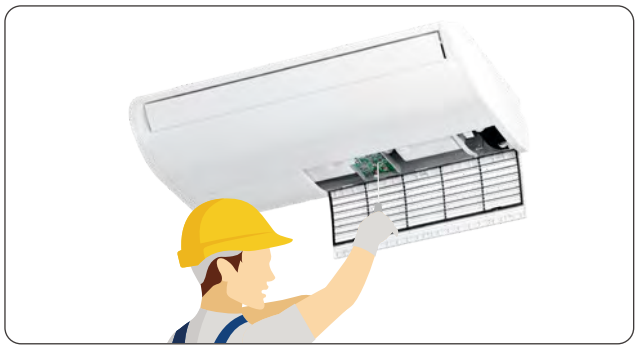


CONVENIENT INSTALLATION AND MAINTENANCE

Adjust the ceiling or wall mounting height by just opening the side panels without the need to access the internal parts.

Service manholes are unnecessary due to the strategic repositioning of piping connections and electrical box behind the air return panel.







Ceiling & Floor Type

Model			AER-CS 50 CF	AER-CS 56 CF	AER-CS 63 CF	AER-CS 71 CF	AER-CS 84 CF	AER-CS 90 CF	AER-CS 112 CF	AER-CS 142 CF
Power Supply			AC 1Φ, 220-240V/50Hz; 220V/60Hz							
Capacity	Cooling	kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
	Heating	kW	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3
Power Input	Cooling	W	40	40	70	70	70	80	130	160
	Heating	W	40	40	70	70	70	80	130	160
Sound Preassure	Celling	dB(A)	39/35/30	39/35/30/	45/41/37	45/41/37	43/39/34	45/40/36	51/46/40	50/46/42
	Floor	dB(A)	43/38/35	43/38/35/	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Airflow Rate		m^3/min	13.0/11.0/ 9.0	13.0/11.0/ 9.0	16.1/14.0/ 11.3	16.1/14.0/ 11.3	18.2/15.2/ 12.2	19.4/16.3/ 13.3	24.8/20.5/ 16.3	33.0/28.0/ 23.0
Speed-up Setting HH1		m^3/min	14.2	14.2	17.8	17.8	19.8	21.2	27.0	36.0
Speed-up Setting HH2		m^3/min	16.0	16.0	20.0	20.0	22.3	23.5	29.2	37.4
Panel Colour		—	White							
Piping	Connection Type	—	Flare-nut Connection (with Flare Nuts)							
	Liquid	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	I.D.18							
Weight	Net Weight	kg	31	31	32	32	39	40	41	47
	Gross Weight	kg	38	38	39	39	46	47	48	56
Dimensions	External H	mm	230	230	230	230	230	230	230	230
	External W	mm	990	990	990	990	1285	1285	1285	1580
	External D	mm	680	680	680	680	680	680	680	680
	Packaging H	mm	340	340	340	340	340	340	340	340
	Packaging W	mm	1110	1110	1110	1110	1400	1400	1400	1690
	Packaging D	mm	830	830	830	830	830	830	830	830

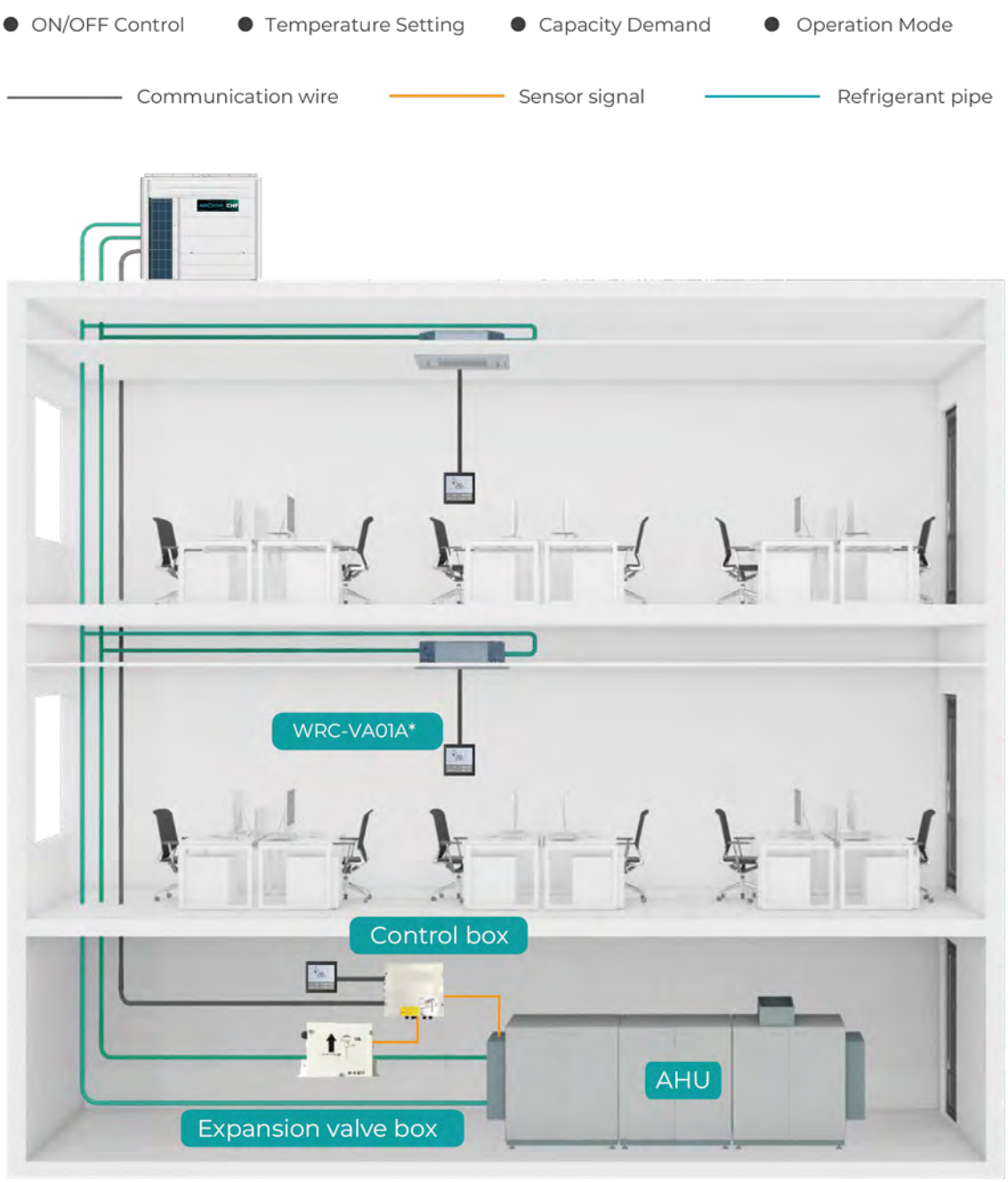
Notes:

1. The rated capacity is based on the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB, 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height diference: 0m.
Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB, 6°C WB, pipe length: 7.5m, pipe height diference: 0m.

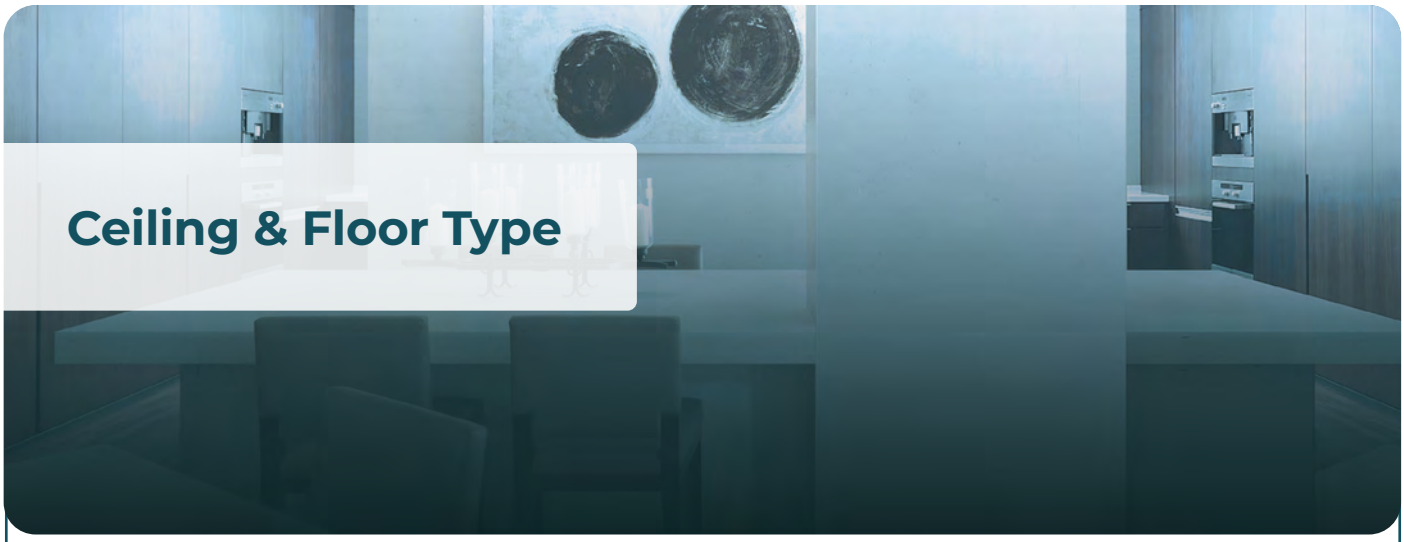
2. The sound pressure level is based on the following condations:
1.0m beneath the unit, 1.0m from Discharge Grille.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

The Aerostar AHU-kit integrates external heat exchangers of Air-handing units (AHU) into a Aerostar VRF system to provide more flexible air conditioning solutions.

MAIN FUNCTION



**The wired controllerWRC-VA01A is standard.*



Ceiling & Floor Type

Capacity Control Mode	Set Temperature by Remote Controller	Set ODU Capacity Range
Inlet Air (room air) Temperature Control	Cooling: 16~32°C Heating: 16~32°C	—
Outlet Air Temperature Control		
Duty Signal Control (0~10V or 0~5V or 4-20mA)	—	15%~100%

AHU Connection KIT			ACK-2BEJ	ACK-4BEJ	ACK-6BEJ	ACK-10BEJ		ACK-20BEJ				ACK-30BEJ				
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz													
Capacity (H/M/L)	Cooling	kW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0	85.0
		kW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0	58.0	65.0	71.0	76.0	82.0
		kW	4.0	7.1	11.2	16.0	20.0	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0
	Heating	kW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0	95.0
		kW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0	66.0	75.0	79.0	86.0	92.0
		kW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0
Heat Exchanger Volume	Min	dm³	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47	9.04	9.50	10.39	11.39	12.36
	Max	dm³	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8.00	8.92	9.97	11.13	12.34	12.89	13.86	14.73
Weight	Net Weight	kg	7.1		7.1			7.2					9.2				
	Gross Weight	kg	11.7		11.8			11.9					15.4				
Package Dimension	(HxWxD)	mm	350x510x450										460x510x450				
Control Box	Model		ACK-BEJ/1														
	Outer Dimension(HxWxD)		349x419x112														
Expansion Valve Box	Model		ACK-2 BEJ/2	ACK-4 BEJ/2	ACK-6 BEJ/2	ACK-10 BEJ/2		ACK-20 BEJ/2					ACK-20BEJ/2 (2 sets)				
	Outer Dimension(H×W×D)		166x437x61										166x437x61 (2 sets)				

Operation conditions		Cooling	Heating
Indoor air inlet temperature	DB	27.0°C	20.0°C
	WB	19.0°C	—
Outdoor air inlet temperature	DB	35.0°C	7.0°C
	WB	—	6.0°C

AEROSTAR

CONTROL SYSTEM

- Individual Control
- Centralized Control
- Intelligent Control



Model	Wired Controller WRC-VA01A	Wired Controller WRC-VG01	Wired Controller WRC-M01H	Wireless Controller RC-LH8QE
Picture				
Max. connectable indoor units	16	16	16	—
Power supply	15V	15V	15V	3V
Dimension(mm)	120x120	120x120	120x70	180x48x22.15
Cool/Heat/Fan/Auto/Dry	●	●	●	●
Auto dehumidification (humidity sensor)	●	●	●	×
Fan speed	●	●	●	●
Louver setting	●	●	●	●
Temperature setting	●	●	●	●
Operation monitoring	●	●	●	×
Timer	●	●	●	●
7-day timer	×	●	×	×
Holiday setting	×	●	×	×
Main-sub connection	●	×	×	×
Main-sub control	×	●	×	×
Change indoor address	●	●	×	×
Check function	●	●	●	×
Option setting	●	●	●	×
Air filter cleaning reminding	●	●	●	×
Error code display	●	●	●	×
Auto test run	●	●	●	●
Indoor/outdoor PCB checking	●	●	●	×
Self diagnostic function	●	●	●	
Back light	●	●	●	●
Built-in temperature sensor	●	●	×	×
Wireless control available	×	●	×	—
Individual louver control	●	●	×	●
Breeze mode	●	●	×	×
Motion sensor	●	●	×	×
Health(Airpure)	●	●	×	●
High-temp sterilization	×	●	×	×
Hi-Motion	×	●	×	×
ECO	●	●	×	●
Quiet (Indoor unit)	●	●	●	●
Sleep(Indoor unit)	●	●	×	●
Window interlock	●	●	×	×
Key card	●	●	×	×
3D-air flow	●	●	×	●
Child lock	×	●	×	×
Self cleaning	●	●	×	●
Auto changeover	×	●	×	×
Dynamic ESP	×	●	×	×
Outlet air temp limit	×	●	×	×

Remarks: Available: ● Unavailable: ×

	Type	Wired Controller			Wireless Controller
	Model	WRC-VG01	WRC-VA01A	WRC-M01H	RC-LH8QE
	Picture				
Indoor Unit	4-Way Cassette	○	○	○	○
	Mini 4-Way Cassette	○	○	○	○
	1-Way Cassette	○	○	×	○
	2-Way Cassette	○	○	×	○
	Ceiling Ducted Type (AC/DC)	○	○	○	○
	Ceiling Ducted Type (High/Low)	○	○	○	○
	Console	○	○	○	●
	Wall Mounted Type	○	○	○	●
	Ceiling & Floor Type	○	○	○	●
	AHU Kit	○	●	×	×

	Type	Receiver Kit				Centralized Controller	ON/OFF
	Model	RK-V02H	RK-Z01H	RK-T03H	RK-X01H	CS-RA10D	CS-J01H
	Picture						
Indoor Unit	4-Way Cassette	×	×	○	×	○	○
	Mini 4-Way Cassette	×	○	×	×	○	○
	1-Way Cassette	×	×	×	○	○	○
	2-Way Cassette	○	×	×	×	○	○
	Ceiling Ducted Type (AC/DC)	○	×	×	×	○	○
	Ceiling Ducted Type (High/Low)	○	×	×	×	○	○
	Console	○	×	×	×	○	○
	Wall Mounted Type	○	×	×	×	○	○
	Ceiling & Floor Type	○	×	×	×	○	○

Remarks: Standart: ● Optional: ○ Incompatible: ×

WRC-VG01



Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour/Weekly schedule/Holiday setting
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/ Self diagnostic function
Louver	Louver setting/Individual louver control/ 3D-air flow
Special function	Breeze mode/Motion sensor/Health/ Hi-Motion/ECO/Quiet/Sleep
Fan speed	6
Temperature setting	0.5˚C
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Built-in temperature sensor	•
Built-in signal receiver	•

Features

- Size: 120mm×120mm
- Max. connectable indoor units: 16
- Touch button
- Language
  Supports 10 languages: English, French, German, Italian, Spanish, Dutch, Portuguese, Polish, Turkish, Arabic

WRC-VG01



Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour/Weekly schedule/Holiday setting
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/ Self diagnostic function
Louver	Louver setting/Individual louver control/ 3D-air flow
Special function	Breeze mode/Motion sensor/Health/ Hi-Motion/ECO/Quiet/Sleep
Fan speed	6
Temperature setting	0.5˚C
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Built-in temperature sensor	•
Built-in signal receiver	•

Features

- Size: 120mm×120mm
- Max. connectable indoor units: 16
- Touch button
- Language
  Supports 10 languages: English, French, German, Italian, Spanish, Dutch, Portuguese, Polish, Turkish, Arabic



DIVERSE DISPLAY COLORS

The colors displayed on the controller are based on the operation mode of indoor units, making it easier for users to get the current information of indoor units at a quick glance.



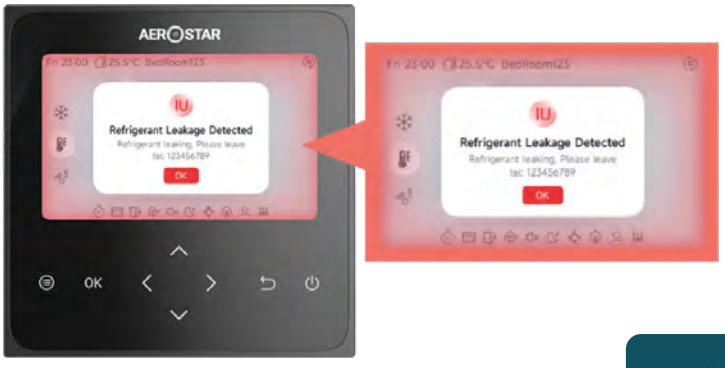
BRAND-NEW AUTO CHANGEOVER

Auto changeover allows the indoor unit to keep indoor temperature within a certain range by automatically switching the unit operation mode. No need for manual adjustments, our units does it all for you to ensure optimal indoor comfort at all times.



REFRIGERANT LEAKAGE ALARM

When the refrigerant leaks, an alarm will pop up and the buzzer will sound to make the operation safe and reliable.



WRC-VA01A



Mode	Охолодження/нагрів/авто/вентилятор/осушення
Timer	72-години
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Налаштування жалюзі/ Індивідуальне керування жалюзі/ 3D-потік повітря
Special function	Breeze mode/Motion sensor/Health/ECO/Quiet/ Sleep/Self-cleaning
Fan speed	6
Temperature setting	0.5˚C
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Built-in temperature sensor	•

Features

- Size: 120mm×120mm
- Max. connectable indoor units: 16
- LCD display
- Touch button

Wireless Controller

RC-LH8QE



Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour timer
Maintenance	Auto test run/ Identification of adjacent receiver
Louver	3D-air flow/ Louver setting
Special function	ECO/Quiet/Sleep/Self-cleaning
Temperature setting	1˚C accuracy/Display the setting temp. or room temp.

Features

- Size: 180mm x 48ммx22.15mm
- LCD display with back light

RECEIVER KIT FOR WIRELESS CONTROL-OPTIONAL (optional)

Auto switching allows the indoor unit to keep the room temperature within a defined range by automatically switching the operating mode.
There is no need for manual adjustments, our units do everything for you to ensure optimal indoor comfort at all times.



Centralized Control

Smart Touch II
CS-RA10D



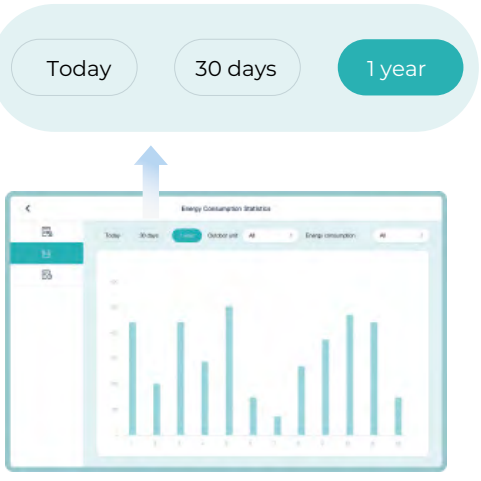
Cool/Heat/Auto/Fan/Dry
Remote control with web access
Support rotation operation setting
Weekly/Holiday timer
Error reminder email
External input/Output function
ECO/Health/Self-cleaning/Quiet mode setting of the outdoor unit

Features

- 10 inch colorful touch screen
- 1280×800 High Resolution
- Size: 170mm×252mm×37mm
- Connected quantity:
  160 indoor units, 64 outdoor units
- 13 different languages:
  English, French, Spanish, German, Italian, Dutch, Polish, Turkish, Arabic, Portuguese, Vietnamese, Thai, Chinese

ENERGY MANAGEMENT

Visualized energy management is available through the Smart Touch II, enabling quick access to electricity consumption data and analysis. Utilizing big data analytics, it also provides energy-saving solutions to help you optimize energy usage efficiently.





ACCESS REMOTELY WITH EASE

Users have the flexibility to control the air-conditioning system using either the local Smart Touch II or remote web access.



FREE CONNECTION

Max. 4 Smart Touch controllers can be used in one system.

One controller can be connected to max. 160 IDUs, 64 ODUs



FUTURE-PROOF

Ensure you stay up to date with both remote OTA updates and local USB updates.



Ideal for:

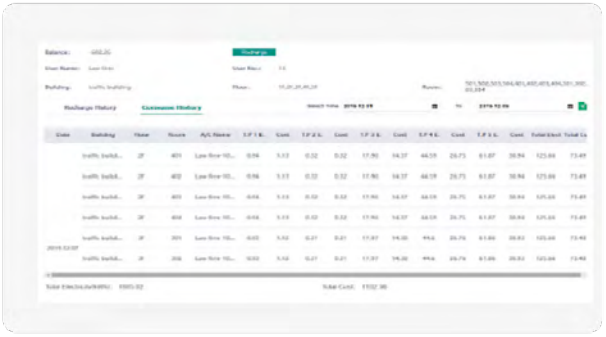
Offices, Schools, Factories, Hospitals, Hotels, Restaurants.



Humanized interaction interface and comfortable user experience.

The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants.
Both segmented tariff and single tariff are available.

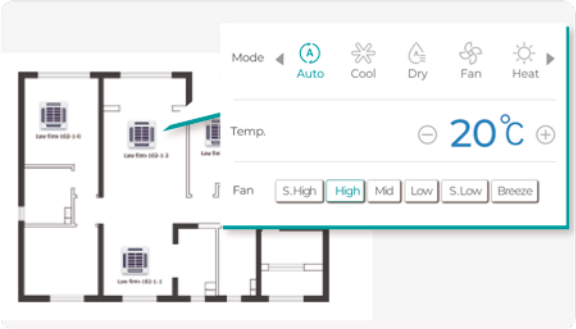


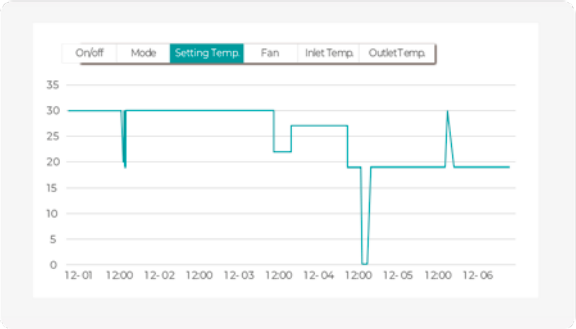


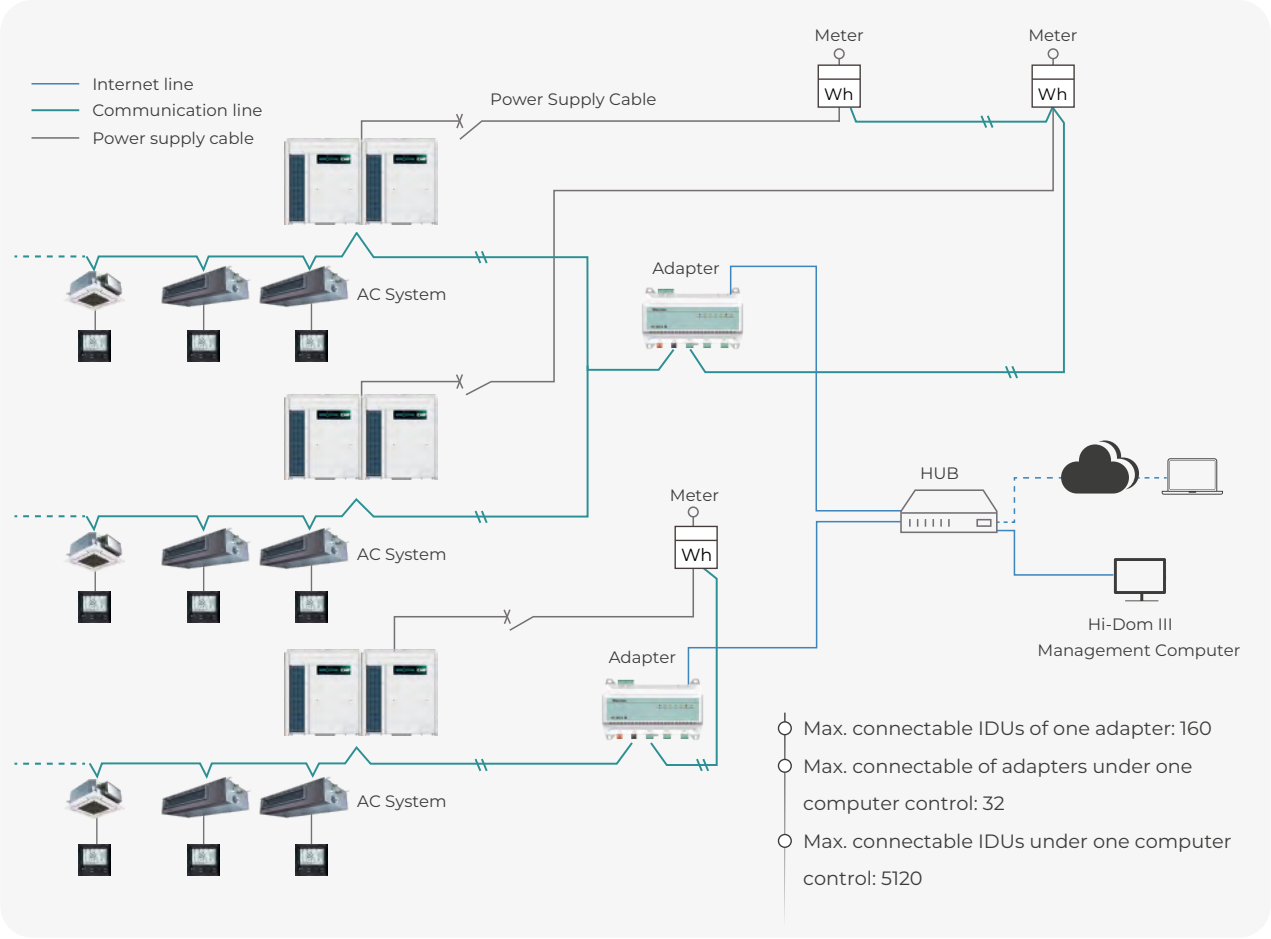
Thanks to the 2D navigation, users can import floor plans and place indoor units in the corresponding rooms, creating a tailored system schematic. Thus all the indoor units can be monitored and controlled intuitively.

Support operation history data record like the below picture.

Also the operation data can be exported to excel format, convenient for customers to read.







Specifications

Model	Power Supply	Dimension (LxWxD)
DSM-H160H2C3YM	DC 12V	180x115.4x64.5mm



INTELLIGENT SERVICE TOOL, IMPROVES YOUR SERVICE

Hi-Checker is a plug and play service tool, with which service engineers can access the system and monitor operation status or data, very convenient for system communication and maintenance. Besides, it features cloud-based management, easy to access operation status remotely.

- Small and Portable Body
- Remote Access
- Black Box Function
- Powerful Charts
- OTA Update

EASY TO UNDERSTAND

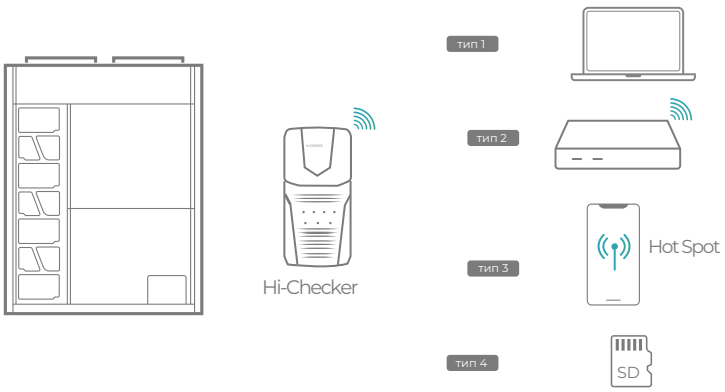
- Compact size which allows high portability and space saving.
- Capable to slot in a 32G memory card for data collection and storage. Also the memory card and card reader are standard with Hi-Checker.
- Multiple choices of power supply types. It can be powered by the standard adapter (DC 5V), computer or power bank.
- Support OTA update, ensuring the software is always up to date.



EASY TO ACCESS

4 Ways to Access the Operation Data

- Conventional connection type. The simplest and reliable way by just connecting the Hi-Checker to your computer directly through USB.
- Internet connection type. Be connected to a stable Wi-Fi signal to achieve operation data and status monitoring anytime and anywhere.
- Hotspot connection type. Be connected to a temporary hotspot signal from the smartphone, allowing the Hi-Checker to remotely monitor the operation data when there is no stable Wi-Fi signal on site.
- SD card storage type. Hi-Checker equipped with SD card can be connected to the air conditioning system all the time, so that all the operation data can be stored in the card for later analysis.



EASY TO UNDERSTAND

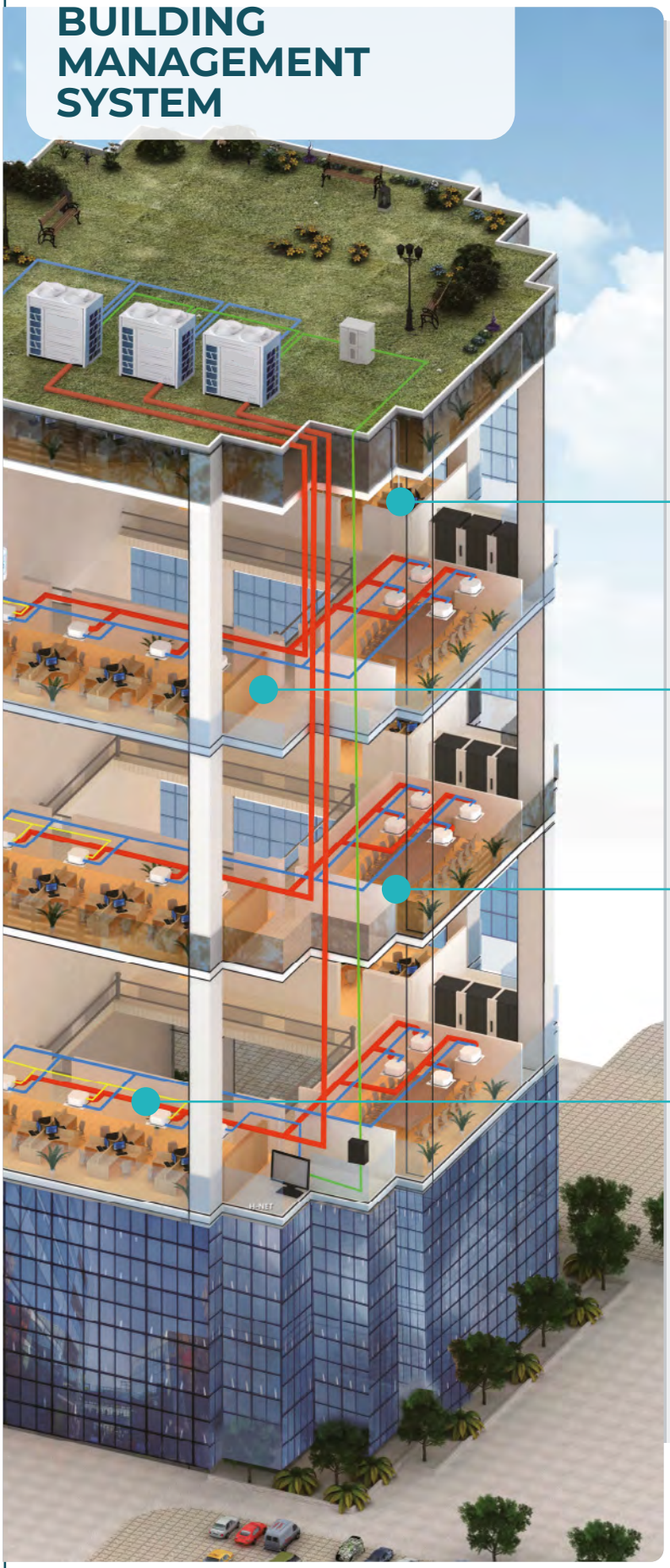
- Powerful and detailed chart analysis on the operation data, allowing users to determine the system condition easily. Together with the smart system diagram, it is interesting and easier for maintenance.
- Users can export the professional report either in .csv or .pdf format, very user-friendly.

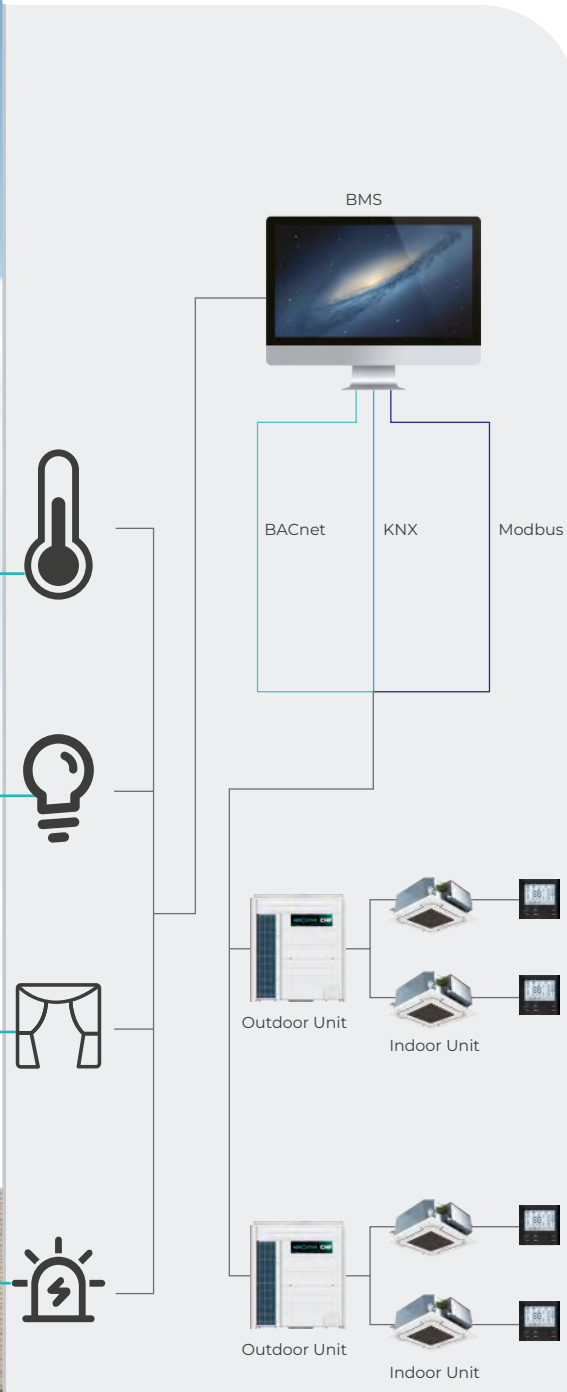


Specifications

Model	Size (LxWxH) mm	Net Weight (g)	Power Suppy	Connectable IDUs
SD-H64H2C2M	138x68x28	130	5V⎓500mA	160

BUILDING MANAGEMENT SYSTEM





Modbus®



Modbus gateway	BMS-H2M4C
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	160
Dimension (H×W×D)	50×170×220 mm

Features

- On-Off setting
- Temperature setting
- Operating mode setting
- Inlet air temperature monitoring
- Airflow setting and monitoring
- All units On-Off control
- Alarm monitoring and code display
- Alarm monitoring and code display Humidity control

Mini Modbus®



MiniModbus gateway	BMS-H2M5C
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	32
Dimension (H×W×D)	27×75×100 mm

Features

- On-Off setting
- Temperature Setting (0.5 °C) adjustment)
- Airflow Setting (Auto/3 or 6 fan speed)
- Humidification control
- Operating Mode Setting
- Inlet Air Temp. Monitoring
- All Units On/Off Control
- Alarm Monitoring and Code Display

BACnet® & KNX®



BACnet & KNX gateway	BMS-H1KB16	BMS-H1KB64
Power Supply	DC, 12~36V / 3W or AC, 24V/0.2A/50-60Hz or DC, 24V (Recommended)	
Max. Number of Connectable Indoor Units	16	64
Dimension (H×W×D)	100x115x100 mm	100x115x100 mm

Features

- Central control of all indoor units
- Indoor unit data monitoring
- Heat/Dry/Fan/Cool/Auto mode
- Control-vane position swing control
- Function prohibition of wired controller

Note: Bacnet® is a registered trademark of American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE).

Modbus® is a registered trademark of Schneider Electric.
KNX® is a registered trademark of Konnex.

AEROSTAR

ACCESSORIES



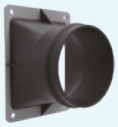
Hi-Motion

Model	Applicable Models	Picture
HM-S01E	All types of indoor units	

Motion Sensor

Model	Applicable Models	Picture
MS-MACN	Mini 4-Way Cassette Type	
HM-01E	4-Way Cassette Type	

Fresh Air Duct Adapter

Model	Applicable Models	Зображення
DA-56CSA	4-Way Cassette Type and Mini 4-Way Cassette Type	

Humidity Sensor

Model	Applicable Models	Picture
HSR-S01E	4-Way Cassette Type, Console, Ceiling Ducted Type	

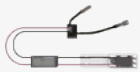
Drain Pump

Model	Applicable Models	Power Supply	Picture		
DPK-133	AER-CS22~71DH/AER-CS22~71DLS	220-240V/50Hz			
DPK-363	AER-CS80~160DH/AER-CS80~160DLS				
DPK-151	All the High/Low Static Pressure Ceiling Ducted Units and All Fresh Air	220-240V/50/60Hz			
DPK-8103	AER-CS224~280DHD	220-240V/50/60Hz	DPK-151-133/363	DPK-151	DPK-8103

3D Air-flow Panel

Model	Applicable Models	Outer Dimensions (H×W×D)	Picture
APD-CBNA	Ceiling ducted type (AC low-height) AER-CS15/22/28/36DLDC	180×740×70 mm	
APD-DBNA	Ceiling ducted type (AC low-height) AER-CS45/50DLC	180×950×70 mm	
APD-EBNA	Ceiling ducted type (AC low-height) AER-CS56/63/71DLC	180×1220×70 mm	

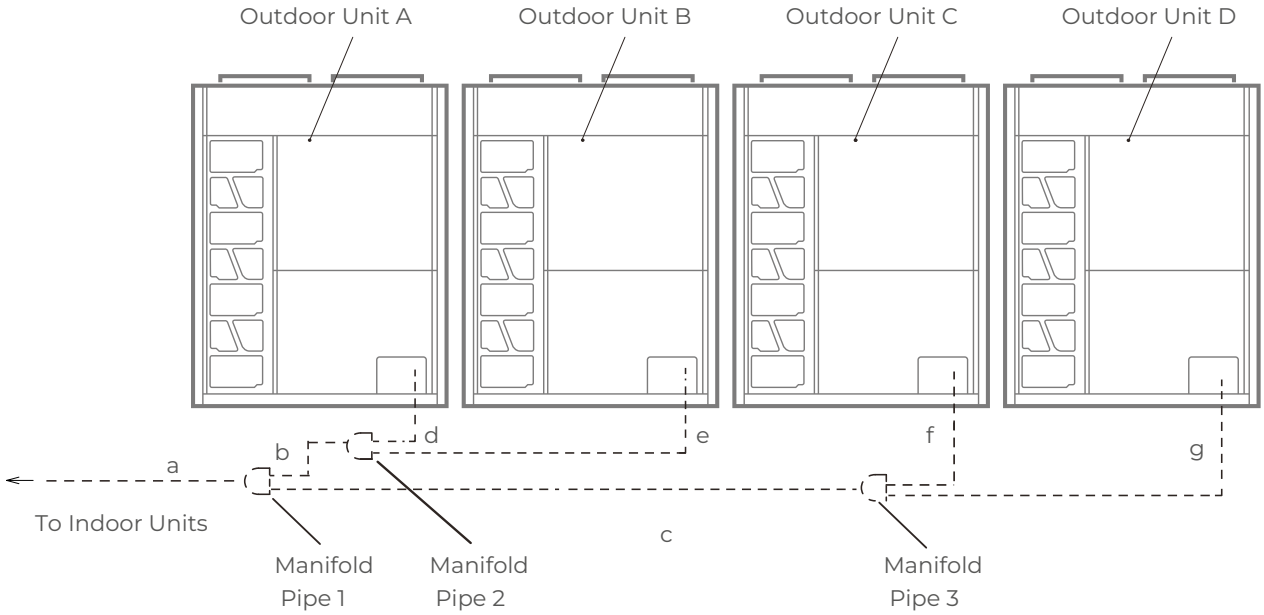
AirPure Kit

Model	Power Supply	Applicable Indoor Units	Picture
APK-ELZA	AC 1Φ, 220V~240V 50/60Hz	4-Way Cassette Type, Mini 4-Way Cassette Type	
APK-ELZB	AC 1Φ, 220V~240V 50/60Hz	Ceiling Ducted, Console	

PIPING CONNECTION KIT

MANIFOLD PIPE (FOR OUTDOOR UNIT)

(Indoor Unit on Left Side)



For CRF Series 2 Pipes System

Outdoor Unit	AER-CS950~1525CROU	AER-CS1600CROU	AER-CS1615~1855CROU	AER-CS1920~2325CROU	AER-CS2400CROU	AER-CS2415~2840CROU	AER-CS2895~3125CROU	AER-CS3200CROU
Manifold Pipe1	M32FO	M462FO	M462FO	M682FO	M682FO	M682FO	M682FO	M682FO
Manifold Pipe2	-	-	M32FO	M32FO	M462FO	M32FO	M462FO	M462FO
Manifold Pipe3	-	-	-	-	-	M32FO	M32FO	M462FO

For CRF Series 3 Pipes System

Outdoor Unit	AER-CS850~1010CROU	AER-CS1060~1525CROU	AER-CS1600CROU	AER-CS1615CROU	AER-CS1680~1855CROU	AER-CS1920~2325CROU	AER-CS2400CROU	AER-CS2415~2840CROU	AER-CS2895~3125CROU	AER-CS3200CROU
Manifold Pipe1	M212FO	M302FO	M462XFO	M462XFO	M462XFO	M682XFO	M682XFO	M682XFO	M682XFO	M682XFO
Manifold Pipe2	-	-	-	M212FO	M302FO	M302FO	M462XFO	M302FO	M462XFO	M462XFO
Manifold Pipe3	-	-	-	-	-	-	-	M302FO	M302FO	M462XFO

For CHF Series System

Outdoor Unit	AER-CS950~1240CHOU	AER-CS1295~1600CHOU	AER-CS1615~1860CHOU	AER-CS1920~2040CHOU	AER-CS2085~2400CHOU	AER-CS2415~2600CHOU	AER-CS2655~3200CHOU
Manifold Pipe1	M32FO	M462FO	M462FO	M682FO	M682FO	M682FO	M682FO
Manifold Pipe2	-	-	M32FO	M32FO	M462FO	M462FO	M462FO
Manifold Pipe3	-	-	-	-	-	M32FO	M462FO

Branch Pipe (For indoor unit)

First Branch Pipe

For CRF Series 2 Pipes System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 54	56 to 66	68 to 112
Branch Pipe	B102FI	B162FI	B242FI	B302FI	B462XFI	B682FI

For CRF Series 3 Pipes System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 36	38 to 54	56 to 66	68 to 112
Branch Pipe	BM282FI	BM452FI	BM562FI	BM692FI	BM902FI	B462FI	B682XFI

For CHF Series

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 44	46 to 66	68 to 112
Branch Pipe	B102FI	B162FI	B242FI	B302FI	B462FI	B682FI

First Branch Pipe~Last Branch Pipe

For CRF Series 2 Pipes System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	B102FI	B102FI	B102FI	B162FI	B162FI	B242FI	B302FI	B302FI	B462FI	B462FI	B682FI

For CRF Series

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 21.99	22 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Low Pressure Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	28.6	31.75	38.1	41.3	44.5	50.8
High/Low Pressure Gas (mm)	12.7	15.88	19.05	22.2	22.2	22.2	25.4	28.6	31.75	38.1	41.3	44.5
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	BM142FI	BM282FI	BM282FI	BM452FI	BM562FI	BM562FI	BM692FI	BM692FI	BM902FI	B462FI	B462FI	B462FI

For CHF Series

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 33.99	34 to 45.99	46 to 58.99	59 to 68.99	Over 69
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	B102FI	B102FI	B102FI	B162FI	B162FI	B242FI	B302FI	B302FI	B462FI	B462FI	B682FI

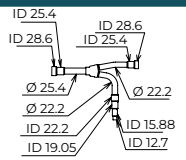
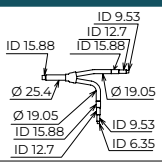
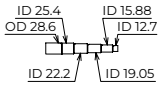
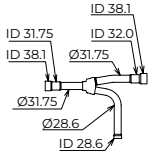
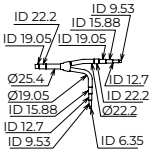
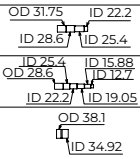
Last Branch Pipe~Indoor Unit

Indoor Unit	Pipe Size (Φmm)		Max. Liquid Pipe Length
	Gas Pipe	Liquid Pipe	
2.2 кВт~4 kW	12.70	6.35*[1]	40
5 кВт~5.6 kW	15.88	6.35*[1]	40
6.3 кВт~16 kW	15.88	9.53	40
22.4 kW	19.05	9.53	40
28 kW	22.20	9.53	40

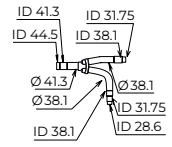
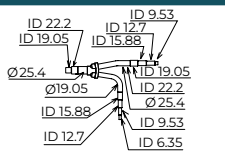
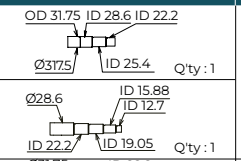
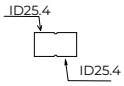
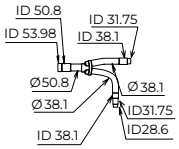
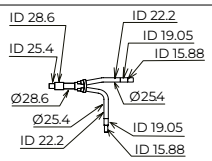
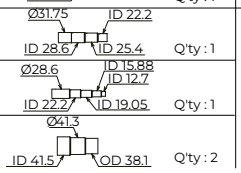
Note: 1. When liquid pipe length of indoor unit (2.2~5.6 kW) is more than 15m, please change the liquid pipe dimension from Φ6.35 into Φ9.53.

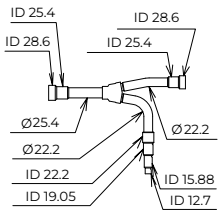
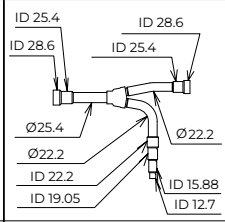
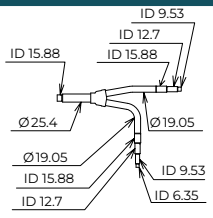
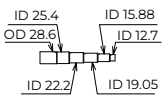
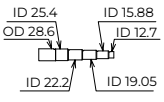
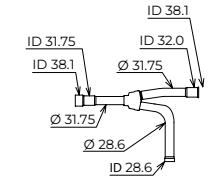
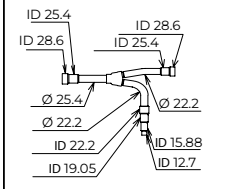
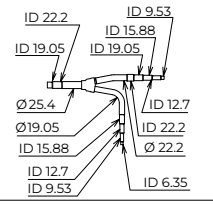
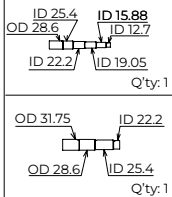
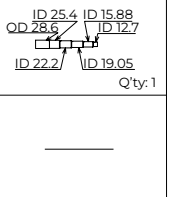
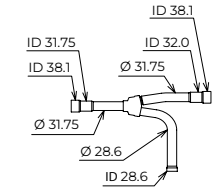
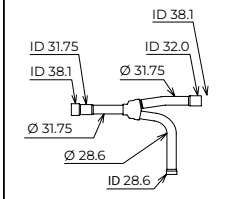
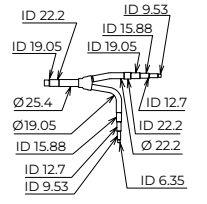
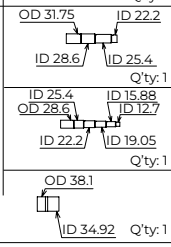
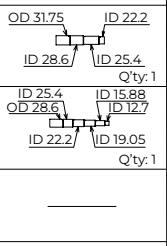
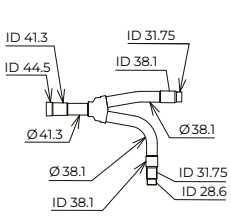
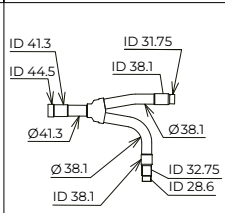
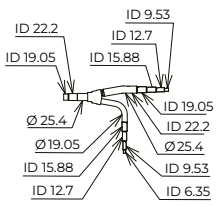
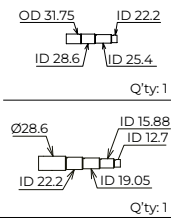
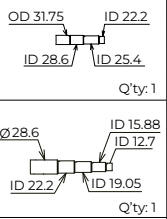
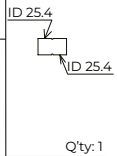
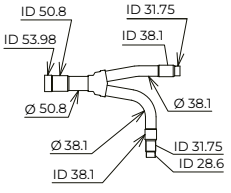
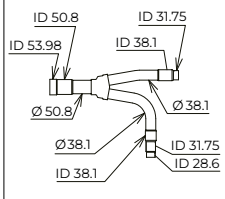
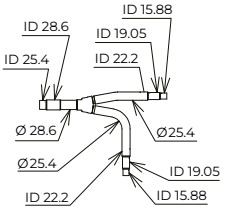
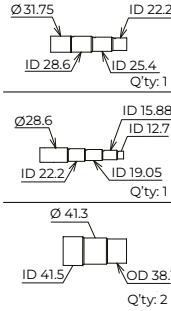
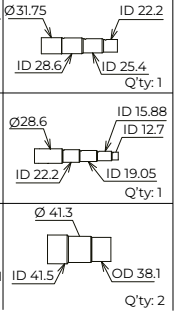
Manifold Pipe Parameter

Unit: mm, ID: Inner Diameter, OD: Outer Diameter.

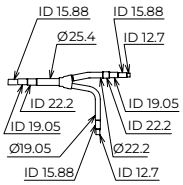
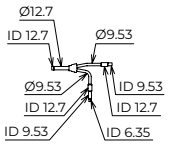
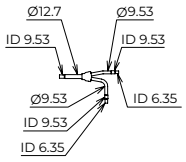
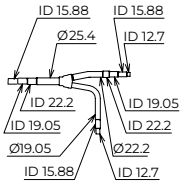
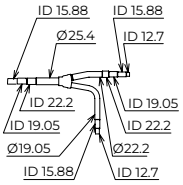
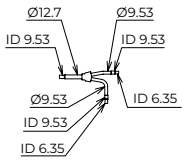
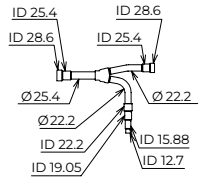
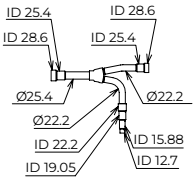
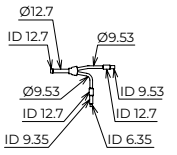
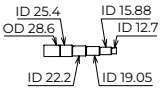
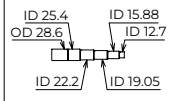
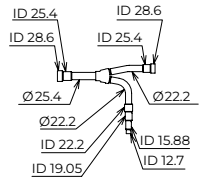
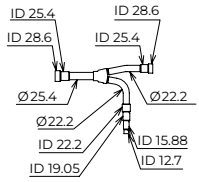
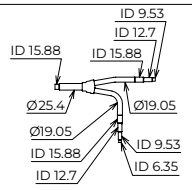
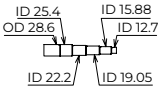
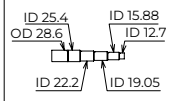
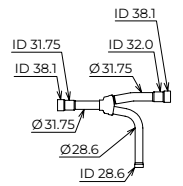
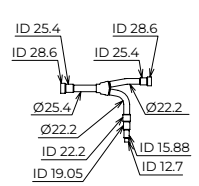
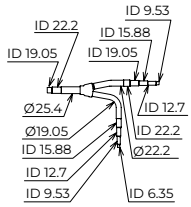
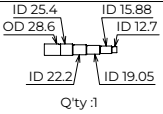
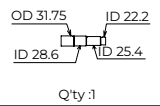
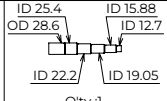
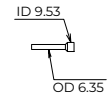
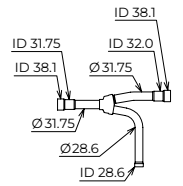
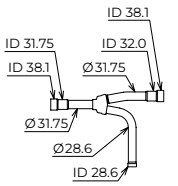
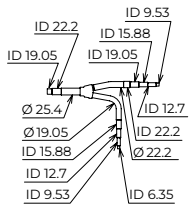
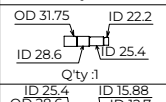
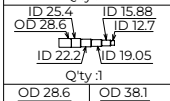
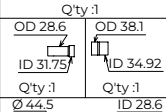
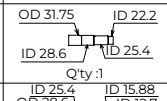
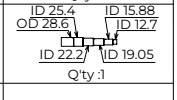
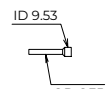
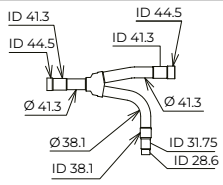
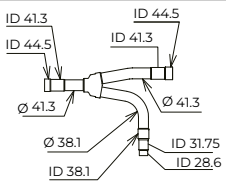
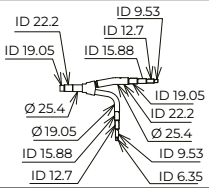
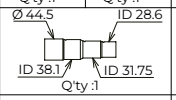
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M32FO M32FOS				———

Manifold Pipe Parameter

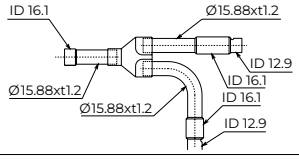
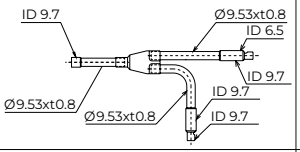
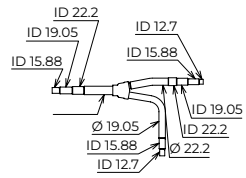
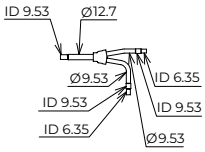
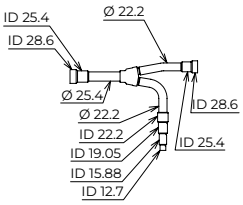
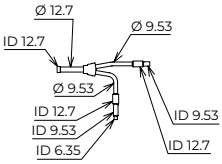
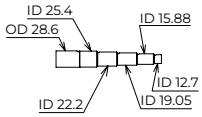
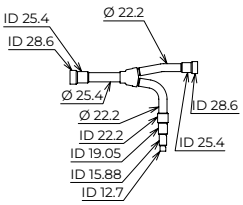
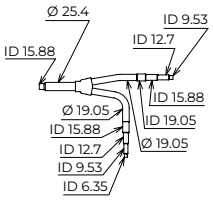
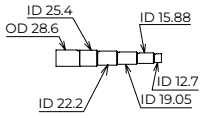
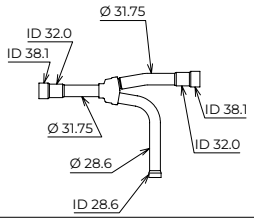
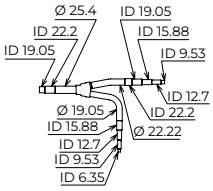
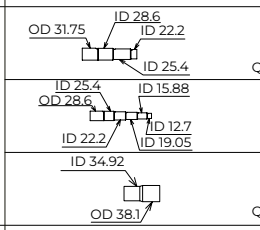
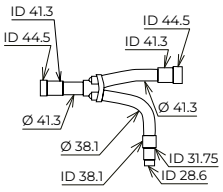
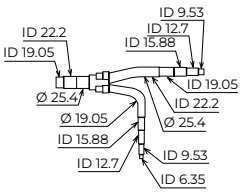
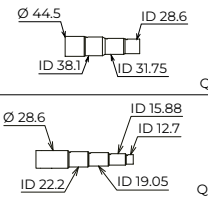
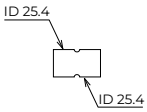
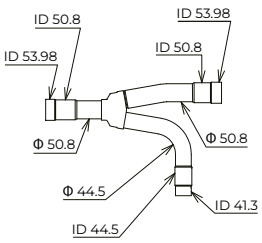
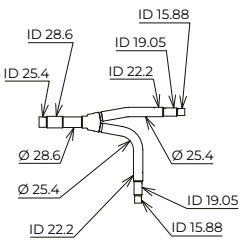
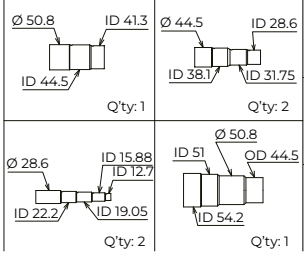
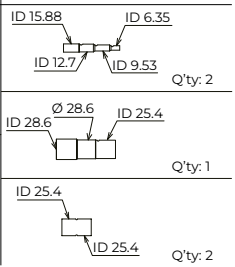
Model	Gas Line	LIquid Line	Reducer for Gas Line	Reducer for Liquid Line
M462FO M462FOS				
M682FO M682FOS				———

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Preassure Gas Line	Reducer for High Preassure Gas Line	Reducer for Liquid Line
M202FO						———
M212FO						———
M302FO						———
M462XFO						
M682XFO						———

Branch Pipe Parameter

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Preassure Gas Line	Reducer for High Preassure Gas Line	Reducer for Liquid Line
BM142FI				——	——	 Q'ty :2
BM282FI				——	——	 Q'ty :2
BM452FI				 Q'ty :1	 Q'ty :2	 Q'ty :1
BM562FI				 Q'ty :1	 Q'ty :2	 Q'ty :1
BM692FI				 Q'ty :1  Q'ty :1	 Q'ty :1 ——	 Q'ty :1
BM902FI				 Q'ty :1  Q'ty :1  Q'ty :1 Q'ty :1	 Q'ty :1  Q'ty :1 ——	 Q'ty :1
B462XFI				 Q'ty :1 Q'ty :2	Q'ty :1 Q'ty :2	Q'ty :1
B682XFI				Q'ty :1 Q'ty :2 Q'ty :2 Q'ty :1	Q'ty :1 Q'ty :2 Q'ty :2 Q'ty :1	Q'ty :2 Q'ty :1 Q'ty :2

Branch Pipe Parameter

Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
B52FI			———	———
B102FI			———	 Q'ty: 1
B162FI			 Q'ty: 1	 Q'ty: 1
B242FI			 Q'ty: 1	 Q'ty: 1
B302FI			 Q'ty: 1	 Q'ty: 1
B462FI			 Q'ty: 1 Q'ty: 2	
B682FI			 Q'ty: 1 Q'ty: 2 Q'ty: 2 Q'ty: 1	 Q'ty: 2 Q'ty: 1 Q'ty: 2

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70% of the range are systems developed by our Research & Design Center for the implementation of complex engineering projects.

WE PROVIDE TECHNICAL SERVICE

After installing the systems, our specialists teach the operation department how to operate the equipment. The service department provides feedback to the client. Service centers in all regions allow you to quickly respond to requests.



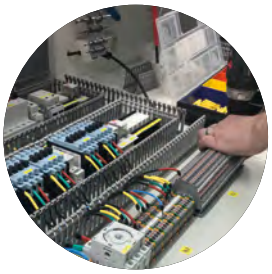
WE CREATE SMART SYSTEMS

The equipment is designed to achieve maximum efficiency from work and reduce energy consumption.



AUTOMATION AND DISPATCHING

For the convenience of managing engineering systems, we suggest using a dispatch system that can combine ventilation, air conditioning, heating, water supply, gas supply, lighting, and elevator control systems and other equipment. The dispatch system provides key advantages of facility management:
– constant centralized control of the operation of engineering systems;
– reducing the influence of the human factor;
- control without the constant presence of an operator and duty personnel



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All systems are aimed at obtaining the greatest results with small resources.
This allows us to continually improve quality without increasing costs.



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