AEROSTAR

MULTI-ZONE SYSTEMS


AEROSTAR

ЗМІСТ

CRF SERIES HEAT RECOVERY

CHF SERIES

8~12HP

14~18HP

20~24HP

26~28HP

30~56HP

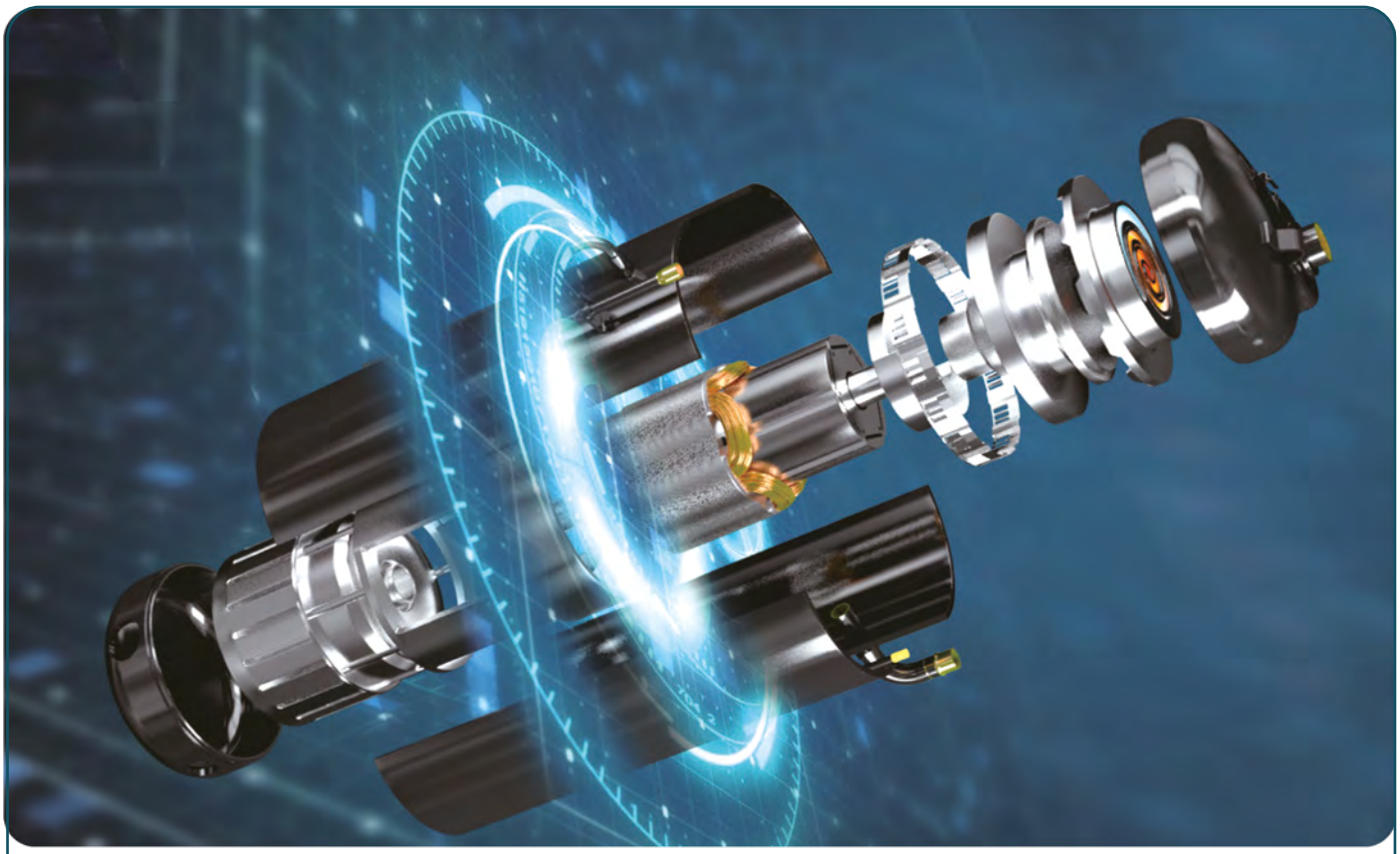
58~84HP

86~112HP

REF SERIES

4/5/6HP

8/10/12HP



REVOLUTIONARY HVAC COMPRESSOR

Vapour injection technology

New generation scroll compressor is now patented with higher performance capability vapour injection technology, increasing capacitay up to 25% compared to conventional scroll compressor with same amount of power consumed.

1 - Discharge

2 - Suction

3 - Vapour Injection

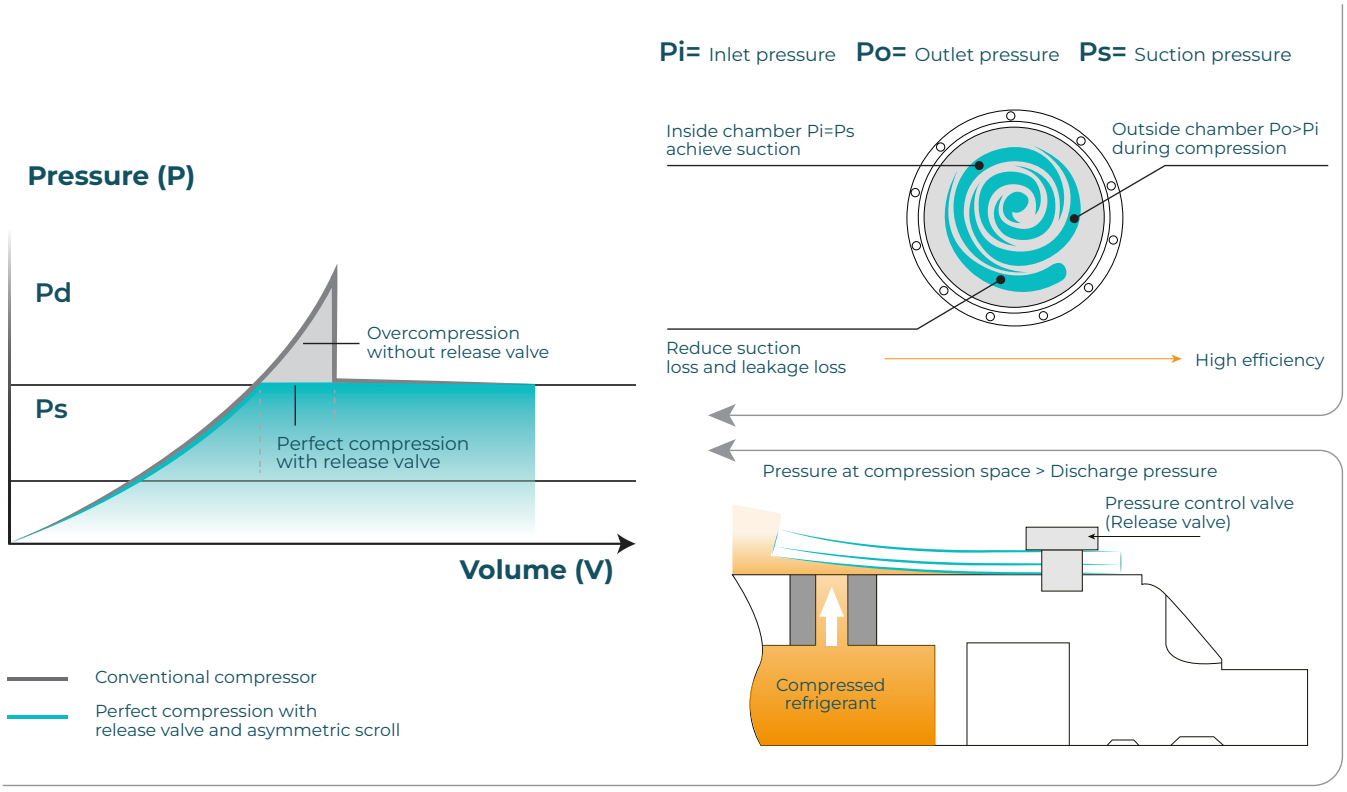
4 - Oil Supply

Notes:

Used in outdoor units
of the CRF series heat recovery

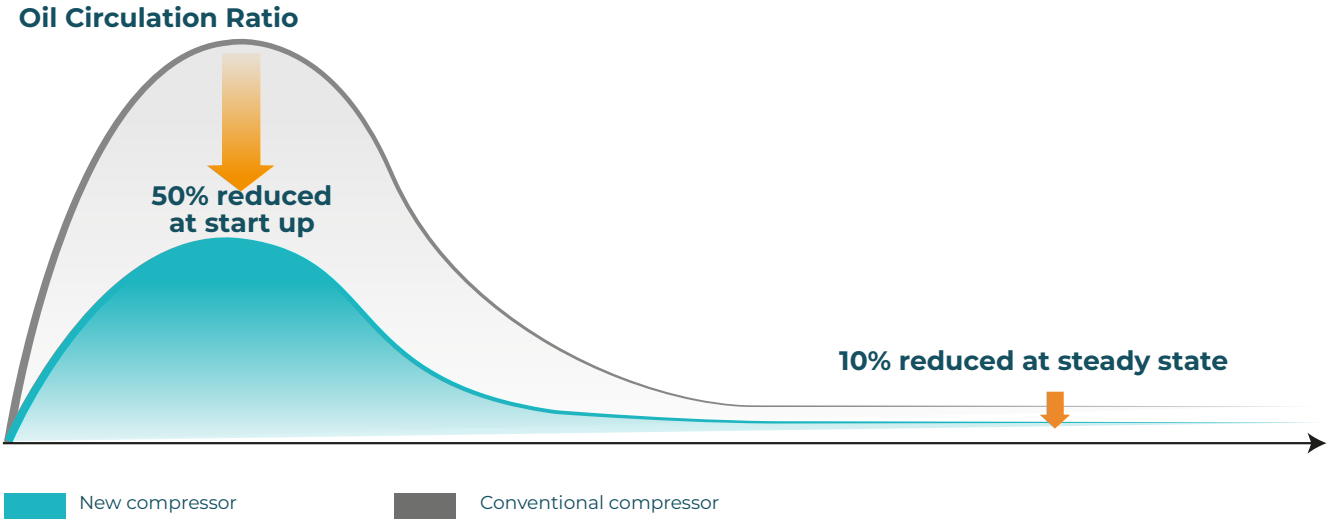
EFFICIENT ENERGY USAGE

Wasted power is reduced by minimizing leakage and anti-overcompression while compressing refrigerant gas with asymmetric scroll and patented release valves.



Enhanced oil level retaining capability

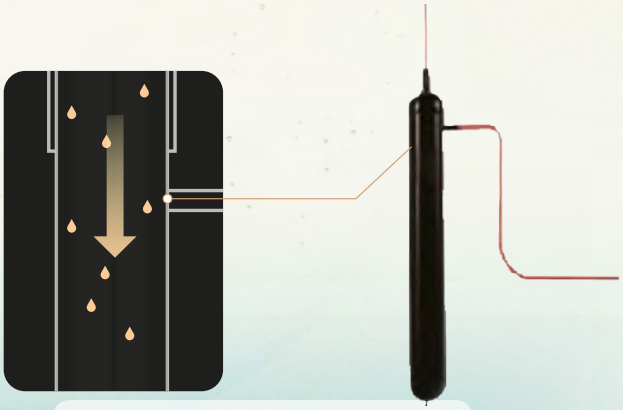
The new compressor has a greater improvement in reliability by enhancing the oil retaining capability with lower oil circulation ratio by 50%. The "oil cup" embedded in the compressor prevents compressor bearing failures due to lack of lubrication in the inner rotating components.



OIL SEPARATION AND OIL RETURN

OIL SEPARATION

First-stage Oil Separation

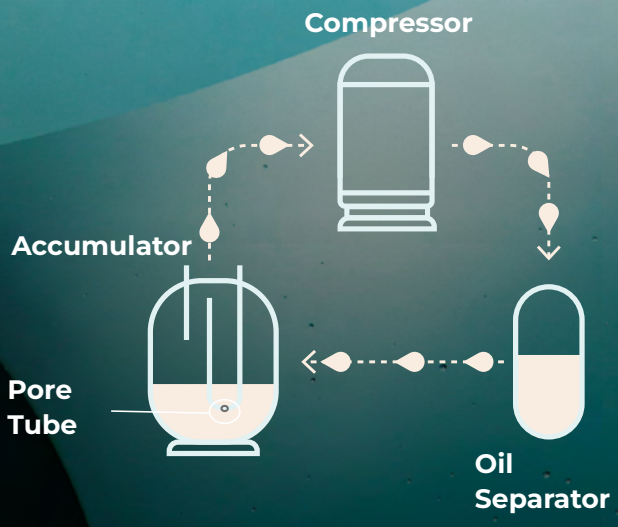


Second-stage Oil Separation

First-stage oil separation is realized through efficient oil separation structure inside the high-pressure-chamber compressor. Only a small amount of oil is brought out of the compressor.

During second-stage oil separation, the small amount of oil discharged from compressor is separated by a large-capacity high-efficiency centrifugal oil separator, with efficiency over 99%.

OIL RETURN



The accumulator adopts pore tube oil return technology with a built-in fine strainer, which not only ensures oil balance between compressors within one module, but also plays an important role in the oil balance between modules.
Besides this, the system implements oil-return function based on compressor frequency and corresponding operation time. The oil-return takes 60 seconds and can return to previous condition when it is finished.
In winter under heating mode, this operation is implemented without switching to cooling mode, which guarantees the heating performance.

ENHANCED ANTI-CORROSION SOLUTION

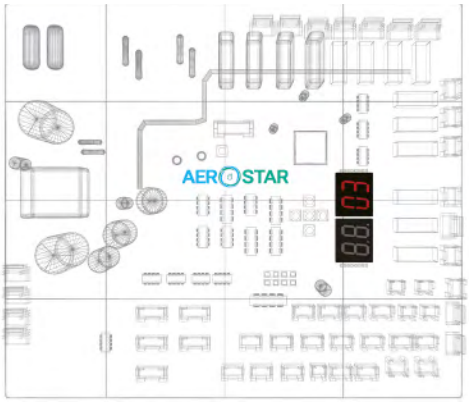
Aerostar`s complete corrosion-proof is a perfect solution in seaside and chemical factory applications (sulphide contamination occasion), providing ultimate comfort without sacrificing life span and reducing maintenance cost simultaneously.

1	**Front Panel**	Galvanized steel treated with zirconium & 100μm ~ 180μm epoxy zinc rich primer + pure polyester paint coating.
2	**Heat Exchanger**	Black fin (with epoxy resin & hydrophilic film); Cooper fin.
3	**Electrical Box**	Galvanized steel treated with zirconium & 50μm~120μm pure polyester.
4	**Fan Motor**	Coated with 10μm ~ 30μm Acrylic Resin coating Thickness: 10μm ~30μm

5 Top Grill **6 Motor Bracket** **7 Protection Net**

SELF-DIAGNOSIS & SELF-PROTECTION MEASURES

Self-diagnosis



Operation monitoring and maintenance are made simpler by having the AC unit tells you what and where is wrong with them. Alarm codes will be flashed out when an error or breakdown occurs. Extremely helpful for installers during test run and also end-users to understand what's going on. Besides alarm codes, operating status and parameters like history temperature, pressure, compressor frequency and etc are traceable on controllers and the outdoor unit, easing service maintenance and troubleshooting.

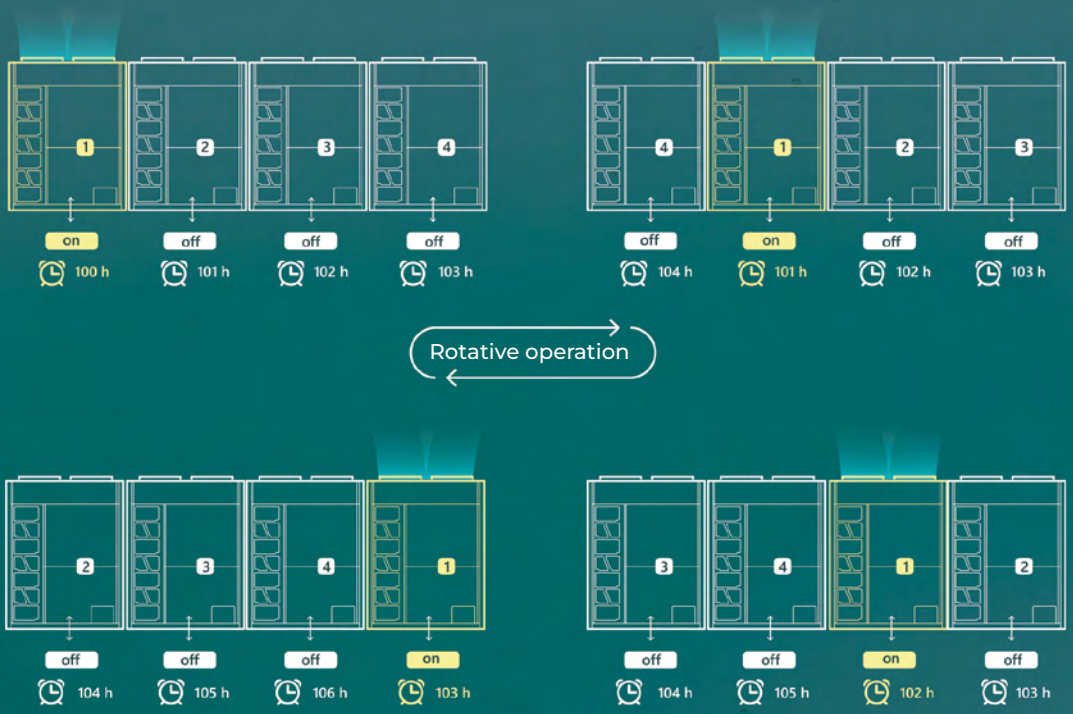
SELF-PROTECTION

Aerostar VRF can protect itself with algorithms embedded to make necessary protective decisions and measures by different sensor readings and parameters, including compressor protections, system protections, inverter protections and electric protections.

SMART ROTATIVE OPERATION & TRIPLE BACKUP OPERATION

SMART ROTATIVE OPERATION

Operation duties are smartly balanced in higher capacity module combinations to prevent occurrence of individual unit overworked and hence extending the overall operating life of the overall system.



TRIPLE BACKUP OPERATION

Module backup operation

If one module in a combination system malfunctions, the other ones can still keep working to ensure an emergency operation until service and repair.

COMPRESSOR BACKUP OPERATION

In the single module system equipped with two compressors, if one compressor malfunctions, the other one can provide emergency operation. In the combined modules, if the compressor in one module goes wrong, the other modules can provide emergency operation.
Thus a stable and continuous operation can be ensured thanks to the backup of compressors.

Compressor Backup

Outdoor Unit Backup

FAN BACKUP OPERATION

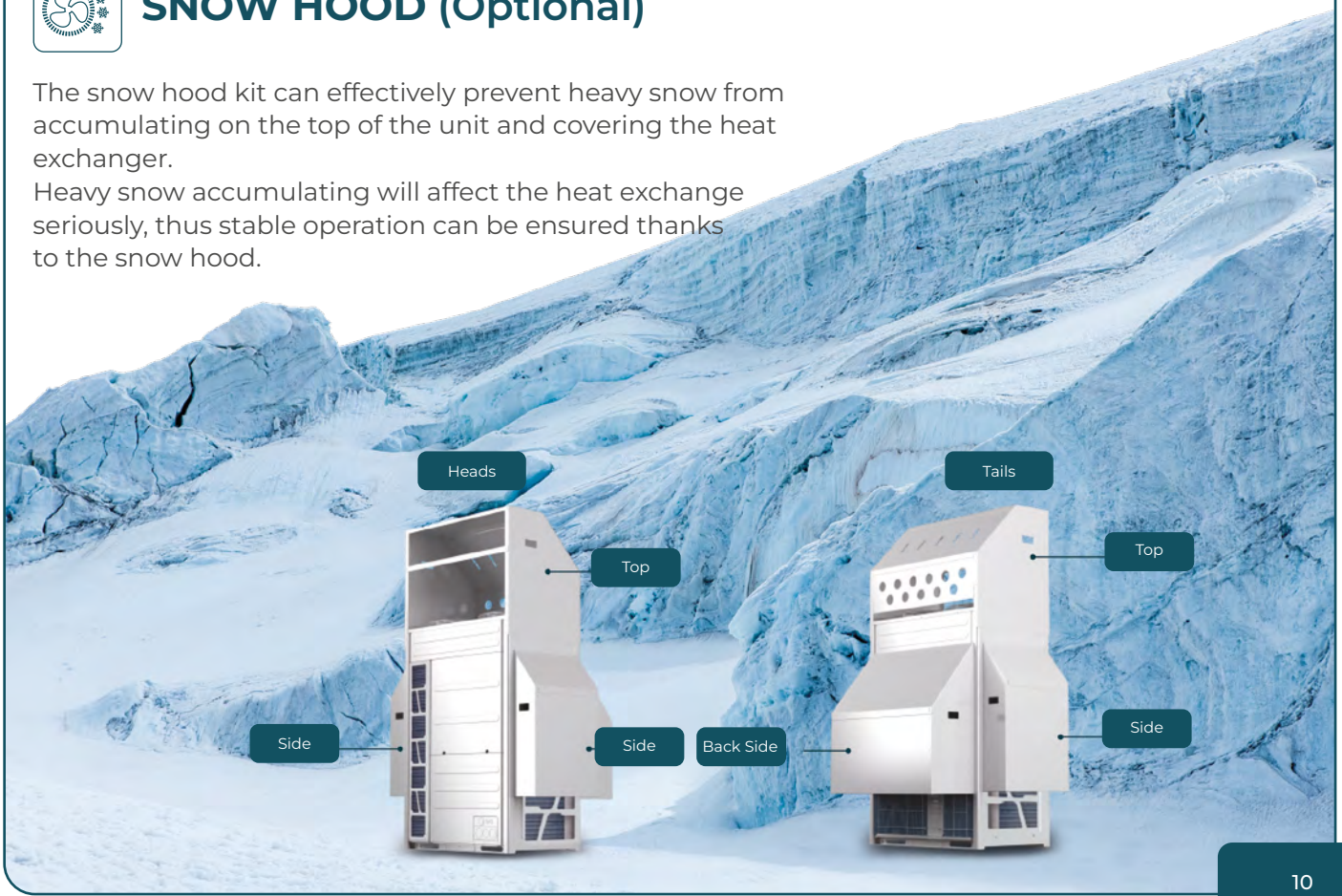
For the module equipped with two fans, if one fan breaks down, the other one won't be influenced, the module can still keep working.

Single Module System

Combined Modules System

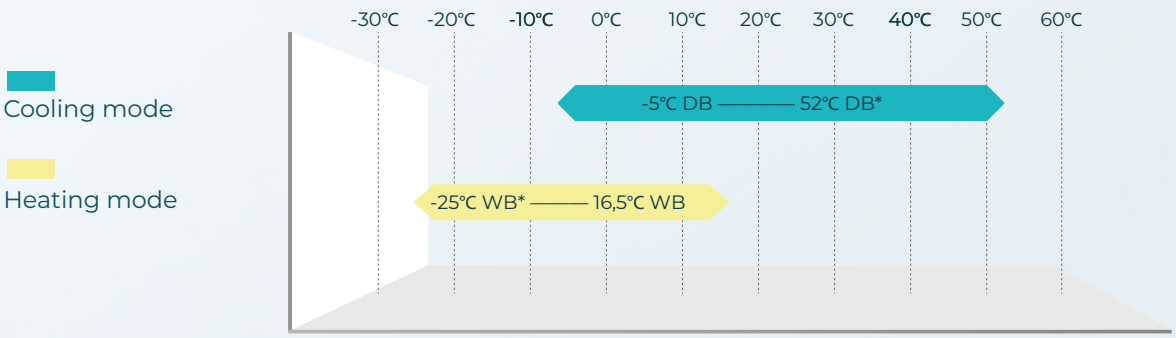
SNOW HOOD (Optional)

The snow hood kit can effectively prevent heavy snow from accumulating on the top of the unit and covering the heat exchanger.
Heavy snow accumulating will affect the heat exchange seriously, thus stable operation can be ensured thanks to the snow hood.



WIDER OPERATION RANGE

Extended operation range creates wider application potential, in cooling mode the operation range is from -5°C DB to 52°C DB and in heating mode the operation range is from -25°C WB to 16.5°C WB, which adapts to extreme conditions.



Note:

1. The dry temperature range of heating operation mode is from -25°C to 26°C.

2. When the temperature is in 48°C~52°C and -20°C~ -25°C, the module is in intermit tent operation.

3. Please refer to the specification table of each series for detailed operation range.

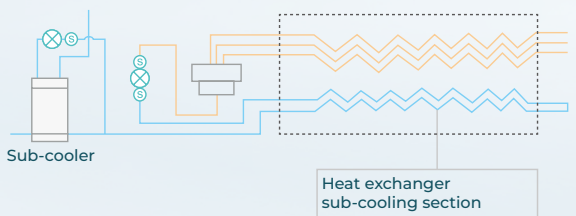
AUTOMATIC RESTART

Aerostar indoor units are capable to restart automatically to the previous state whenever the power supply is shut off suddenly and restores immediately. When there is long power shortage, the default setting is to keep all the indoor units off when the power restores. Also there are two other settings for users' choice, recovering to the state before power failure or restarting all the indoor units.

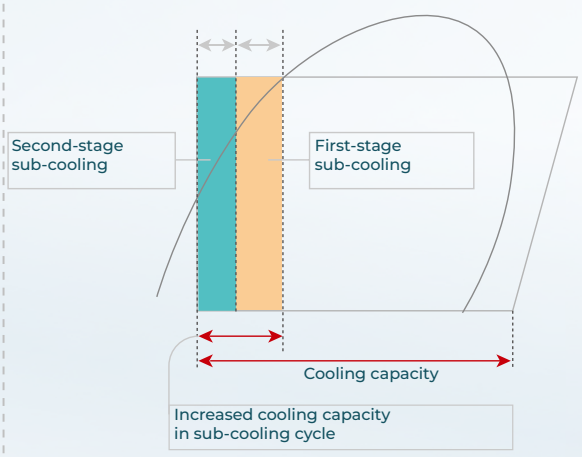
TWO-STAGE SUBCOOLING

For the conventional VRF systems without the sub-coolers, the subcooling temperature is about 12.5°C with one-stage subcooling. However, Aerostar VRF's 2-stage subcooling technology can realize the subcooling temperature up to 27°C, distinctly improving the cooling capacity by pushing refrigerant further beyond its condensing temperature.

Two-stage sub-cooling cycle diagram



Two-stage sub-cooling pressure enthalpy diagram

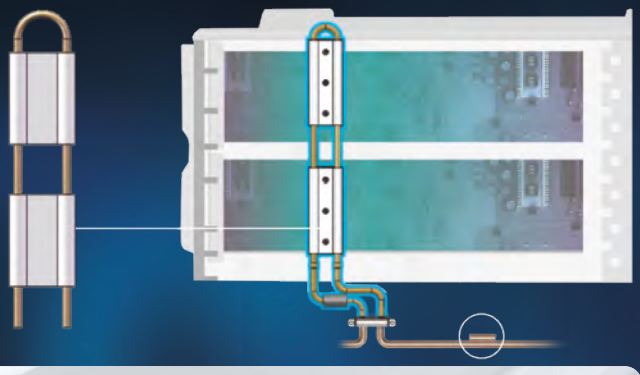


PATENTED 360°FITTED REFRIGERANT COOLING TECHNOLOGY

Aerostar VRF uses refrigerant cooling technology to cool the electrical control box. It overcomes the poor heat dissipation and high ambient temperature issues to maintain efficient operation even at harsh environment.

Compared with air-cooled technology, the temperature inside the electrical box can be reduced by up to 20%*.

Moreover, the refrigerant cooling kit adds a temperature sensor, which could be more precise to control the refrigerant cooling temperature and ensure the whole reliability.



Note:

1. The data is based on the CHF unit under low fan speed operation.*
2. Temperature sensor is only available for CHF series.

QUALITY ELECTRICAL & MAGNETISM PRECAUTION MEASURE

Air-conditioning unit produced by Aerostar VRF requires strict electromagnetic protection and preventive quality assurance to not allow electromagnetic wave from other devices surrounding the unit to interfere the normal operation and function of our unit and vice versa onto other equipment. Another typical damage causes of electronic and electrical failure is sudden high external power source exerted into the electronic compositions like thunder strike during a storm. As to overcome such inevitable natural phenomenon to cause damage, 4000V sudden high voltage test is infused into the long list of electromagnetism quality test in our internationally qualified test lab.

INSECT PROTECTION DESIGN

Special design nettings are placed on insect easy-entry openings, effectively preventing unnecessary electrical component damages.

VOLTAGE PROTECTOR RESERVED (optional)

Too low or too high voltage can easily damage the electronic components. The new generation of top flow unit has reserved the space for assembling the voltage protector, which can be an effective solution to protect outdoor units from any voltage spikes.

The power supply of outdoor unit will be automatically cut off when there is abnormal voltage, and will be restored when power supply returns to normal after 30s.

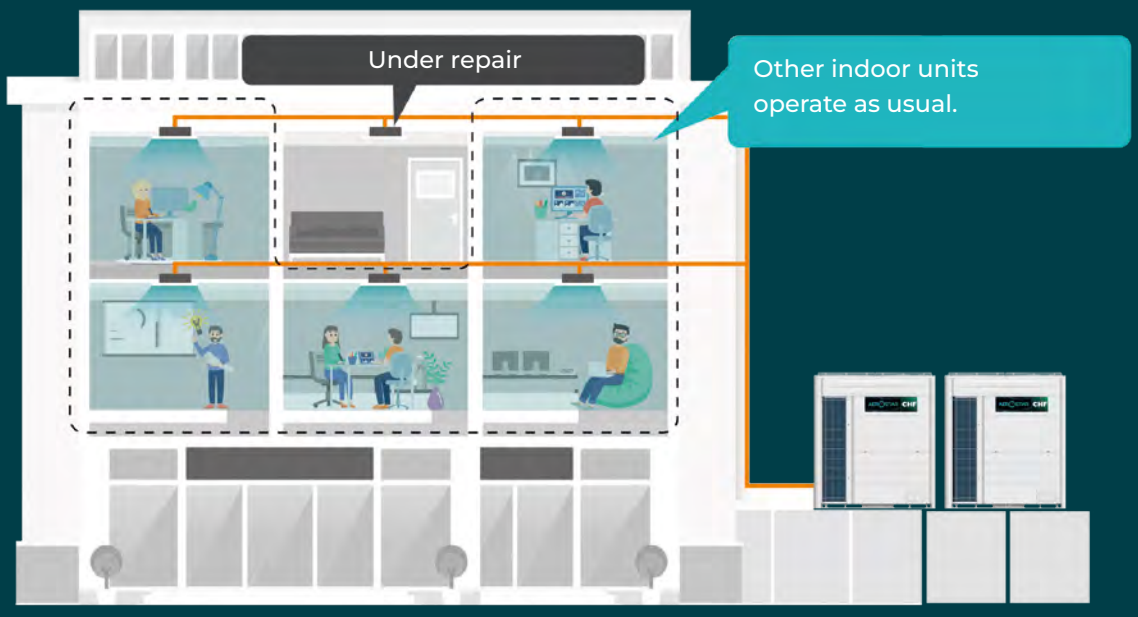
Meanwhile, it's helpful for checking the phase sequence error or phase loss according to the indicator lights, convenient for commission and maintenance.

Can bear
15000 times actions

Can be installed in the factory or on site

INDEPENDENT MAINTENANCE OF INDOOR UNIT

To maintain the whole system's continuous operation even when there is a breakdown occurring within the system, Aerostar VRF is capable to isolate the faulty unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously. It's especially practical for retail shops or offices where multiple indoor units share the same system.



*Preliminary setting is unnecessary

Transparent drain pipe

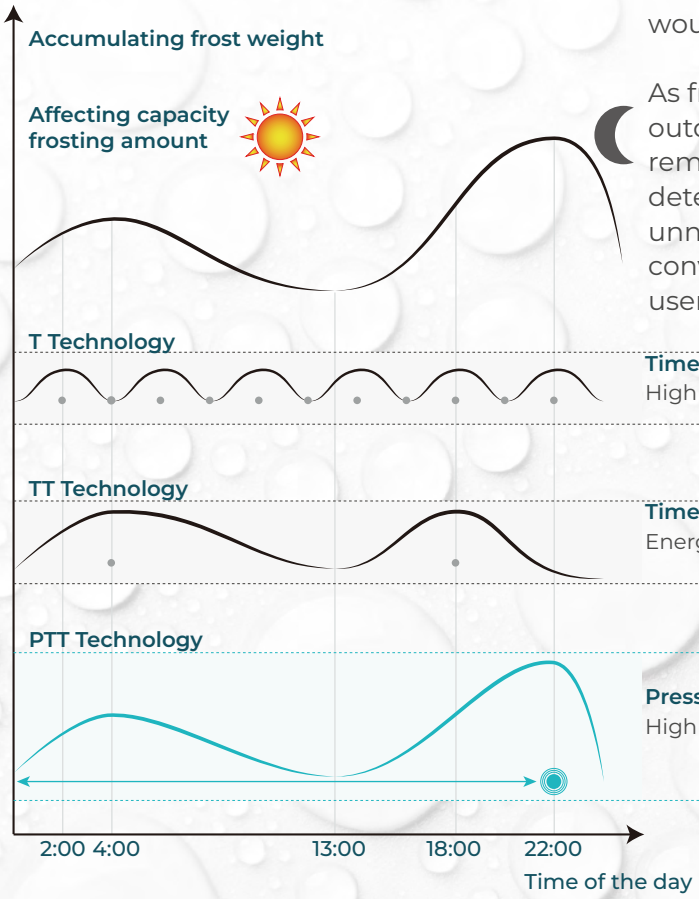
To ease drainage inspection, Aerostar indoor units adopt transparent drain hose connection.

It enhances installation and maintenance, making sure drain hoses are connected securely and make blockage inspections much easier.

PTT DEFROSTING MODE

During cold freezing days where temperature is low and humid, water vapour in the air would solidifies into frost and any object under such environment would accumulate frost.

As frosts pile up on the heat exchanger of an outdoor unit, it would need to be liquified and removed. An Intelligent Defrosting Logic could determine the perfect timing to defrost, saving unnecessary energy usage compare to conventional defrost measures, maximizing users' comfort indoors.



Time defrosting
High energy wastage and causing low indoor comfort

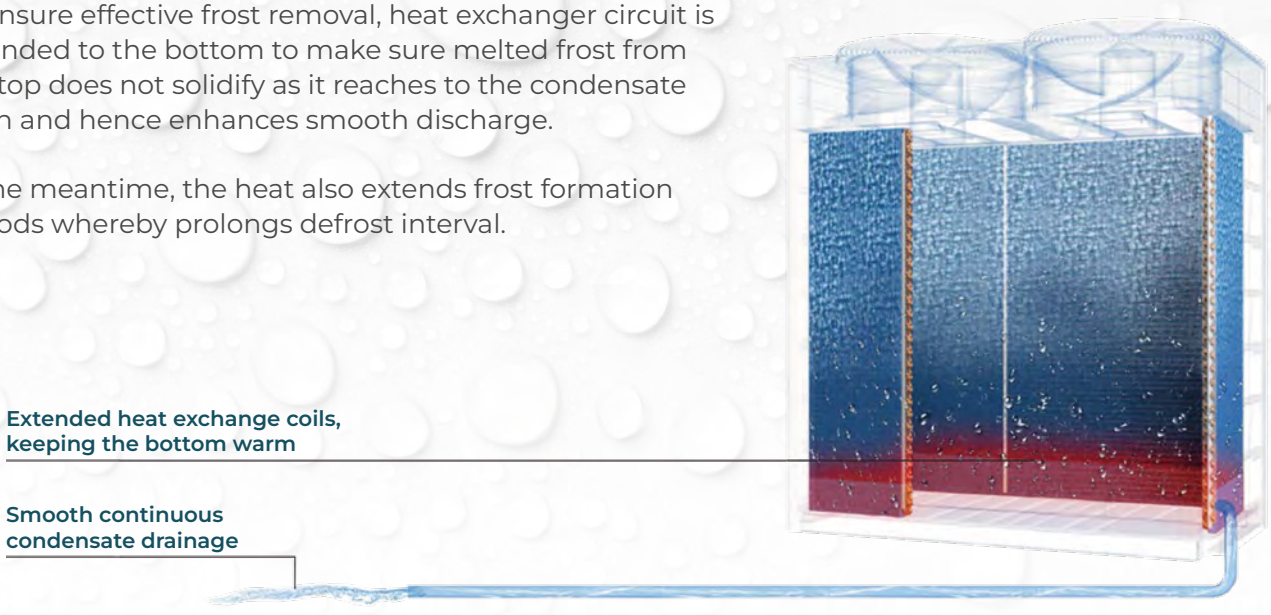
Time and temperature defrosting
Energy wastage and might not defrosting at accurate time

Pressure, time and temperature defrosting
High energy saving and efficient use of energy

Bottom anti-frosting structure

To ensure effective frost removal, heat exchanger circuit is extended to the bottom to make sure melted frost from the top does not solidify as it reaches to the condensate drain and hence enhances smooth discharge.

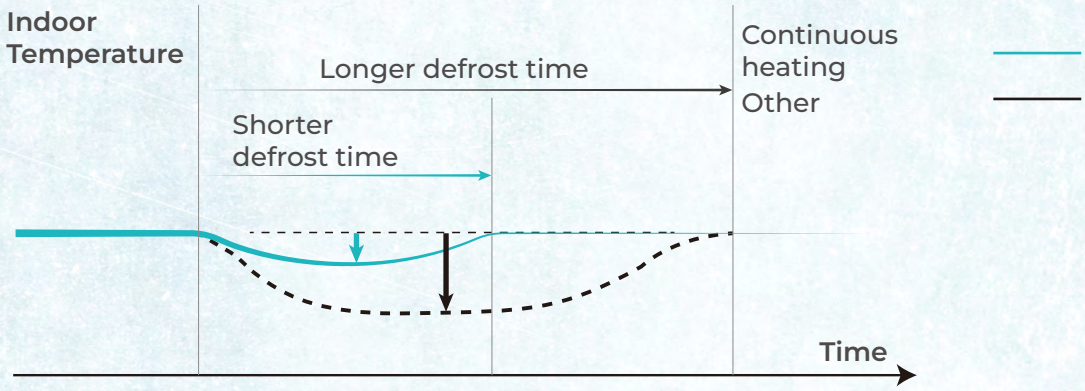
In the meantime, the heat also extends frost formation periods whereby prolongs defrost interval.

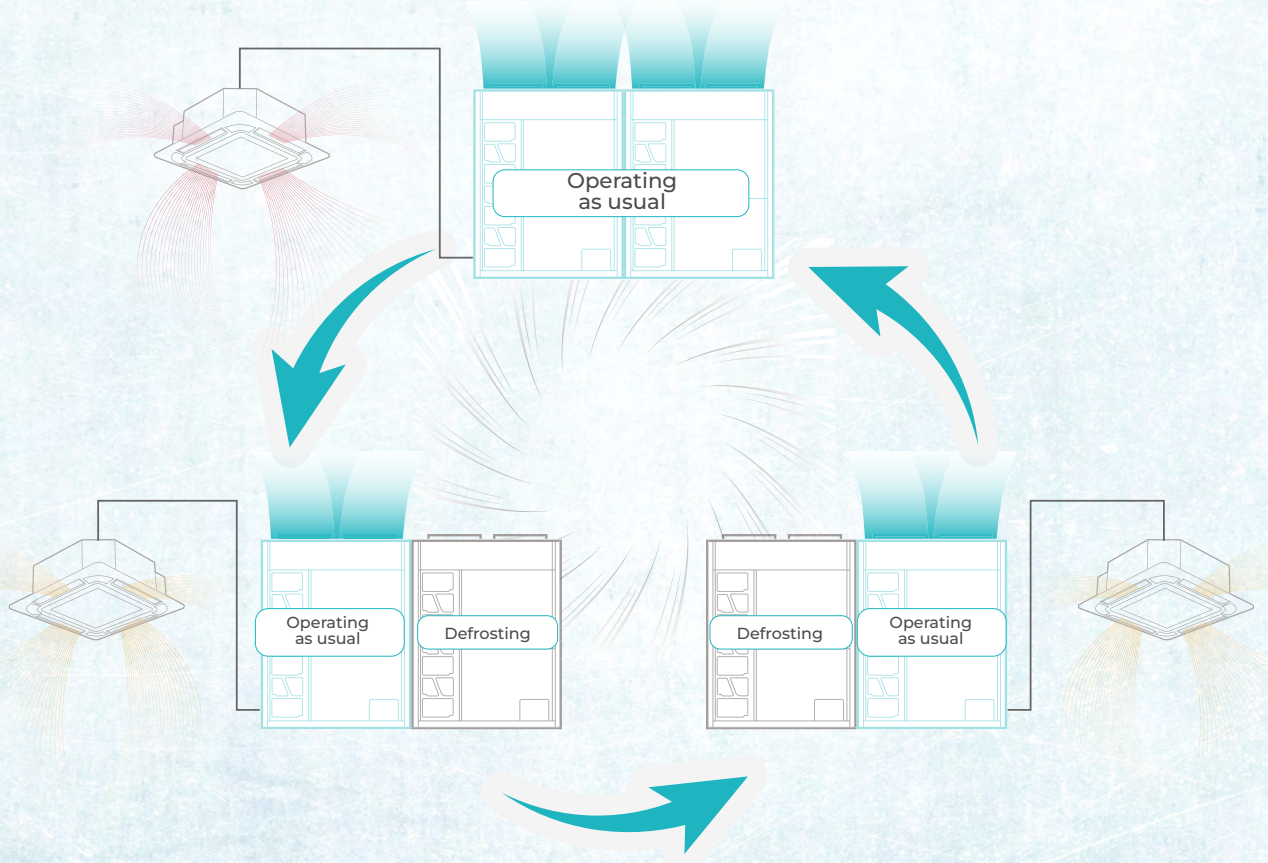


CONTINUOUS HEATING DURING DEFROST

The module combination design can achieve rotation defrosting among modules for decreasing indoor temperature fluctuation, so as to improve users' comfort.

Indoor temperature fluctuation curve





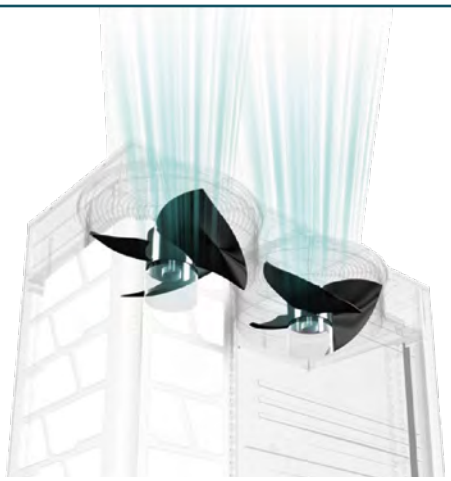
Note:

Only available for module combinations of CRF series.

STEPLESS-SMOOTH FAN SPEED CONTROL

Inverter fan motors are now commonly used, where efficiency increase by 40%.

Whereas in Aerostar VRF, brushless DC fan motors are used, as it could further reduces power consumption and noise production than normal inverter motors.



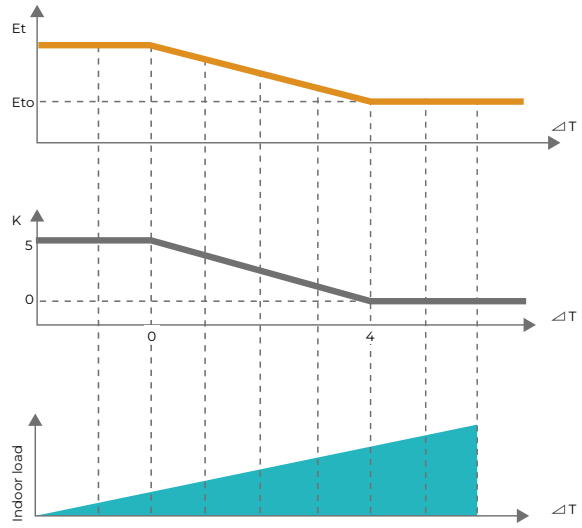
Efficient axial fan

Auto Refrigerant Temperature Control (ART)

Aerostar VRF system featured with ART technology can meet the indoor loads more accurately at a higher efficiency.
The system adjusts the evaporating temperature (Et) according to actual indoor loads automatically in a wide range. The Et is raised to minimize the difference with the condensing temperature when the air-conditioning load is low, thus further improving the energy efficiency.

Features:

1. *Energy efficiency is improved without sacrificing comfort.*
2. *ART is particularly efficient under low-load operation.*
3. *The initial evaporation temperature can be adjusted between 2-11°C, which is the widest in the market.*
4. *Realize rapid cooling with lower evaporating temperature.*
5. *Avoiding cold draft with higher evaporating temperature.*

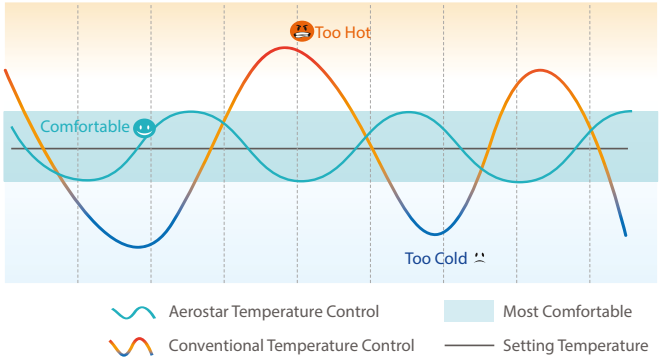


Et=Eto+K
Et: Evaporation temperature
Eto: The initial evaporation temperature
Δ T: The temperature difference between air inlet and the setting temperature

PRECISE TEMPERATURE CONTROL

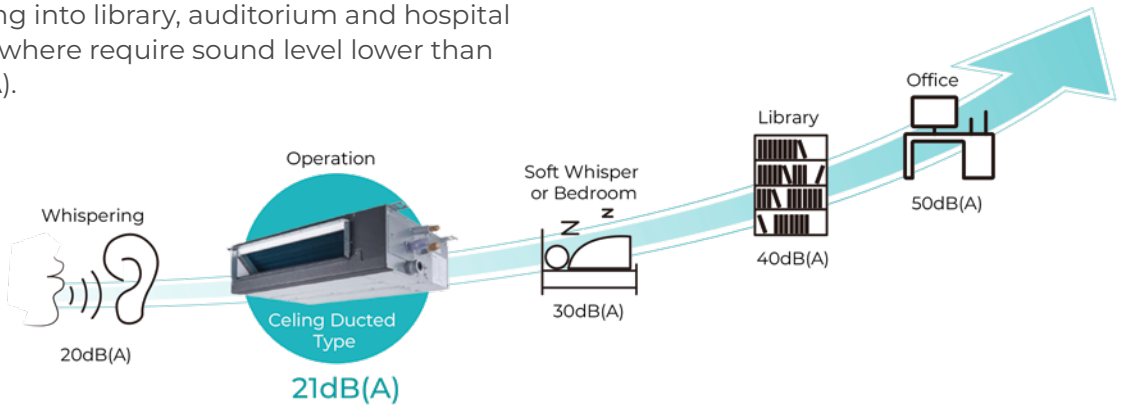
2000-step EEV

There are multiple temperature sensors equipped in the system, which will be very helpful to judge the indoor load more accurately. Also the 2000-step EEV is specially adopted to ensure
precise refrigerant flow adjustment according to the actual load of indoor units, achieving a more comfortable indoor environment with small temperature fluctuation.



LOWER NOISE FOR INDOOR UNITS

Aerostar VRF offers indoor units with sound pressure level as low as 19dB(A), perfectly blending into library, auditorium and hospital rooms where require sound level lower than 25dB(A).

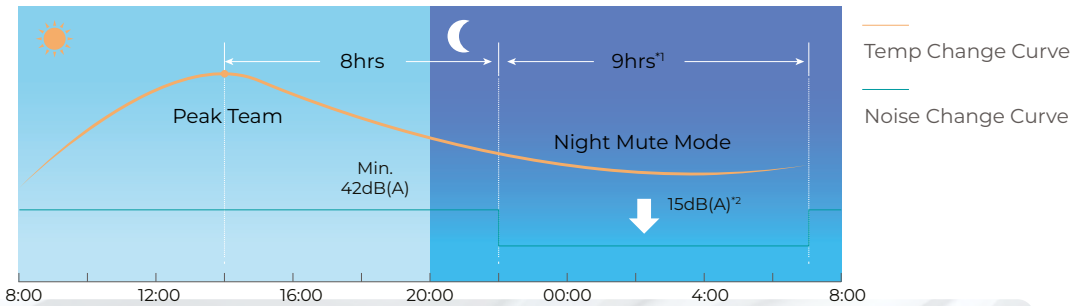


The DC ceiling ducted type (AER-CS15DLDC) can achieve the 21 dB(A) under the standard test condition.

OUTDOOR UNIT NOISE CONTROL

Auto night quiet mode

When outdoor conditions call for special low noise requirements, like in cases where outdoor units are installed in indoor equipment rooms with poor soundproof walls or continuous night operating conditions. The night mode reduces sound pressure levels upto 30% routinely with flexible time intervals to meet different customer needs.



Note:

1. The night mute mode can last for 8hrs, 9hrs or 10hrs according to the setting.
2. Take the unit AER-CS280CHOU CHF series as an example.

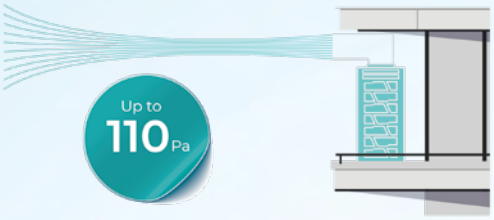
Low noise mode

Low noise mode can be set by operating the DIP in the PCB.
There are multiple levels by set different frequencies of compressor and fan motor speed.
What's more, the low noise mode can be achieved by external input signal. The noise can be reduced by up to 14dB(A)

VIP Mode

Aerostar VRF offers VIP mode to give priority to the specific room, keeping them comfortable and satisfied as fast as possible and 5 indoor units can be set as VIP mode at the same time. Such function is exclusively practical for hotel application, where AC unit in the presidential suite is often set to VIP mode.

Adaptive fan static pressure technology



The initial setting is 80Pa. Can be set to 110Pa from the PCB on site.

External static pressure is essential to determine the air discharge and duct connection distance.

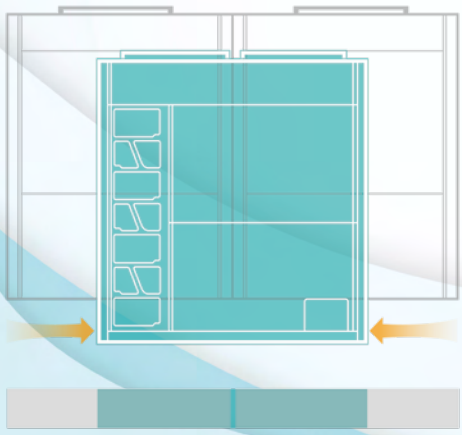
Aerostar VRF's outdoor unit external static pressure is reachable upto 110Pa compare to the conventional 80Pa.

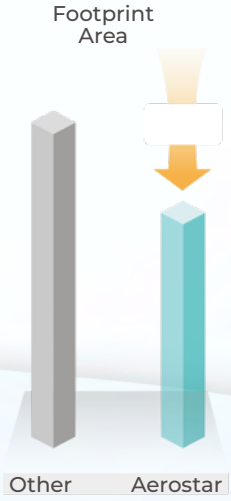
Allowing longer ducting connection for better air discharge when are installed in the equipment platform that is not easy to exhaust.

LARGER CAPACITY, MINIMIZING FOOTPRINT AREA

Aerostar VRF outdoor units now possess larger capacity per single module unit. Reducing the installation floor space significantly also eliminates the necessity of modules for bigger capacity.

Despite the beneficial space saving properties, same goes to the unit's weight per capacity too. Hence, offering more design and installation flexibility even in limited spaces.



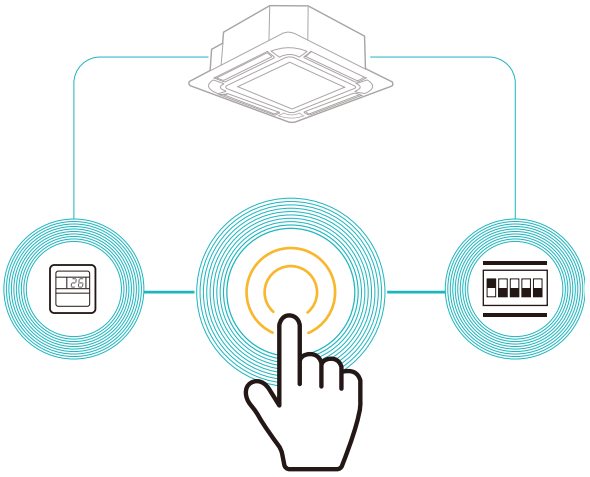


COMPACT AND LIGHT-WEIGHT

With larger capacity per unit, Aerostar VRF outdoor units are more compact in size with the largest capacity of 28HP single module, leading capacity of a single module in the market.
Compact yet reduced overall weight makes transportation much convenient and even fit into elevators.

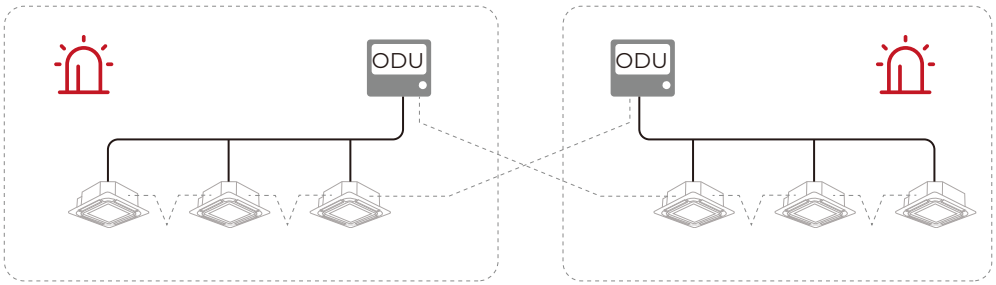
ONE-TOUCH TEST RUN

Test run is one of the essential part in testing and commissioning to make sure the HVAC system in a building works steadily and safely before hand over or soft opening.
To make test run as simple as possible, Aerostar VRF systems are capable to conduct test runs with just a button away wherever installers are, both indoors and outdoors.



FLEXIBLE CONNECTION

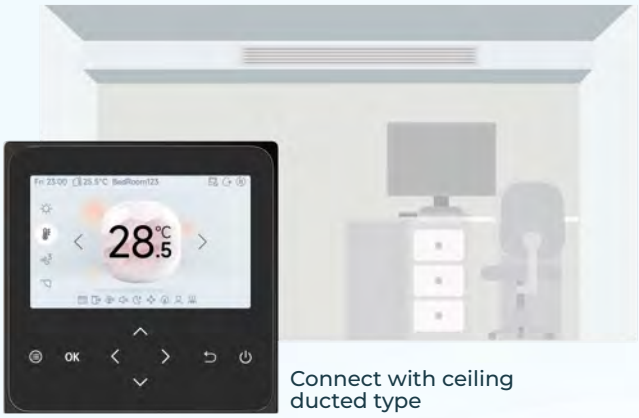
Communication line connections between outdoor unit to indoor units might be confusing when comes to long cables from the outdoors to the indoors and vise versa. It is often incorrectly connected and caused various errors affecting the end user's comfort levels. Despite of Aerostar VRF's simple wiring connection ports, the outdoor unit itself could also check on the connections and display warnings when the connections are improper.



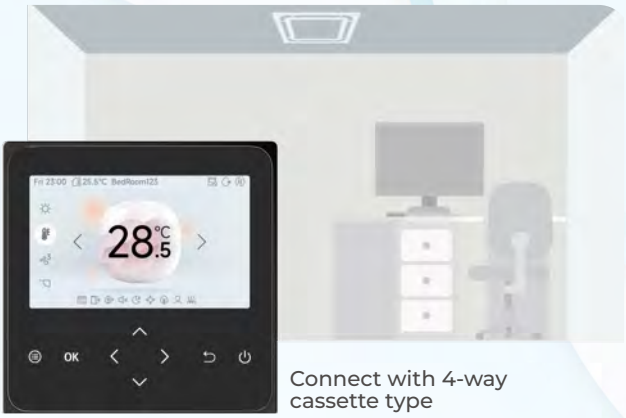
Indoor units from different systems are connected to the incorrect outdoor unit, alarm codes flashes out warning installers to make proper corrections.

INTELLIGENT MATCHING IDUS

Match all kinds of Aerostar indoor units. If each air deflector can be controlled independently, the key will light. On the contrary, the key will dim and you can not click.



Connect with ceiling ducted type



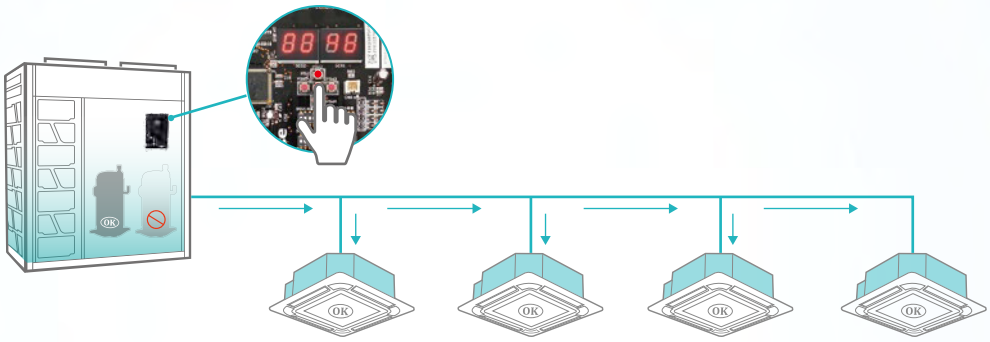
Connect with 4-way cassette type

ONE-TOUCH REFRIGERANT RECYCLE

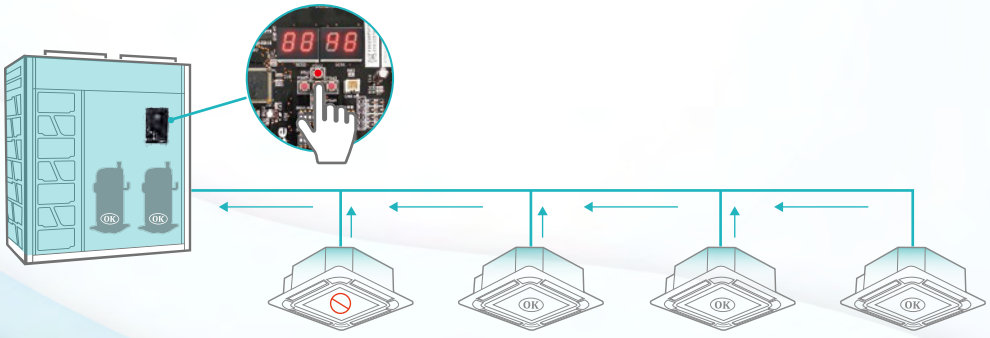
Aerostar VRF has one-touch refrigerant recycle function.

Just with a press of the button on the PCB, the refrigerant can be recycled directly, it is very helpful and convenient when the indoor units or the compressor are under repair.

Replacing Compressor

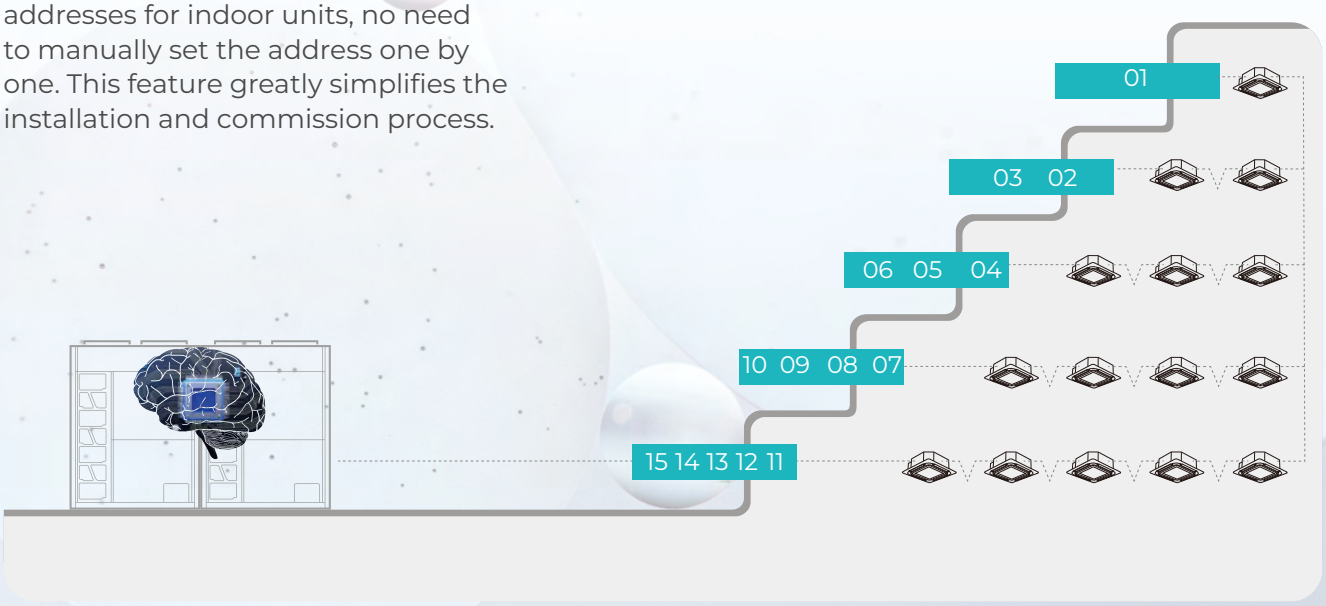


Replacing Indoor Unit



AUTOMATIC ADDRESS DISTRIBUTION

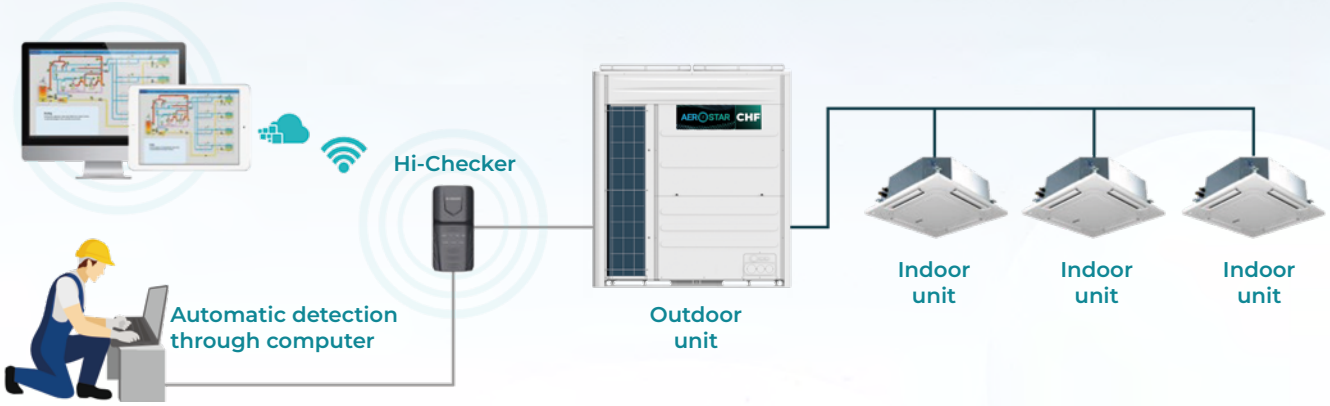
The system can automatically distribute addresses for indoor units, no need to manually set the address one by one. This feature greatly simplifies the installation and commission process.



ACCURATE INTELLIGENT SYSTEM DIAGNOSIS

Exclusive Hi-Checker is a super intelligent service tool for system diagnosis, which can provides easy access to service parameters.

Detail operation status and recent error history can be checked and analyzed by using Hi-Checker.

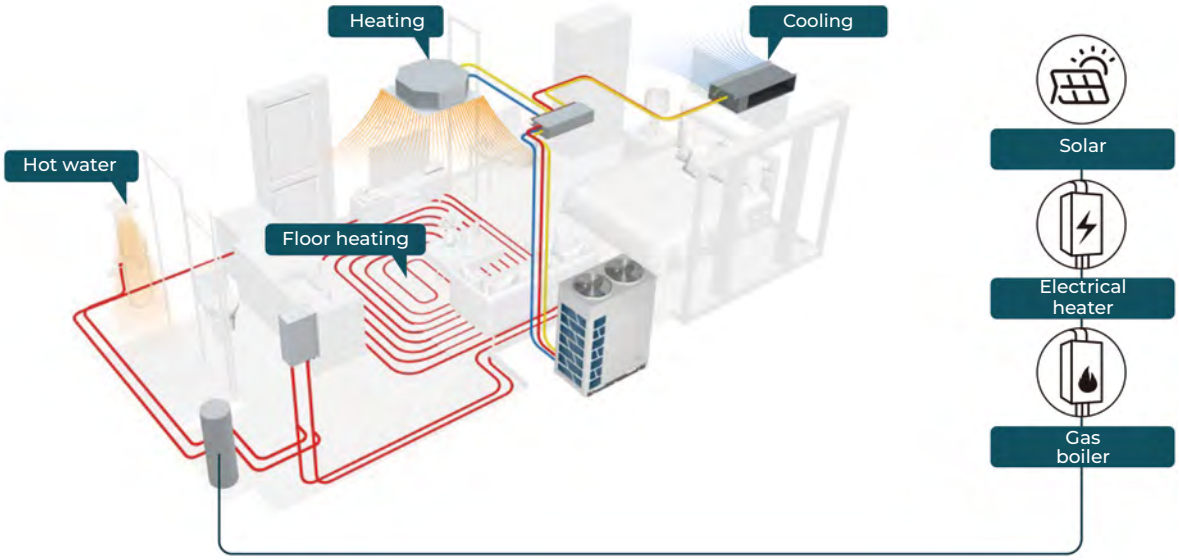


AEROSTAR

CRF
HEAT RECOVERY SERIES

ALL IN ONE RENEWABLE ENERGY SOLUTION

With CRF heat recovery series, cooling and heating of air can be realised simultaneously including water. During summer, it serves cool indoor rooms and warm water supply for night showers. With the same system, floor heating and fan coil unit heating and cooling can be done during season transition periods.



200% CONNECTION RATIO

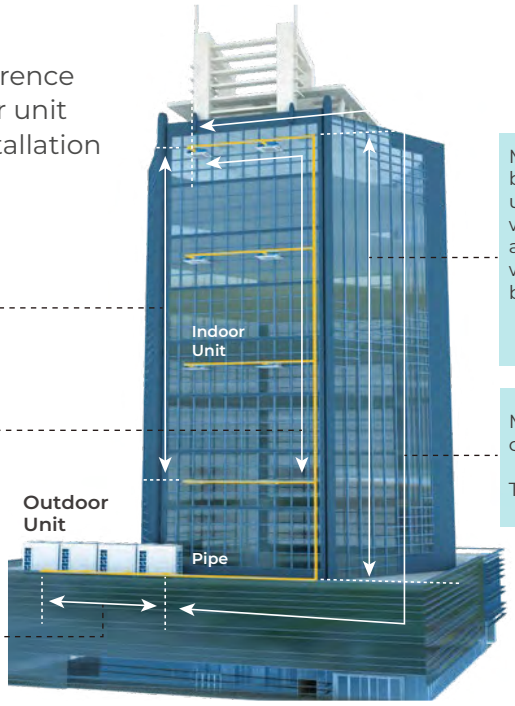
The powerful CRF heat recovery series outdoor units are connectable to indoor units up to 2 times of its own capacity with ratio of 200% for a more efficient and cost saving system.

EXTERNAL STATIC PRESSURE

External static pressure is reachable up to 110Pa, allowing better air discharge when are installed indoors with ducting or even outdoors in poor air ventilation spaces.

PIPING LENGTH

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters*, which makes installation more flexible.



Maximum height difference of indoor units: 15m(30m*)

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Largest pipe length between outdoor units: 10m

Maximum height difference between indoor and outdoor units:
when the outdoor unit is above: 50m(90m*)
when the outdoor unit is below: 40m(90m*)

Maximun actural length of a single pipe: 165m

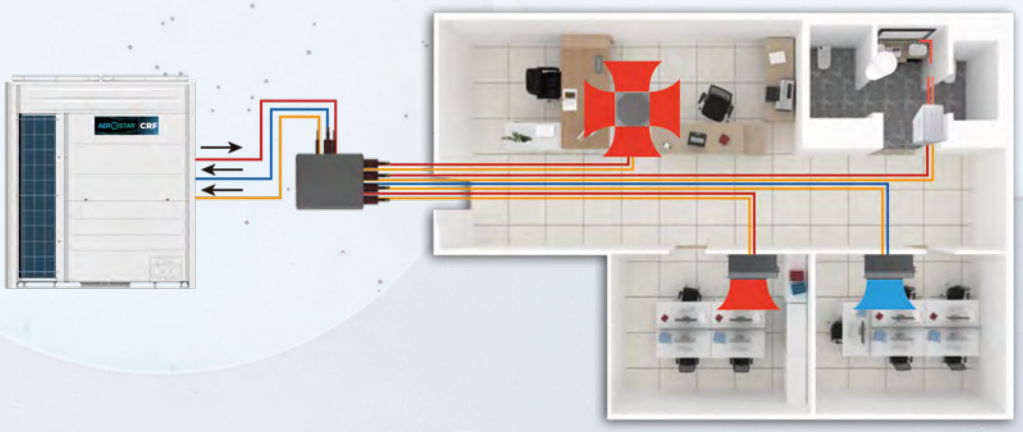
Total length of pipes: 1000m

Note:
For detailed information, please contact Aerostar's technical staff.

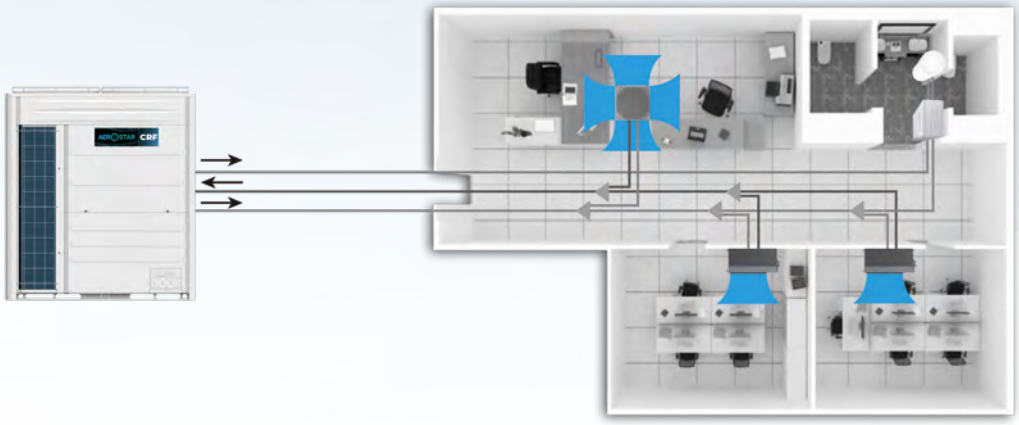
SWITCH BOX

Блок дає змогу спростити 3-трубну систему з рекуперацією тепла за рахунок меншої кількості з'єднань і трубопроводів. Потужності до 85 кВт для більших систем і до 16 портів для під'єднання внутрішніх блоків.

3 Pipes Without Switch Box



3 Pipes Without Switch Box



CRF
Heat Recovery

HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AER-CS224CROU	AER-CS280CROU	AER-CS335CROU	AER-CS400CROU	AER-CS450CROU	AER-CS500CROU
	Modules		——	——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Power Input	kW	4.87	6.75	8.09	10.26	12.16	14.04
	EER	kW / kW	4.60	4.15	4.14	3.90	3.70	3.56
Heating	Capacity (Max/ Nom)	kW	25.0 / 22.4	31.5 / 28.0	37.5 / 33.5	45.0 / 40.0	50.0 / 45.0	56.0 / 50.0
	Power Input (Max/ Nom)	kW	5.20 / 4.36	6.77 / 5.63	9.17 / 7.70	10.82 / 8.89	12.14 / 10.32	14.74 / 12.02
	COP (Max)	kW / kW	4.81	4.65	4.09	4.16	4.12	3.80
Ventilation	Air Flow Rate	m^3/min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	59	60	62	62	62	62
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	1	1	1	1	1	2
Refrigerant	Type	-	R410A					
	Pre-charged Quantity	kg	5.60	5.90	6.00	8.80	8.80	9.20
Weight	Net Weight	kg	226	227	246	289	290	349
	Gross Weight	kg	246	247	266	311	312	371
Dimensions	External (HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing (HxWxD)	mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
Cabinet Color			Слонова кістка	Слонова кістка	Слонова кістка	Слонова кістка	Слонова кістка	Слонова кістка
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ19.05(3/4)	Φ22.20(7/8)	Φ25.40(1)	Φ25.40(1)	Φ28.60(1-1/8)	Φ28.60(1-1/8)
	High/Low Pressure Gas Line	mm(in.)	Φ15.88(5/8)	Φ19.05(3/4)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.70(1/2)	Φ12.70(1/2)	Φ12.70(1/2)	Φ15.88(5/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ19.05(3/4)	Φ22.20(7/8)	Φ25.40(1)	Φ25.40(1)	Φ28.60(1-1/8)	Φ28.60(1-1/8)
	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.70(1/2)	Φ12.70(1/2)	Φ12.70(1/2)	Φ15.88(5/8)
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30**2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AER-CS560CROU	AER-CS615CROU	AER-CS680CROU	AER-CS725CROU	AER-CS800CROU
	Modules		——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80.0
	Power Input	kW	15.60	18.04	20.61	21.90	24.24
	EER	kW / kW	3.59	3.41	3.30	3.31	3.20
Heating	Capacity (Max/ Nom)	kW	63.0 / 56.0	69.0 / 61.5	75.0 / 68.0	80.0 / 72.5	90.0 / 80.0
	Power Input (Max/ Nom)	kW	16.54 / 13.56	18.80/ 15.89	21.43 / 18.38	22.35 / 19.23	26.01 / 21.92
	COP (Max)	kW / kW	3.81	3.67	3.50	3.58	3.46
Ventilation	Air Flow Rate	m^3/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	9.80	10.60	10.60	11.50	11.50
Weight	Net Weight	kg	369	377	378	400	401
	Gross Weight	kg	393	401	402	426	427
Dimensions	External (HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing (HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	High/Low Pressure Gas Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ28.6(1-1/8)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			30HP	32HP	34HP	36HP	38HP
Model	Model		AER-CS850CROU	AER-CS900CROU	AER-CS950CROU	AER-CS1000CROU	AER-CS1060CROU
	Modules		AER-CS450CROU AER-CS400CROU	AER-CS450CROU AER-CS450CROU	AER-CS500CROU AER-CS450CROU	AER-CS500CROU AER-CS500CROU	AER-CS560CROU AER-CS500CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	кВт	85.0	90.0	95.0	101.0	106.0
	Power Input	кВт	22.41	24.32	26.20	27.75	29.64
	EER	кВт / кВт	3.79	3.70	3.63	3.64	3.58
Heating	Capacity (Max/ Nom)	кВт	95.0 / 85.0	100.0 / 90.0	106.0 / 95.0	113.0 / 101.0	119.0 / 106.0
	Power Input (Max/ Nom)	кВт	22.95 / 19.21	24.27/ 20.64	26.82 / 22.33	28.62 / 23.86	31.27 / 25.58
	COP (Max)	кВт / кВт	4.14	4.12	3.95	3.95	3.81
Ventilation	Air Flow Rate	м³/хв	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
	Static Pressure	Па	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	шт	2	2	3	3	4
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	кг	8.80+8.80	8.80+8.80	8.80+9.20	8.80+9.80	9.20+9.80
Weight	Net Weight	кг	289+290	290+290	290+349	290+369	349+369
	Gross Weight	кг	311+312	312+312	312+371	312+393	371+393
Dimensions	External (HxWxD)	мм	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing (HxWxD)	мм	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1420) x790	1930x (1275+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	мм(дюйм)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	High/Low Pressure Gas Line	мм(дюйм)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ31.75(1-1/4)
	Liquid Line	мм(дюйм)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	мм(дюйм)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	Liquid Line	мм(дюйм)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	шт	50	53	56	59	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	м (вище)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		м (нижче)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	м	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	м	165	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

HP			40HP	42HP	44HP	46HP	48HP
Model	Model		AER-CS1120CROU	AER-CS1180CROU	AER-CS1240CROU	AER-CS1295CROU	AER-CS1360CROU
	Modules		AER-CS560CROU AER-CS560CROU	AER-CS680CROU AER-CS500CROU	AER-CS680CROU AER-CS560CROU	AER-CS680CROU AER-CS615CROU	AER-CS680CROU AER-CS680CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	112.0	118.0	124.0	129.5	136.0
	Power Input	kW	31.20	34.60	36.15	38.63	41.21
	EER	kW / kW	3.59	3.41	3.43	3.35	3.30
Heating	Capacity (Max/ Nom)	kW	126.0 / 112.0	131.0 / 118.0	138.0 / 124.0	144.0 / 129.5	150.0 / 136.0
	Power Input (Max/ Nom)	kW	33.07 / 27.12	36.12/ 30.30	37.92 / 31.85	40.21 / 34.25	42.86 / 36.76
	COP (Max)	kW / kW	3.81	3.63	3.64	3.58	3.50
Ventilation	Air Flow Rate	m^3/min	534	496	563	592	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	68	68	69
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	9.80+9.80	9.20+10.60	9.80+10.60	10.60+10.60	10.60+10.60
Weight	Net Weight	kg	369+369	349+378	369+378	377+378	378+378
	Gross Weight	kg	393+393	371+402	393+402	401+402	402+402
Dimensions	External (HxWxD)	mm	1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing (HxWxD)	mm	1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			50HP	52HP	54HP	56HP
Model	Model		AER-CS1405CROU	AER-CS1480CROU	AER-CS1525CROU	AER-CS1600CROU
	Modules		AER-CS725CROU AER-CS680CROU	AER-CS800CROU AER-CS680CROU	AER-CS800CROU AER-CS725CROU	AER-CS800CROU AER-CS800CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	140.5	148.0	152.5	160.0
	Power Input	kW	42.51	44.85	46.15	48.48
	EER	kW / kW	3.31	3.30	3.30	3.30
Heating	Capacity (Max/ Nom)	kW	155.0 / 140.5	165.0 / 148.0	170.0 / 152.5	180.0 / 160.0
	Power Input (Max/ Nom)	kW	43.77 / 37.60	47.44/ 40.29	48.33 / 41.13	52.02 / 43.84
	COP (Max)	kW / kW	3.54	3.48	3.52	3.46
Ventilation	Air Flow Rate	m^3/min	646	646	700	700
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	10.60+11.50	10.60+11.50	11.50+11.50	11.50+11.50
Weight	Net Weight	kg	378+400	378+401	400+401	401+401
	Gross Weight	kg	402+426	402+427	426+427	427+427
Dimensions	External (HxWxD)	mm	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing (HxWxD)	mm	1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ41.3(1-5/8)
	High/Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ41.3(1-5/8)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ22.2(7/8)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			58HP	60HP	62HP	64HP
Model	Model		AER-CS1615CROU	AER-CS1680CROU	AER-CS1740CROU	AER-CS1800CROU
	Modules		AER-CS615CROU AER-CS500CROU AER-CS500CROU	AER-CS680CROU AER-CS500CROU AER-CS500CROU	AER-CS680CROU AER-CS560CROU AER-CS500CROU	AER-CS680CROU AER-CS560CROU AER-CS560CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
	Power Input	kW	46.11	46.80	50.18	51.72
	EER	kW / kW	3.50	3.59	3.47	3.48
Heating	Capacity (Max/ Nom)	kW	181.0 / 161.5	189.0 / 168.0	194.0 / 174.0	201.0 / 180.0
	Power Input (Max/ Nom)	kW	48.27 / 39.89	49.61/ 40.68	52.64 / 43.83	54.43 / 45.37
	COP (Max)	kW / kW	3.75	3.81	3.69	3.69
Ventilation	Air Flow Rate	m^3/min	696	801	763	830
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	9.20+9.20+10.60	9.80+9.80+9.80	9.20+9.80+10.60	9.80+9.80+10.60
Weight	Net Weight	kg	349+349+377	369+369+369	349+369+378	369+369+378
	Gross Weight	kg	371+371+401	393+393+393	371+393+402	393+393+402
Dimensions	External (HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1350+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750
	Packing (HxWxD)	mm	1930x (1275+1275+1420) x790	1930x (1420+1420+1420) x790	1930x (1275+1420+1420) x790	1930x (1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	High/Low Pressure Gas Line	mm(in.)	Φ41.3(1-5/8)	Φ41.3(1-5/8)	Φ41.3(1-5/8)	Φ41.3(1-5/8)
	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			66HP	68HP	70HP	72HP
Модель	Модель		AER-CS1860CROU	AER-CS1920CROU	AER-CS1975CROU	AER-CS2040CROU
	Комбінація модулів		AER-CS680CROU AER-CS680CROU AER-CS500CROU	AER-CS680CROU AER-CS680CROU AER-CS560CROU	AER-CS680CROU AER-CS680CROU AER-CS615CROU	AER-CS680CROU AER-CS680CROU AER-CS680CROU
	Живлення		AC 3Φ, 380-415V/50/60Hz			
Охолодження	Потужність	кВт	185.5	192.0	197.5	204.0
	Споживча потужність	кВт	54.18	56.73	59.23	61.82
	EER	кВт / кВт	3.42	3.38	3.33	3.30
Нагрів	Потужність (Макс./ Номінальна)	кВт	207.0 / 185.5	213.0 / 192.0	219.0 / 197.5	225.0 / 204.0
	Споживана потужність (Макс./Номінальна)	кВт	56.72 / 47.74	59.33 / 50.20	61.63 / 52.62	64.29 / 55.14
	COP (Макс.)	кВт / кВт	3.65	3.59	3.55	3.50
Вентилятор	Витрата повітря	м³/хв	859	859	888	888
	Кількість		6	6	6	6
	Статичний тиск	Па	110	110	110	110
Звук	Рівень звукового тиску	дБ(А)	70	70	70	71
Компресор	Тип	-	EVI спіральний компресор			
	Кількість	шт	6	6	6	6
Холодоагент	Тип	-	R410A			
	Заправлена к-сть.	кг	9.80+10.60+10.60	9.80+10.60+10.60	10.60+10.60+10.60	10.60+10.60+10.60
Вага	Нетто	кг	369+377+378	369+378+378	377+378+378	378+378+378
	Брутто	кг	393+401+402	393+402+402	401+402+402	402+402+402
Розміри	Габаритні (ВхШхГ)	мм	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750
	Упаковка (ВхШхГ)	мм	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790
Колір корпусу			Слонова кістка	Слонова кістка	Слонова кістка	Слонова кістка
Система рекуперації тепла	Газ низького тиску	мм(дюйм)	Φ44.5(1-3/4)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Газ високого / низького тиску	мм(дюйм)	Φ41.3(1-5/8)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Лінія рідини	мм(дюйм)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Система теплового насоса	Лінія подачі газу	мм(дюйм)	Φ44.5(1-3/4)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Лінія рідини	мм(дюйм)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Кількість вн. блоків, що підкл.	Кількість	шт	64	64	64	64
	Коефіцієнт підключення	-	200%*1	200%*1	200%*1	200%*1
Проектування трубопроводів	Перепад висот між зовн. і внутр. блоками	м (вище)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		м (нижче)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Перепад висот між внутрішніми блоками	м	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Макс. довжина трубопроводів	м	165	165	165	165
Робочий діапазон	Охолодження	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Нагрів	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			74HP	76HP	78HP	80HP
Model	Model		AER-CS2085CROU	AER-CS2130CROU	AER-CS2205CROU	AER-CS2280CROU
	Modules		AER-CS725CROU AER-CS680CROU AER-CS680CROU	AER-CS725CROU AER-CS725CROU AER-CS680CROU	AER-CS800CROU AER-CS725CROU AER-CS680CROU	AER-CS800CROU AER-CS800CROU AER-CS680CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	208.5	213.0	220.5	228.0
	Power Input	kW	63.11	64.41	66.75	69.09
	EER	kW / kW	3.30	3.31	3.30	3.30
Heating	Capacity (Max/ Nom)	kW	230.0 / 208.5	235.0 / 213.0	245.0 / 220.5	255.0 / 228.0
	Power Input (Max/ Nom)	kW	65.19 / 55.98	66.11 / 56.83	69.76 / 59.51	73.45 / 62.21
	COP (Max)	kW / kW	3.53	3.55	3.51	3.47
Ventilation	Air Flow Rate	m^3/min	942	996	996	996
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	71	71	71	71
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	10.60+10.60+11.50	10.60+11.50+11.50	10.60+11.50+11.50	10.60+11.50+11.50
Weight	Net Weight	kg	378+378+400	378+400+400	378+400+401	378+401+401
	Gross Weight	kg	402+402+426	402+426+426	402+426+427	402+427+427
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750
	Packing (HxWxD)	mm	1930x (1420+1420+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			82HP	84HP	86HP	88HP
Model	Model		AER-CS2325CROU	AER-CS2400CROU	AER-CS2415CROU	AER-CS2480CROU
	Modules		AER-CS800CROU AER-CS800CROU AER-CS725CROU	AER-CS800CROU AER-CS800CROU AER-CS800CROU	AER-CS680CROU AER-CS615CROU AER-CS560CROU AER-CS560CROU	AER-CS680CROU AER-CS680CROU AER-CS560CROU AER-CS560CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	232.5	240.0	241.5	248.0
	Power Input	kW	70.39	72.73	69.76	72.29
	EER	kW / kW	3.30	3.30	3.46	3.43
Heating	Capacity (Max/ Nom)	kW	260.0 / 232.5	270.0 / 240.0	270.0 / 241.5	276.0 / 248.0
	Power Input (Max/ Nom)	kW	74.33 / 63.05	78.03 / 65.75	73.24 / 61.26	75.83 / 63.69
	COP (Max)	kW / kW	3.50	3.46	3.69	3.64
Ventilation	Air Flow Rate	m^3/min	1050	1050	1126	1126
	Fan Quantity		6	6	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	8	8
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	11.50+11.50+11.50	11.50+11.50+11.50	9.80+9.80+10.60+10.60	9.80+9.80+10.60+10.60
Weight	Net Weight	kg	400+401+401	401+401+401	369+369+377+378	369+369+378+378
	Gross Weight	kg	426+427+427	427+427+427	393+393+401+402	393+393+402+402
Dimensions	External (HxWxD)	mm	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing (HxWxD)	mm	1930x (1665+1665+1665) x790	1930x (1665+1665+1665) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			90HP	92HP	94HP	96HP
Model	Model		AER-CS2535CROU	AER-CS2600CROU	AER-CS2655CROU	AER-CS2720CROU
	Modules		AER-CS680CROU AER-CS680CROU AER-CS615CROU AER-CS560CROU	AER-CS680CROU AER-CS680CROU AER-CS680CROU AER-CS560CROU	AER-CS680CROU AER-CS680CROU AER-CS680CROU AER-CS615CROU	AER-CS680CROU AER-CS680CROU AER-CS680CROU AER-CS680CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	253.5	260.0	265.5	272.0
	Power Input	kW	74.77	77.33	79.83	82.42
	EER	kW / kW	3.39	3.36	3.33	3.30
Heating	Capacity (Max/ Nom)	kW	282.0 / 253.5	288.0 / 260.0	294.0 / 265.5	300.0 / 272.0
	Power Input (Max/ Nom)	kW	78.12 / 66.09	80.75 / 68.56	83.06 / 71.00	85.71 / 73.51
	COP (Max)	kW / kW	3.61	3.57	3.54	3.50
Ventilation	Air Flow Rate	m^3/min	1155	1155	1184	1184
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	9.80+10.60+10.60+10.60	9.80+10.60+10.60+10.60	10.60+10.60+10.60+10.60	10.60+10.60+10.60+10.60
Weight	Net Weight	kg	369+377+378+378	369+378+378+378	377+378+378+378	378+378+378+378
	Gross Weight	kg	393+401+402+402	393+402+402+402	401+401+402+402	402+402+402+402
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing (HxWxD)	mm	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			98HP	100HP	102HP	104HP
Model	Model		AER-CS2765CROU	AER-CS2840CROU	AER-CS2885CROU	AER-CS2960CROU
	Modules		AER-CS725CROU AER-CS680CROU AER-CS680CROU AER-CS680CROU	AER-CS800CROU AER-CS680CROU AER-CS680CROU AER-CS680CROU	AER-CS800CROU AER-CS725CROU AER-CS680CROU AER-CS680CROU	AER-CS800CROU AER-CS800CROU AER-CS680CROU AER-CS680CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	276.5	284.0	289.5	296.0
	Power Input	kW	83.72	86.06	87.10	89.70
	EER	kW / kW	3.30	3.30	3.32	3.30
Heating	Capacity (Max/ Nom)	kW	305.0 / 276.5	315.0 / 284.0	324.0 / 289.5	330.0 / 296.0
	Power Input (Max/ Nom)	kW	86.62 / 74.36	90.29 / 77.05	92.19 / 78.05	94.87 / 80.59
	COP (Max)	kW / kW	3.52	3.49	3.51	3.48
Ventilation	Air Flow Rate	m^3/min	1238	1238	1292	1292
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	73
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	10.60+10.60+10.60+11.50	10.60+10.60+10.60+11.50	10.60+10.60+11.50+11.50	10.60+10.60+11.50+11.50
Weight	Net Weight	kg	378+378+378+400	378+378+378+401	377+378+401+401	378+378+401+401
	Gross Weight	kg	402+402+402+426	402+402+402+427	401+402+427+427	402+402+427+427
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing (HxWxD)	mm	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1665+1665) x790	1930x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CRF
Heat Recovery

HP			106HP	108HP	110HP	112HP
Model	Model		AER-CS3005CROU	AER-CS3080CROU	AER-CS3125CROU	AER-CS3200CROU
	Modules		AER-CS800CROU AER-CS800CROU AER-CS725CROU AER-CS680CROU	AER-CS800CROU AER-CS800CROU AER-CS800CROU AER-CS680CROU	AER-CS800CROU AER-CS800CROU AER-CS800CROU AER-CS725CROU	AER-CS800CROU AER-CS800CROU AER-CS800CROU AER-CS800CROU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	300.5	308.0	312.5	320.0
	Power Input	kW	90.99	93.33	94.63	96.97
	EER	kW / kW	3.30	3.30	3.30	3.30
Heating	Capacity (Max/ Nom)	kW	335.0 / 300.5	345.0 / 308.0	350.0 / 312.5	360.0 / 320.0
	Power Input (Max/ Nom)	kW	95.76 / 81.42	99.46 / 84.13	100.34 / 84.96	104.05 / 87.67
	COP (Max)	kW / kW	3.50	3.47	3.49	3.46
Ventilation	Air Flow Rate	m^3/min	1346	1346	1400	1400
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	73	73	73	73
Compressor	Type	-	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	10.60+11.50+11.50+11.50	10.60+11.50+11.50+11.50	11.50+11.50+11.50+11.50	11.50+11.50+11.50+11.50
Weight	Net Weight	kg	378+400+401+401	378+401+401+401	400+401+401+401	401+401+401+401
	Gross Weight	kg	402+426+427+427	402+427+427+427	426+427+427+427	427+427+427+427
Dimensions	External (HxWxD)	mm	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing (HxWxD)	mm	1930x (1420+1665+1665+1665) x790	1930x (1420+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Low pressure Gas Line	m (above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m (below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	High Difference Between ODU & IDU	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operating Range	Cooling	DB	-10°C~52°C	-10°C~52°C	-10°C~52°C	-10°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Notes::

1. Rated cooling capacity and rated heating capacity are tested in 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 difference: 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 difference: 0m.

2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3. The final appearance of outdoor units is subject to the actual products.

**1: If you have any questions,please contact our professional engineer.*

**2: For detailed information, please contact with Aerostar technical service.*

SWITCH BOX

Used for heat recovery systems to achieve simultaneous cooling and heating in a system, it is very important to realize installation flexibility and reduce costs.

Other

Advantage:

- Enrich the products (1,4,8,12,16) .
- Maximize capacity to 16kW or more.
- Require no drain pipes or drainage connections.
- Combine between single branch and multi-branch
- flexibility.
- Enable fewer connections, hooks and service parts for easy installation.

Switch BoxAerostar

Model				Single Branch		Multi Branch			
				HRB-N06XA	HRB-N10XA	HRBM-N04XA	HRBM-N08XA	HRBM-N12XA	HRBM-N16XA
Appearance									
Electrical		Power Supply	-	AC 1Φ, 220-240V/50/60Hz					
		Power Input	W	5	5	11.2	22.4	33.6	44.8
Maximum Total Capacity Index			kW	16	28	44.8	85	85	85
Number of Branches			-	1	1	4	8	12	16
Maximum Capacity Index per Branch			kW	-	-	16	16	16	16
Maximum Connectable Indoor Units per Branch			pcs	8	8	8	8	6	6
Dimmensions (H x W x D)			mm	191×301×214	191×301×214	260×303×352	260×543×352	260×783×352	260×1023×352
Refrigerant			-	R410A					
Refrigerant Piping	Outdoor Unit Side	Gas Line (High and Low Pressure Side)	mm (in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ22.20(7/8)	Φ22.20(7/8)	Φ25.40(1)	Φ28.58(1-1/8)
		Gas Line (Suction Gas)	mm (in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ25.40(1)	Φ28.58(1-1/8)	Φ28.58(1-1/8)	Φ31.75(1-1/4)
		Liquid Line	mm (in.)	Не передбачено	Не передбачено	Φ12.70(1/2)	Φ12.70(1/2)	Φ15.88(5/8)	Φ19.05(3/4)
	Indoor Unit Side	Gas Line	mm (in.)	Φ15.88(5/8)	Φ19.05(3/4)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)
		Liquid Line	mm (in.)	Не передбачено	Не передбачено	Φ9.52(3/8)	Φ9.52(3/8)	Φ9.52(3/8)	Φ9.52(3/8)
Net Weight			kg	6.3	6.4	14.1	25.2	35.5	46.7
Noise Level		Sound Pressure Level	dB (A)	33	33	31	31	34	34
		Max Sound	dB (A)	46	46	43	46	48	49

HYDRO BOX

SPECIFICATION FOR HYDRO BOX

Model			AER-CS80HB	AER-CS160HB
Power Supply			AC 1Φ, 220~ 240V/50Hz AC 1Φ, 220V/60Hz	
Cooling Capacity (A 35/24°C /W 12-7°C)			7.5	12.5
Heating Capacity (A 7/6°C /W 30-35°C)		kW	8	16
Power Input		kW	0.08(3.08)	0.14(3.14)
Dimensions	H×W×D	mm	890×520×320	890×520×320
Packing Dimensions	H×W×D	mm	1120×595×462	1120×595×462
Weight	Нетто	kg	55	58
	Брутто	kg	72	75
Heat Exchanger			Plate Heat Exchanger	
Water Production	Heating	°C	20 to 55	20 to 55
	DHW(with electric heater)	°C	35 to 75	35 to 75
	Cooling	°C	5 to 20	5 to 20
Sound Pressure		dB(A)	33	33
Sound Power		dB(A)	46	46
Piping Connections	Gas	mm	Φ15.88	Φ15.88
	Liquid	mm	Φ9.53	Φ9.53
Water Pump	Type		DC	
	Speed		Inverter Control	
	Pumping Head	m	12.5	12.5
	Pumping Head for Water Circuit		5	5
	Power Input	W	100	160
Booster Heating		kW	3	3
Water Filter	Diameter Perforations	mm	0.85	0.85
	Material		Hpb59-1	Hpb59-1
Water Circuit	Piping Connections Diameter	mm	G1-1/4"	G1-1/4"
	Shut off Valve		+	+
	Drain Valve		+	+
	Safety Valve	Bar	3	3
	Air Purge Valve		+	+
Nominal Water		m^3/h	1.38	2.75
Expansion Vessel	Volume	L	8	8
	Max. Water Pressure	Бар	3	3

OPERATION RANGE

Indoor Unit Cooling

	Maximum	Minimum
Indoor	32°C DB / 23°C WB	21°C DB / 15°C WB
Outdoor	52°C DB*	-10°C DB

Indoor Unit Heating

	Maximum	Minimum
Indoor	27°C DB	15°C DB
Outdoor	16.5°C WB	-25°C WB**

Hydro Box Cooling

	Maximum	Minimum
Inlet Water	25°C	10°C
Outdoor	48°C DB	10°C DB

Hydro Box Heating

	Maximum	Minimum
Inlet Water	54°C	10°C
Outdoor	16.5°C WB	-25°C WB**

Hydro Box Heating (DHW)

	Maximum	Minimum
Inlet Water	54°C	10°C
Outdoor	43°C WB	-25°C WB**

DB: Dry Bulb
WB: т Wet Bulb

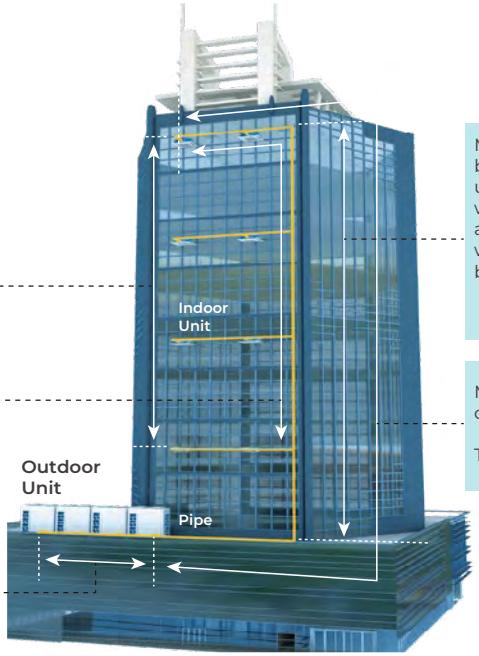
(*) 48°C DB ~ 52°C DB, Operation Control Range
(**) -20°C WB ~ -25°C WB, Operation Control Range

AEROSTAR

CHF series

EXTRA LONG PIPE DESIGN

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters*, which makes installation more flexible.



Maximum height difference of indoor units: 15m(30m*)

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Largest pipe length between outdoor units: 10m

Maximum height difference between indoor and outdoor units:
when the outdoor unit is above: 50m(90m*)
when the outdoor unit is below: 40m(90m*)

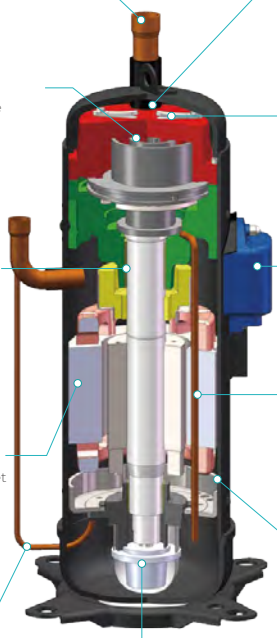
Maximun actural length of a single pipe: 165m

Total length of pipes: 1000m

Note:
For detailed information, please contact Aerostar's technical staff.

HIGH-EFFICIENCY COMPRESSOR

CHF series adopts a new generation of scroll compressor, and it has an excellent mechanism called as FCM (Frame Compliant Mechanism) which will optimally increase the performance of the whole compressor, especially for operation under low load.



1. **Direct suction**
   Higher volumetric efficiency.
2. **Asymmetric Scroll**
   Reduce the leakage loss of the compressor, and enhance the efficiency and reliability.
3. **Reliable bearing**
   Adopt high-reliability slide bearing, better bearing capacity, lower noise and higher reliability.
4. **High-efficiency Motor**
   Rare-earth permanent magnet motor with specially designed structure.
5. **Oil Balance Tube**
   High reliability by oil balance between multiple compressors.
6. **No-return valve design**
   Increase the efficiency and enhance the reliability under large-load operation.
7. **Pressure relief valve design**
   Increase the efficiency and enhance the reliability under large-load operation.
8. **Terminal cover of power supply**
   Ensure stable and firm wire connection with higher protection level.
9. **Internal oil separator tube**
   Achieve internal circulation of lubricating oil, reducing overheat loss and the oil discharge rate.
10. **High-pressure chamber structure**
    Large exhaust buffer chamber to reduce airflow noise and vibration during operation.
11. **High Reliable Oil Supply System**
    Sufficient oil supply is ensured according to the oil pressure difference even at low speed and partial load conditions.

CHF Series

HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AER-CS224CHOU	AER-CS280CHOU	AER-CS335CHOU	AER-CS400CHOU	AER-CS450CHOU	AER-CS500CHOU
	Modules		———	———	———	———	———	———
	Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45	50.0
	Power Input	kW	4.79	6.60	7.96	10.34	12.26	14.04
	EER	kW / kW	4.68	4.24	4.21	3.87	3.67	3.56
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
	Power Input	kW	5.13	6.79	8.50	10.84	12.20	14.81
	COP	kW / kW	4.87	4.64	4.41	4.15	4.10	3.78
Ventilation	Air Flow Rate	m³/min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	56	57	59	59	60	61
	Night Shift Mode	dB(A)	41	42	44	44	45	46
Compressor	Type	-	Scroll Compressor					
	Compressor Quantity	pcs	1	1	1	1	1	1
Refrigerant	Type	-	R410A					
	Pre-charged Quantity	kg	5.3	5.3	6.2	8.0	8.0	9.6
Weight	Net Weight	kg	217	219	223	272	273	296
	Gross Weight	kg	246	248	252	306	307	330
Dimensions	External (HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing (HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790	1950x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60	Φ28.60
		inch	3/4	7/8	1	1	1-1/8	1-1/8
	Liquid	mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70	Φ12.70	Φ15.88
		inch	3/8	3/8	1/2	1/2	1/2	5/8
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AER-CS560CHOU	AER-CS615CHOU	AER-CS680CHOU	AER-CS725CHOU	AER-CS800CHOU
	Modules		———	———	———	———	———
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80
	Power Input	kW	15.38	17.83	19.88	20.83	24.10
	EER	kW / kW	3.64	3.45	3.42	3.48	3.32
Heating	Capacity	kW	63.0	69.0	75.0	80.0	90.0
	Power Input	kW	16.36	18.70	20.72	21.98	25.57
	COP	kW / kW	3.85	3.69	3.62	3.64	3.52
Ventilation	Air Flow Rate	m³/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	62	63	63	64	64
	Night Shift Mode	dB(A)	47	48	48	49	49
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	1	2	2	2	2
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	10.3	12.2	12.2	12.0	12.0
Weight	Net Weight	kg	316	363	365	391	392
	Gross Weight	kg	347	400	402	433	434
Dimensions	External (HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing (HxWxD)	mm	1950x1420x790	1950x1420x790	1950x1420x790	1950x1665x790	1950x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ28.60	Φ28.60	Φ28.60	Φ31.75	Φ31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4
	Liquid	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05
		inch	5/8	5/8	5/8	3/4	3/4
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

HP			30HP	32HP	34HP	36HP
Model	Model		AER-CS850CHOU	AER-CS900CHOU	AER-CS950CHOU	AER-CS1000CHOU
	Modules		AER-CS450CHOU AER-CS400CHOU	AER-CS450CHOU AER-CS450CHOU	AER-CS500CHOU AER-CS450CHOU	AER-CS500CHOU AER-CS500CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	85.0	90.0	95.0	100.0
	Power Input	kW	22.66	24.25	26.31	28.09
	EER	kW / kW	3.76	3.67	3.61	3.56
Heating	Capacity	kW	95.0	100.0	106.0	112.0
	Power Input	kW	23.04	24.39	27.01	29.63
	COP	kW / kW	4.12	4.10	3.92	3.78
Ventilation	Air Flow Rate	m^3/min	400	400	400	400
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	64	64	64	64
	Night Shift Mode	dB(A)	49	49	49	49
Compressor	Type	-	Scroll Compressor			
	Compressor Quantity	pcs	2	2	2	2
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	8.0+8.0	8.0+8.0	8.0+9.6	9.6+9.6
Weight	Net Weight	kg	272+273	273+273	273+296	296+296
	Gross Weight	kg	306+307	307+307	307+330	330+330
Dimensions	External (HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750
	Packing (HxWxD)	mm	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ31.75	Φ31.75	Φ38.10	Φ38.10
		inch	1-1/4	1-1/4	1-1/2	1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	49	52	55	59
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

EUROVENT CERTIFIED PERFORMANCE
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HP			38HP	40HP	42HP	44HP	46HP
Model	Model		AER-CS1060CHOU	AER-CS1120CHOU	AER-CS1180CHOU	AER-CS1240CHOU	AER-CS1295CHOU
	Modules		AER-CS560CHOU AER-CS500CHOU	AER-CS560CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS615CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	106.0	112.0	118.0	124.0	129.5
	Power Input	kW	29.43	30.77	33.93	35.27	37.71
	EER	kW / kW	3.60	3.64	3.48	3.52	3.43
Heating	Capacity	kW	119.0	126.0	131.0	138.0	144.0
	Power Input	kW	31.18	32.73	35.53	37.08	39.42
	COP	kW / kW	3.82	3.85	3.69	3.72	3.65
Ventilation	Air Flow Rate	m³/min	467	496	496	563	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	65	65	65	66	66
	Night Shift Mode	dB(A)	50	50	50	51	51
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	9.6+10.3	10.3+10.3	9.6+12.2	10.3+12.2	12.2+12.2
Weight	Net Weight	kg	296+316	316+316	296+365	316+365	363+365
	Gross Weight	kg	330+347	347+347	330+402	347+402	400+402
Dimensions	External (HxWxD)	mm	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing (HxWxD)	mm	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ38.10	Φ38.10	Φ38.10	Φ38.10	Φ41.30
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-5/8
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.20
		inch	3/4	3/4	3/4	3/4	7/8
Connectable Indoor Units	Quantity	pcs	62	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90')	50(90')	50(90')	50(90')	50(90')
		m (below)	40(90')	40(90')	40(90')	40(90')	40(90')
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

EUROVENT CERTIFIED PERFORMANCE
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HP			48HP	50HP	52HP	54HP	56HP
Model	Model		AER-CS1360CHOU	AER-CS1405CHOU	AER-CS1480CHOU	AER-CS1525CHOU	AER-CS1600CHOU
	Modules		AER-CS680CHOU AER-CS680CHOU	AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS725CHOU	AER-CS800CHOU AER-CS800CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	136.0	140.5	148.0	152.5	160.0
	Power Input	kW	39.77	40.72	43.98	44.93	48.19
	EER	kW / kW	3.42	3.45	3.37	3.39	3.32
Heating	Capacity	kW	150.0	155.0	165.0	170.0	180.0
	Power Input	kW	41.44	42.70	46.29	47.55	51.14
	COP	kW / kW	3.62	3.63	3.56	3.58	3.52
Ventilation	Air Flow Rate	m³/min	592	646	646	700	700
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	66	67	67	67	67
	Night Shift Mode	dB(A)	51	52	52	52	52
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.2	12.2+12.0	12.2+12.0	12.0+12.0	12.0+12.0
Weight	Net Weight	kg	365+365	365+391	365+392	391+392	392+392
	Gross Weight	kg	402+402	402+433	402+434	433+434	434+434
Dimensions	External (HxWxD)	mm	1730x (1350+1350) x750	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1420) x790	1950x (1420+1665) x790	1950x (1420+1665) x790	1950x (1665+1665) x790	1950x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ41.30	Φ41.30	Φ41.30	Φ41.30	Φ41.30
		inch	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm	Φ22.20	Φ22.20	Φ22.20	Φ22.20	Φ22.20
		inch	7/8	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

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HP			58HP	60HP	62HP	64HP
Model	Model		AER-CS1615CHOU	AER-CS1680CHOU	AER-CS1740CHOU	AER-CS1800CHOU
	Modules		AER-CS615CHOU AER-CS500CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS500CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS560CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS560CHOU AER-CS560CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
	Power Input	kW	45.92	47.97	49.31	50.65
	EER	kW / kW	3.52	3.50	3.53	3.55
Heating	Capacity	kW	181.0	187.0	194.0	201.0
	Power Input	kW	48.33	50.35	51.90	53.45
	COP	kW / kW	3.75	3.71	3.74	3.76
Ventilation	Air Flow Rate	m^3/min	696	696	763	792
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	67	67
	Night Shift Mode	dB(A)	52	52	52	52
Compressor	Type	-	Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	9.6+9.6+12.2	9.6+9.6+12.2	9.6+10.3+12.2	10.3+10.3+12.2
Weight	Net Weight	kg	296+296+363	296+296+365	296+316+365	316+316+365
	Gross Weight	kg	330+330+400	330+330+402	330+347+402	347+347+402
Dimensions	External (HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1210+1210+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750
	Packing (HxWxD)	mm	1950x (1275+1275+1420) x790	1950x (1275+1275+1420) x790	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5
		inch	1-3/4	1-3/4	1-3/4	1-3/4
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
		inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

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HP			66HP	68HP	70HP	72HP	74HP
Model	Model		AER-CS1860CHOU	AER-CS1920CHOU	AER-CS1975CHOU	AER-CS2040CHOU	AER-CS2085CHOU
	Modules		AER-CS680CHOU AER-CS680CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS615CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS725CHOU AER-CS680CHOU AER-CS680CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	186.0	192.0	197.5	204.0	208.5
	Power Input	kW	53.81	55.15	57.59	59.65	60.60
	EER	kW / kW	3.46	3.48	3.43	3.42	3.44
Heating	Capacity	kW	206.0	213.0	219.0	225.0	230.0
	Power Input	kW	56.25	57.80	60.14	62.15	63.41
	COP	kW / kW	3.66	3.69	3.64	3.62	3.63
Ventilation	Air Flow Rate	m³/min	792	859	888	888	942
	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	68	68	68
	Night Shift Mode	dB(A)	52	52	53	53	53
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	5	5	6	6	6
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	9.6+12.2+12.2	10.3+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.0
Weight	Net Weight	kg	296+365+365	316+365+365	363+365+365	365+365+365	365+365+391
	Gross Weight	kg	330+402+402	347+402+402	400+402+402	402+402+402	402+402+433
Dimensions	External (HxWxD)	mm	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1600) x750
	Packing (HxWxD)	mm	1950x (1275+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	1-3/4	2	2	2	2
	Liquid	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	7/8	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*)	50(90*)	50(90*)	50(90*)	50(90*)
		m (below)	40(90*)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

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HP			76HP	78HP	80HP	82HP	84HP
Model	Model		AER-CS2130CHOU	AER-CS2205CHOU	AER-CS2280CHOU	AER-CS2325CHOU	AER-CS2400CHOU
	Modules		AER-CS725CHOU AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS725CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	213.0	220.5	228.0	232.5	240.0
	Power Input	kW	61.55	64.81	68.08	69.03	72.29
	EER	kW / kW	3.46	3.40	3.35	3.37	3.32
Heating	Capacity	kW	235.0	245.0	255.0	260.0	270.0
	Power Input	kW	64.67	68.26	71.85	73.11	76.70
	COP	kW / kW	3.63	3.59	3.55	3.56	3.52
Ventilation	Air Flow Rate	m^3/min	996	996	996	1050	1050
	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	68	68	68	69	69
	Night Shift Mode	dB(A)	53	53	53	54	54
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	6	6	6	6	6
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.0+12.0	12.2+12.0+12.0	12.0+12.0+12.2	12.0+12.0+12.0	12.0+12.0+12.0
Weight	Net Weight	kg	365+391+391	365+391+392	392+392+365	392+392+391	392+392+392
	Gross Weight	kg	402+433+433	402+433+434	434+434+402	434+434+433	434+434+434
Dimensions	External (HxWxD)	mm	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1600+1600+1350) x750	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1665+1665+1420) x790	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

HP			86HP	88HP	90HP	92HP
Model	Model		AER-CS2415CHOU	AER-CS2480CHOU	AER-CS2535CHOU	AER-CS2600CHOU
	Modules		AER-CS680CHOU AER-CS615CHOU AER-CS560CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS560CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS615CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU AER-CS560CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	241.5	248.0	253.5	260.0
	Power Input	kW	68.48	70.54	72.98	75.03
	EER	kW / kW	3.53	3.52	3.47	3.47
Heating	Capacity	kW	270.0	276.0	282.0	288.0
	Power Input	kW	72.14	74.16	76.50	78.52
	COP	kW / kW	3.74	3.72	3.69	3.67
Ventilation	Air Flow Rate	m^3/min	1126	1126	1155	1155
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	69
	Night Shift Mode	dB(A)	54	54	54	54
Compressor	Type	-	Scroll Compressor			
	Compressor Quantity	pcs	6	6	7	7
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	10.3+10.3+12.2+12.2	10.3+10.3+12.2+12.2	10.3+12.2+12.2+12.2	10.3+12.2+12.2+12.2
Weight	Net Weight	kg	316+316+363+365	316+316+365+365	316+363+365+365	316+365+365+365
	Gross Weight	kg	347+347+400+402	347+347+402+402	347+400+402+402	347+402+402+402
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing (HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*[1])	50(90*[1])	50(90*[1])	50(90*[1])
		m (below)	40(90*[1])	40(90*[1])	40(90*[1])	40(90*[1])
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range[2]	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

HP			94HP	96HP	98HP	100HP	102HP
Model	Model		AER-CS2655CHOU	AER-CS2720CHOU	AER-CS2765CHOU	AER-CS2840CHOU	AER-CS2885CHOU
	Modules		AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU AER-CS615CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS725CHOU AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS725CHOU AER-CS680CHOU AER-CS680CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	265.5	272.0	276.5	284.0	288.5
	Power Input	kW	77.48	79.53	80.48	83.75	84.70
	EER	kW / kW	3.43	3.42	3.44	3.39	3.41
Heating	Capacity	kW	294.0	300.0	305.0	315.0	320.0
	Power Input	kW	80.85	82.87	84.13	97.72	88.98
	COP	kW / kW	3.64	3.62	3.63	3.59	3.60
Ventilation	Air Flow Rate	m³/min	1184	1184	1238	1238	1292
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	70	70
	Night Shift Mode	dB(A)	54	54	54	55	55
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.0	12.2+12.2+12.2+12.0	12.2+12.2+12.0+12.0
Weight	Net Weight	kg	363+365+365+365	365+365+365+365	365+365+365+391	365+365+365+392	365+365+391+392
	Gross Weight	kg	400+402+402+402	402+402+402+402	402+402+402+433	402+402+402+434	402+402+433+434
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series

HP			104HP	106HP	108HP	110HP	112HP
Model	Model		AER-CS2960CHOU	AER-CS3005CHOU	AER-CS3080CHOU	AER-CS3125CHOU	AER-CS3200CHOU
	Modules		AER-CS800CHOU AER-CS800CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU AER-CS725CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	296.0	300.5	308.0	312.5	320.0
	Power Input	kW	87.96	88.91	92.17	93.12	96.39
	EER	kW / kW	3.37	3.38	3.34	3.36	3.32
Heating	Capacity	kW	330.0	335.0	345.0	350.0	360.0
	Power Input	kW	92.57	93.83	97.42	98.68	102.27
	COP	kW / kW	3.56	3.57	3.54	3.55	3.52
Ventilation	Air Flow Rate	m^3/min	1292	1346	1346	1400	1400
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	70	70	70	70	70
	Night Shift Mode	dB(A)	55	55	55	55	55
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.2+12.0+12.0	12.2+12.0+12.0+12.0	12.2+12.0+12.0+12.0	12.0+12.0+12.0+12.0	12.0+12.0+12.0+12.0
Weight	Net Weight	kg	365+365+392+392	365+391+392+392	365+392+392+392	391+392+392+392	392+392+392+392
	Gross Weight	kg	400+402+434+434	402+433+434+434	402+434+434+434	433+434+434+434	434+434+434+434
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1420+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*)	50(90*)	50(90*)	50(90*)	50(90*)
		m (below)	40(90*)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

Notes:
1. Rated cooling capacity and rated heating capacity are tested in 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 difference: 0m.
Heating conditions: indoor air inlet temperature: 20°C DB,
outdoor air inlet temperature: 7°C DB 6°CWB, pipe length: 7.5m,
pipe height difference: 0m.

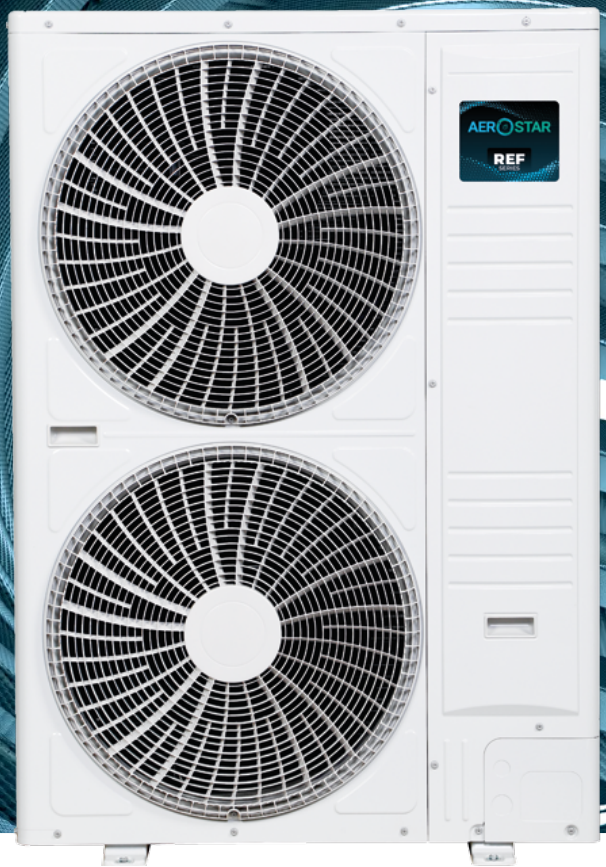
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3. The final appearance of outdoor units is subject to the actual products. If you have any questions,please contact our professional engineer.

For detailed information, please contact with Aerostar technical service.

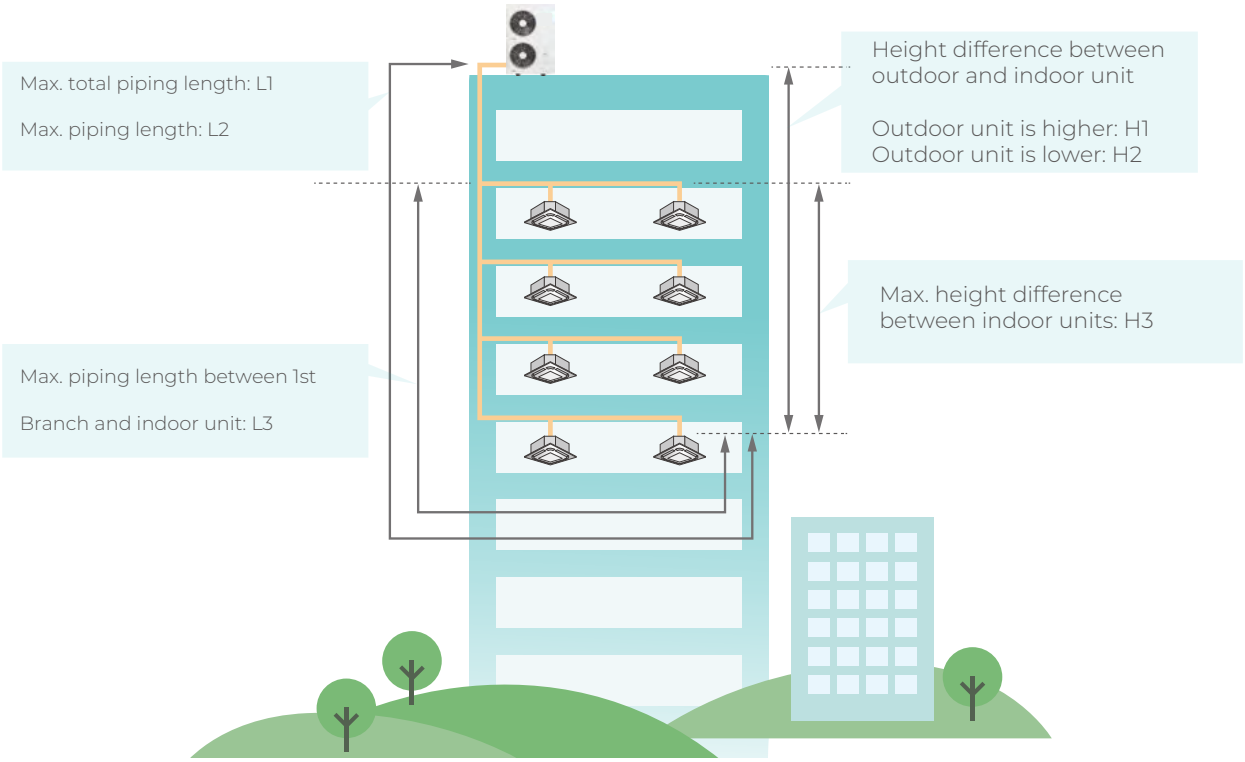
AEROSTAR

REF series

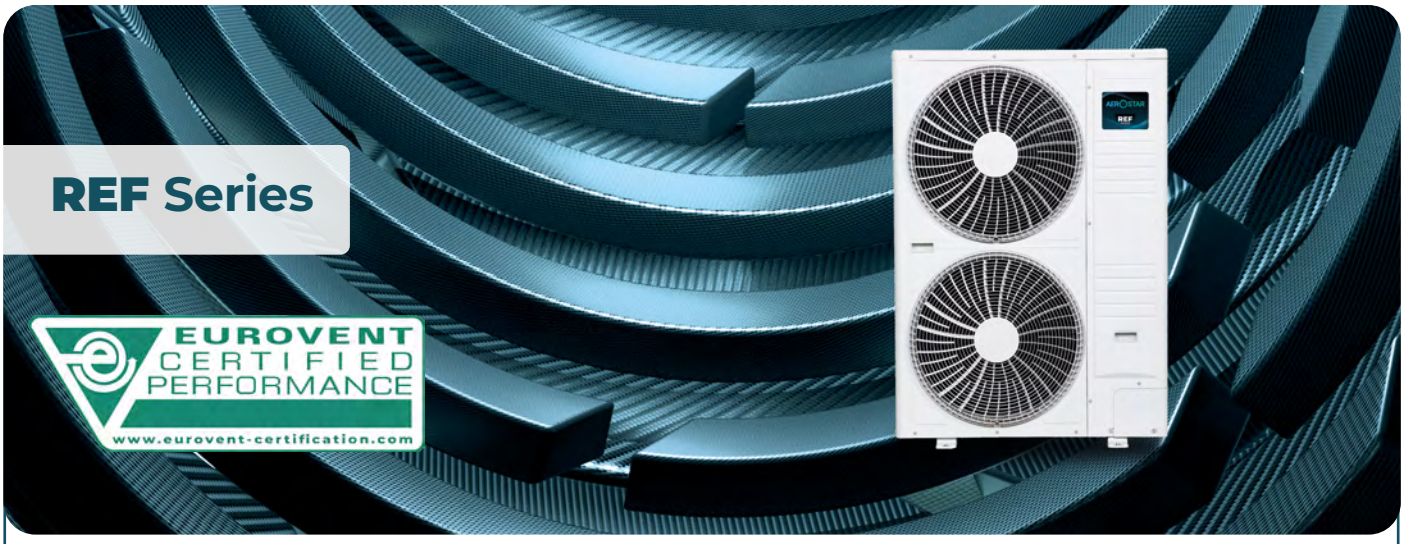


EXCELLENT PIPING LENGTH

Increased piping length allows for flexible design and installation. Aerostar inverter technology and two-level cooling technology allows longer piping length and outstanding height ifferences. The air-conditioning system can be implemented more flexibly.



Power supply		AC 1Φ, 220-240V/ 50/60Hz	AC 3Φ, 380-415V/ 50/60Hz	AC 3Φ, 380-415V/ 50/60Hz
HP		4/5/6HP	8HP	10/12HP
				
Max. total piping length L1		120	150	250
Max. piping length L2		75	100	100
Max. length between the first branch pipe and the farthest indoor unit L3		30	30	40
Height difference between ODU & IDU	Outdoor unit is higher H1	30	50	50
	Outdoor unit is lower H2	30	40	40
Height difference between IDUs H3		10	15	15



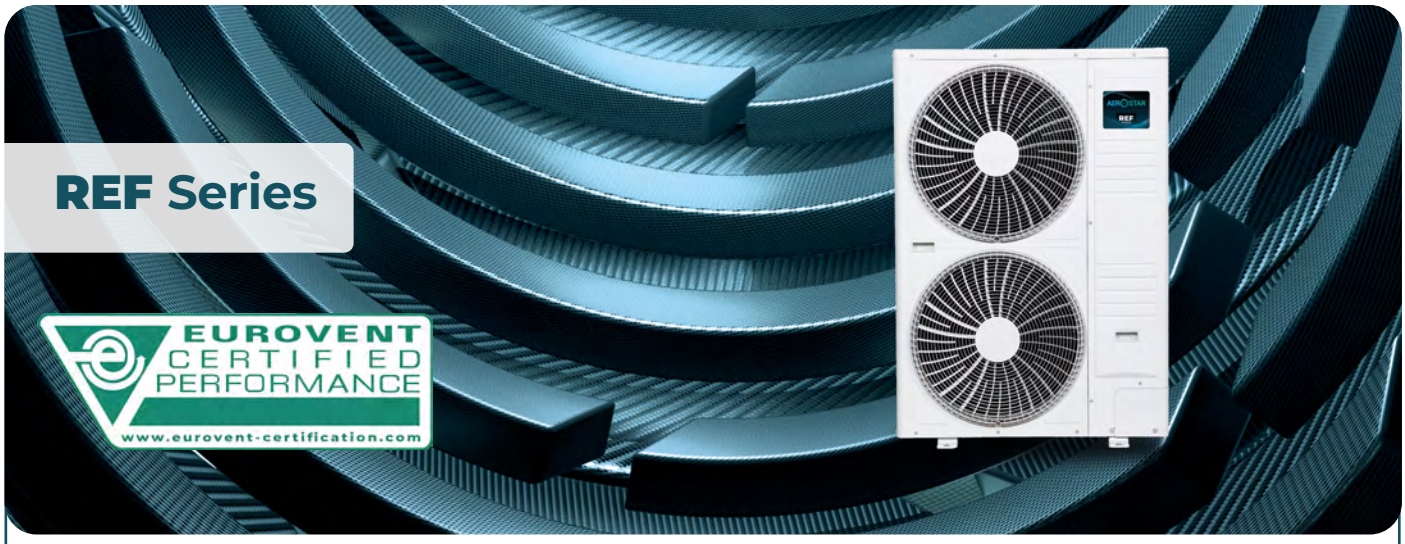
HP			4HP	5HP	6HP
	Model		AER-CS112REOUV	AER-CS140REOUV	AER-CS155REOUV
	Power Supply			AC 1Φ, 220-240V/50/60Hz	
Cooling	Capacity	kW	11.2	14.0	15.5
	Power Input	kW	2.60	3.46	4.21
	EER	kW / kW	4.31	4.05	3.68
Heating	Capacity	kW	12.5	16.0	18.0
	Power Input	kW	2.78	3.71	4.47
	COP	kW / kW	4.50	4.31	4.03
Ventilation	Air Flow Rate	m³/min	90.0	90.0	100.0
Sound	Sound Pressure Level (Cooling/ Heating)	dB(A)	50/52	52/54	53/55
Compressor	Type	-		Twin Rotary	
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	3.8	3.8	4.1
Weight	Net Weight	kg	93	95	97
	Gross Weight	kg	111	111	111
Dimensions	External(HxWxD)	mm	1380x950x370	1380x950x370	1380x950x370
	Packing(HxWxD)	mm	1531x1070x515	1531x1070x515	1531x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	9	11	11
	Total Capacity	-	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU & IDU	m	30	30	30
		m	30	30	30
	Height Difference Between IDUs	m	10	10	10
	Max. Piping Length	m	75	75	75
Operation Range	Cooling	DB	-5°C~46°C	-5°C~46°C	-5°C~46°C
	Heating	WB	-20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

Notes:

Rated cooling capacity and rated heating capacity are tested in 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 difference: 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 difference: 0m.

The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.



HP			8HP	10HP	12HP
	Model		AER-CS224REOU	AER-CS280REOU	AER-CS335REOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5
	Power Input	kW	6.37	7.75	10.30
	SEER	kW / kW	6.62	6.85	6.29
	EER	kW / kW	3.52	3.61	3.25
Heating	Capacity	kW	25.0	31.5	37.5
	Power Input	kW	5.84	7.00	10.00
	SCOP	kW / kW	4.10	4.21	3.98
	COP	kW / kW	4.28	4.50	3.75
Ventilation	Air Flow Rate	m^3/min	127.0	150.0	163.0
Sound	Sound Pressure Level (Cooling/ Heating)	dB(A)	57/58	58/59	59/60
Compressor	Type	-		Twin Rotary	
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	5.63	5.50	6.50
Weight	Net Weight	kg	124	145	158
	Gross Weight	kg	139	161	175
Dimensions	External(HxWxD)	mm	1380x950x370	1650x1100x390	1650x1100x390
	Packing(HxWxD)	mm	1531x1070x515	1806x1185x530	1806x1185x530
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.2	Φ25.4
		inch	3/4	7/8	1
	Liquid	mm	Φ9.53	Φ12.7	Φ12.7
		inch	3/8	1/2	1/2
Connectable Indoor Units	Quantity	pcs	15	17	19
	Total Capacity	-	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU & IDU	m	50	50	50
		m	40	40	40
	Height Difference Between IDUs	m	15	15	15
	Max. Piping Length	m	100	100	100
	Total Piping Length	m	150	250	250
Operation Range	Cooling	DB	-5°C~50°C	-5°C~50°C	-5°C~50°C
	Heating	WB	-20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

AEROSTAR

INDOOR UNIT

- 4-Way Cassette Type / Mini 4-Way Cassette Type
- 1-Way Cassette Type
- 2-Way Cassette Type
- Console Type
- Ceiling Ducted Type AC/DC
- Ceiling Ducted Type (High/Low Static Pressure)
- Wall Mounted Type
- Ceiling & Floor Type
- AHU Connection KIT

INDOOR UNIT FEATURE OVERVIEW

kBtu/h		5	7	9	12	14	15	17	19	22	24	27	30	38	48	54	76	96
kW		1.7	2.2	2.8	3.6	4	4.5	5	5.6	6.3	7.1	8	9	11.2	14	16	22.4	28
4-Way Cassette Type				●	●		●		●	●	●	●	●	●	●	●		
Mini 4-Way Cassette Type		●	●	●	●		●	●	●									
1-Way Cassette Type			●	●	●	●					●							
2-Way Cassette Type			●	●	●	●					●	●	●	●	●	●		
Console Type		●	●	●	●		●	●										
Ceiling Ducted Type AC		●	●	●	●		●	●	●	●	●							
Ceiling Ducted Type DC		●	●	●	●		●		●		●							
Ceiling Ducted Type (High Static Pressure)			●	●	●		●		●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low Static Pressure)			●	●	●		●		●	●	●	●	●	●	●	●		
Wall Mounted Type		●	●	●	●		●				●	●						
Ceiling & Floor Type								●		●	●	●	●	●	●			

Note:

For more details, check each unit's respective pages.

Type	Accessories								
	Drain Pump (built-in)	3D Airflow Panel	Filter	Humudity Sensor	AirPure Kit	Motion Sensor (built-in))	Hi-Motion	Outlet Air Temp Sensor	Float Switch
4-Way Cassete Type	●	×	●	○	○	○	○	●	●
Mini 4-Way Cassete Type	●	×	●	○	○	○	○	×	●
1-Way Cassete Type	●	×	●	×	×	×	○	●	●
2-Way Cassete Type	●	×	●	×	×	×	○	●	●
Console Type	×	×	●	○	○	×	○	×	×
Celling Ducted Type AC	●	×	●	○	○	×	○	×	●
Celling Ducted Type DC	●	×	●	○	○	×	○	×	●
Celling Type DC (BCT) CS22D~CS160D	○	×	●	○	○	×	○	×	●
Celling Type DC (BCT) CS224D – CS280D	×	×	○	×	×	×	○	●	●
Celling Type (HCT) CS22D~CS160D	○	×	●	○	○	×	○	×	●
Wall Mounted Type	×	×	●	○	×	×	○	●	×
Celling & Floor Type	×	×	●	×	×	×	○	●	×

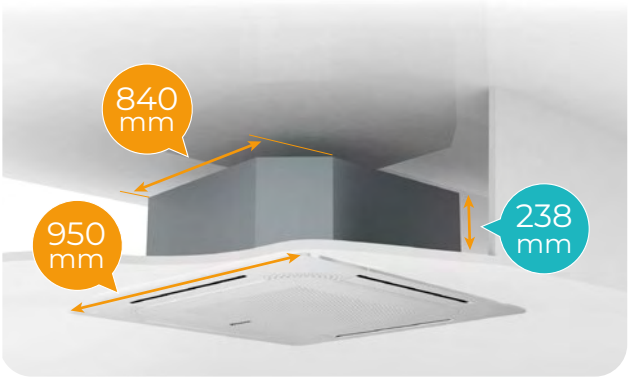
Remarks: Standart: ● Optional: ○ Incompatible: ×

Type	Features										
	Dry Contact Input	Windows Linkage	Dry Contact Output	Fresh Air Intake	Sleep Mode	Quiet Mode	ECO	Individual Louver Control	Breeze Mode	Self Cleaning	Auto Fan Speed
4-Way Cassete Type	●	×	●	●	●	●	●	●	●	×	×
Mini 4-Way Cassete Type	●	×	●	●	●	●	●	●	●	×	×
1-Way Cassete Type	●	×	●	●	●	●	●	×	×	×	●
2-Way Cassete Type	●	×	●	●	●	×	×	●	×	×	●
Console Type	●	×	●	●	●	●	●	×	×	×	×
Celling Ducted Type AC	●	●	●	●	●	●	●	×	×	×	×
Celling Ducted Type DC	●	●	●	●	●	●	●	×	×	×	×
Celling Type (BCT) CS22D~CS160D	●	●	●	●	×	×	●	×	×	×	×
Celling Type (BCT) CS224D – CS280D	●	×	●	×	●	×	●	×	×	×	×
Celling Type (HCT) CS22D~CS160D	●	●	●	●	×	×	●	×	×	×	×
Wall Mounted Type	●	●	●	×	●	●	●	×	×	●	●
Celling & Floor Type	●	×	●	×	×	×	×	×	×	×	×

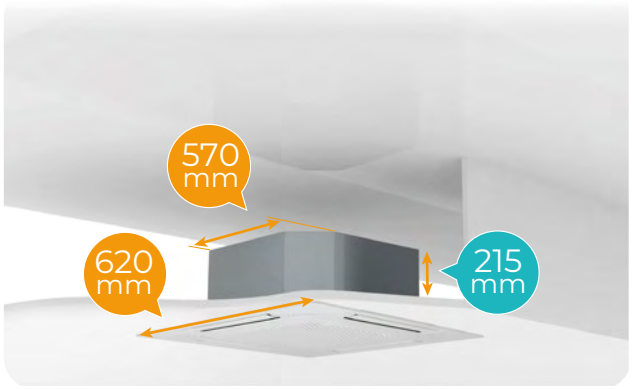
Remarks: Standart: ● Optional: ○ Incompatible: ×

COMPACT AND CLASSY DESIGN

The 4-way cassette is as slim as 238mm, and the mini 4-way cassettes are only 215mm, making them suitable for narrow ceiling spaces. And the newly designed panel seamlessly integrates with indoor aesthetics.



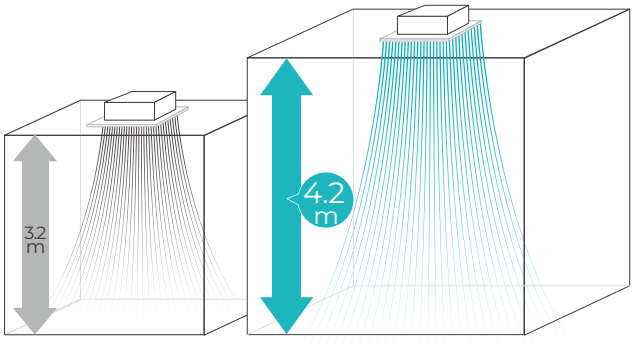
4-way Cassette Type



Mini 4-way Cassette Type

HIGHER INSTALLATION

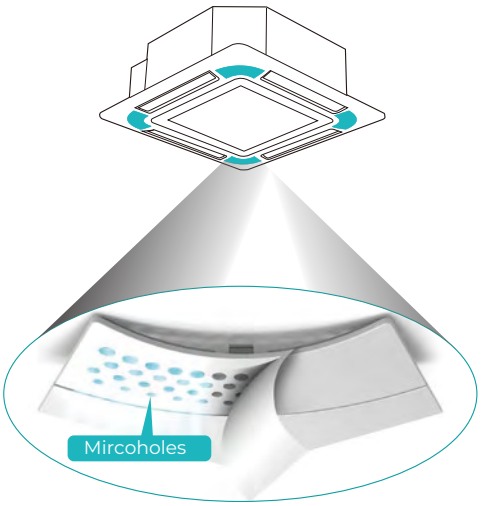
Air from the cassette can flow down from ceiling heights as high as 4.2m. And it's suitable for working with motion sensors.



Other Aerostar

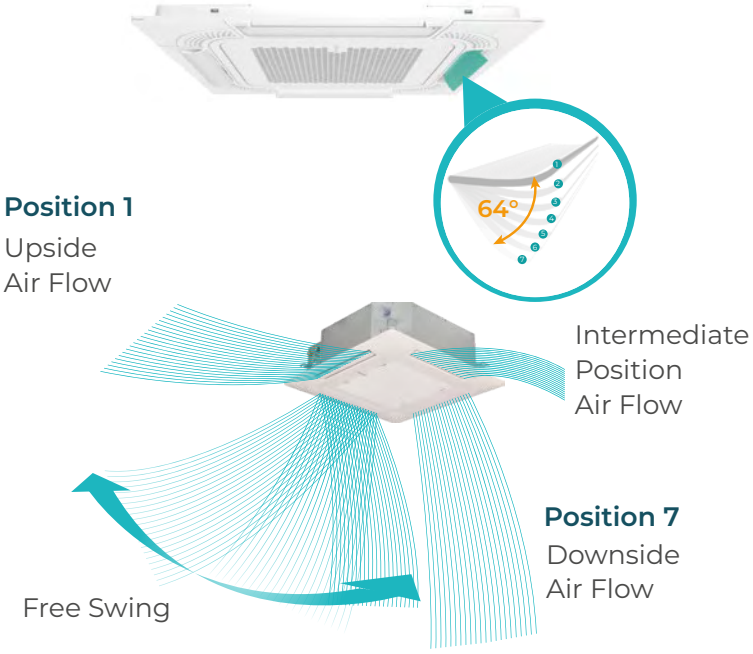
BREEZE MODE

Under the new designed breeze mode, the cold air is blown out from the microholes in the panel, and the unit is working in a mute mode, which can avoid blowing air directly on people and achieve more even and comfortable airflow.



INDIVIDUAL LOUVERS CONTROL

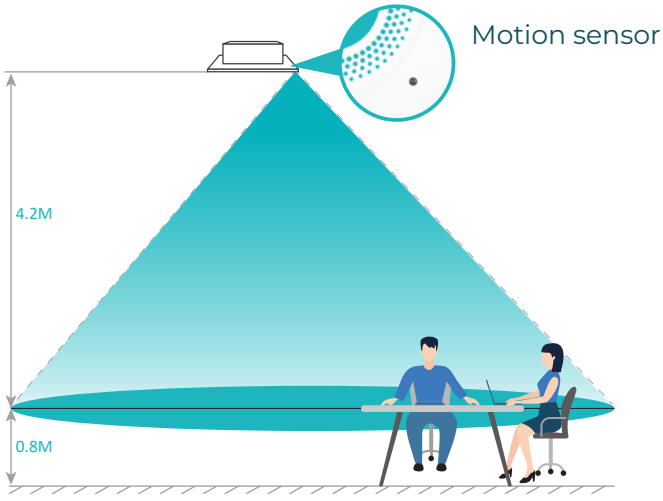
4-way cassettes louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layout. Each louvers have 7 angle settings and maximum angle reach at 65°

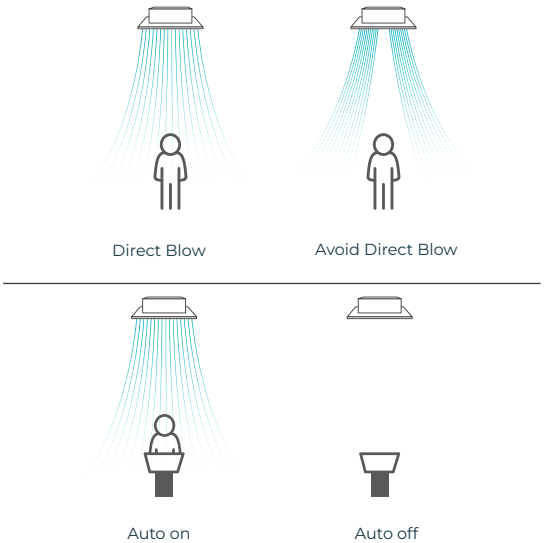


MOTION SENSOR

The sensor senses the presence of people to automatically turn the cassette unit on or off and whether to direct airflow towards or avoiding humans depend settings set on the controller.

During crowded times, the setting temperature is automatically lowered down and vise versa.





4-Way Cassette Type

Model				AER-CS28 CT4W	AER-CS36 CT4W	AER-CS45 CT4W	AER-CS56 CT4W	AER-CS63 CT4W	AER-CS71 CT4W	AER-CS80 CT4W	AER-CS90 CT4W	AER-CS112 CT4W	AER-CS140 CT4W	AER-CS160 CT4W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz										
Capacity	Cooling		kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
	Heating		kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
Power Input	Cooling		W	20	30	40	50	50	60	70	70	80	130	130
	Heating		W	20	30	40	50	50	60	70	70	80	130	130
Sound Pressure			dB(A)	30/28/28/ 27/26/26	32/29/29/ 28/27/26	33/31/29/ 29/27/26	34/31/30/ 28/28/26	36/33/32/ 31/29/28	36/33/32/ 31/29/28	37/36/35/ 33/31/30	37/36/35/ 33/31/30	42/40/38/ 36/34/33	46/44/40/ 38/36/34	46/44/41/ 40/38/36
Air Flow Rate			m^3/min	15.0/12.8/ 12.0/10.8/ 10.0/8.8	17.0/14.0/ 12.8/11.8/ 10.8/9.1	19.0/15.0/ 13.9/12.6/ 11.8/10.5	19.0/15.0/ 13.9/12.6/ 11.8/14.7	26.0/20.0/ 18.3/17.0/ 15.1/13.0	27.0/21.1/ 19.1/18.0/ 15.8/14.7	25.0/21.1/ 19.6/17.9/ 16.1/14.7	25.0/22.3/ 20.3/18.3/ 16.9/15.3	31.0/29.5/ 28.7/26.0/ 23.5/20.5	37.0/33.5/ 29.6/27.2/ 24.5/22.4	37.0/34.0/ 30.7/28.9/ 25.6/23.8
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	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	O.D.32										
Weight	Net Weight		kg	20	20	20	20	21	21	23	23	26	26	26
	Gross Weight		kg	24	24	24	24	25	25	27	27	31	31	31
Dimentions	External	H	mm	238	238	238	238	238	238	238	238	288	288	288
		W	mm	840	840	840	840	840	840	840	840	840	840	840
		D	mm	840	840	840	840	840	840	840	840	840	840	840
	Packaging	H	mm	292	292	292	292	292	292	342	342	342	342	342
		W	mm	945	945	945	945	945	945	945	945	945	945	945
		D	mm	945	945	945	945	945	945	945	945	945	945	945
Decoration Panel	Model		—	AP-GNK										
	Color		—	Neutral White										
	Body Dimentions	H	mm	47	47	47	47	47	47	47	47	47	47	47
		W	mm	950	950	950	950	950	950	950	950	950	950	950
		D	mm	950	950	950	950	950	950	950	950	950	950	950
	Packaging Dimentions	H	mm	100	100	100	100	100	100	100	100	100	100	100
		W	mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
		D	mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
	Net Weight		kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	Gross Weight		kg	8	8	8	8	8	8	8	8	8	8	8

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Mini 4-Way Cassette Type

Model				AER-CS15 CM4W	AER-CS22 CM4W	AER-CS28 CM4W	AER-CS36 CM4W	AER-CS45 CM4W	AER-CS50 CM4W	AER-CS56 CM4W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz						
Capacity	Cooling		kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
	Heating		kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
Power Input	Cooling		W	14	14	14	16	22	30	40
	Heating		W	14	14	14	16	22	30	40
Sound Pressure			dB(A)	30/29/ 28/26	30/29/ 28/26	32/30/ 28/26	34/32/ 29/26	38/36/ 31/28	42/39/ 36/31	45/42/ 38/34
Air Flow Rate			m³/min	7.2/6.5/ 6.2/5.6	7.2/6.5/ 6.2/5.6	7.8/7.2/ 6.5/5.8	7.8/7.2/ 6.5/5.8	9.3/8.7/ 7.1/6.7	11.0/9.5/ 8.7/7.1	12.5/10.8/ 9.3/8.0
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)						
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
			inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
			inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain		mm	O.D.32						
Weight	Net Weight		kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
	Gross Weight		kg	17.3	17.3	17.6	17.6	18.6	18.6	18.6
Dimentions	External	В	mm	215	215	215	215	215	215	215
		Ш	mm	570	570	570	570	570	570	570
		Г	mm	570	570	570	570	570	570	570
	Packaging	В	mm	292	292	292	292	292	292	292
		Ш	mm	668	668	668	668	668	668	668
		Г	mm	730	730	730	730	730	730	730
Decoration Panel	Model		—	AP-DNK						
	Color		—	Neutral White						
	Body Dimensions	В	mm	37	37	37	37	37	37	37
		Ш	mm	620	620	620	620	620	620	620
		Г	mm	620	620	620	620	620	620	620
	Packaging Dimensions	В	mm	115	115	115	115	115	115	115
		Ш	mm	680	680	680	680	680	680	680
		Г	mm	680	680	680	680	680	680	680
	Net Weight		kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Gross Weight		kg	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

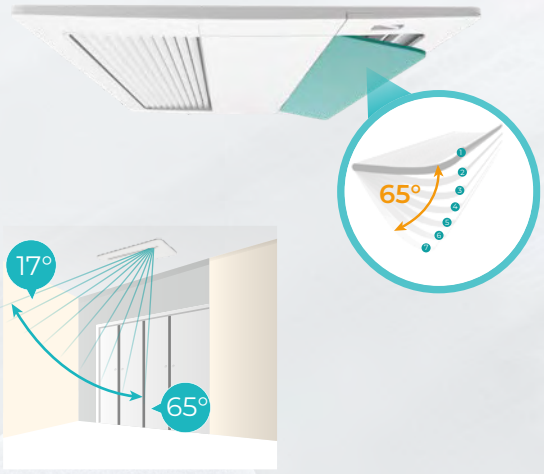
CHIC AESTHETICS

Inspired from ceiling concealed ducted units and integrated with the design of cassette units to present 1 way cassette.
High class appearance blends into common white plaster ceilings and practical solution for cornered floor layouts, hotel rooms and residential applications.

EVEN AIR SUPPLY

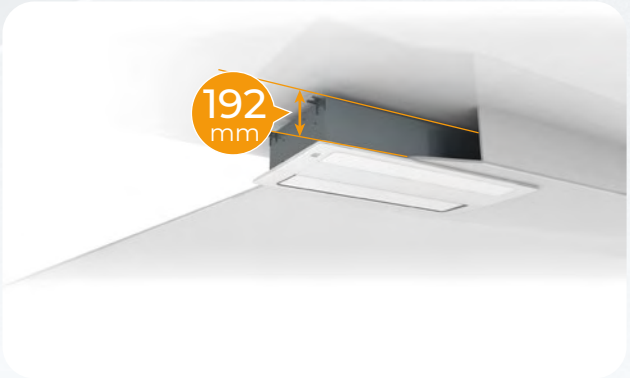
Louvers are consist of horizontal and vertical flaps to supply air evenly to the edges of any rooms.

Wider opening angle from 17° to 65° supplies air further and lower down to floor needed during heating modes.



SPACE SAVING

Slim body height of 192mm fits in limited ceiling spaces commonly seen in budget hotels and residential applications.



EASIER MAINTAIN

The electric box of the cassette is designed and placed beneath the panel.

When operate on PCB, it just needs to open the panel and the cover of box. It's easy to take the service, maintenance and commissioning.

1-Way Cassette Type

Model				AER-CS22 CT1W	AER-CS28 CT1W	AER-CS36 CT1W	AER-CS45 CT1W	AER-CS56 CT1W	AER-CS71 CT1W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz					
Capacity	Cooling		kW	2.2	2.8	3.6	4.0	5.6	7.1
	Heating		kW	2.5	3.2	4.0	4.5	6.3	8.0
Power Input	Cooling		W	14	14	24	34	34	74
	Heating		W	14	24	34	44	44	94
Sound Peassure			dB(A)	33/32/31/ 30/29/28	35/34/32/ 31/29/28	40/36/35/ 33/30/29	40/36/35/ 33/30/29	41/39/36/ 35/33/31	48/46/43/ 40/37/33
Air Flow Rate			m^3/min	6.2/5.9/5.6/ 5.1/4.8/4.6	6.6/6.2/5.6/ 5.1/4.8/4.6	8.3/7.3/6.8/ 6.2/5.6/5.1	8.3/7.3/6.8/ 6.2/5.6/5.1	12.1/9.9/8.8/ 8.2/7.8/6.6	15.6/12.6/11.2/ 9.9/8.4/7.1
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)					
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3.8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8
	Condensate Drain		mm	I.D.32					
Weight	Net Weight		kg	19	19	20	20	24	24
	Gross Weight		kg	23	23	24	24	29	29
Dimensions	External	H	mm	192	192	192	192	192	192
		W	mm	910	910	910	910	1180	1180
		D	mm	470	470	470	470	470	470
	Packaging	H	mm	268	268	268	268	268	268
		W	mm	1136	1136	1136	1136	1406	1406
		D	mm	574	574	574	574	574	574
Decoretion Panel	Model		—	AP-DNA	AP-DNA	AP-DNA	AP-DNA	AP-ENA	AP-ENA
	Color		—	Neutral White					
	Body Dimensions	H	mm	55	55	55	55	55	55
		W	mm	1100	1100	1100	1100	1370	1370
		D	mm	550	550	550	550	550	550
	Packaging Dimensions	H	mm	130	130	130	130	130	130
		W	mm	1160	1160	1160	1160	1430	1430
		D	mm	610	610	610	610	610	610
	Net Weight		kg	5	5	5	5	6	6
	Gross Weight		kg	8	8	8	8	10	10

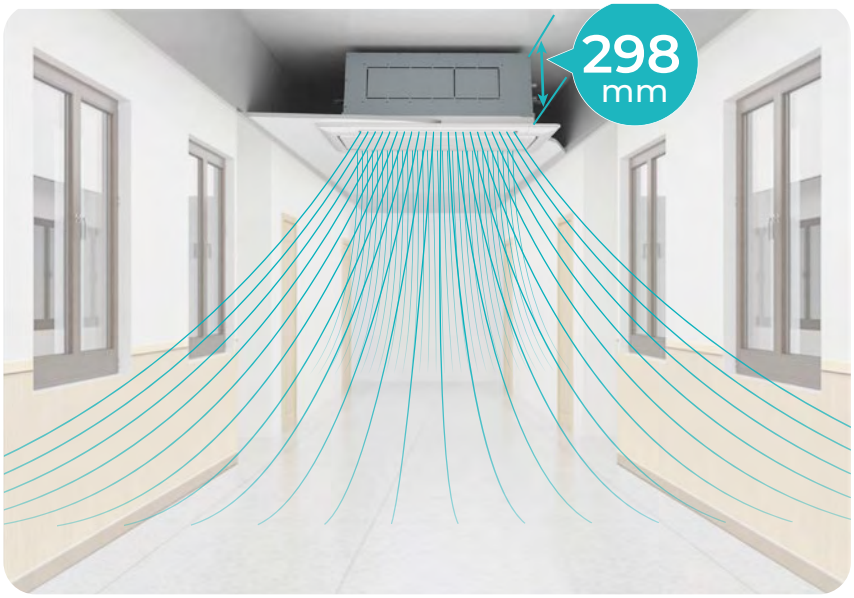
Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

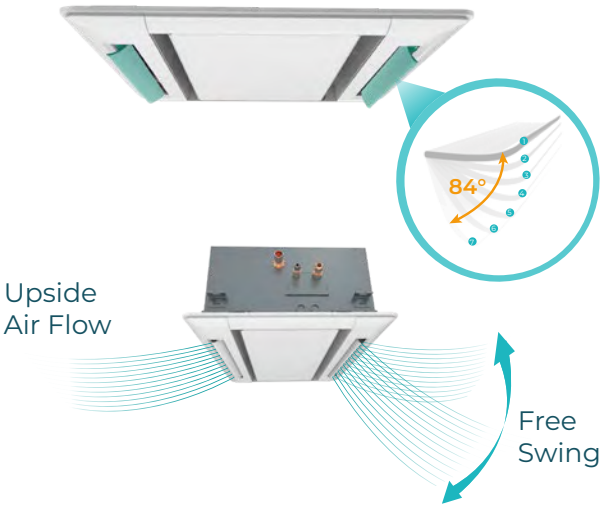
COMPACT AND CLASSY DESIGN

The slim structure of the cassette having height as low as 298mm can be installed in ceiling spaces with a minimum of 310mm.
Narrow corridors or zoned spaces are best fitted with 2 way cassette due to its compact design.



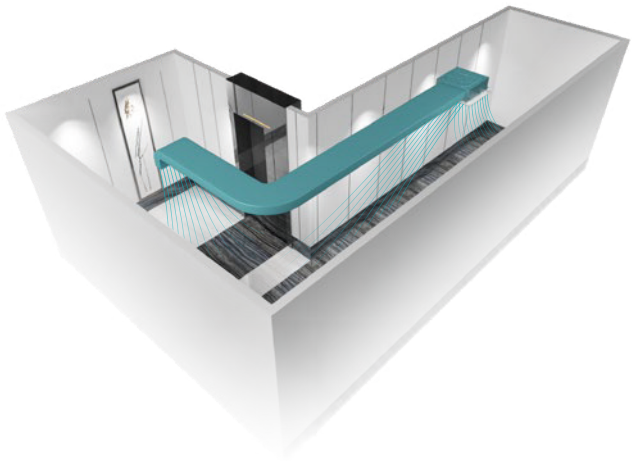
INDEPENDENT LOUVERS CONTROL

Кути відкривання кожної жалюзі контролюються індивідуально за допомогою 8 варіантів вибору, з кутом розкриття від 27° до 84° для задоволення потреб вузьких довгих коридорів з високими стелями та ефективної подачі теплого повітря в зимову пору року.



BRANCH DISCHARGE OPTIO

In irregular room layouts, branch discharge could come in handy by extending air distribution area to the most awkward corners without additional indoor units.



2-Way Cassette Type

Model				AER-CS22 CT2W	AER-CS28 CT2W	AER-CS36 CT2W	AER-CS45 CT2W	AER-CS56 CT2W	AER-CS71 CT2W	AER-CS80 CT2W	AER-CS90 CT2W	AER-CS112 CT2W	AER-CS140 CT2W	AER-CS160 CT2W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz										
Capacity	Cooling		kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
	Heating		kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
Power Input	Cooling		W	14	14	14	24	34	44	64	74	84	104	114
	Heating		W	14	14	14	24	34	44	64	74	84	104	114
Sound Peassure			dB(A)	32/30/ 29/27	33/30/ 29/28	34/31/ 30/28	40/37/ 34/32	42/39/ 36/33	45/42/ 40/36	47/44/ 40/36	49/46/ 42/37	46/44/ 40/38	48/45/ 42/38	49/46/ 43/40
Air Flow Rate			m^3/min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1
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	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32										
Weight	Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight		kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H	mm	298	298	298	298	298	298	298	298	298	298	298
		W	mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D	mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H	mm	350	350	350	350	350	350	350	350	350	350	350
		W	mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D	mm	710	710	710	710	710	710	710	710	710	710	710
Decoretion Panel	Model		—	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA
	Color		—	Neutral White										
	Body Dimensions	H	mm	30	30	30	30	30	30	30	30	30	30	30
		W	mm	1100	1100	1100	1100	1100	1100	1100	1100	1660	1660	1660
		D	mm	710	710	710	710	710	710	710	710	710	710	710
	Packaging Dimensions	H	mm	160	160	160	160	160	160	160	160	160	160	160
		W	mm	1170	1170	1170	1170	1170	1170	1170	1170	1710	1710	1710
		D	mm	740	740	740	740	740	740	740	740	740	740	740
	Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5
	Gross Weight		kg	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

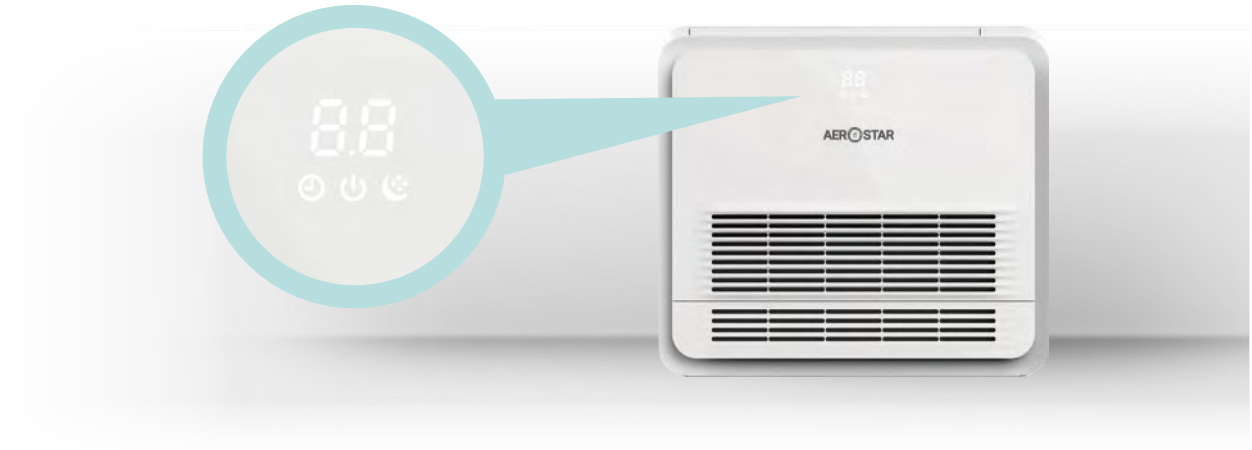
2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

AEROSTAR

CONSOLE TYPE

STYLISH DESIGN

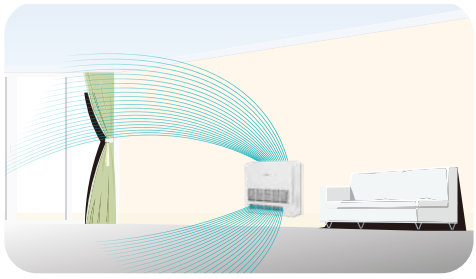
With smooth white cover, LED shown and temperature display, the console unit is an super stylish air-conditioning, which is suitable for the residential or commercial applications which need an unit installed on or close to the floor.

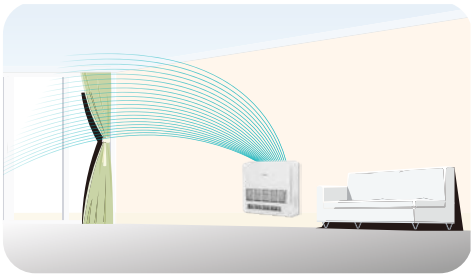


MULTIPLE BLOWING TYPES

Cooling Mode

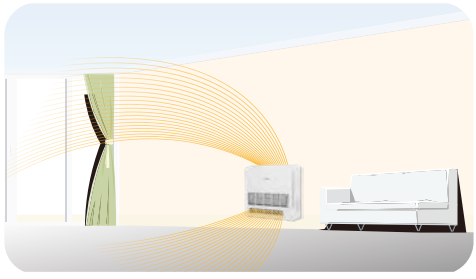
The unit adopts the stereo cooling mode that can reach the setting temperature rapidly.

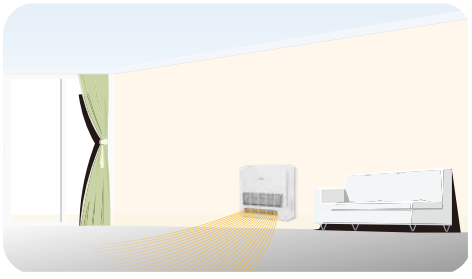




Heating Mode

Air supply through the below louver achieves floor heating effect and increases the comfortability.





Note:
In the Eco mode, when the indoor return air temp. is close to the setting temp., the upper air deflector is automatically closed, and the lower air outlet mode is activated.

FLEXIBLE INSTALLATION OPTIONS

The unit can stand directly on the floor, or be hanged on the wall.
According to the interior decoration style, the machine can choose surface mounted, embedded mounted, concealed mounted.

Standing on the floor

Hanging on the wall

Surface mounted

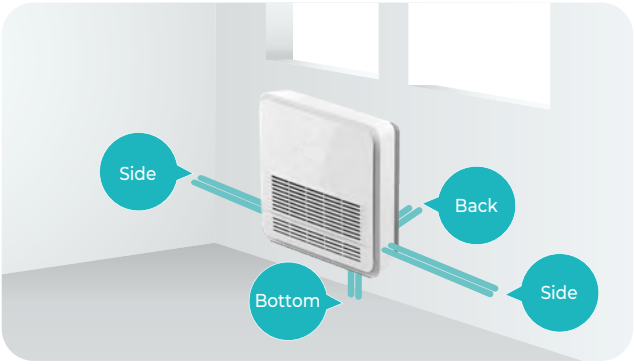
Embedded mounted

Concealed mounted

FLEXIBLE PIPING CONNECTION

Both refrigerant and drainage pipings are freely to connect in any direction including two sides (L or R) and bottom and back.

An additional direction to the back of the unit suitable for pipes which passing through walls.



Console Type

Model				AER-CS15 CWM	AER-CS22 CWM	AER-CS28 CWM	AER-CS36 CWM	AER-CS45 CWM	AER-CS50 CWM
Power supply				AC 1Φ, 220-240V/50Hz/60Hz					
Capacity	Cooling		kW	1.5	2.2	2.8	3.6	4.5	5.0
	Heating		kW	2.0	2.5	3.3	4.2	5.0	5.6
Power Input	Cooling		W	10	11	12	14	18	23
	Heating		W	10	11	12	14	18	23
Sound Peassure			dB(A)	32/30/29/ 28/26/24	34/32/31/ 29/27/26	36/35/32/ 31/29/27	39/36/34/ 31/29/27	41/39/37/ 35/33/32	44/43/41/ 39/37/36
Air Flow Rate			m^3/min	6.0/5.7/5.3/ 5.1/4.7/4.5	7.4/7.0/6.4/ 6.0/5.6/5.3	8.0/7.4/7.0/ 6.4/6.0/5.6	8.2/7.6/6.8/ 6.2/5.7/5.3	9.0/8.5/7.8/ 7.2/6.6/6.4	10.1/9.7/9.0/ 8.5/7.9/7.3
Panel Colour			—	Neutral White					
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)					
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
			inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
			inch	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain		mm	O.D.18					
Weight	Net Weight		kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight		kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H	mm	630	630	630	630	630	630
		W	mm	700	700	700	700	700	700
		D	mm	225	225	225	225	225	225
	Packaging	H	mm	725	725	725	725	725	725
		W	mm	790	790	790	790	790	790
		D	mm	315	315	315	315	315	315

Notes:

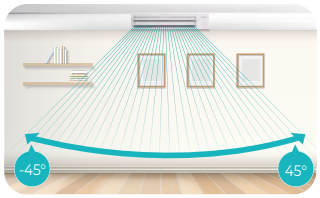
1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

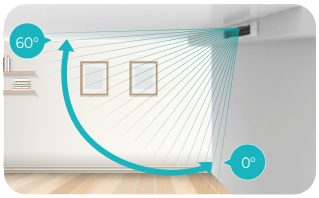
2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

SPACE SAVING

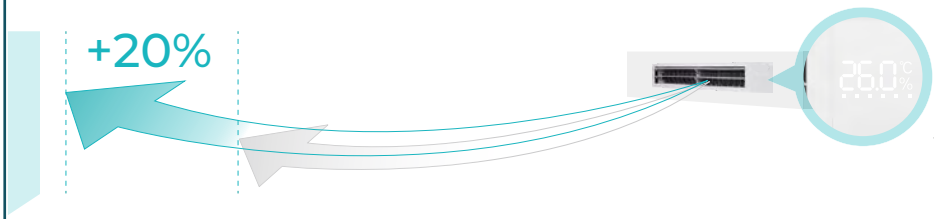
Concealed AC/DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.

3D AIR FLOW





Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the AC/DC Low Height Ducted Units.



The 3D louvers on the panel offer wide air flow coverage to keep every corners of your room cool or warm in any seasons of the year.

SMART & PRECISE TEMPERATURE CONTROL

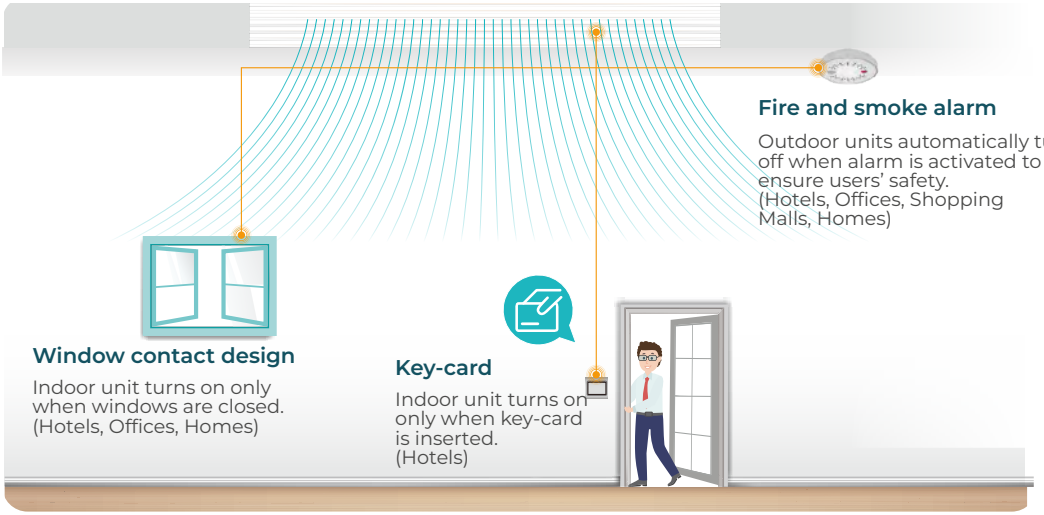
To prevent the human height area of the room cools or warms to user's ideal temperature setting.
Two Temperature Sensor Control Technology is integrated into the unit whereby the controller, and return section consist of built in temperature sensors to send real-time signals to the unit for a more precise supplying temperature.

Aerostar VRF

Other

VARIOUS DEVICE CONNECTION OPTIONS

Third party devices to control the on-off air conditioners is possible with dry contact connections to the Indoor unit.
Devices like room key card, window contact and fire alarms can be connected simultaneously.



Ceiling Ducted Type (AC Low Height)

Model				AER-CS15 DLC	AER-CS22 DLC	AER-CS28 DLC	AER-CS36 DLC	AER-CS45 DLC	AER-CS50 DLC	AER-CS56 DLC	AER-CS63 DLC	AER-CS71 DLC
Power Supply				AC 1Φ, 220-240V/50Hz								
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating		kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power Input	Cooling		kW	50	50	70	70	80	80	100	120	120
	Heating		W	50	50	70	70	80	80	100	120	120
Sound Pressure			dB(A)	29/24/22	29/24/22	35/25/23	35/25/23	36/25/23	36/25/23	35/25/23	39/26/25	39/26/25
Airflow Rate			m³/min	7/5.5/4.7	7/5.5/4.7	9/5.7/4.8	9/5.7/4.8	12/6.3/5.5	12/6.3/5.5	13.5/8/7.7	18/9.3/8.7	18/9.3/8.7
External Static Pressure			Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)								
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32								
Weight	Net Weight		kg	16	16	17	17	21	21	25	26	26
	Gross Weight		kg	19	19	20	20	24	24	29	29	29
Dimentions	External	H	mm	192	192	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	910	1180	1180	1180
		D	mm	447	447	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1136	1406	1406	1406
		D	mm	574	574	574	574	574	574	574	574	574

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Ceiling Ducted Type (DC Low Height)

Model				AER-CS15 DLDC	AER-CS22 DLDC	AER-CS28 DLDC	AER-CS36 DLDC	AER-CS45 DLDC	AER-CS56 DLDC	AER-CS71 DLDC
Power Supply				AC 1Φ, 220-240V/50Hz/60Hz						
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power Input	Cooling		W	30	30	50	50	60	60	90
	Heating		W	30	30	50	50	60	60	90
Sound Pressure			dB(A)	28/27/26/ 24/23/21	28/27/26/ 24/23/21	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/30/ 28/25/23	38/36/35/ 33/31/24
Airflow Rate			m^3/min	7.0/6.5/6.1/ 5.7/5.3/4.8	7.0/6.5/6.1/ 5.7/5.3/4.8	9.0/8.1/7.3/ 6.7/5.9/5.2	9.0/8.1/7.3/ 6.7/5.9/5.2	12/10.8/9.4/ 8.1/6.8/5.5	13.5/12.5/11.2/ 10.0/8.8/7.7	18/16.3/14.3/ 12.3/10.5/8.7
External Static Pressure			Pa	10(10-30-50)						
Piping	Connection Type		—	Flare-nut Connection(with Flare Nuts)						
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8
	Connection Drain		mm	I.D.32						
Weight	Net Weight		kg	16	16	17	17	20	24	24
	Gross Weight		kg	19	19	20	20	24	29	29
Dimensions	External	H	mm	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	1180	1180
		D	mm	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1406	1406
		D	mm	574	574	574	574	574	574	574

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

FLEXIBLE AIR DUCT LAYOUT

High static pressure facilitates extensive ducts and air outlets network, effectively sends air-conditioned air to every corner of the room.

NEW IMPROVED BENDABLE FILTERS

Standard filters that comes with high/low static pressure ceiling ducted type are now optimized to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.

Ceiling Ducted Type (High Static Pressure)

Model				AER-CS 22 DH	AER-CS 28 DH	AER-CS 36 DH	AER-CS 45 DH	AER-CS 56 DH	AER-CS 63 DH	AER-CS 71 DH	AER-CS 80 DH	AER-CS 90 DH	AER-CS 112 DH	AER-CS 140 DH	AER-CS 160 DH	AER-CS 224 DHD	AER-CS 280 DHD
Power Supply				AC 1Φ, 220~240V/50Hz												AC 3Φ, 380~415V/50Hz	
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
Power Input	Cooling		kW	0.10	0.10	0.13	0.13	0.14	0.19	0.19	0.25	0.25	0.25	0.34	0.43	1.08	1.34
	Heating		kW	0.10	0.10	0.13	0.13	0.14	0.19	0.19	0.25	0.25	0.25	0.34	0.43	1.08	1.34
Sound Pressure	220-240V/50Hz		dB(A)	32/27/25	32/27/25	35/32/26	35/32/26	36/35/30	39/32/25	39/32/25	42/39/34	42/39/34	42/39/34	43/40/35	46/40/35	52	54
	208V/60Hz		dB(A)	33/28/24	33/28/24	37/34/29	37/34/29	37/35/29	39/32/25	39/32/25	42/38/33	42/38/33	42/38/33	44/39/34	45/40/34	52	54
	230V/60Hz		dB(A)	37/33/28	37/33/28	40/38/33	40/38/33	42/40/34	43/37/30	43/37/30	44/42/37	44/42/37	44/42/37	47/43/38	46/42/38	52	54
Air Flow	(Hi./Me./Lo.)		m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/ 19.5	35.5/29/ 24	39/31/24	58	77.5
External Static Preassure	220-240V/50Hz 208V/60Hz		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220
	230V/60Hz		Pa	80(105)	80(105)	90(115)	90(115)	90(115)	90(115)	90(115)	170(150)	170(150)	170(150)	170(150)	170(150)	—	—
Piping	Connection Type		—	Flare-nut Connection(with Flare Nuts)												Brazing	
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.20
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8
	Condensate Drain		mm	I.D.32													
Weight	Net Weight		kg	25	25	25	25	30	30	30	45	45	45	53	53	94	106
	Gross Weight		kg	31	31	31	31	36	37	37	52	52	52	61	61	106	111
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300	470	470
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1060	1250
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415	546	546
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1640	1640	1640	1276	1466
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950	1345	1345

Notes:

1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB.
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB
Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

**1: For AER-CS224/280DHD, the filter is not standard.*

Ceiling Ducted Type (Low Static Pressure)

Model				AER-CS 22 DLS	AER-CS 28 DLS	AER-CS 36 DLS	AER-CS 45 DLS	AER-CS 56 DLS	AER-CS 63 DLS	AER-CS 71 DLS	AER-CS 80 DLS	AER-CS 90 DLS	AER-CS 112 DLS	AER-CS 140 DLS	AER-CS 160 DLS
Power Supply				AC 1Φ, 220~240V/50Hz											
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
Power Input	Cooling		kW	60	60	110	110	90	160	160	240	240	240	290	360
	Heating		kW	60	60	110	110	90	160	160	240	240	240	290	360
Sound Pressure			dB(A)	27/23/21	27/23/21	34/30/25	34/30/25	32/30/26	35/28/24	35/28/24	38/33/30	38/33/30	38/33/30	41/38/33	44/39/33
Air Flow Rate	(Hi./Me./Lo.)		m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24
External Static Preassure	230V/60Hz		Pa	30	30	30	30	30	30	30	60	60	60	60	60
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	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32											
Weight	Net Weight		kg	25	25	25	25	30	30	30	45	45	45	52	52
	Gross Weight		kg	31	31	31	31	36	37	37	52	52	52	61	61
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950

Notes:

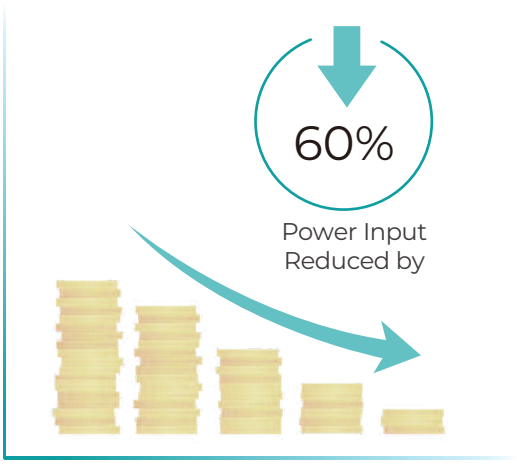
1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB.
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB
Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

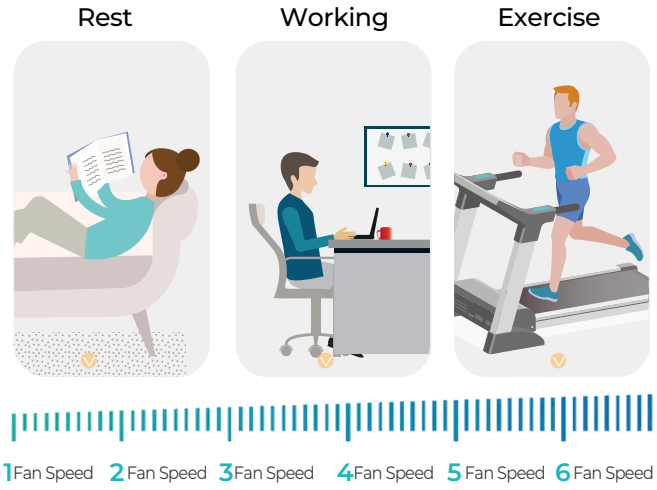
HIGH-EFFICIENCY DC FAN MOTOR

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.

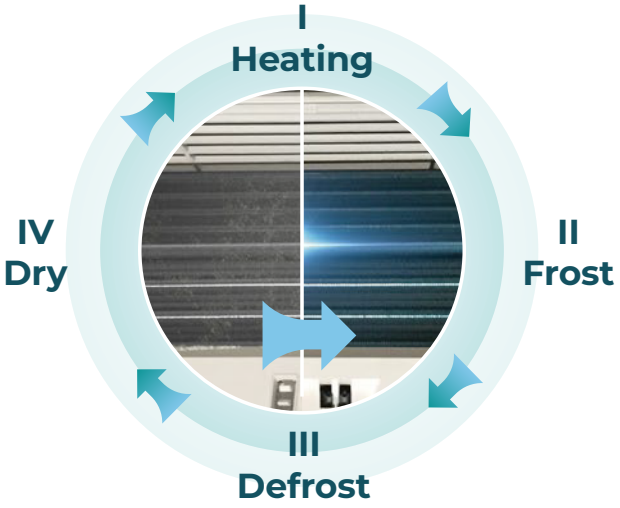
What's more, sleep and quiet modes are also available for users to enjoy the quiet.

* 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.

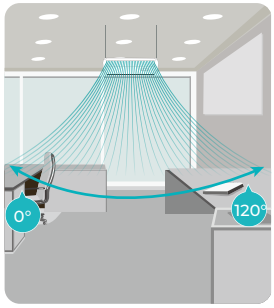
Whereby interior walls maximized to display items, can hang the unit on the ceiling.

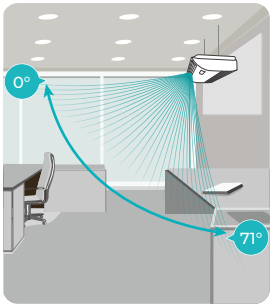
Hanging on the wall Standing on the floor

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.

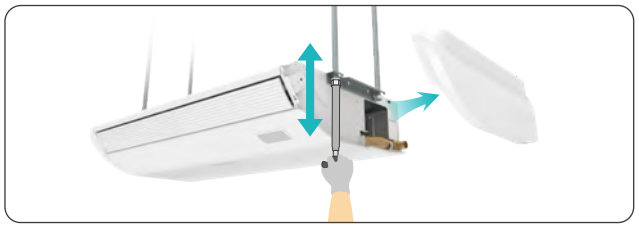


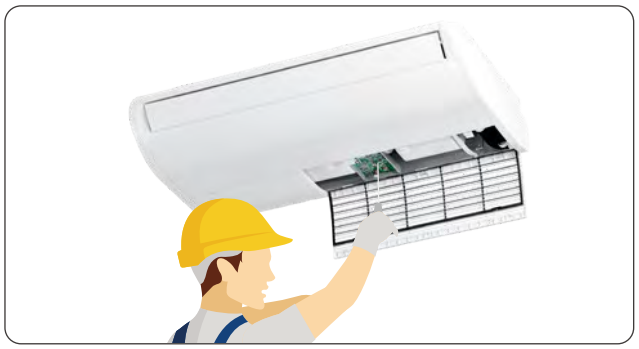


CONVENIENT INSTALLATION AND MAINTENANCE

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
		W	mm	990	990	990	990	1285	1285	1285	1580
		D	mm	680	680	680	680	680	680	680	680
	Packaging	H	mm	340	340	340	340	340	340	340	340
		W	mm	1110	1110	1110	1110	1400	1400	1400	1690
		D	mm	830	830	830	830	830	830	830	830

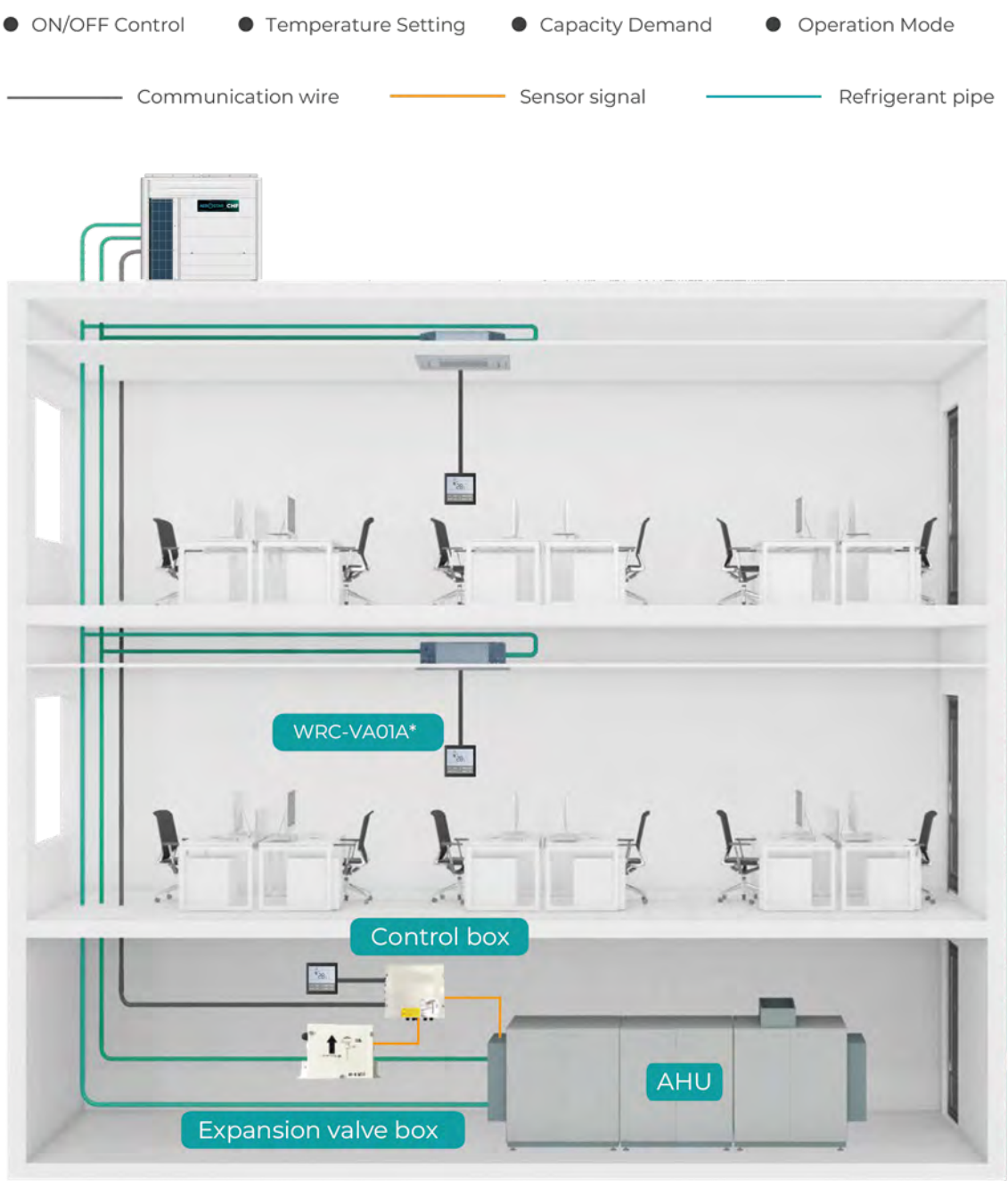
Notes:

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.

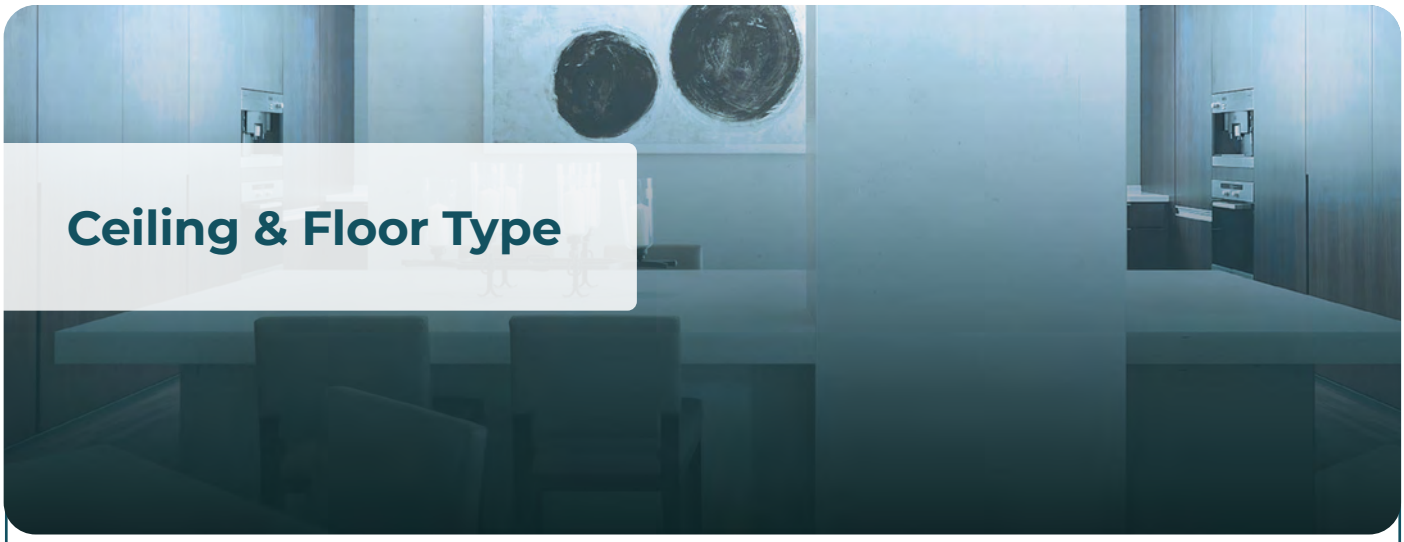
2. The sound pressure level is based on the following condations:
1.0m beneath the unit, 1.0m from Discharge Grille.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
When bottom air inlet is adopted, sound pressure will increase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

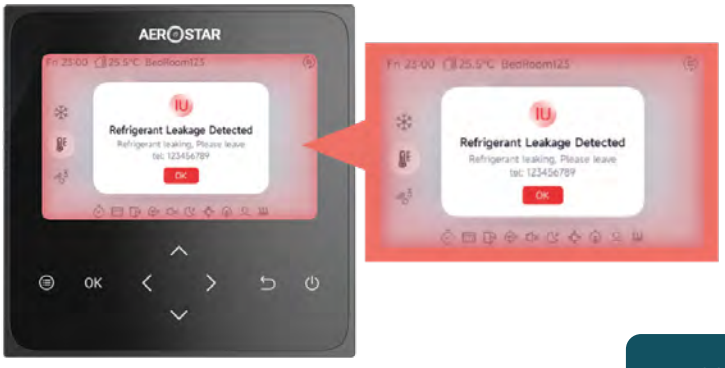
The colors displayed on the controller are based on the operation mode of indoor units, making it easier for users to get the current information of indoor units at a quick glance.

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

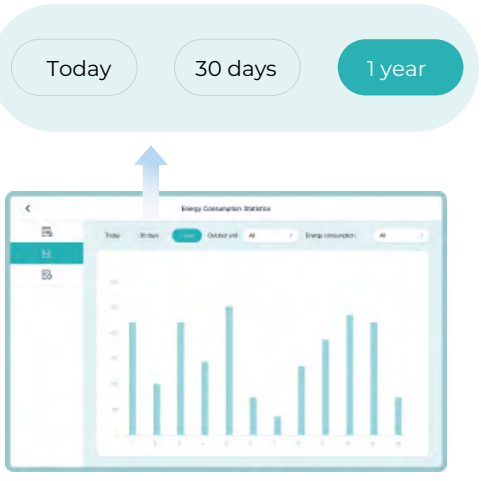
Cool/Heat/Auto/Fan/Dry
Remote control with web access
Support rotation operation setting
Weekly/Holiday timer
Error reminder email
External input/Output function
ECO/Health/Self-cleaning/Quiet mode setting of the outdoor unit

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

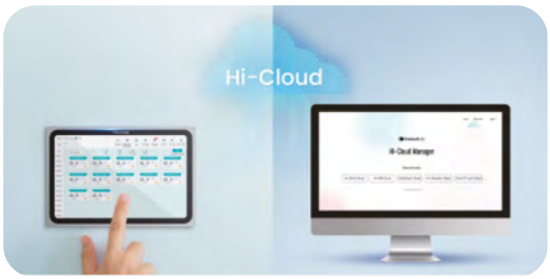
ENERGY MANAGEMENT

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

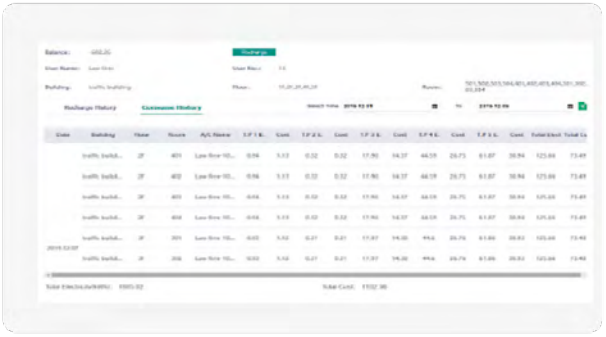
Ensure you stay up to date with both remote OTA updates and local USB updates.

Ideal for:

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

Humanized interaction interface and comfortable user experience.

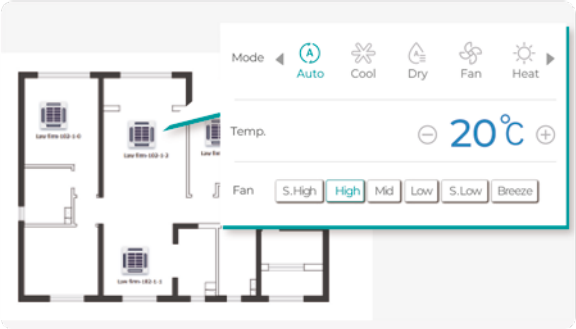
The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants.
Both segmented tariff and single tariff are available.

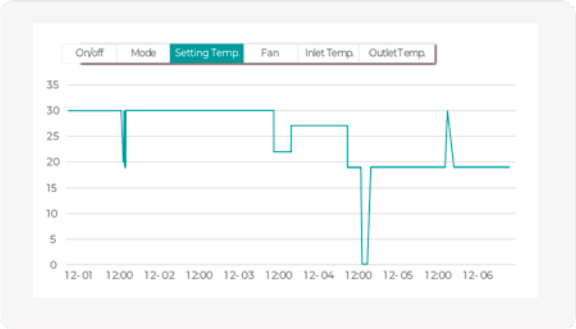


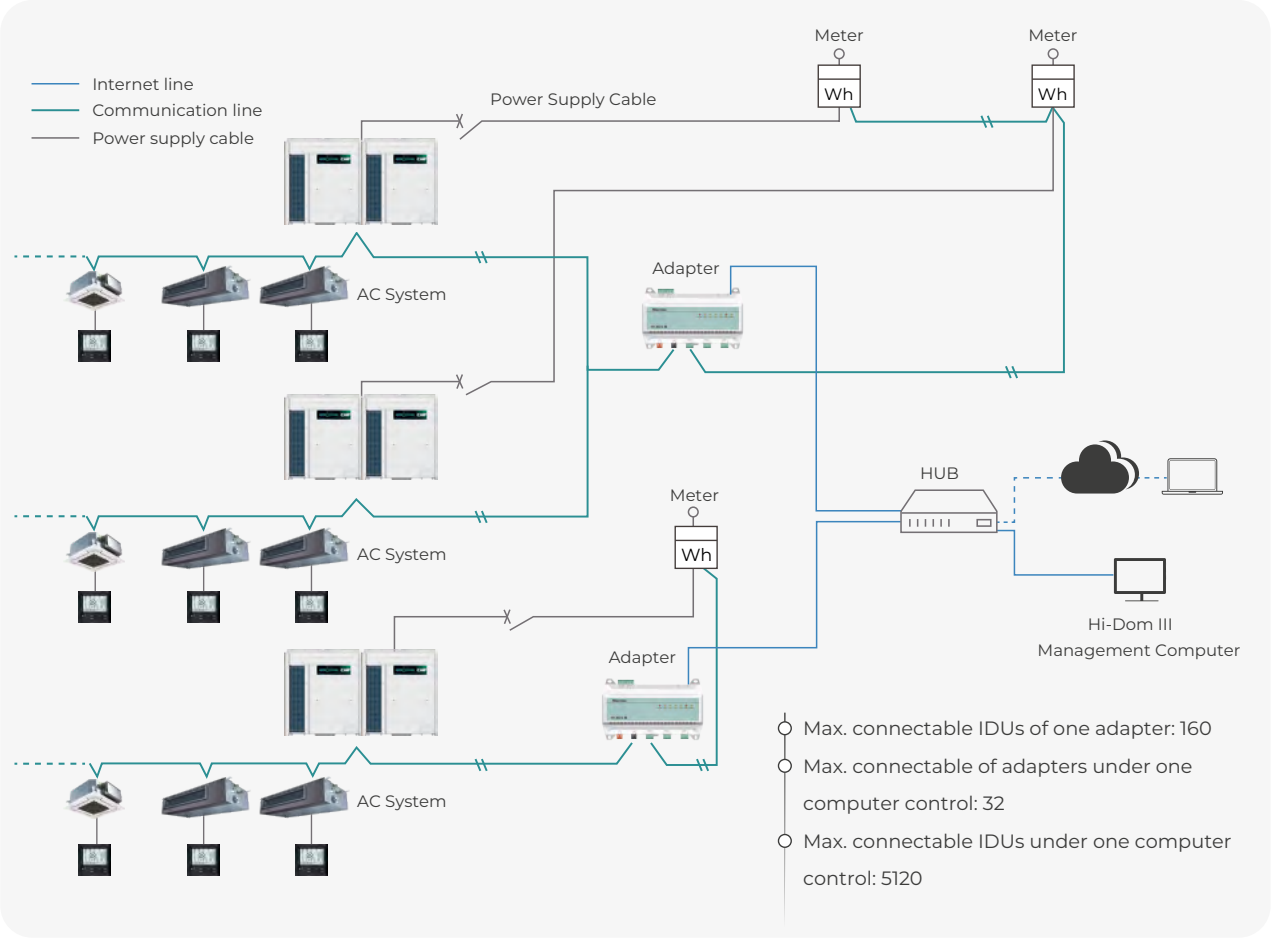
Thanks to the 2D navigation, users can import floor plans and place indoor units in the corresponding rooms, creating a tailored system schematic. Thus all the indoor units can be monitored and controlled intuitively.

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

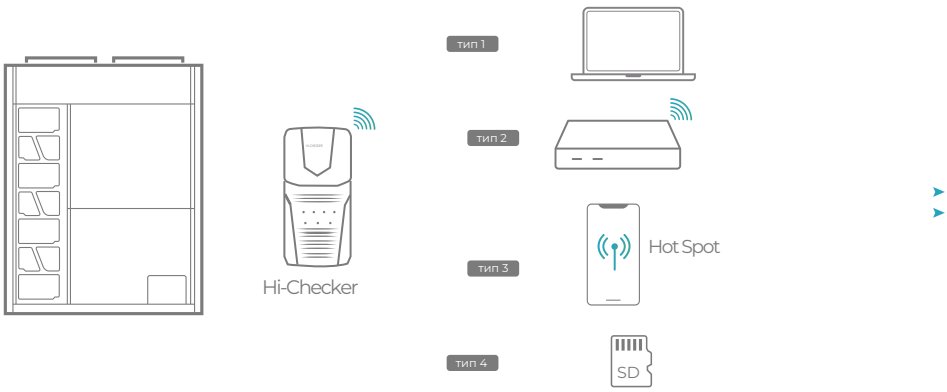
EASY TO UNDERSTAND

- 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.



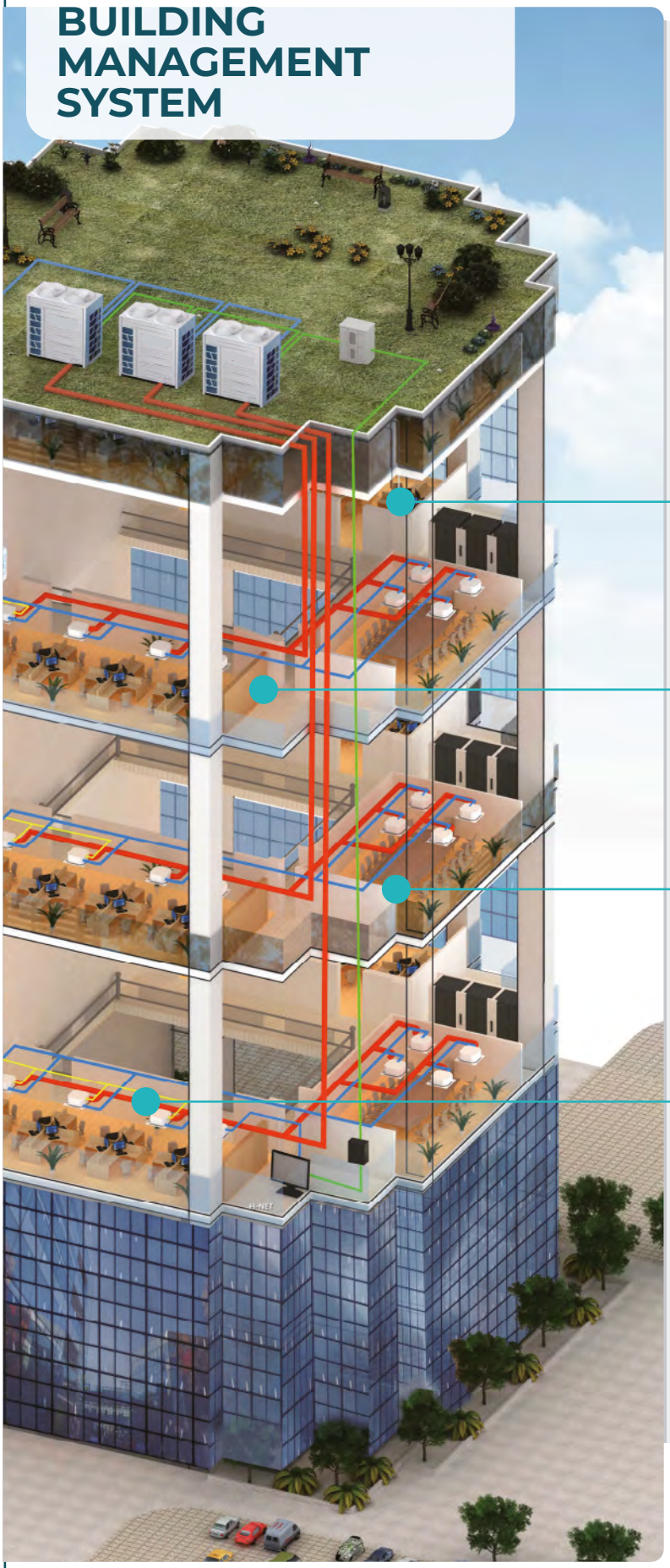
EASY TO UNDERSTAND

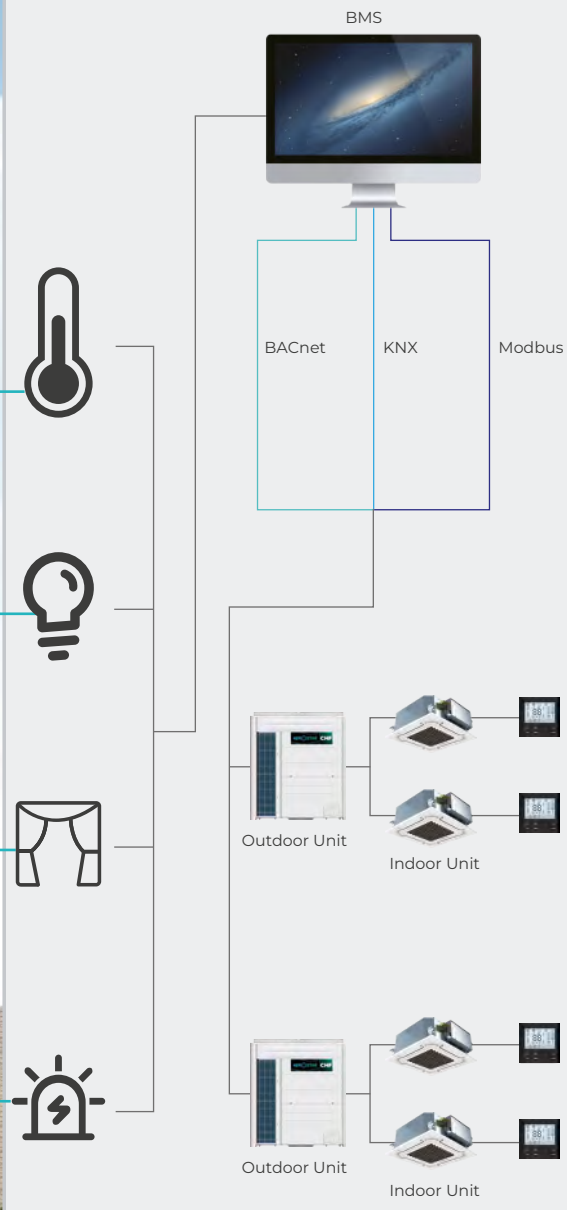
- Powerful and detailed chart analysis on the operation data, allowing users to determine the system condition easily. Together with the smart system diagram, it is interesting and easier for maintenance.
- Users can export the professional report either in .csv or .pdf format, very user-friendly.

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

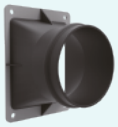
Hi-Motion

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	

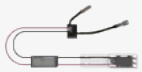
Drain Pump

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	

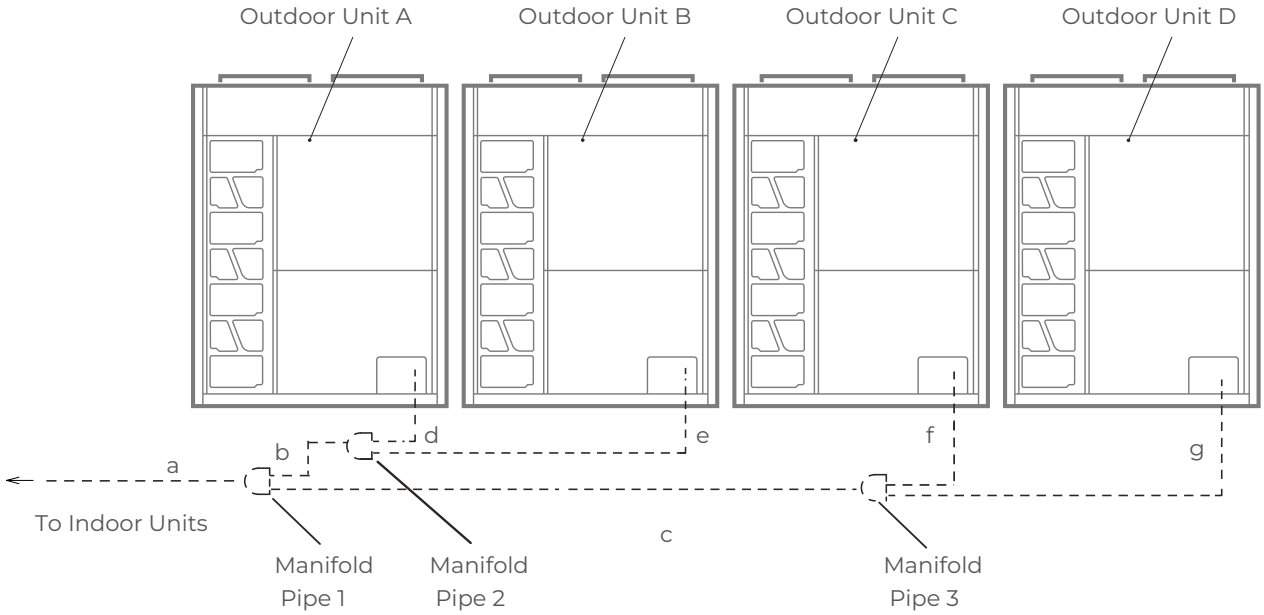
AirPure Kit

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

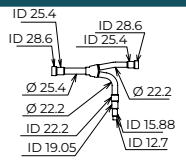
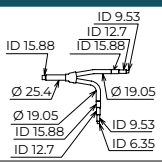
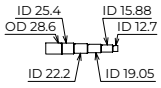
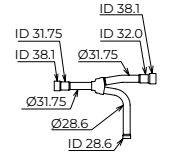
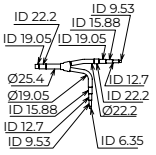
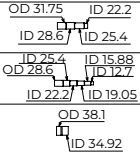
Last Branch Pipe~Indoor Unit

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

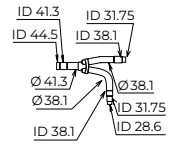
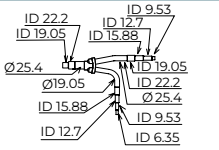
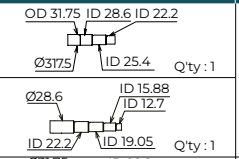
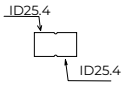
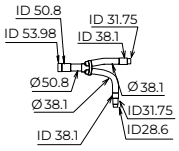
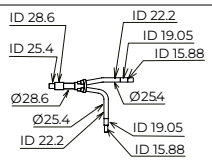
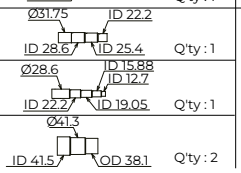
Note: 1. When liquid pipe length of indoor unit (2.2~5.6 kW) is more than 15m, please change the liquid pipe dimension from Φ6.35 into Φ9.53.

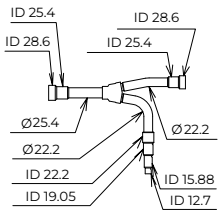
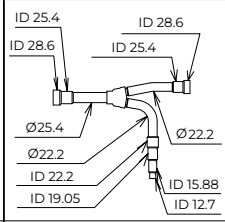
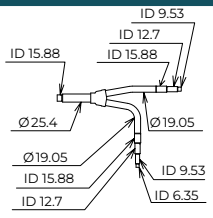
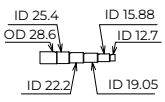
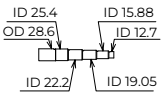
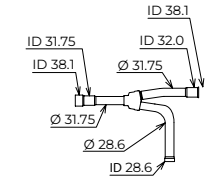
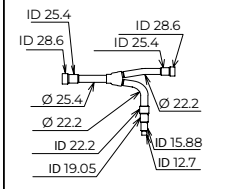
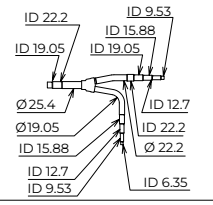
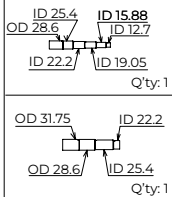
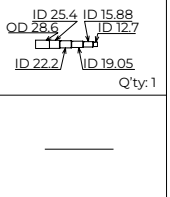
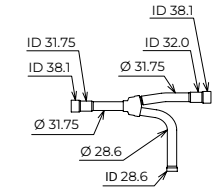
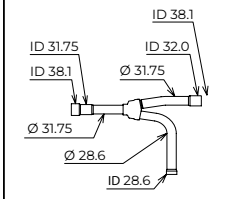
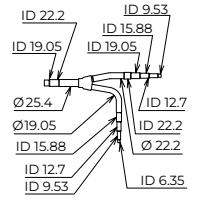
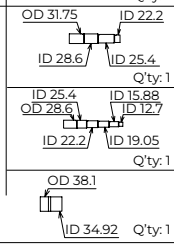
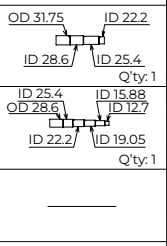
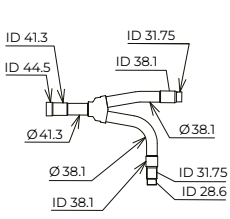
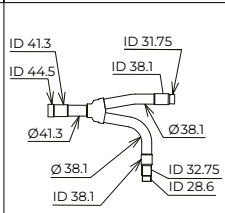
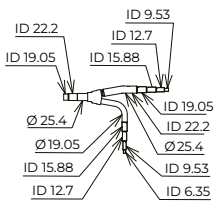
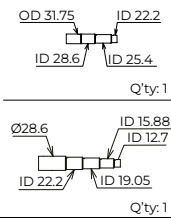
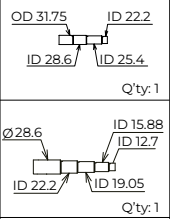
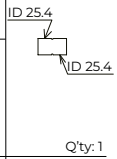
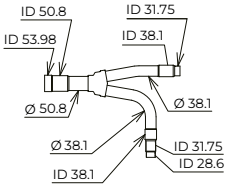
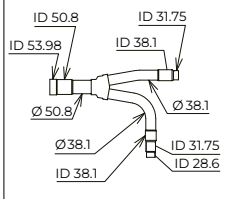
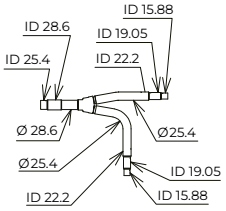
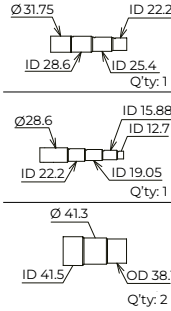
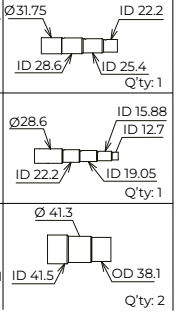
Manifold Pipe Parameter

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

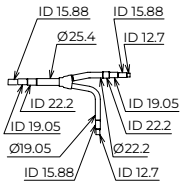
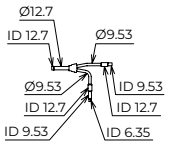
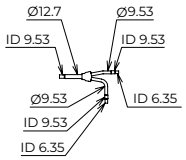
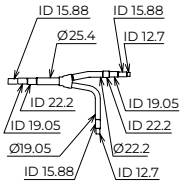
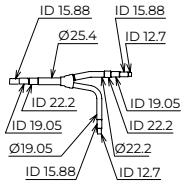
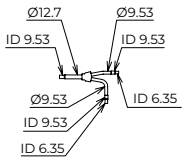
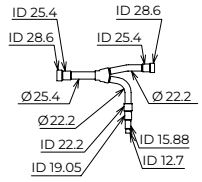
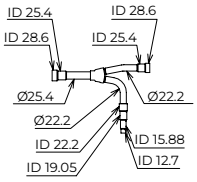
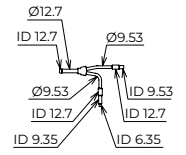
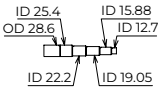
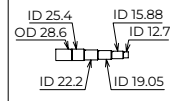
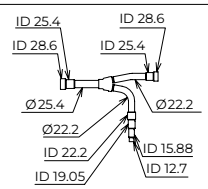
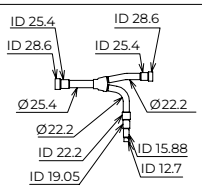
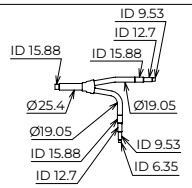
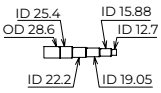
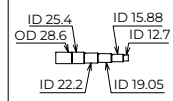
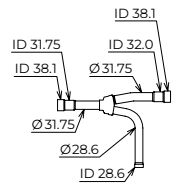
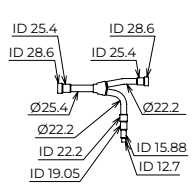
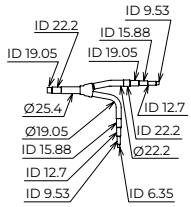
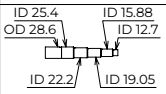
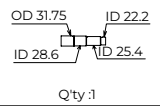
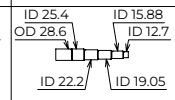
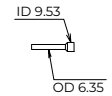
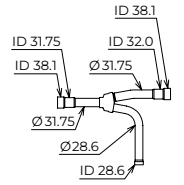
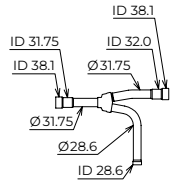
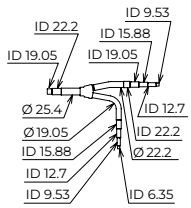
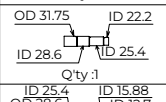
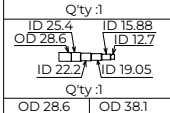
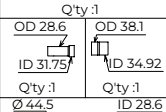
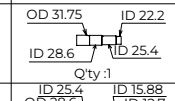
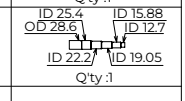
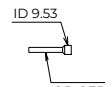
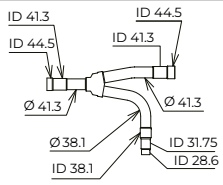
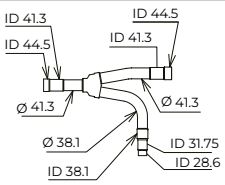
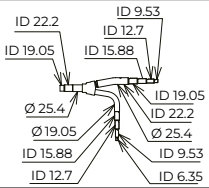
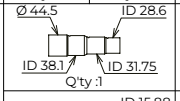
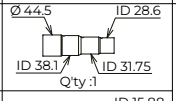
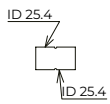
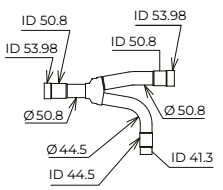
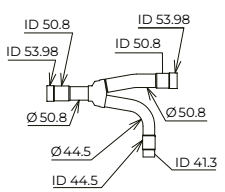
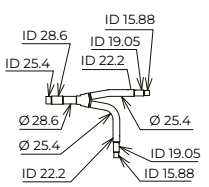
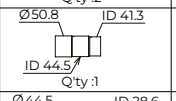
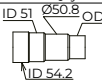
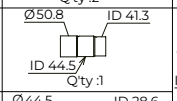
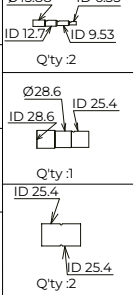
Модель	Газовий трубопровід	Рідинний трубопровід	Редуктор для газового трубопроводу	Редуктор для рідинного трубопроводу
M22FO M22FOS				———
M32FO M32FOS				———

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

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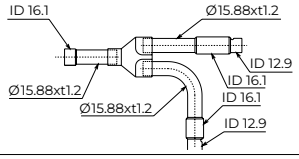
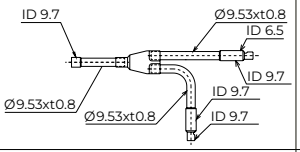
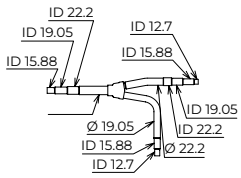
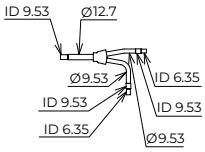
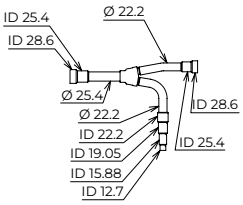
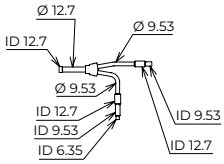
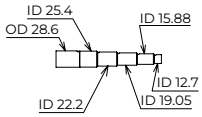
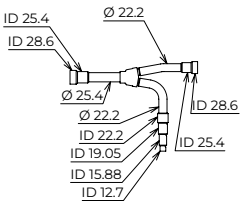
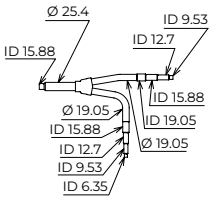
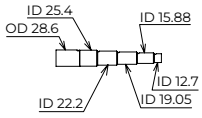
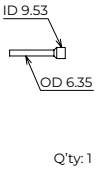
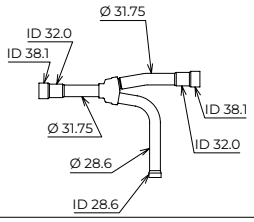
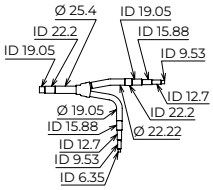
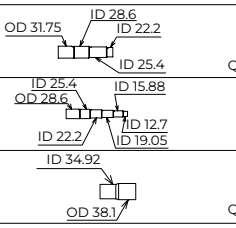
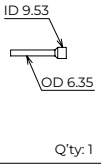
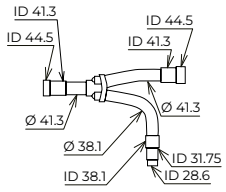
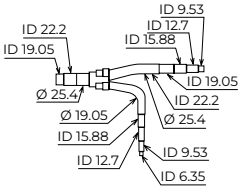
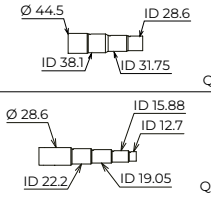
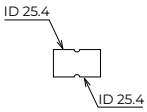
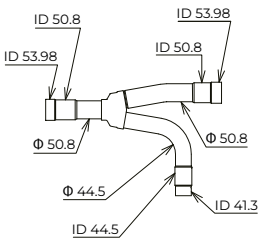
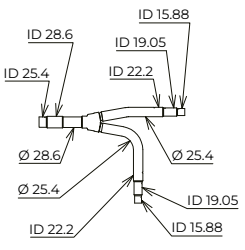
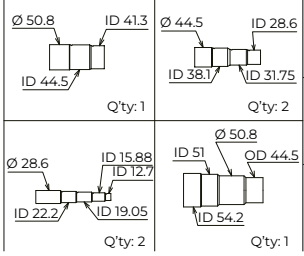
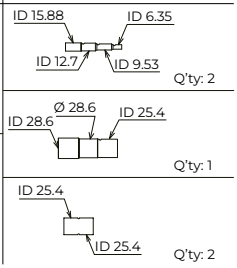
B52FI			———	———
B102FI			———	
B162FI				
B242FI				
B302FI				
B462FI				
B682FI				

AEROSTAR GROUP

RECOGNIZED LEADER IN THE VENTILATION EQUIPMENT MARKET

18 249 m² of production space
+7000 clients from all over the world

490 employees

Domestic market share: 26%
Imported manufacturers: 50%
Other domestic producers: 24%

Productive capacity:

3840 air treatment units

4350 tons of metal

AS A COMPANY WE OFFER:


Eurovent Certita Certification
CERTIFICATE N° 19.04.077
EUROVENT CERTIFIED PERFORMANCE
Air Handling Unit / Centrales de traitement d'air
Range Name / Nom de Gamme :
GreenStr
www.eurovent-certification.com
Participant/Titulaire
Vent-Service LLC
230 office, 95 (A2) Vidradnyi Avenue
03061 Kyiv, Ukraine
cofrac
Paris, 26 juin 2024
MANAGING BOARD MEMBER / MEMBRE DIRECTOIRE

RELIABLE PRODUCTS.
Aerostar is the first Ukrainian manufacturer to receive an international certificate Eurovent.

We improve our performance every year and confirm the status of a “reliable manufacturer”.

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com
CERTIFICATE № 19.04.077


TÜV NORD
CERTIFICATE
Management system as per
ISO 9001 : 2015
«Vent-Service» LLC
230 office, 95 (A2) Vidradnyi ave.
03061 Kyiv
Ukraine
Ventservice
Design and manufacture of ventilation equipment
IAF
Dakks

In accordance with TUV NORD CERT procedures, the company applies a management system in accordance with the international quality standard: ISO 9001:2015

“Products are of the same quality as German and Italian” Vasyl Khmelnitsky, “K.Fund”

NON-STANDARD SOLUTIONS TO COMPLEX PROBLEMS

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.

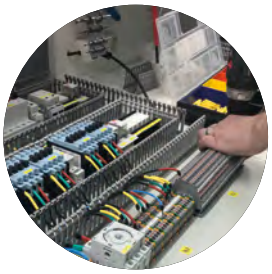
WE CREATE SMART SYSTEMS

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



LEAN CONCEPT

We use the lean manufacturing principle in organizing processes.
All systems are aimed at obtaining the greatest results with small resources.
This allows us to continually improve quality without increasing costs.

Regulated terms production for each type of product.
The presence of a large amount of ready-made equipment in the warehouse makes it possible to quickly provide the production facility

Using quality components from
Germany, Switzerland, Slovakia, Italy, Finland, France, Slovenia.

24/7 SUPPORT SERVICE.
On-line in a convenient way for you (by calling, contact via application, or by writing by email).

Equipping installations with energy-saving technologies,
which allows you to save up to 90% energy and reduce operating costs.

PAROC punker ROENEST GROUP ZIEHL-ABEGG SIEMENS
ABB APS AROSIO GRUNDFOS KLINGENBURG twe Schneider Electric WILO


AEROSTAR

Convenient equipment control from your smartphone with the Aerostar APP

Allows you to control it from anywhere in the world at any time:

- monitor equipment operation parameters
- adjust settings
- receive notifications about emergencies
- consult with the AEROSTAR customer service

Individual settings

All equipment on one screen

Personal schedule

Reports

Instant notifications of emergencies

Customer support

FOR ANDROID DEVICES

FOR IOS DEVICE

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