

AIRSYS



CYBERCOOL - MOD

Precision Air Conditioners
for Critical Applications

Cooling capacity: 27.7kW~210.1kW

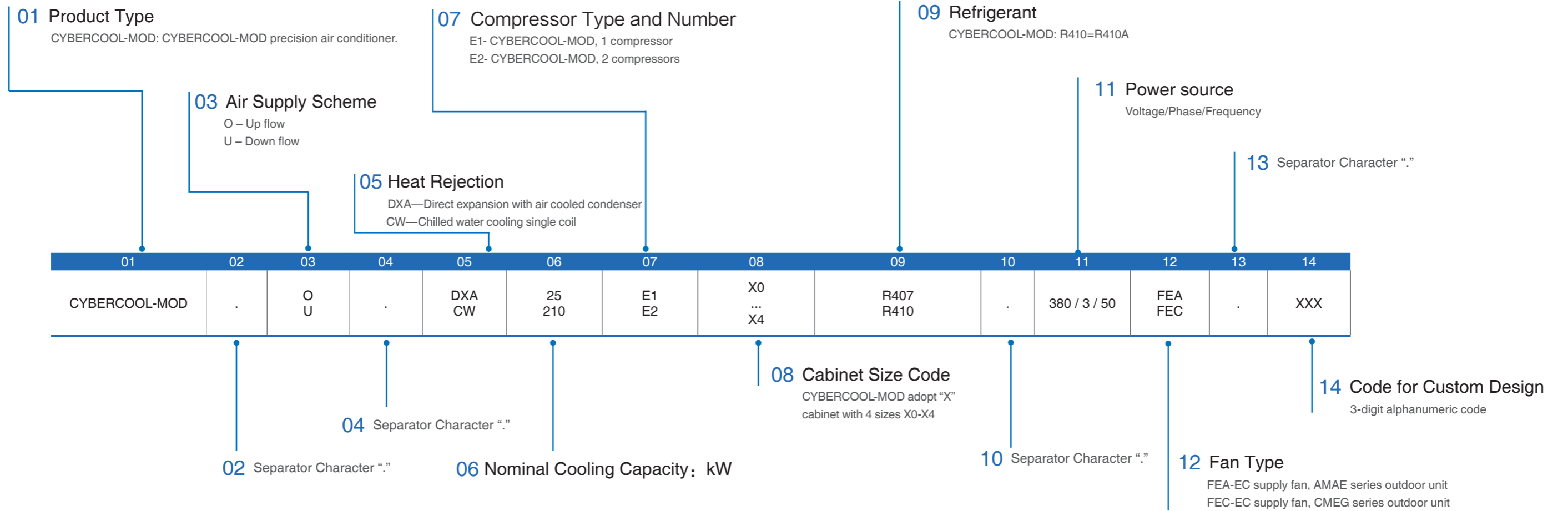


The CYBERCOOL-MOD product family from AIRSYS is designed specifically for medium to large data center installations. CYBERCOOL-MOD units combine precise temperature and humidity control with outstanding reliability and energy efficiency, throughout 24*7 operation.

The CYBERCOOL -MOD series is a versatile product which combines the advantages of traditional precision air conditioning with modular design technology, simplifying system expansion. New units can be integrated into an existing CYBERCOOL -MOD arrangement simply through a standard network cable connection.

The single coil chilled water system can directly use existing chilled water source as cold source, without outdoor air-cooled condensing unit. The unit has lower initial investment, more energy efficient and higher reliability.

Unit Identification



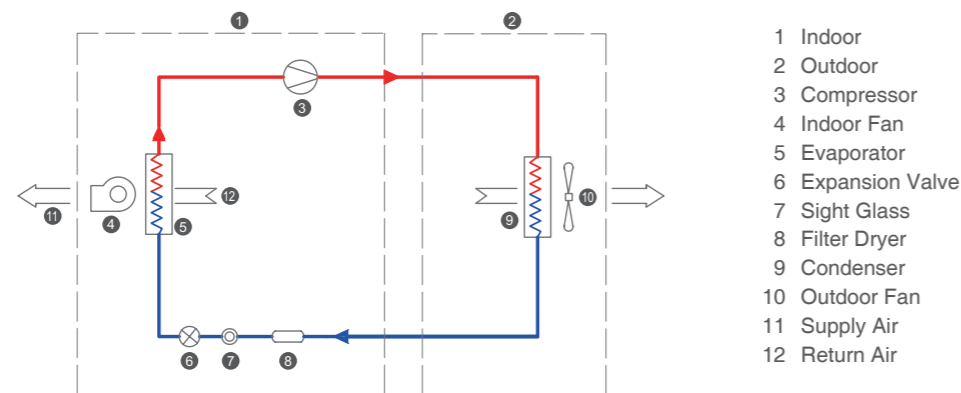
Cooling Schemes

Air cooled direct expansion system (DXA)

Air cooled direct expansion system (DXA) includes throttle, evaporator coil, scroll compressor and refrigeration piping configuration. Heat from the indoor air is transferred to the refrigerant at the evaporator coil and rejected to the outside air via the air-cooled condenser.

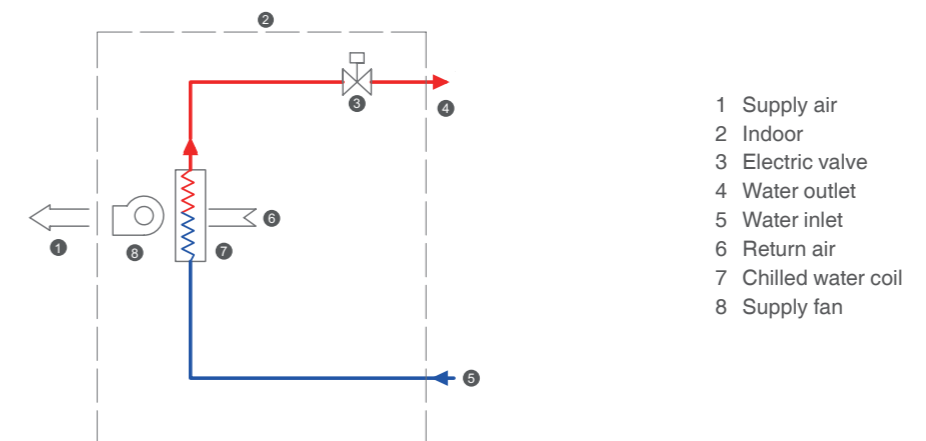
Indoor unit: CYBERCOOL-MOD.DXA

Outdoor unit: CMEG series air-cooled condenser, AMAE series air-cooled condenser.



Single coil chilled water system(CW)

The single coil chilled water system (CW) transfers heat from the indoor air directly to a chilled water circuit. The user can connect to a new or existing chilled water source.



Operating Range & Control Accuracy

DXA

Operating Range

Outdoor Temperature:

-40°C ~ +55°C (special options are available for extreme temperature conditions)

Piping Length:

Total length of 30 meters of gas and liquid refrigeration piping loop (consult AIRSYS sales representative for specific installation arrangement)

Piping Vertical Distance:

Condenser above indoor unit: max. 20m

Condenser below indoor unit: max. 5m

consult AIRSYS sales representative for specific installation arrangement)

Control Accuracy

Temperature Range and Accuracy:

Range: 15~35°C, Accuracy: ±1°C;

Humidity Range and Accuracy:

Range: 35~80%, Accuracy: ±5%

CW

Operating Range

Water pressure specification:

Higher than the system total pressure drop, but, lower than 150kPa

Pressure bearing capacity:

The system can bear the maximum pressure of 1.6MPa.

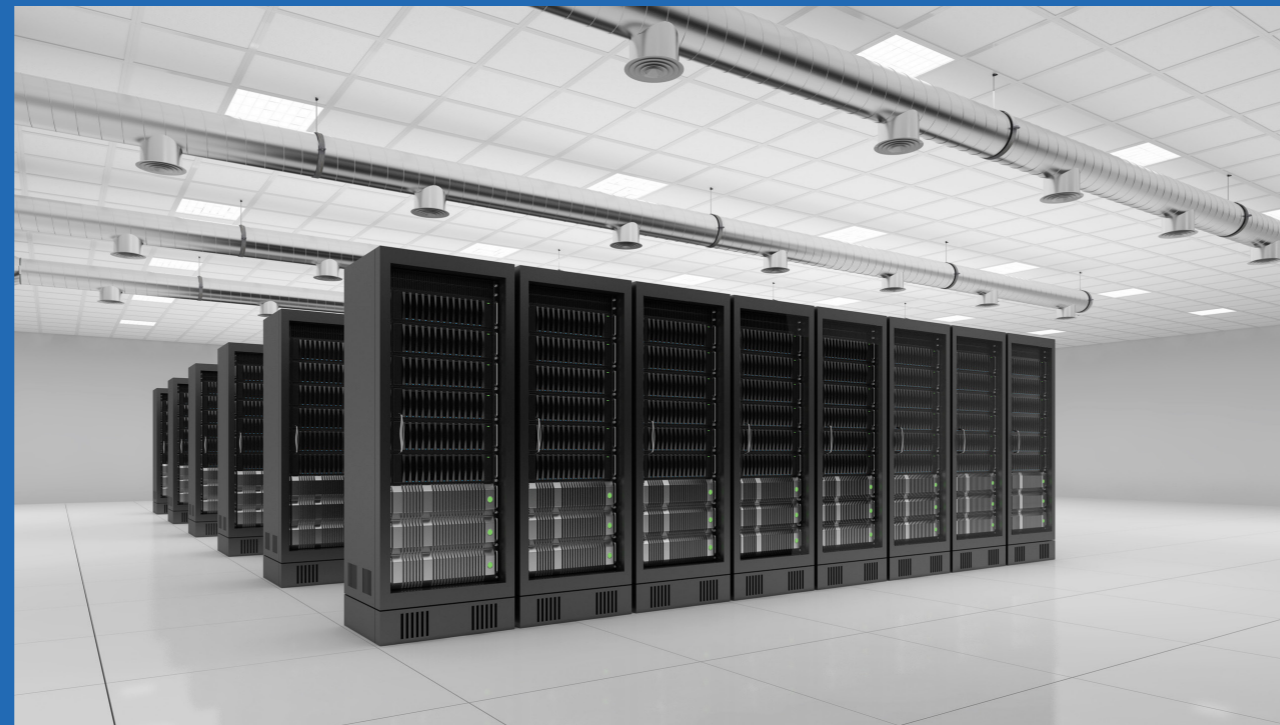
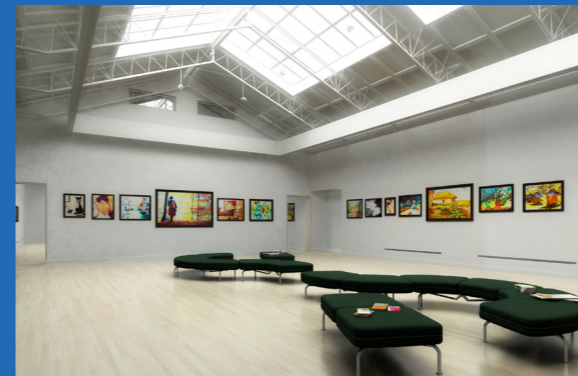
Control Accuracy

Temperature Range and Accuracy:

Range: 18~30°C, Accuracy: ±1°C;

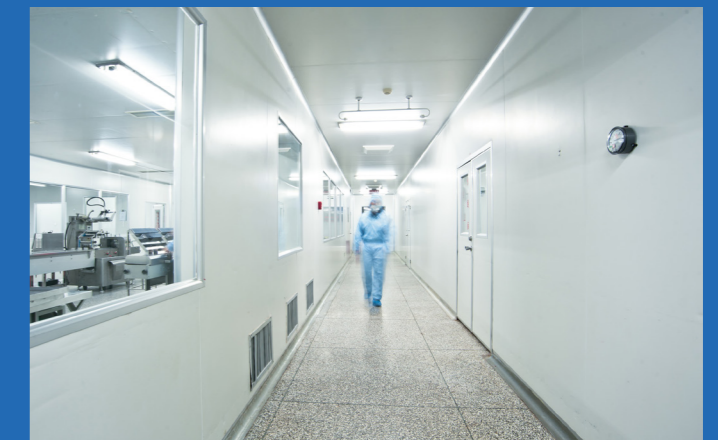
Humidity Range and Accuracy:

Range: 30~70%, Accuracy: ±5%



Application

- Computer Rooms and Data Centers
- Telecom Equipment Rooms and Shelters
- Other Electronic Equipment Rooms
- Healthcare Equipment Rooms
- Manufacturing facilities requiring precise environments



High Lights

Compact Structure, High Cold Density and Large Air Volume

CYBERCOOL-MOD units have compact structure and high cold density. Under the same cooling capacity, the units can save more space for user. The maximum amount of cold density can reach 75kW/m²

Flexible Arrangement

Unit modules are easily added and integrated, allowing the cooling system to respond quickly to expanding cooling needs of a data center.

Small Size and Quick Installation

CYBERCOOL-MOD units are smaller than more traditional room air conditioning units, making them significantly easier to transport in freight elevators and with standard equipment. Once at the installation site, a unit can be quickly unpacked and connected, optimizing the entire installation process and reduce installation costs.

Easy Maintenance

The technical compartment housing the compressor, humidifier, control and safety devices is separates from the air flow, enabling ordinary service and preventive maintenance to occur during operation.

Environmental-friendly

CYBERCOOL-MOD units have fewer solder joints than traditional units, which greatly reduces refrigerant leakage and emissions. The framework has great decay resistance performance with galvanized steel, which makes the unit more environmentally friendly.

Quick Response

Different modules can be concurrently produced and parts are both interchangeable and have short production cycles, ensuring a quick response in all situations.

High Efficiency

The CYBERCOOL-MOD product family incorporates numerous energy saving technologies; the average EER of module units is above 3.0.

Forced Dehumidification System

Adopt the way of reducing the air output to dehumidification. These features enable faster dehumidification, increased energy savings and more precise humidity control.

Environmentally Friendly Refrigerant

R410a is used in CYBERCOOL-MOD units, which meets the requirements of environmental protection refrigerants.

Precise Control

The control accuracy for temperature is $\pm 1^{\circ}\text{C}$ and for Relative humidity is $\pm 5\%$.

Scroll Compressor

Units are equipped with scroll compressors, which produce less vibration, lower noise and greater efficiencies.

Electrode Humidifier

An electrode humidifier, controlled by a microprocessor, monitors and adjusts the humidifying capacity precisely, while the water quality monitoring and wash extends the maintenance interval, prolonging the working life of the unit.

Electric Heater

The construction of the electric heater element (stainless steel pipe with wrapped fins) allows for a reduced operating temperature, therefore eliminating ionization, and avoiding unpleasant odors.

Various Supply Air Arrangements Available

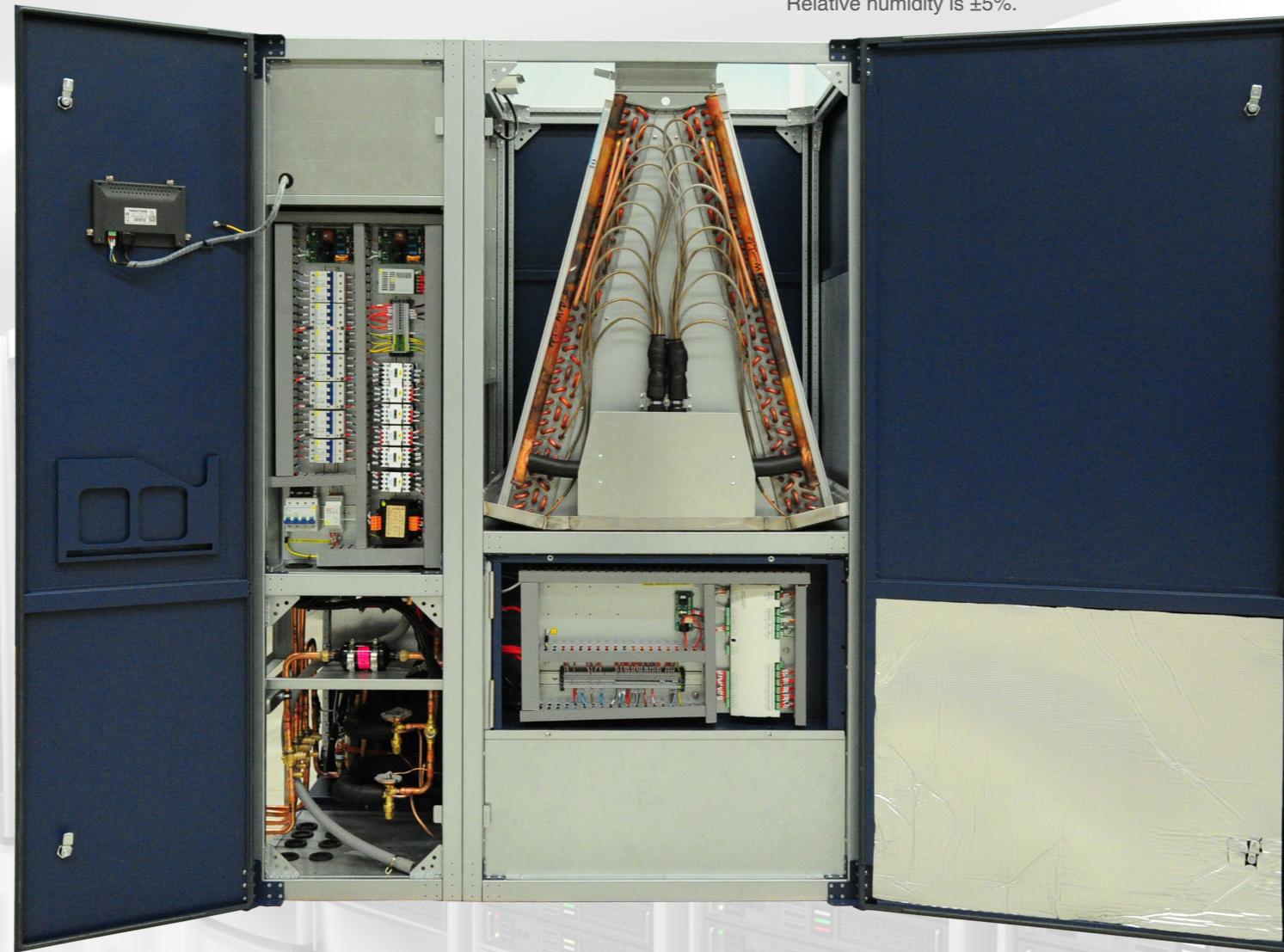
Supply air arrangements include top discharge (up flow) bottom discharge (down flow). Customizable arrangements ensure all ICT installation requirements can be met.

Self-diagnosis

All the microprocessor-connected components are continuously monitored and controlled and, in case of malfunction, the unit is shut down and the fault is shown on the display.

EC Fan

The EC motor with external rotor is highly efficient, reliable and compact. Through taking advantage of its variable speed ability, the unit can achieve energy savings through reducing the fan speed when possible and automatically adjusting the external static pressure and air volume in line with changing room conditions. The fan is housed within the unit for transportation, but can be lowered where a raised floor installation is required.



Air Filter

An easy maintainable and durable G4 class air filter is a standard configuration for the CYBERCOOL-MOD. With optional air pressure switch, a clogged filter alarm can be triggered when the filter is dirty.

Electronic Expansion Valve (Option)

Electronic expansion valves operate more swiftly and precisely than thermal expansion valves, resulting in better control of the system and increased energy efficiency.

Continuous Control System for Condensing Pressure(DXA)

The units collect the high pressure signal of the system in real time, control the speed of the outdoor fan according to the pressure signal, therefore maintaining refrigeration system pressure within a suitable range and ensuring the stable operation of the system.

When compared to On/Off condensing control, the system increases the energy saving significantly and extends the working life of the compressor. It also enables the unit to startup and work at low ambient temperatures (up to -40°C or lower).



Supply Air Temperature and Pressure Control

Supply air temperature control is typically applied to cold aisle cooling systems. As the cold aisle temperature profile is uniform (i.e. there is no short-circuiting of air), accurate reading of the supply air temperature is simple to obtain from the unit supply air discharge location.

Because the supply air and cold aisle air temperatures are equal, the cold air is supplied directly to the equipment requiring cooling and no energy is wasted cooling the rest of the room. Compared to return air temperature control systems, supply air control systems can operate at a higher supply air temperature under the same cooling demand conditions. As well as this, evaporating temperatures will typically be higher and therefore more energy efficient.

For down flow units utilizing supply air temperature control, the differential air pressure can be monitored to ensure the cool air has been evenly distributed to all the servers.

Energy Saving Technologies

Optional Energy Saving Running Modes

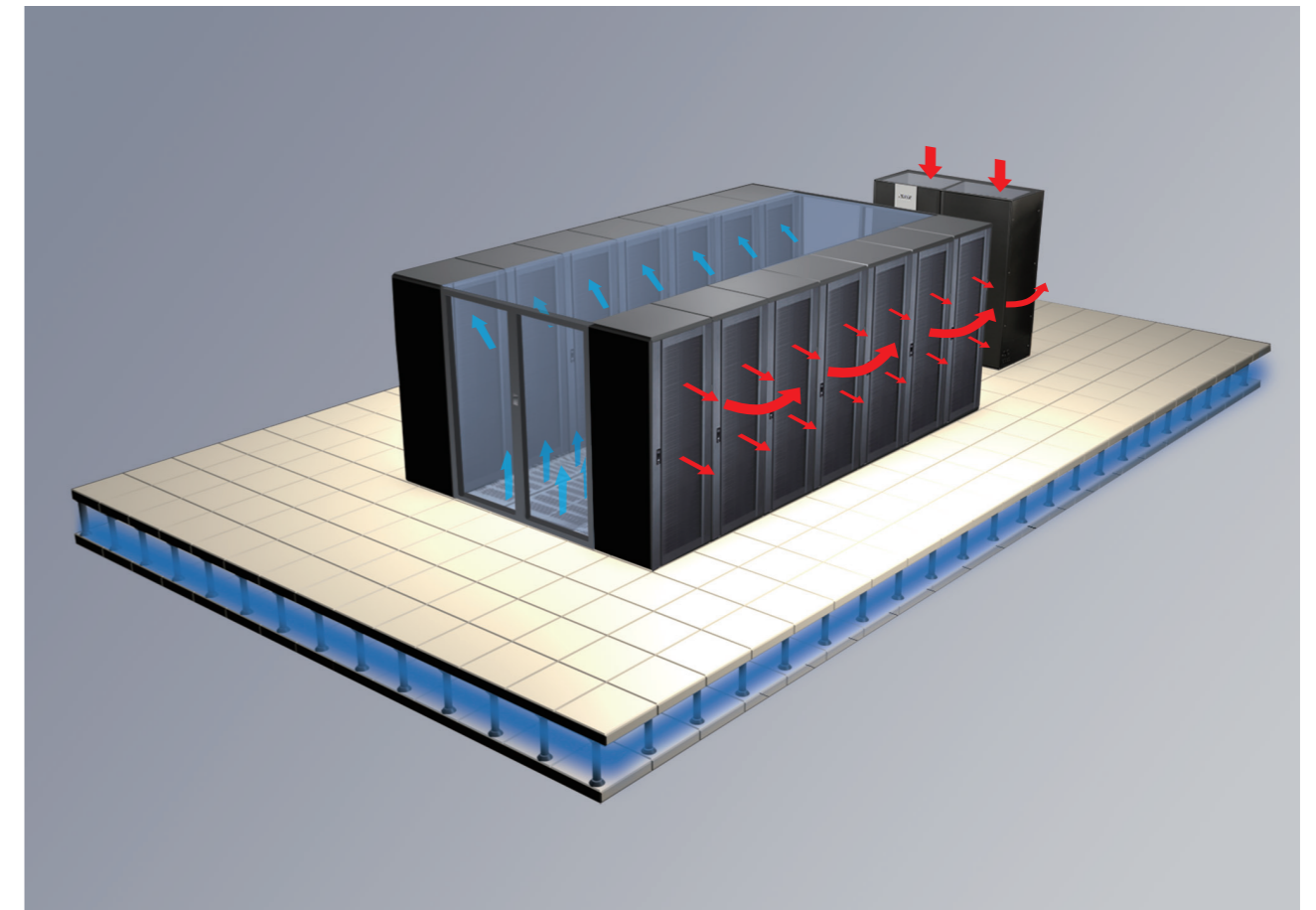
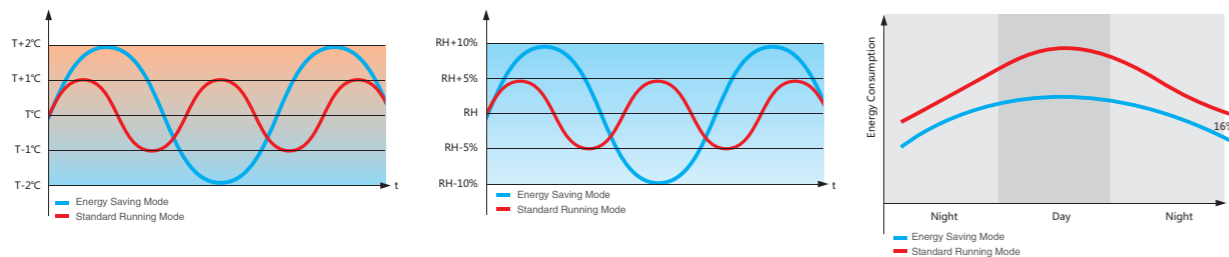
The OPTIMA family of products offers two running modes which may be chosen from the controller display:

Standard running mode:

In this mode, the temperature and humidity are controlled within narrower ranges;

Energy saving mode:

In this mode, good energy savings can be achieved through allowing the temperature and humidity to be controlled within wider ranges.



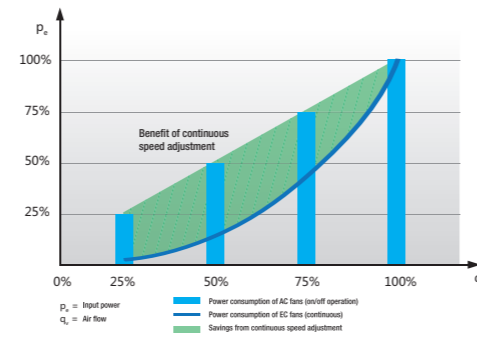
EC Fan

An EC fan refers to a centrifugal fan that utilizes an Electronically Commutated motor (or brushless DC motor). EC fans have numerous benefits including:

Energy Efficiency

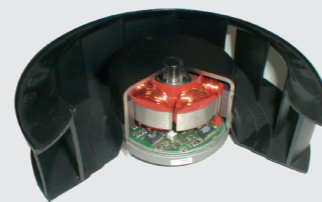
EC fans have brushless DC motors and integrated control modules. Motor efficiencies of 85-90% are achievable; 30% to 50% higher than traditional AC fans.

The difference in energy efficiency between variable speed EC fan control and traditional on/off fixed speed AC fans can be seen in the graph; the bars show the power consumption of fans which are switched in gradually as required while the blue curve shows the power consumption with infinitely variable speed control.



Compact, Integrated Electronic Control System

All EC fans have dedicated speed control modules and filters built into the motor assembly, making for a compact and self-contained solution. All that is required is to connect the main power supply and the sensor signals to the controller for complete speed control

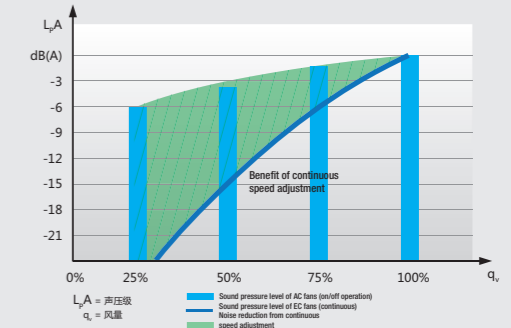


Lower Noise

In a given installation, switching off half the fans (and halving the air flow) will typically only reduce the generated noise by approximately 3 dB. Compare this to EC fans, where reducing fan speed to provide half the air flow typically yields a reduction of approximately 15 dB. This is possible as EC fans are able to operate across an infinitely controllable speed range, which in turn effectively avoids electromagnetic and rectifier noise (generated by other traditional motor and speed control devices), thus reducing the overall noise level.

In the graph, the bars indicate the sound pressure level of fans which are switched in gradually as required and the blue curve shows the sound pressure level with infinitely variable speed control.

As can be seen from the picture EC fan sound pressure level is 12dB lower compared to the traditional AC fan.



Wide Working Voltage

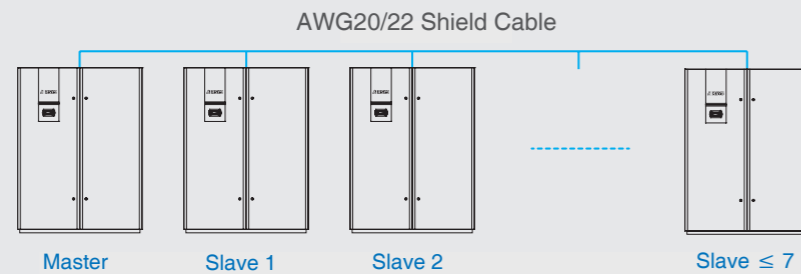
Wide AC input voltage range: 1~200-277VAC or 3~380-480VAC 50&60Hz

Wide DC input voltage range: 16-28VDC or 36-57VDC

Group Control

Continuous and reliable operation of the air conditioning systems is critical for the successful operation of data center equipment. As a result of the high proportion of power consumed by such air conditioning systems, energy consumption has been a challenge faced by modern data centers. AIRSYS precision air conditioners aim to address this challenge, in part, through effective group control and rotation functions. Such control

philosophies ensure consistent room temperature and humidity, together with continuous reliable operation (generally, by the addition of a spare unit for redundancy) whilst minimizing the total power required for the air conditioning. Group control and rotation functions will also typically extend unit life and effectively save energy by improving the overall management of the system.



Remote control and monitoring network

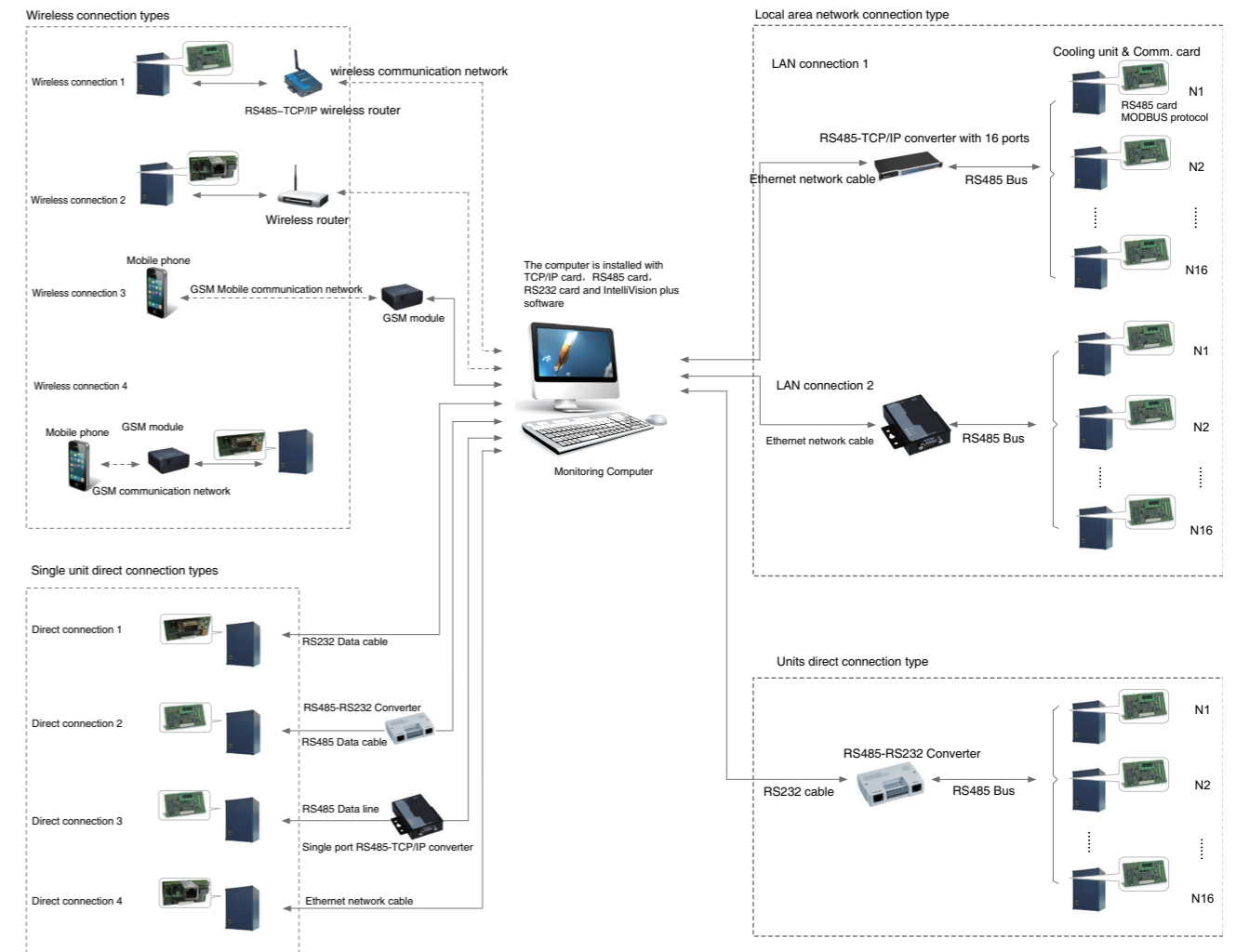
Networking and Monitoring of air conditioning equipment is typically a subsystem of a Building Management System (BMS) and provides centralized monitoring and management of all the air-conditioning equipment.

Thanks to years of experience in the production and application of precision air conditioning equipment, AIRSYS is able to provide a variety of monitoring systems ranging from simple SMS alarm monitoring to

the most sophisticated tERA cloud based GPRS wireless centralized monitoring system. There is a solution available to suit all sites and installations.

A given unit can be remote controlled or monitored via several means:

- 3 kinds of local direct cable connection
- 3 kinds of LAN network connection
- 4 kinds of wireless network connection



Unit configuration

CYBERCOOL-MOD Standard Configuration

Standard Configuration	CYBERCOOL-MOD.DXA	CYBERCOOL-MOD.CW
Galvanized steelframe	●	●
Galvanized steel panel with internal thermal and acoustic insulation	●	●
Copper tube aluminum fin coil	●	●
Condensate water tray	●	●
G4 class air filter	●	●
Temperature and RH sensor at return air inlet	●	●
Microprocessor control	●	●
Electrical control panel	●	●
Stainless steel electric heater, various capacities available	●	●
Phase sequence protection	●	●
Integrated RS485 communication and clock function	●	●
Electrical controls and refrigeration systems contained within independent module units	●	—
Hermetic fixed frequency scroll compressor	●	—
Rubber vibration absorber for compressor	●	—
External equalizer thermostatic expansion valve	●	—
Sight glass	●	—
Dry filter	●	—
High pressure transducer	●	—
Pressure switch for high/low pressure protection	●	—
Continuous control system for condensing pressure	●	—
EC centrifugal fan	●	●
Floor water leakage alarm kit	○	●
Motorized 2-way valve	—	●

Note: "●"standard configuration, "○"optional configuration, "—" no option available.

CYBERCOOL-MOD Options

Option	CYBERCOOL-MOD.DXA	CYBERCOOL-MOD.CW
Air pressure switch for dirty filter alarm	○	○
Motorized non-return damper for up flow unit	○	○
Supply air plenum for up flow unit	○	○
Supply air plenum for down flow unit	○	○
Installation support stand with adjustable legs	○	○
Colored touch screen graphical user interface	○	○
Supply air temperature sensor	○	○
Supply air static pressure sensor	○	○
Floor water leakage alarm kit	○	●
Communication protocol converter	○	○
Electronic expansion valve	○	—
Motorized 3-way valve	—	○
Low temperature operation kit for outdoor temperature below -20°C	○	—

Note: "●"standard configuration, "○"option available, "—" no option available.

CYBERCOOL-MOD Electric Heater/Humidifier

CYBERCOOL-MOD.DXA

		X0	X1	X2	X3
Heat capacity (kW)	6	●	●	—	—
	12	—	—	—	●
	3	○	○	—	○
Humidification capacity (kg/h)	5	●	○	—	○
	8	○	●	—	●
	10	—	○	—	○
	15	—	○	—	○

Note: "●"standard configuration, "○"option available, "—" no option available.

CYBERCOOL-MOD.CW

		X0	X1	X2	X3
Heat capacity (kW)	4.5	—	●	—	—
	9	—	—	●	—
	13.5	—	—	—	●
Humidification capacity (kg/h)	3	—	●	○	○
	5	—	○	○	○
	8	—	○	●	●
	10	—	○	○	○
	15	—	○	○	○

Note: "●"standard configuration, "○"option available, "—" no option available.

Supply Air Plenum (Optional) Dimensions and Weight

CYBERCOOL-MOD.DXA

Cabinet size		X0	X1	X2	X3
Width	mm	1090	1455	-	2370
Depth	mm	965	965	-	965
Height	mm	470	470	-	470
Weight	Kg	32	55	-	87

CYBERCOOL-MOD.CW

Cabinet size		X0	X1	X2	X3
Width	mm	-	965	1880	2795
Depth	mm	-	990	990	990
Height	mm	-	470	470	470
Weight	Kg	-	68	94	115

Technical parameters

CYBERCOOL-MOD.DXA

Unit mode	25E1X0	30E1X0	35E1X0	40E1X1	40E2X1	50E2X1	60E2X3	70E2X3	80E2X3	90E2X3	100E2X3	
Supply air scheme(1)	O/U											
Capacity												
Total(2)	kW	27.7	32.7	38.1	42.6	43.6	52.7	65.5	74.5	86.1	94.6	105.1
Sensible(2)	kW	25.8	30.1	34.7	40.1	41.0	48.0	61.6	69.3	79.2	87.0	95.6
Total(3)	kW	29.2	34.5	40.2	45.0	46.0	55.6	69.1	78.2	90.8	99.3	110.4
Sensible(3)	kW	28.1	33.1	38.6	43.2	44.2	53.4	66.3	75.1	87.2	95.4	105.9
Compressor												
Type	Hermetic scroll											
Compressor No.		1	1	1	1	2	2	2	2	2	2	2
Supply fan												
Type	Caseless backward AC centrifugal fan											
Qty. of fan	n.	1	1	1	1	1	2	2	2	2	2	2
Air volume	m ³ /h	7300	9000	9350	11500	11500	12500	18000	21000	24000	26500	28000
Air filter												
	G4 plate											
Electric heater(4)												
Type	Stainless steel electric heater											
Heating capacity	kW	6	6	6	6	6	12	12	12	12	12	12
Humidifier(4)												
Type	Electrode											
Capacity	kg/h	5	5	5	8	8	8	8	8	8	8	8
Outdoor unit(5)												
ModelxQty(6)		CMEG10*1	CMEG10*1	CMEG15*1	CMEG20*1	CMEG8*2	CMEG10*2	CMEG10*2	CMEG15*2	CMEG20*2	CMEG20*2	CMEG20*2
ModelxQty(7)		CMEG15*1	CMEG15*1	CMEG20*1	CMEG25*1	CMEG10*2	CMEG15*2	CMEG20*2	CMEG25*2	CMEG25*2	CMEG25*2	CMEG25*2
ModelxQty		AMAE8*1	AMAE10*1	AMAE12*1	AMAE15*1	AMAE6*2	AMAE8*2	AMAE10*2	AMAE12*2	AMAE15*2	AMAE18*2	AMAE20*2
Power supply												
Power source	380V/3Ph/50Hz											
Unit max operating power input	kW	15.9	18.1	20.0	23.9	18.9	19.3	32.6	36.0	42.0	44.6	49.4
Unit max. operating current	A	27.7	31.5	35.1	41.9	34.6	46.3	58.0	64.4	74.7	82.5	94.7
Unit piping connetion												
Humidifier water supply	in	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Condensing water drainage	in	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Refrigerant gas	mm	22	22	22	25.4	2x19	2x22	2x22	2x25.4	2x25.4	2x25.4	2x25.4
Refrigerant liquid	mm	16	16	16	16	2x12.7	2x16	2x16	2x16	2x16	2x19	2x19
Unit external dimensions and Weight												
Width	mm	1090	1090	1090	1455	1455	1455	2370	2370	2370	2370	2370
Depth	mm	965	965	965	965	965	965	965	965	965	965	965
Height	mm	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975
Weight	kg	310	330	360	400	450	480	650	700	735	790	800
Wooden package dimensions and Weight												
Width	mm	1200	1200	1200	1565	1565	1565	2480	2480	2480	2480	2480
Depth	mm	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085
Height	mm	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
Weight	kg	390	410	440	520	570	600	810	860	895	950	960

- (1) O:Up flow; U:Down flow;
- (2) Return air dry bulb temperature 24°C, RH50%, outdoor ambient dry bulb temperature 35 °C;
- (3) Return air dry bulb temperature 28°C, RH50%, outdoor ambient dry bulb temperature 35 °C;
- (4) The default capacity, please refer to "electric heater/ humidifier selection sheet" for other capacity;
- (5) CMEG adopts AC fan, AMAE adopts EC fan, choose according to demand;
- (6) If ambient temperature is lower than 43°C, please refer to CMEG series of air-cooled condensers for condenser model;
- (7) If ambient temperature is over 43°C and under 52°C, please refer to CMEG series of air-cooled condensers for condenser model;

CYBERCOOL-MOD.CW

Unit mode	40X1	60X1	80X2	90X2	100X2	120X2	140X2	160X3	180X3	210X3	
Supply air scheme(1)	O/U										
Capacity											
Total(2)	kW	47	61.8	81.8	95	107	122.3	141.9	162.5	185.1	210.1
Sensible(2)	kW	44.0	55.9	75.8	85.3	95.9	113.7	131.0	152.1	172.1	188.2
Total(3)	kW	47.9	64.1	83.1	92.1	103.1	124.7	143.7	166.8	188.8	215.6
Sensible(3)	kW	47.5	63.4	82.3	91.2	102.1	123.5	142.3	165.1	186.9	213.5
Cooling coil											
Water flow(2)	m ³ /h	7.6	10.3	14.9	14.9	18.0	21.8	25.1	29.1	33.0	37.7
Water pressure drop(coil+valve)(2)	kPa	65.0	71.0	71.0	71.5	55.8	71.7	79.9	60.7	72.3	82
Water flow(3)	m ³ /h	7.8	10.5	15.2	15.2	18.4	22.2	25.6	29.7	33.7	38.4
Water pressure drop(coil+valve)(3)	kPa	68.3	74.6	74.6	75.1	58.6	75.3	83.9	63.7	75.9	85.0
Supply fan(4)											
Type	Caseless backward EC centrifugal fan										
Qty. of fan	n.	1	1	2	2	2	2	2	3	3	3
Air volume	m ³ /h	11700	15500	20000	22500	25000	31000	33000	37500	40000	46000
Electric heater											
Type	Stainless steel										
Heating capacity	kW	4.5	4.5	9	9	9	9	9	13.5	13.5	13.5
Humidifier											
Type	Electrode										
Capacity	kg/h	3	3	8	8	8	8	8	8	8	8
Power supply											
Power source	380V/3Ph/50Hz										
Unit max. operating power input	kW	9.5	10.3	20.4	22.0	22.0	22.0	22.0	30.0	30.0	30.0
Unit max. operating current	A	11.0	15.6	31.2	33.6	33.6	33.6	33.6	45.8	45.8	45.8
Unit piping connetion (5)											
Humidifier water supply	in	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Condensing water drainage	in	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Chilled water inlet / outlet	mm	42	42	54	54	54	54	54	67	67	67
Unit external dimensions and Weight											
Width	mm	965	965	1880	1880	1880	1880	1880	2795	2795	2795
Depth	mm	990	990	990	990	990	990	990	990	990	990
Height	mm	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975
Weight	kg	330	350	525	540	560	740	780	900	910	1150
Wooden package dimensions and Weight											
Width	mm	1175	1175	2090	2090	2090	2090	2090	3005	3005	3005
Depth	mm	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085
Height	mm	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
Weight	kg	405	425	670	685	705	885	925	1090	1100	1340

- (1) O:Up flow; U:Down flow;
- (2) Return air dry bulb temperature 24°C, RH50%, inlet/outlet chilled water temperature 7°C/12°C;
- (3) Return air dry bulb temperature 28°C, RH40%, inlet/outlet chilled water temperature 10°C/15°C;
- (4) The fan of down flow unit need to sink to the floor;
- (5)Default pipe connection is at the bottom of the unit, welding pipe connection.

CMEG

Unit model		CMEG8	CMEG10	CMEG15	CMEG20	CMEG25
Capacity (1)	kW	29.6	35.4	47.6	67.4	73.1
Fan qty.	No.	1	1	2	2	2
Air flow rate	m ³ /h	10100	9700	11600	20100	19100
Input power	kW	0.63	0.63	0.74	1.26	1.26
Input current	A	3.0	3.0	3.4	6.0	6
Connection tube size						
Gas pipe	mm	22	22	22	28	35
Liquid pipe	mm	16	16	19	19	22
Unit external dimensions and Weight						
Width	mm	1340	1340	1540	2400	2400
Depth	mm	620	620	620	630	630
Height	mm	1070	1070	1070	1135	1135
Weight	kg	95	110	130	155	185
Wooden Package dimensions and Weight						
Width	mm	1426	1426	1600	2515	2515
Depth	mm	675	675	675	765	765
Height	mm	1250	1250	1250	1290	1290
Weight	kg	120	135	160	205	235

(1)The capacity is rated at entering air temperature 35°C and condensing temperature 50°C condition.

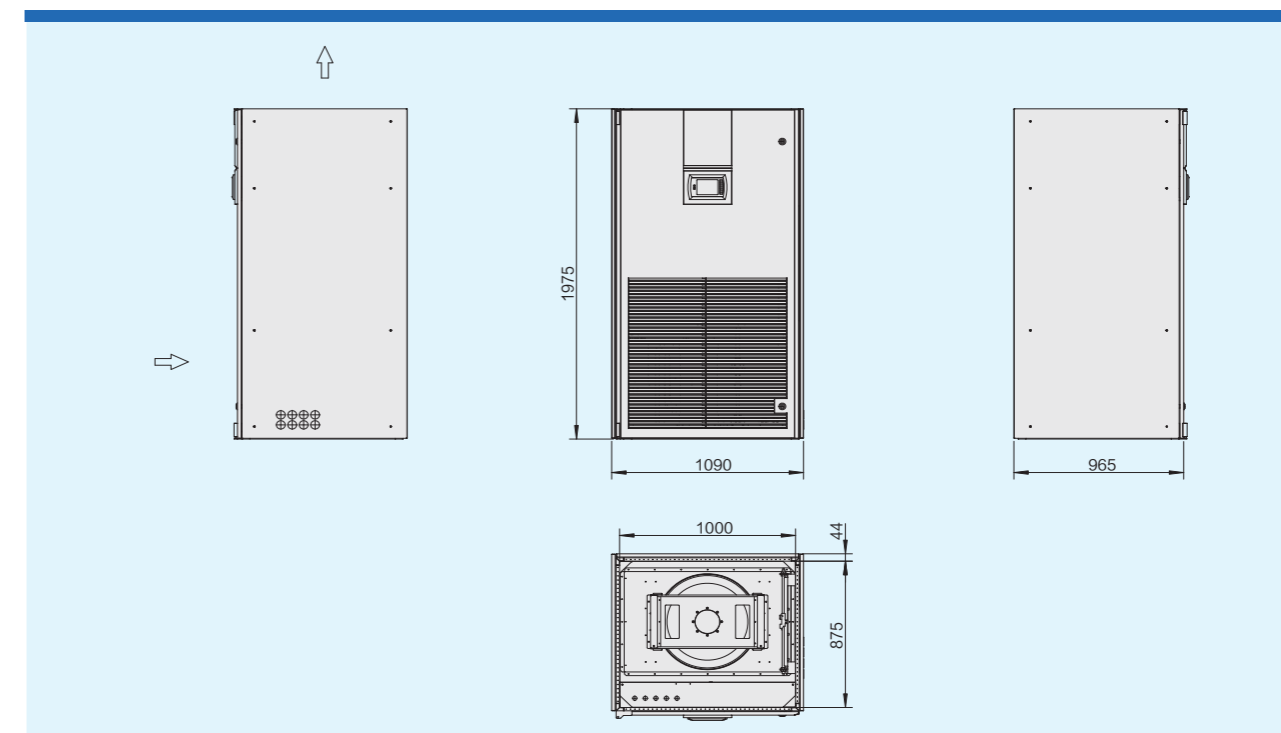
AMAE

Unit model		AMAE6	AMAE8	AMAE10	AMAE12	AMAE15	AMAE18	AMAE20
Capacity (1)	kW	29.7	36.2	41.3	50.7	57.2	62.4	74.3
Fan qty.	No.	1	1	1	2	2	2	2
Air flow rate	m ³ /h	11600	11800	11500	23500	22000	23400	22600
Input power	kW	0.63	0.63	0.63	1.26	1.26	1.26	1.26
Input current	A	2.8	2.8	2.8	5.6	5.6	5.6	5.6
Connection tube size								
Gas pipe	mm	19	19	22	22	22	22	28
Liquid pipe	mm	16	16	16	16	16	19	19
Unit external dimensions and Weight								
Width	mm	1365	1665	1665	1985	1985	2785	2785
Depth	mm	620	620	620	620	620	620	620
Height	mm	1080	1080	1080	1080	1080	1080	1080
Weight	kg	116	135	152	173	182	206	220
Wooden packaging dimensions and Weight								
Width	mm	1480	1780	1780	2100	2100	2900	2900
Depth	mm	755	755	755	755	755	755	755
Height	mm	1235	1235	1235	1235	1235	1235	1235
Weight	kg	131	150	167	188	197	231	245

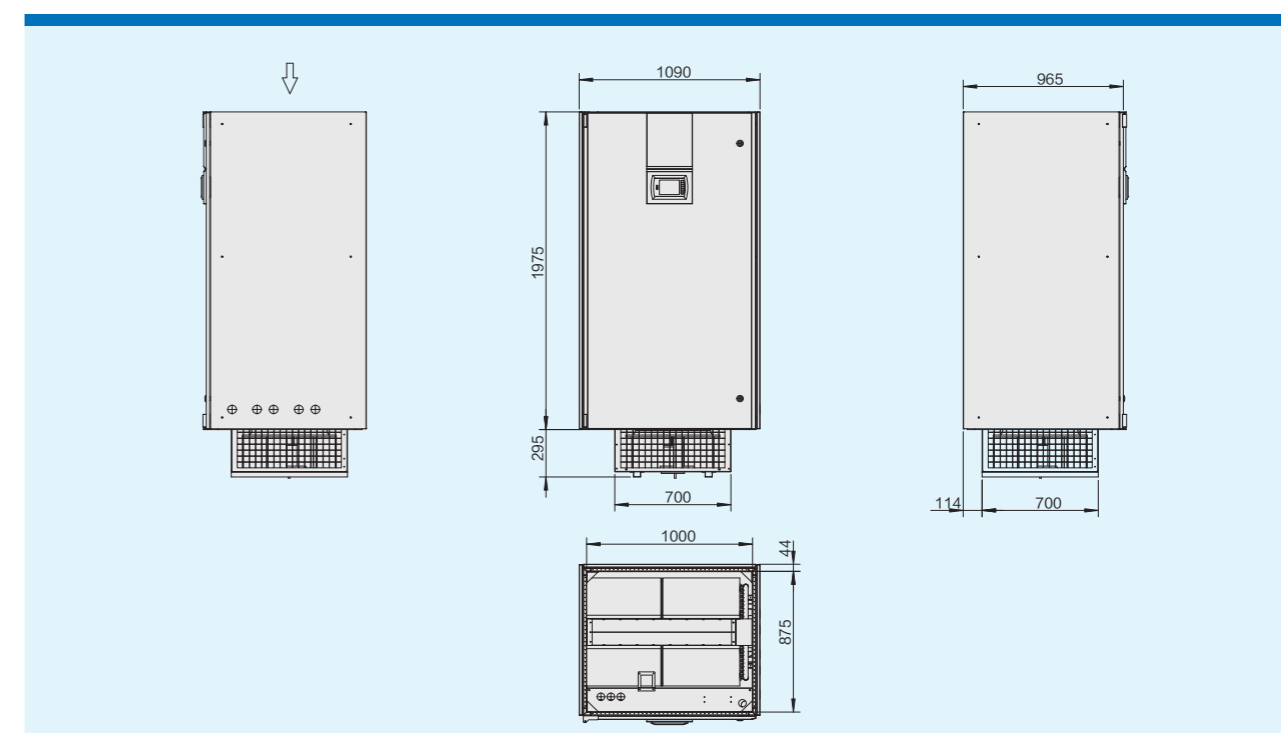
(1)The capacity is rated at entering air temperature 35°C and condensing temperature 50°C condition.

Unit Dimension Drawing

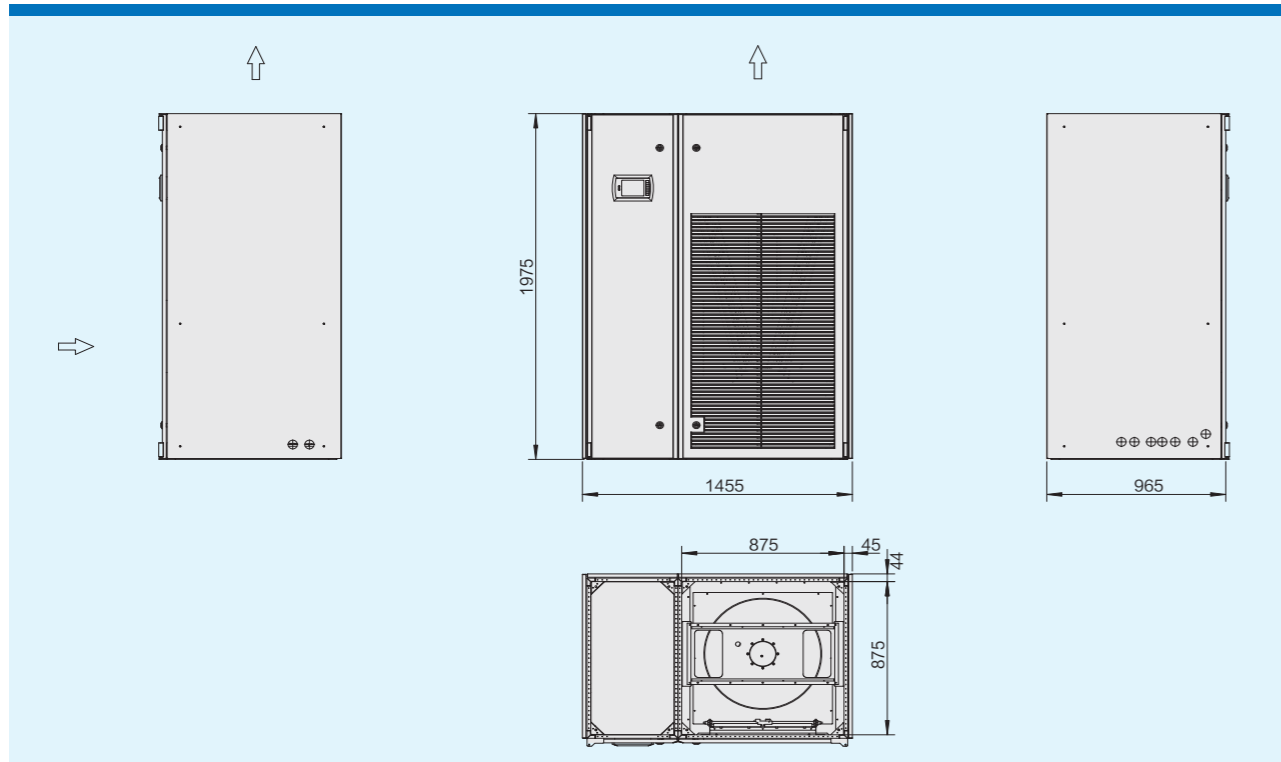
X0 Unit Cabinet Dimension Drawing For Up Flow Unit



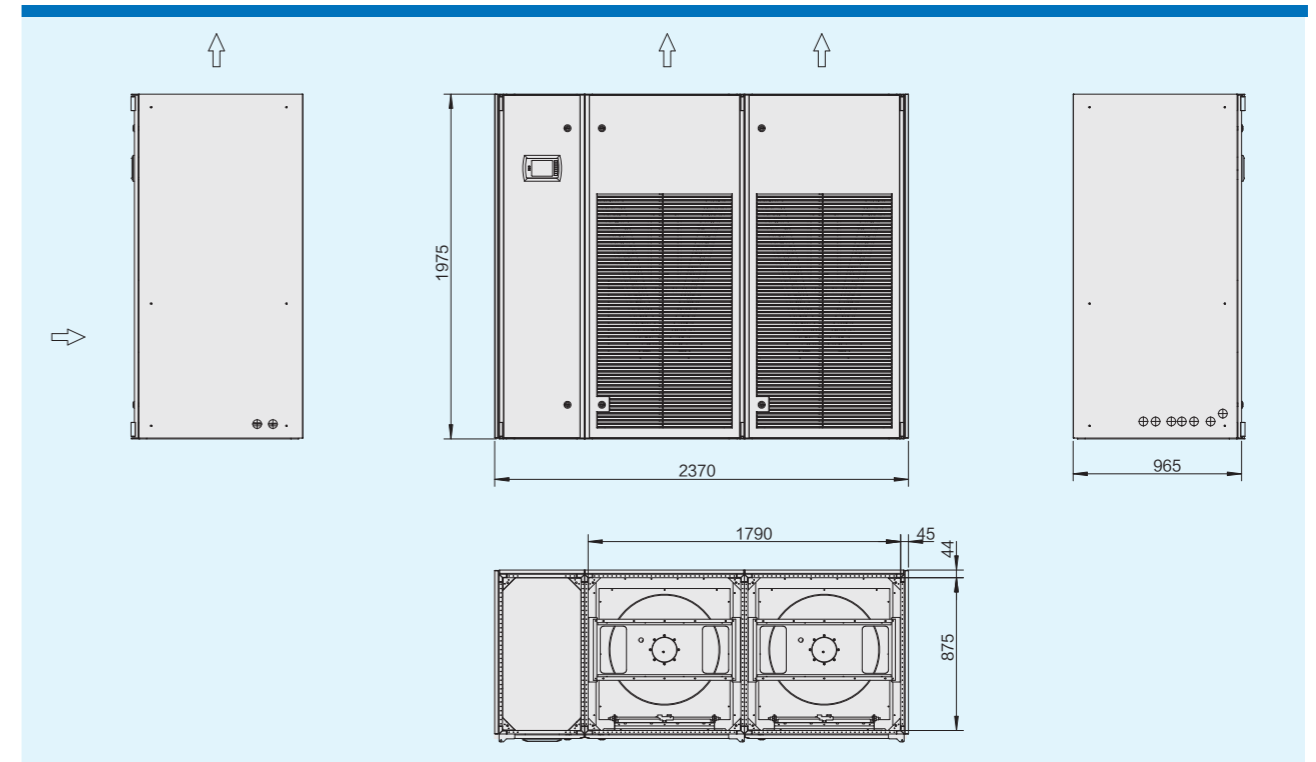
X0 Unit Cabinet Dimension Drawing For Under Flow Unit



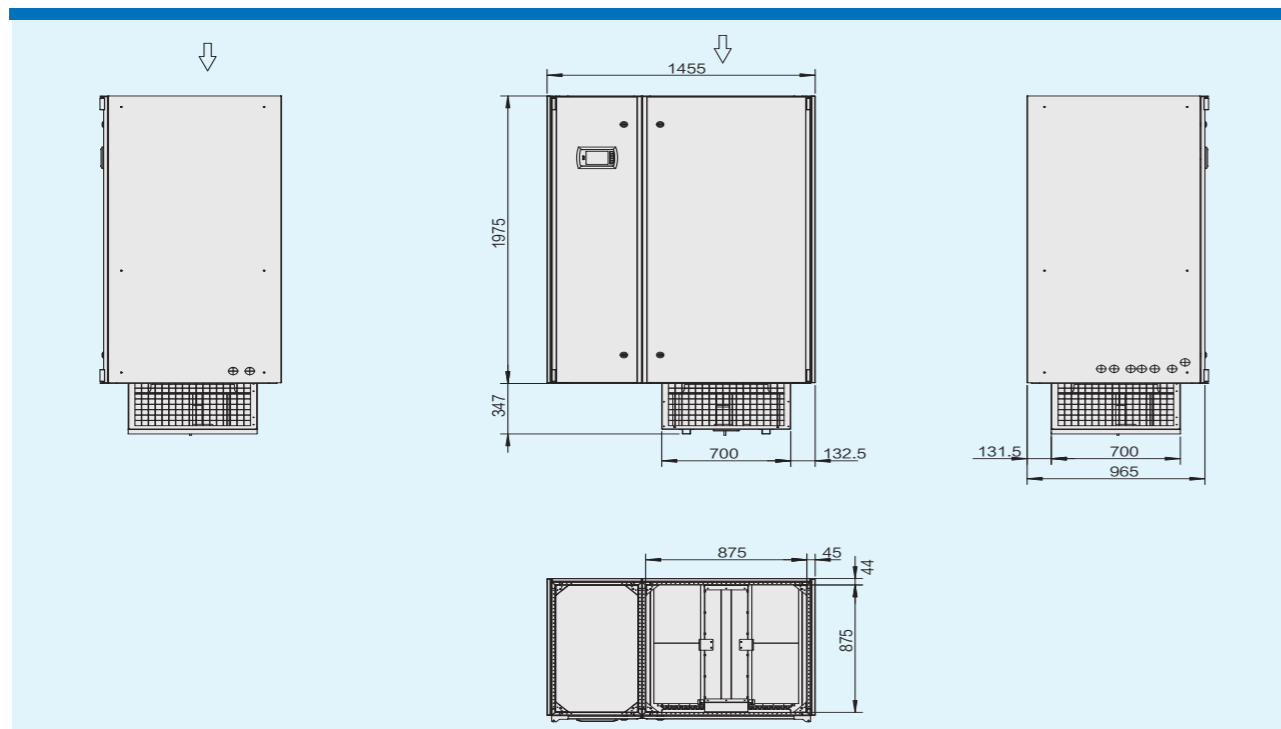
X1 Unit Cabinet Dimension Drawing For Up Flow Unit



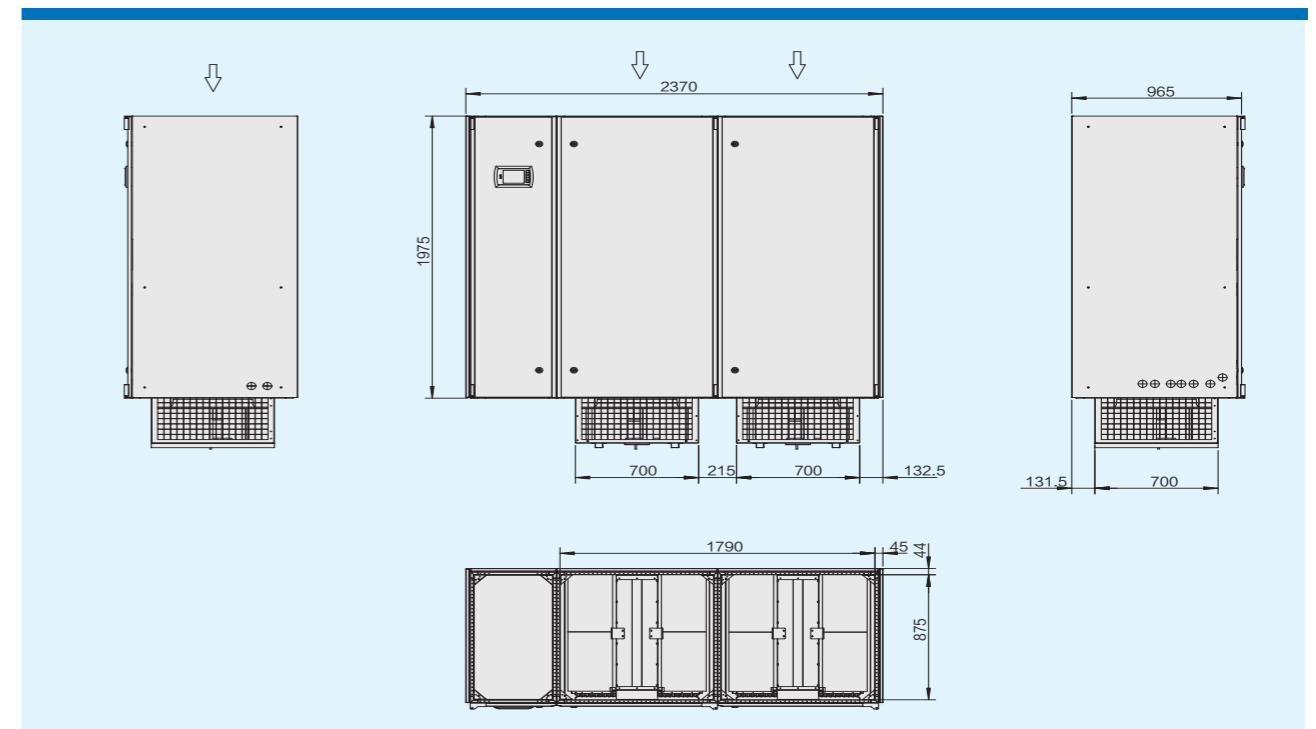
X3 Unit Cabinet Dimension Drawing For Up Flow Unit



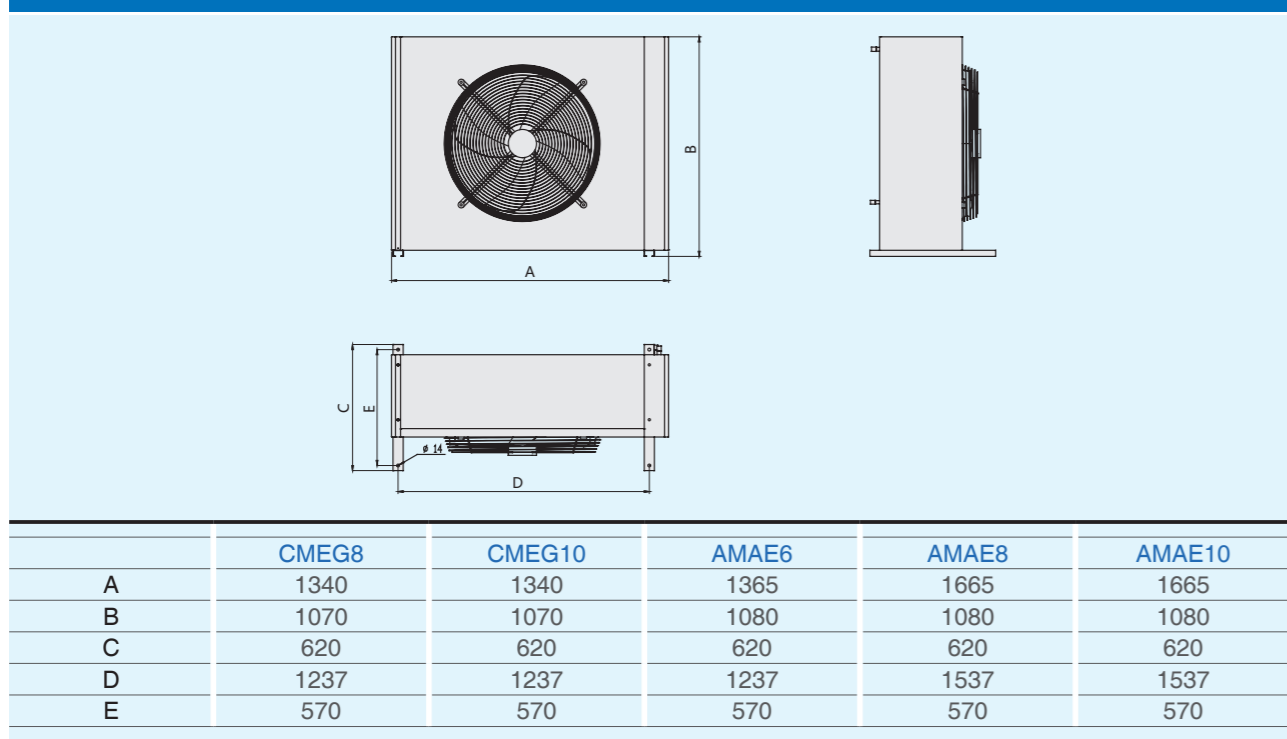
X1 Unit Cabinet Dimension Drawing For Under Flow Unit



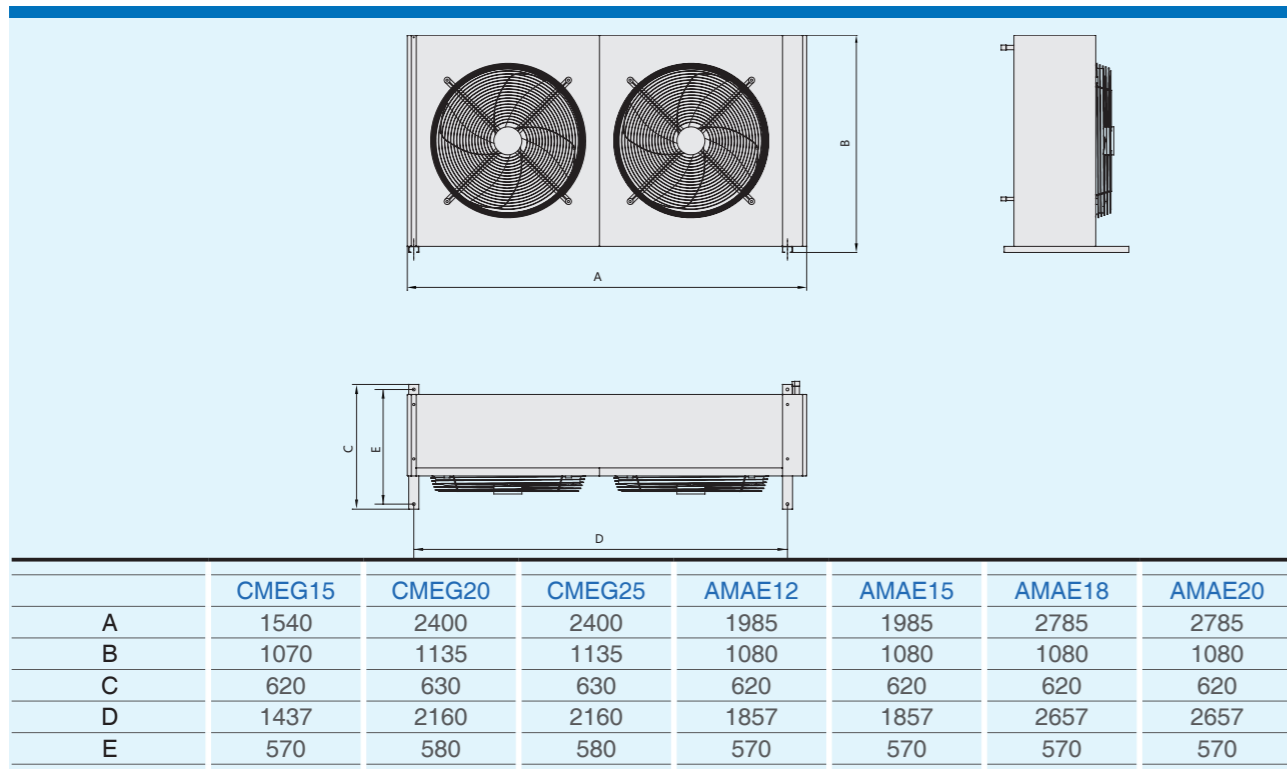
X3 Unit Cabinet Dimension Drawing For Under Flow Unit



CMEG&AMAE Dimension Drawing



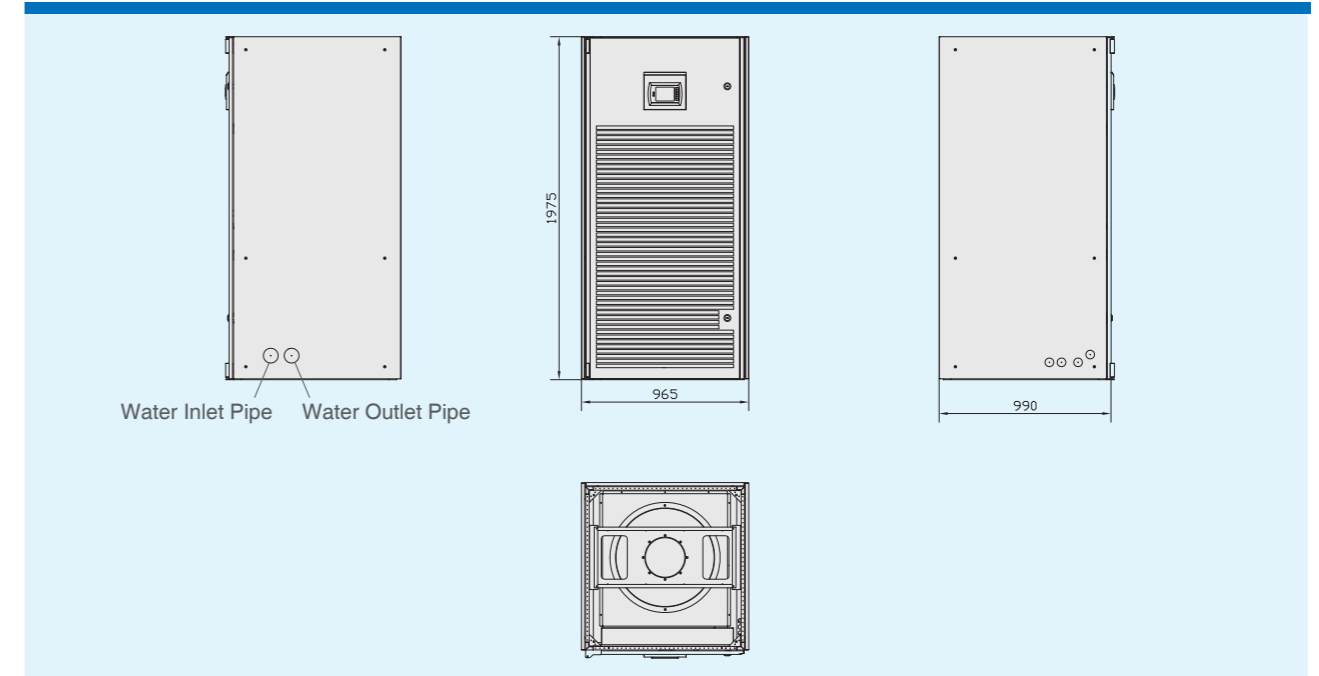
Remark: Vertical installation type is default, please indicate in the contract if horizontal installation type is required.



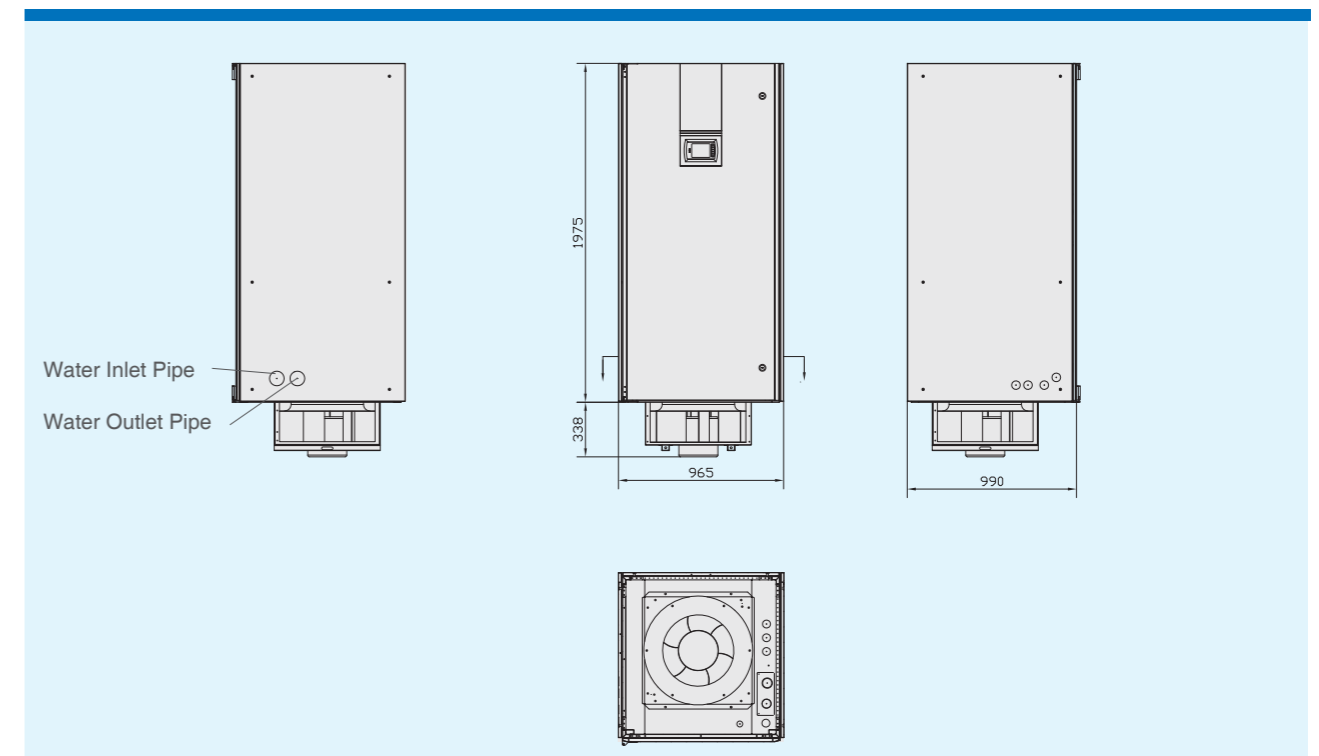
Remark: Vertical installation type is default, please indicate in the contract if horizontal installation type is required.

Unit Dimension Drawing

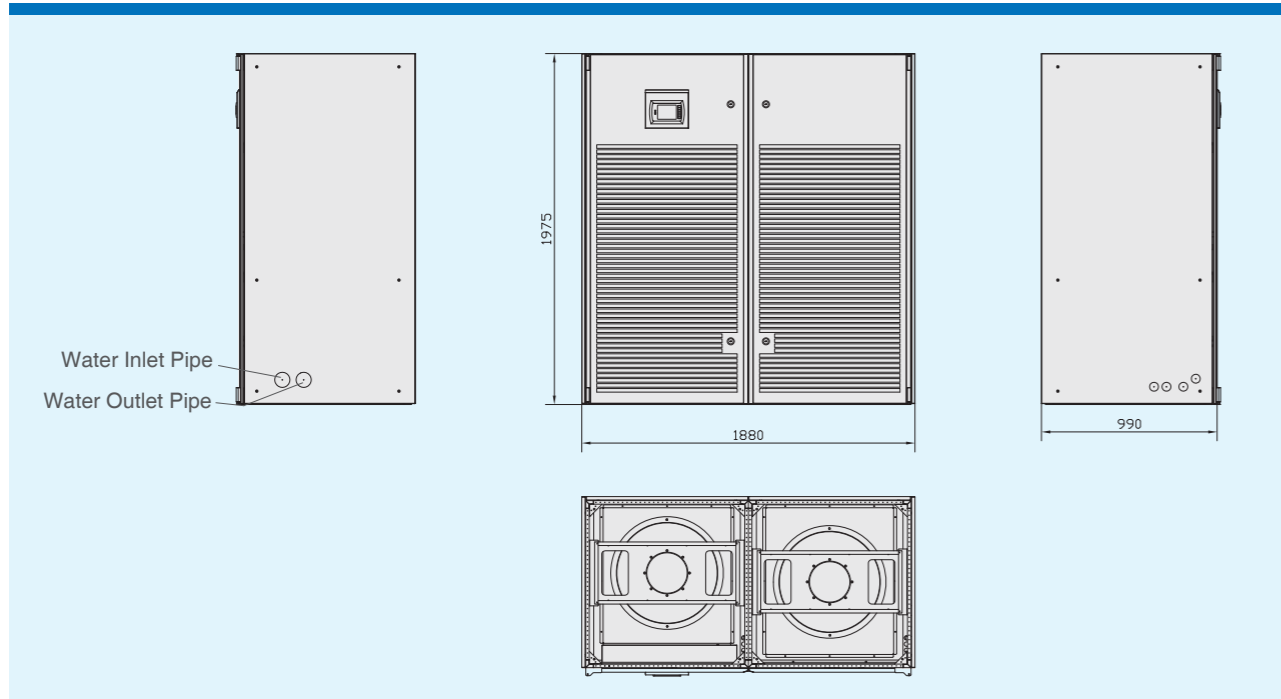
X1 Unit Cabinet Dimension Drawing For Up Flow Unit



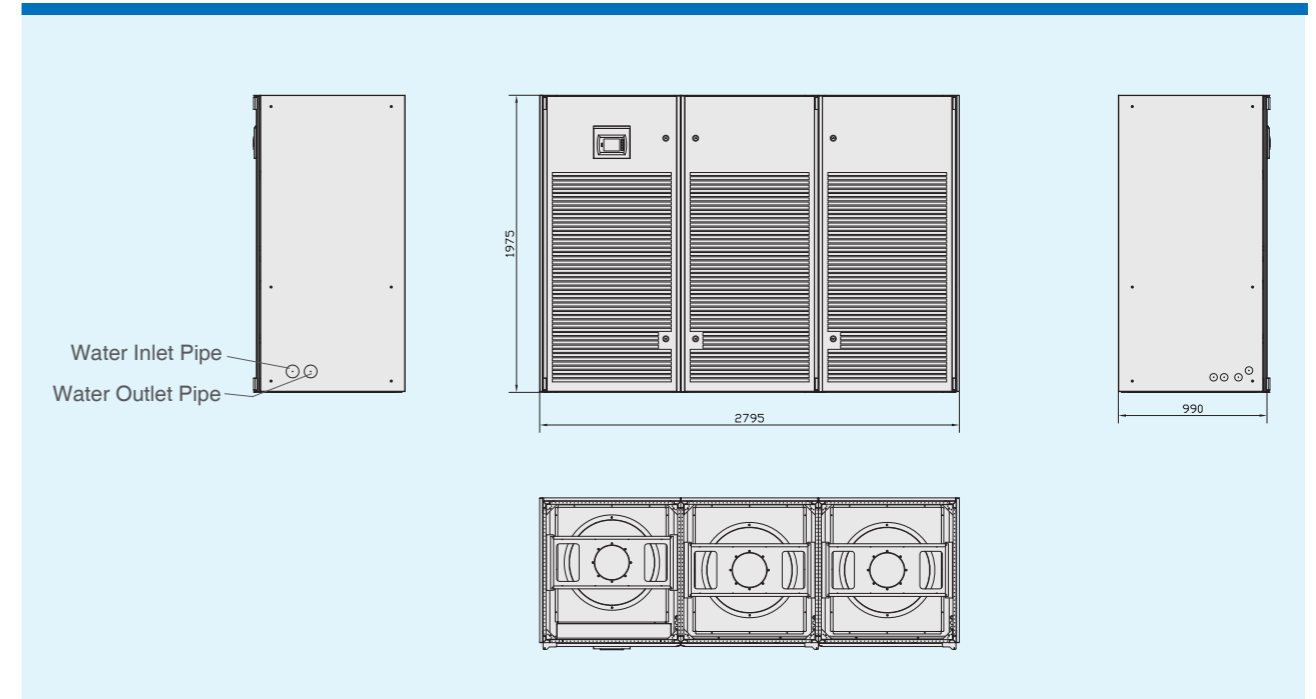
X1 Unit Cabinet Dimension Drawing For Under Flow Unit



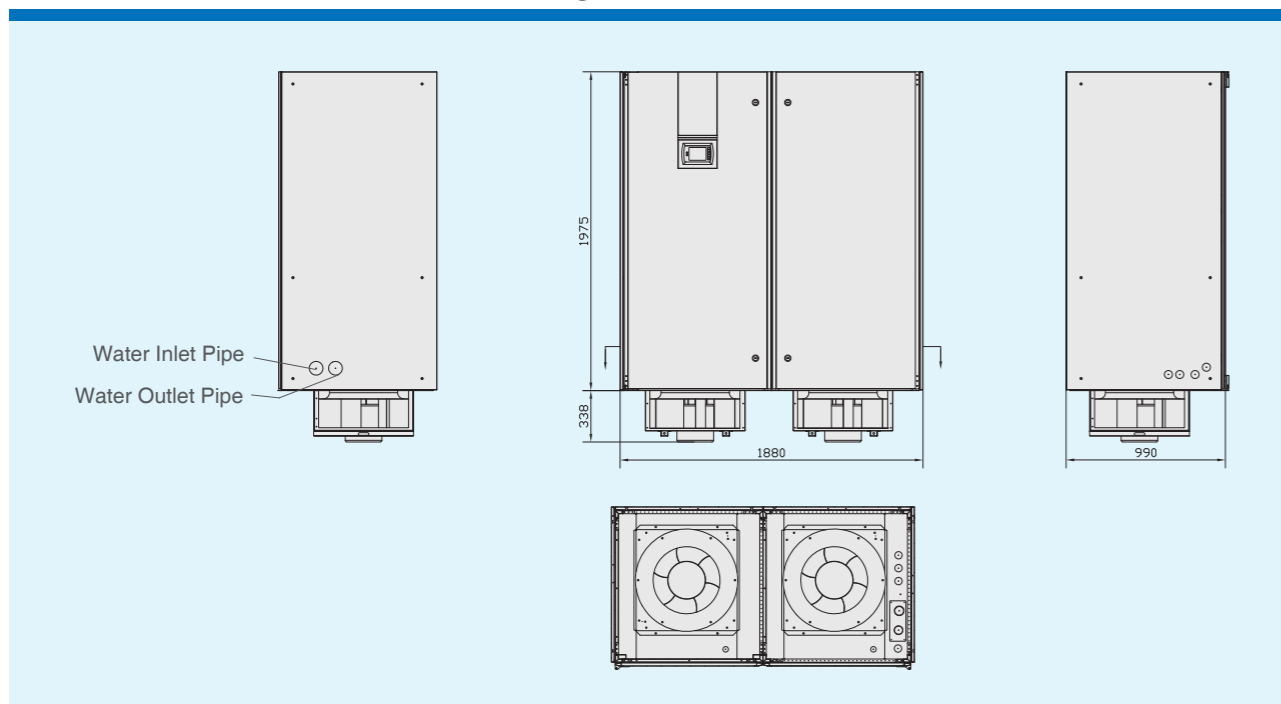
X2 Unit Cabinet Dimension Drawing For Up Flow Unit



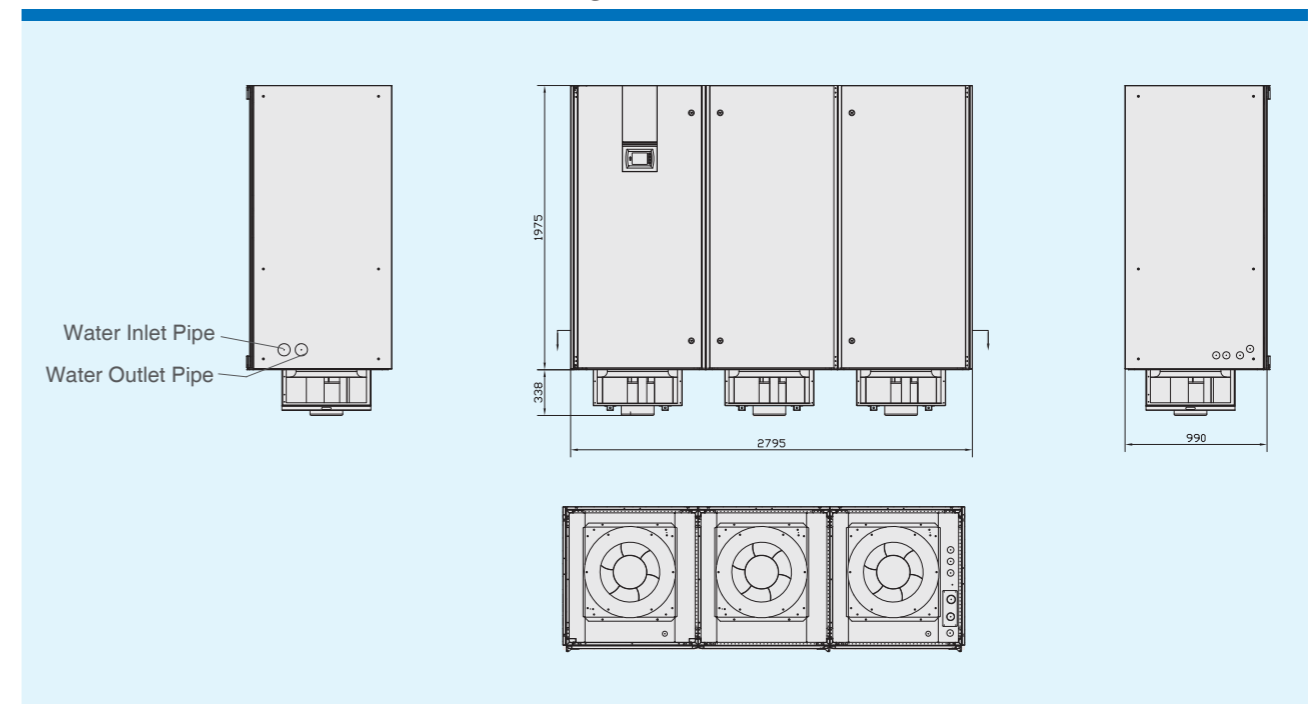
X3 Unit Cabinet Dimension Drawing For Up Flow Unit



X2 Unit Cabinet Dimension Drawing For Under Flow Unit



X3 Unit Cabinet Dimension Drawing For Under Flow Unit





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Product design and specification subject to change without prior notice.