



COOLTEC

# PRODUCT BROCHURE



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COOLTEC COOLING TECHNOLOGY(QINGDAO) CO., LTD.

# COMPANY PROFILE

Cooltechx leads in industrial refrigeration, seamlessly blending R&D, manufacturing, and global trade. Our cutting-edge products serve energy storage, telecommunications, utilities, and data centers worldwide. Dedicated to excellence, technological innovation, and top-tier service.

## Business Partners



## Certificates



# Product Collection



COPELAND/  
PANASONIC  
HIGHLY/MITSUBISHI



ZIEHL-ABEGG



CAREL



ZIEHL-ABEGG  
FANS-TECH



SCHNEIDER  
ELECTRIC



CAREL



SANHUA



BELIMO

\* Only No.1 & No.2 industry recognized brands are selected for the key components of product solutions

# 8-Step Quality Inspection Process



● Precision Air Conditioning/Data Centre Production Line



● Industrial Air-Conditioning Production Line

# Product Advantages

## I. Reliable and Stable Quality

- 1. Professional Design:** Crafted by a team of engineers with **20** years of experience.
- 2. Top-Quality Components:** Utilizes globally renowned brands such as **Emerson, Panasonic, Mitsubishi, and Highly.**
- 3. Rigorous Quality Inspection:** **100%** high-temperature quality inspection testing conducted in the laboratory to ensure superior product quality.

## II. Top-Notch Service

- 1. ODM/OEM Services:** Offers comprehensive customization services.
- 2. Flexible Customization:** Customization plans can be generated within **2 days** to meet personalized needs.
- 3. Rapid Response:** Professional team provides quick pre-sales and post-sales services.

## III. Strong Competitiveness

- 1. Multiple Certifications:** **UL, CE, TÜV** and other international authoritative certificates.
- 2. Eco-Friendly and Energy-Efficient:**
  - Saves **5%-20%** energy consumption, utilizing eco-friendly refrigerant R-1234yf, variable frequency design, and precise temperature control.
  - Features patented energy-saving designs.
  - Employs targeted heat dissipation technology.
- 3. Cost Control:**
  - Optimized structural design helps save material costs.
  - Mass production, bulk purchasing, and assembly line operations reduce overall costs.



# Industrial Enclosure Air conditioner

**Long service life:**  
work continuously without interruption for 15 years

**Eco-friendly refrigerant:** R134a/R1234yf

**Meets the requirements of ROHS**

**Modbus supported and RS485 terminal:**  
Easy to get remote monitoring

**IP54:** Protected against water and harmful dust

**All-round alarm signal output:**  
8 different alarming functions

**Specialized Customization:**  
Cooltec supports customized enclosure air conditioners

**Power Interval:**300-6000W



# Parameter list

Model	CTACG0326N	CTACG0526N	CTACG0826N	CTACG1026N
Overall dimension	500*300*168mm	508*300*216mm	550*280*280mm	950*400*241mm
Weight	20Kg	23Kg	23Kg	36Kg
Cooling capacity (L35/L35)	300W	500W	800W	1060W
Power consumption (L35/L35)	140W	280W	400W	420W
Max nominal current	1.4A	2.5A	3.5A	3.5A
Starting current	5A	5A	5.4A	5.4A
Operating temperature range	20°C-55°C	20°C-55°C	20°C-55°C	20°C-55°C
Noise	60dB(A)	60dB(A)	60dB(A)	65dB(A)
Refrigerant	R134a	R134a	R134a	R134a
Air volume	180m³/h	180m³/h	180m³/h	180m³/h
Power supply	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
IP code	IP54	IP54	IP54	IP54
Finish	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035

Model	CTACG1526N	CTACG2026N	CTACG3026N	CTACG4026N
Overall dimension	950*400*260mm	1580*400*295mm	1580*400*295mm	1580*500*340mm
Weight	40Kg	45Kg	52Kg	60Kg
Cooling capacity (L35/L35)	1560W	2000W	3000W	4000W
Power consumption (L35/L35)	636W	800W	1050W	1650W
Max nominal current	5.9A	8.6A	11A	17A
Starting current	11.7A	20.1A	20.1A	36A
Operating temperature range	20°C-55°C	20°C-55°C	20°C-55°C	20°C-55°C
Noise	65dB(A)	65dB(A)	68dB(A)	68dB(A)
Refrigerant	R134a	R134a	R134a	R134a
Air volume	310m³/h	420m³/h	500m³/h	520m³/h
Power supply	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
IP code	IP54	IP54	IP54	IP54
Finish	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035

**Project:**  
Singapore Rubber Gloves Automatic  
Production Line Control Cabinet

**Product:**  
800W wall-mounted air-cooled integrated  
machine

**Project:**  
Power Cabinet for a Customer's Factory In  
Indonesia

**Product:**  
3KW wall-mounted air-cooled industrial air  
conditioner integrated machine



Explanation: The "maximum starting current" refers to the maximum value in extreme conditions. The actual operating current is usually much lower than this figure.

# Outdoor Electric Enclosure Air Conditioner

**Long service life:**  
work continuously without interruption for 15 years

**Eco-friendly refrigerant:** R134a/R1234yf

**Meets the requirements of ROHS**

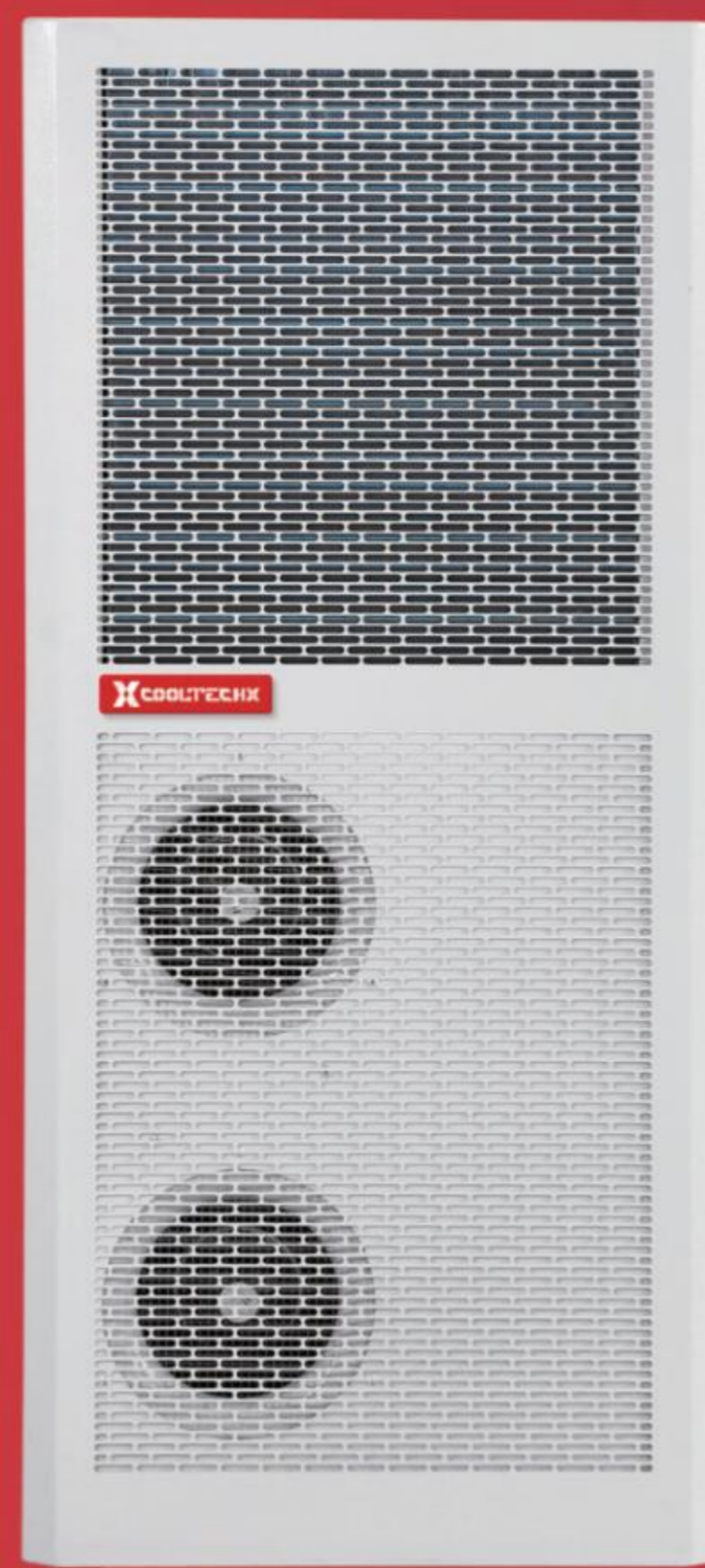
**Modbus supported and RS485 terminal:**  
Easy to get remote monitoring

**IP56:** Protected against water and harmful dust

**All-round alarm signal output:**  
8 different alarming functions

**Specialized Customization:**  
Cooltec supports customized enclosure air conditioners

**Power Interval:**600-10000W



## Parameter list

Model	CTACD0626W	CTACD0826W	CTACD1026W	CTACD2026W
Overall dimension	582*352*175mm	784*483*175mm	784*483*175mm	784*482*210mm
Weight	23Kg	28Kg	28Kg	32Kg
Cooling capacity (L35/L35)	600W	800W	1000W	2000W
Power consumption (L35/L35)	280W	360W	410W	750W
Max nominal current	2.5A	3.5A	3.5A	5A
Starting current	5A	5.4A	5.4A	15.6A
Operating temperature range	-40~55°C	-40~55°C	-40~55°C	-40~55°C
Noise	60dB(A)	65dB(A)	65dB(A)	65dB(A)
Refrigerant	R134a	R134a	R134a	R134a
Air volume	180m³/h	366m³/h	366m³/h	500m³/h
Power supply	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
IP code	IP56	IP56	IP56	IP56
Finish	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035

**Project:**  
Outdoor Power Distribution Cabinet  
Project for a City Government

**Product:**  
1.5KW wall-mounted air-cooled industrial  
air conditioner

**Project:**  
A Government Outdoor Electrical  
Prefabricated Cabin Project

**Product:**  
7.5KW wall-mounted air-cooled integrated  
machine

Model	CTACD3026W	CTACD4026W	CTACD5026W	CTACD7526W
Overall dimension	1190*521*225mm	1350*550*300mm	1350*650*300mm	1660*711*350mm
Weight	60Kg	70Kg	70Kg	85Kg
Cooling capacity (L35/L35)	3000W	4000W	5000W	7500W
Power consumption (L35/L35)	1050W	1300W	1600W	2500W
Max nominal current	7.5A	9.2A	11A	17.5A
Starting current	20.1A	36A	36A	72A
Operating temperature range	-40~55°C	-40~55°C	-40~55°C	-40~55°C
Noise	65dB(A)	70dB(A)	70dB(A)	75dB(A)
Refrigerant	R134a	R134a	R134a	R134a
Air volume	600m³/h	600m³/h	700m³/h	1100m³/h
Power supply	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
IP code	IP56	IP56	IP56	IP56
Finish	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035



Explanation: The "maximum starting current" refers to the maximum value in extreme conditions. The actual operating current is usually much lower than this figure.

# Telecom Cabinet Air Conditioner

**Long service life:**  
work continuously without interruption for 15 years

**Eco-friendly refrigerant:** R134a/R1234yf

**Meets the requirements of ROHS**

**Modbus supported and RS485 terminal:**  
Easy to get remote monitoring

**IP56:** Protected against water and harmful dust

**All-round alarm signal output:**  
8 different alarming functions

**Specialized Customization:**  
Cooltec supports customized enclosure air conditioners

**Power Interval:**600-2500W



**Project:**  
Communications Equipment Project in Chile

**Product:**  
2.5KW wall-mounted air conditioner  
- customized

**Project:**  
Brazil Communication Equipment Project

**Product:**  
1.5KW wall-mounted air-cooled integrated machine



## Parameter list

Model	CTACT0626W	CTACT1026W	CTACT1526W
Overall dimension	582*352*175mm	784*482*175mm	784*482*210mm
Weight	23Kg	28Kg	30Kg
Cooling capacity (L35/L35)	600W	1000W	1500W
Power consumption (L35/L35)	280W	410W	650W
Max nominal current	2.5A	3.5A	4.5A
Starting current	5A	5.4A	10.7A
Operating temperature range	-40~55°C	-40~55°C	-40~55°C
Noise	60dB(A)	65dB(A)	65dB(A)
Refrigerant	R134a	R134a	R134a
Air volume	180m³/h	366m³/h	366m³/h
Power supply	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
IP code	IP56	IP56	IP56
Finish	Outdoor powder RAL7035	Outdoor powder RAL7035	Outdoor powder RAL7035

Model	CTACT2026W	CTACT2526W
Overall dimension	784*482*265mm	1000*564*230mm
Weight	40Kg	55Kg
Cooling capacity (L35/L35)	2000W	2500W
Power consumption (L35/L35)	750W	850W
Max nominal current	5A	6A
Starting current	15.6A	20.1A
Operating temperature range	-40~55°C	-40~55°C
Noise	65dB(A)	70dB(A)
Refrigerant	R410a	R410a
Air volume	500m³/h	550m³/h
Power supply	AC 230V±10% 50/60Hz	AC 230V±10% 50/60Hz
IP code	IP56	IP56
Finish	Outdoor powder RAL7035	Outdoor powder RAL7035

Explanation: The "maximum starting current" refers to the maximum value in extreme conditions. The actual operating current is usually much lower than this figure.



Top-Mounted Air-Cooled integrated Unit



Built-In Air-Cooled Integrated Unit



External Air-Cooled Integrated Unit



Semi-embedded Mounting Air-Cooled



Side Mounting Air-Cooled

Cooltechx is customer-centric, empowering customers to build efficient, reliable, intelligent, and energy-saving energy storage systems with high-quality products and professional services.

**Project:**

Distributed Energy Storage System Project for a Customer in the Americas

**Product:**

12.5KW external air-cooled integrated unit



**Project:**

Energy Storage Project for an Asian Power Grid

**Product:**

Multiple 12.5KW rooftop air-cooled integrated units



**Project:**

Commercial Air-Cooled Energy Storage Project in Africa

**Product:**

Multiple 20KW indoor air-cooled integrated units



**Project:**

Integrated Energy Storage & Computing Solution for an Australian Client

**Product:**

Multiple 12.5KW rooftop air-cooled integrated units





Embedded Liquid Cooling  
5KW, 8KW



Top-Mounted Liquid Cooling  
3.5KW, 5KW, 10KW, 20KW



Side-Mounted Liquid Cooling  
5KW, 10KW, 15KW, 20KW  
30KW, 40KW, 50KW, 60KW



Embedded Horizontal  
Liquid Cooling



Inline Vertical  
Liquid Cooling



Standing Cabinet  
Liquid Cooling

Cooltechx is customer-centric, empowering customers to build efficient, reliable, intelligent, and energy-saving energy storage systems with high-quality products and professional services.

**Project:**

Korean Energy Storage Battery  
Manufacturer

**Product:**

Multiple 5KW liquid-cooled  
integrated units



**Project:**

Southeast Asia A power grid submerged  
liquid-cooled energy storage project

**Product:**

Several sets of 6KW overhead  
liquid coolers



**Project:**

Outdoor cabinet energy storage  
solution for petrol filling station  
for a customer in Singapore

**Product:**

3.5KW submerged liquid-cooled  
all-in-one unit



**Project:**

Commercial and Industrial  
Energy Storage

**Product:**

Several sets of embedded  
vertical liquid-cooled temperature  
control units



# Precision cooling Platform

# Success Cases



**Row Cool (air-cooling)**  
 1. 5.6- 90KW Split Type  
 2. 5.6 – 10.6KW Package Type



**Rack Cool (air-cooling)**  
 1. 3.9- 12KW Split Type  
 2. 3.5-5.5KW Package Type



**Ceiling Cool (air-cooling)**  
 1. 12- 36KW Indoor Split Type



**Wall Cool (air-cooling)**  
 1. 1.5- 30KW Package Type



**Rear Door Heat Exchanger (liquid cooling)**  
 1. DX type 25KW rear door heat exchanger  
 2. CW type 25-60KW rear door heat exchanger



**OceanCool – Immersion (liquid cooling)**  
 1. 25 - 1000KW Immersion cooling System



**ByteCool - Coldplate (liquid cooling)**  
 1. 10 - 350KW cold plate type liquid cooling System



**Room Cool (air-cooling)**  
 1. 5.5- 120KW Split DX Type  
 2. 26 – 280 KW CW Type

**Project:**

New IDC Room Construction in Taiwan

**Product:**

20 sets of 60KW inter-row chilled water precision air conditioners

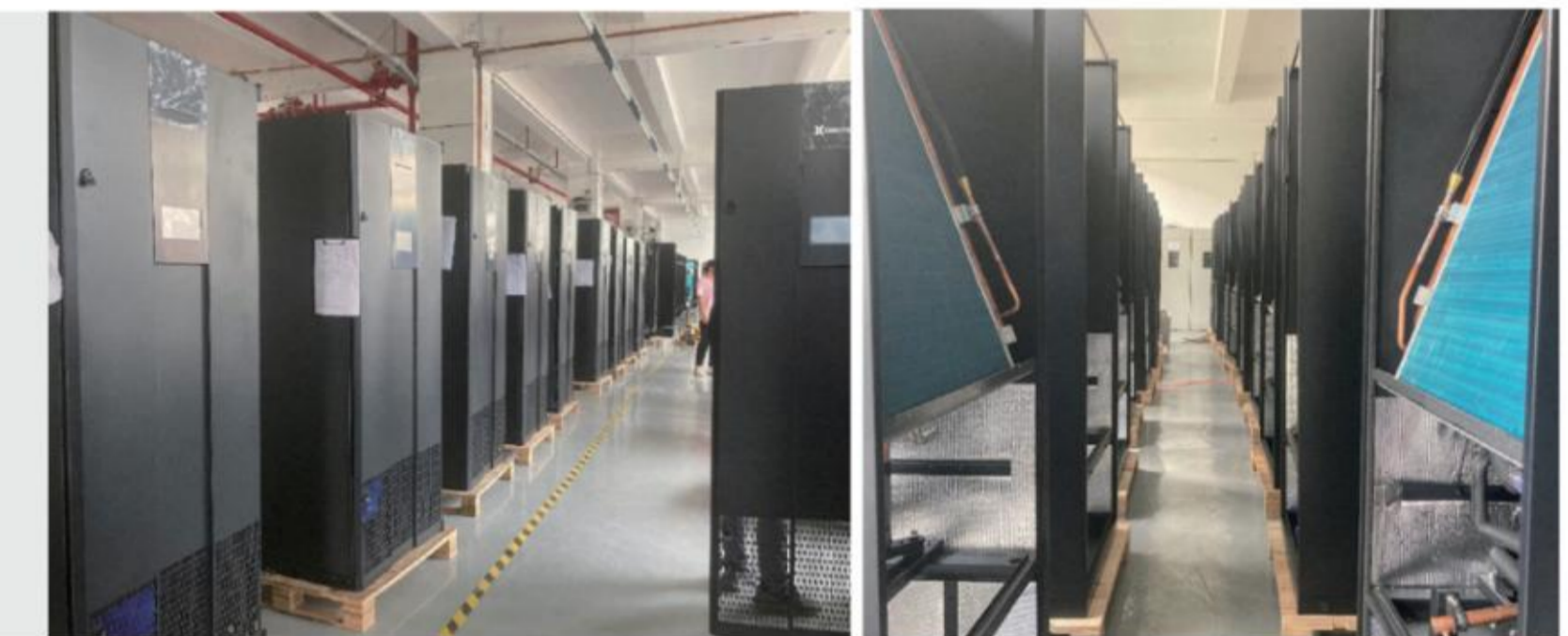


**Project:**

Data Room Expansion for a Bank in Pakistan

**Product:**

60 sets of 17.5KW room-level variable frequency precision air conditioners



**Project:**

Modular Container Data Center in Costa Rica

**Product:**

Modular container integrated air conditioning products



**Project:**

Data Center Product Line Expansion for Triplite in the USA

**Product:**

Full range of room air conditioning products





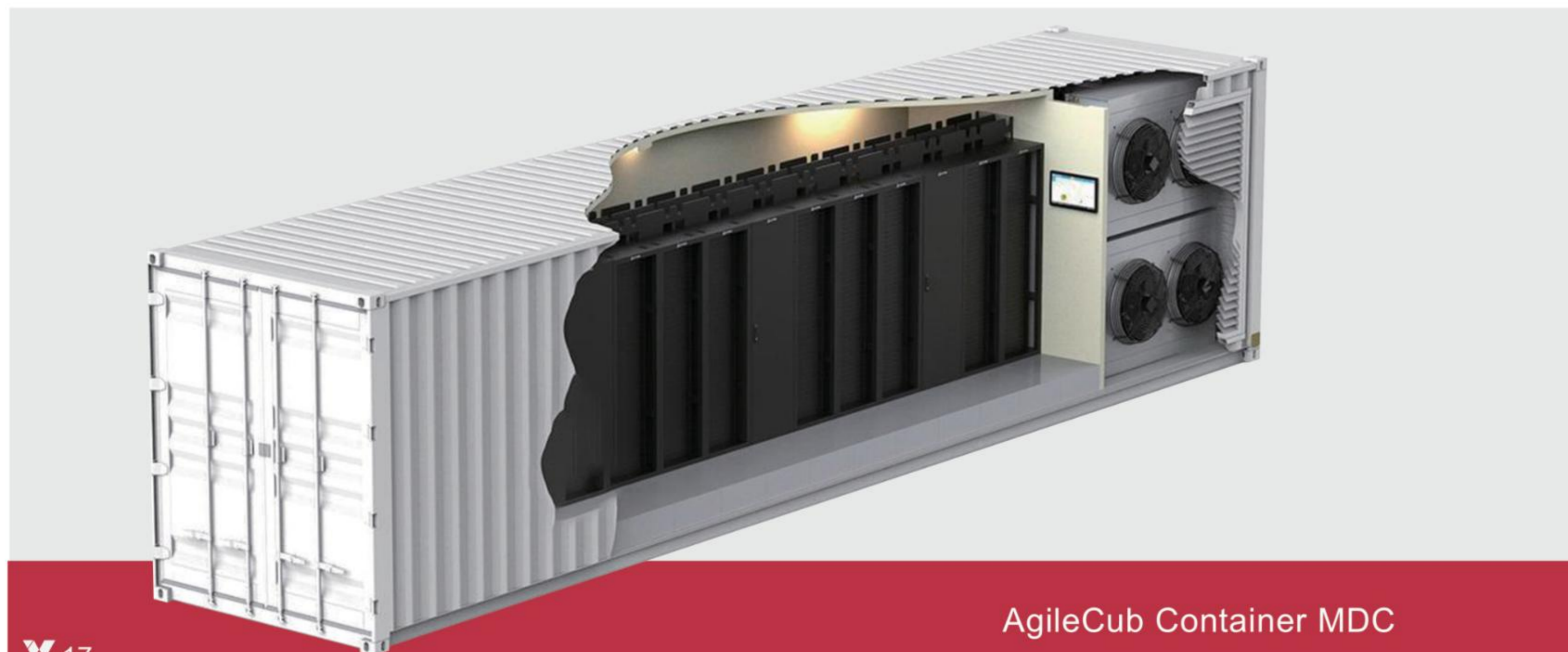
AgileMod Containment MDC



AgileHub Shelter MDC



AgileRax Rack MDC



AgileCub Container MDC



**Project:**

Micro Data Center Construction for a Caribbean Government Agency

**Product:**

Micro Data Center Solution, 2+4 configuration. Utilizes integrated air conditioning units without external condensers to cool 4 IT racks, expelling heat through ductwork.



**Project:**

New Data Center Project for China's three major operators

**Product:**

Micro Data Center Solution, 2+8 configuration. Integrates 2 units of 12.5KW in-row air conditioners, a 20KW UPS and power distribution system, environmental monitoring, etc.



**Project:**

AHG (Australian Automotive Distribution Group) Micro Modular Data Center Integration Solution

**Product:**

Customized 48U integrated cabinet with N+1 cooling and power systems, featuring a fully enclosed design, efficient cooling, dust resistance, noise reduction, and comprehensive monitoring system.




**Project:**


Lainey Group Micro Data Center Solution Expansion Project


**Product:**


Full range of micro data center products provided in ODM format.


# Customers' reviews


 M\*\*\*\*e Our company has been using this industrial air conditioner for a year, the performance is very stable and the cooling effect is very good.


The precision air conditioner in the data centre runs reliably with precise temperature control, ensuring the safety of the servers.  H\*\*\*\*r


 S\*\*\*\*y The UPS system has performed well during numerous power outages, protecting our critical equipment. The system is extremely stable and we are very happy with the brand.


Installation and maintenance were easy, and the air conditioning system runs quietly and perfectly suits our needs.  j\*\*\*\*e

 A\*\*r Partnering with your company has helped us tap into new markets. The outdoor air conditioner still runs efficiently in a humid climate and has superior anti-mould performance.

Your products perfectly replace Rittal's with much better prices and outstanding cost-effectiveness. We've experienced no issues even in harsh weather.  A\*\*y

 S\*\*\*\*n Our data center has never been more efficient. Your precision air conditioners are ahead of the competition in both technology and performance.

Your products stand out for their superior technology and performance. The cost-effectiveness is a huge advantage over competitors.  R\*\*\*\*o

 V\*\*\*\*a Switching to your products from Rittal has been a smart move. We get the same performance at a much lower price, increasing our profit margins.

# Enterprise Honour and Culture



International Brand champion



Charity Auction



Charity Star



SGS Certification



C99029 MDEMC



Director unit of Qingdao Chamber of Commerce



Library Donation



Campus Presentations



Company Team Building