



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



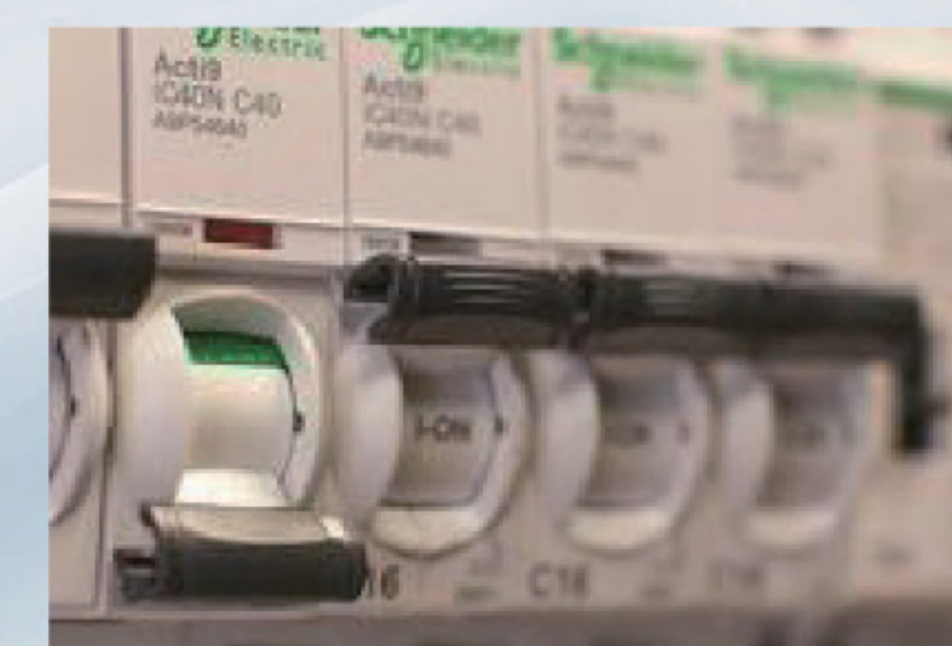
ZIEHL-ABEGG



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

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



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

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

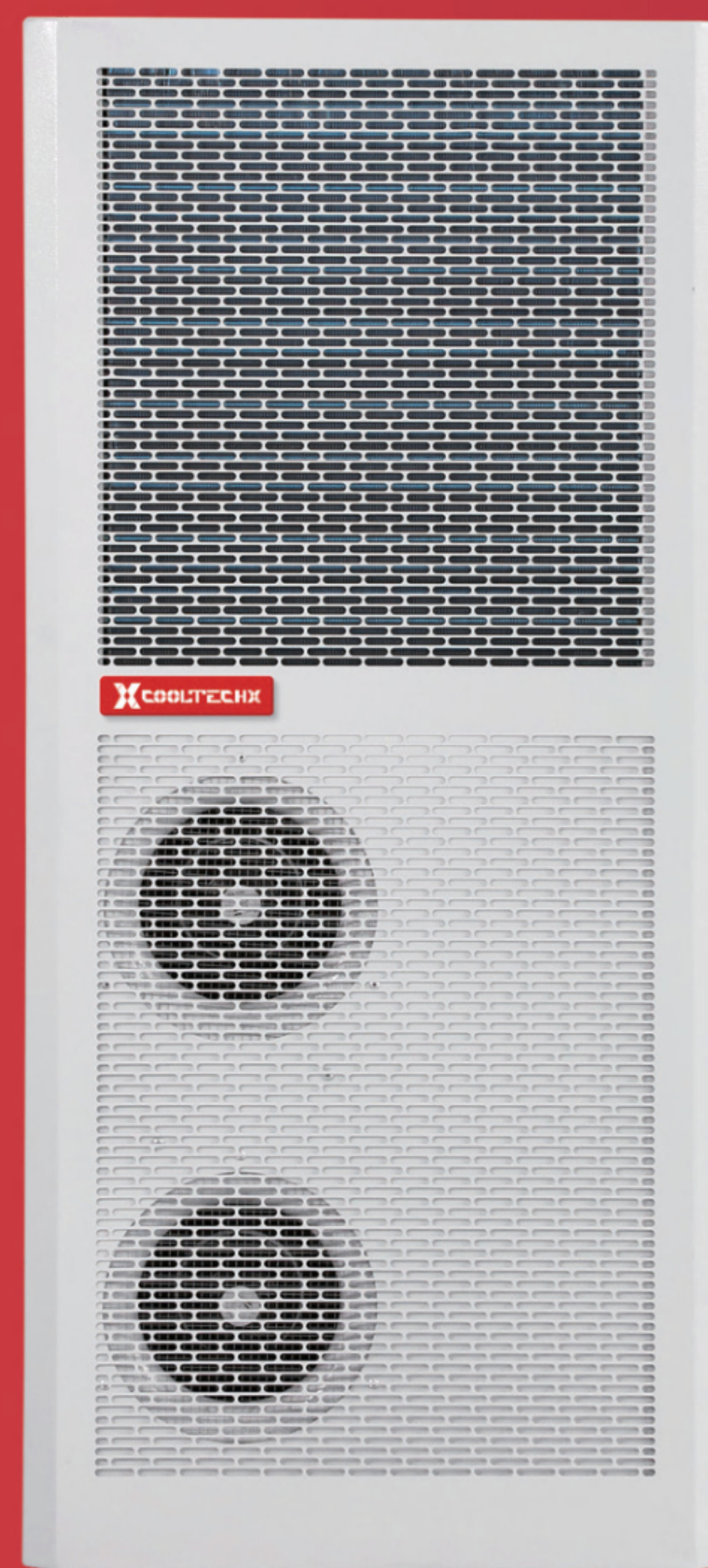
Modbus supported and RS485 terminal:
Easy to get remote monitoring

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



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





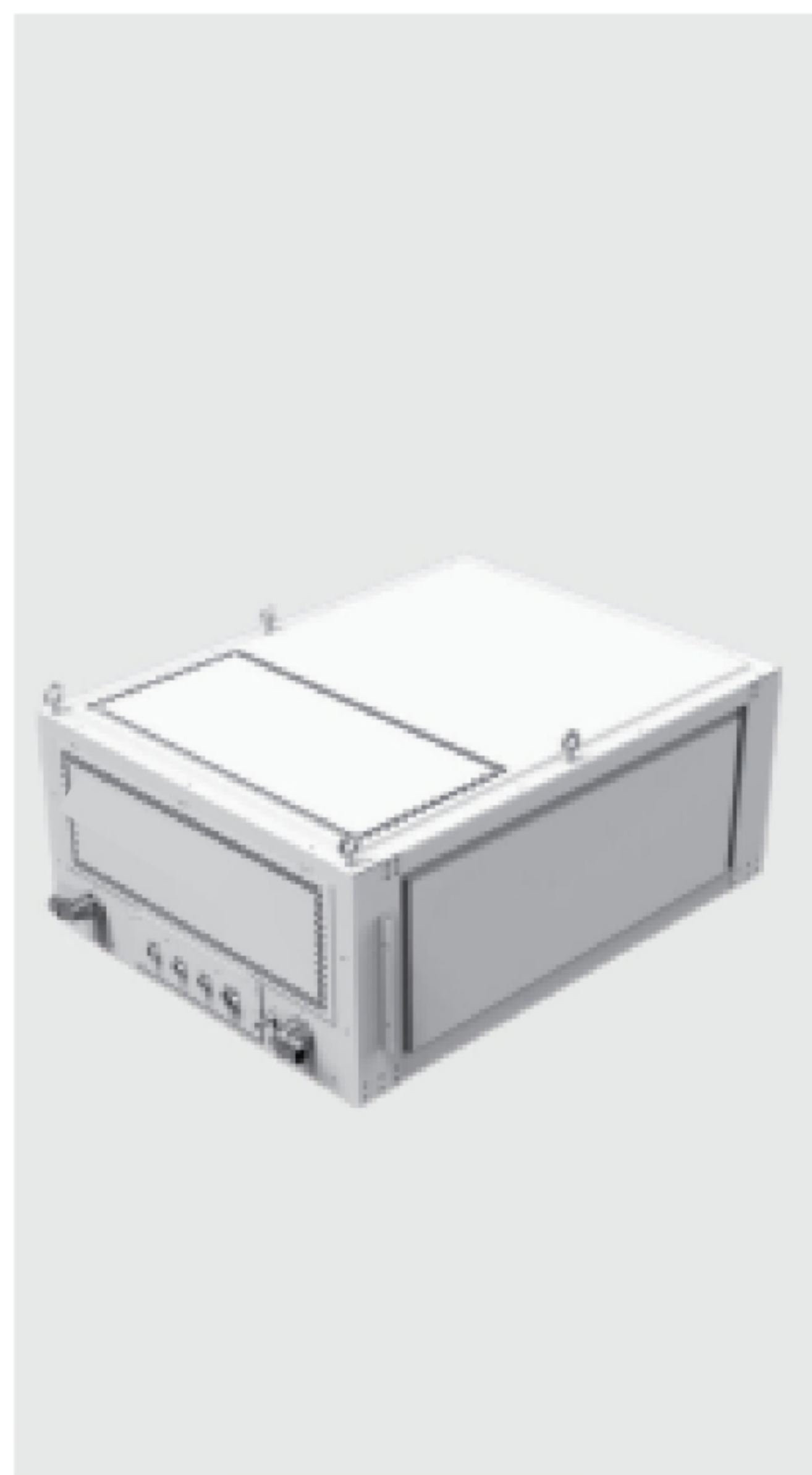
Embedded Liquid Cooling
5KW, 8KW



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 TrippLite in the USA

Product:

Full range of room air conditioning products





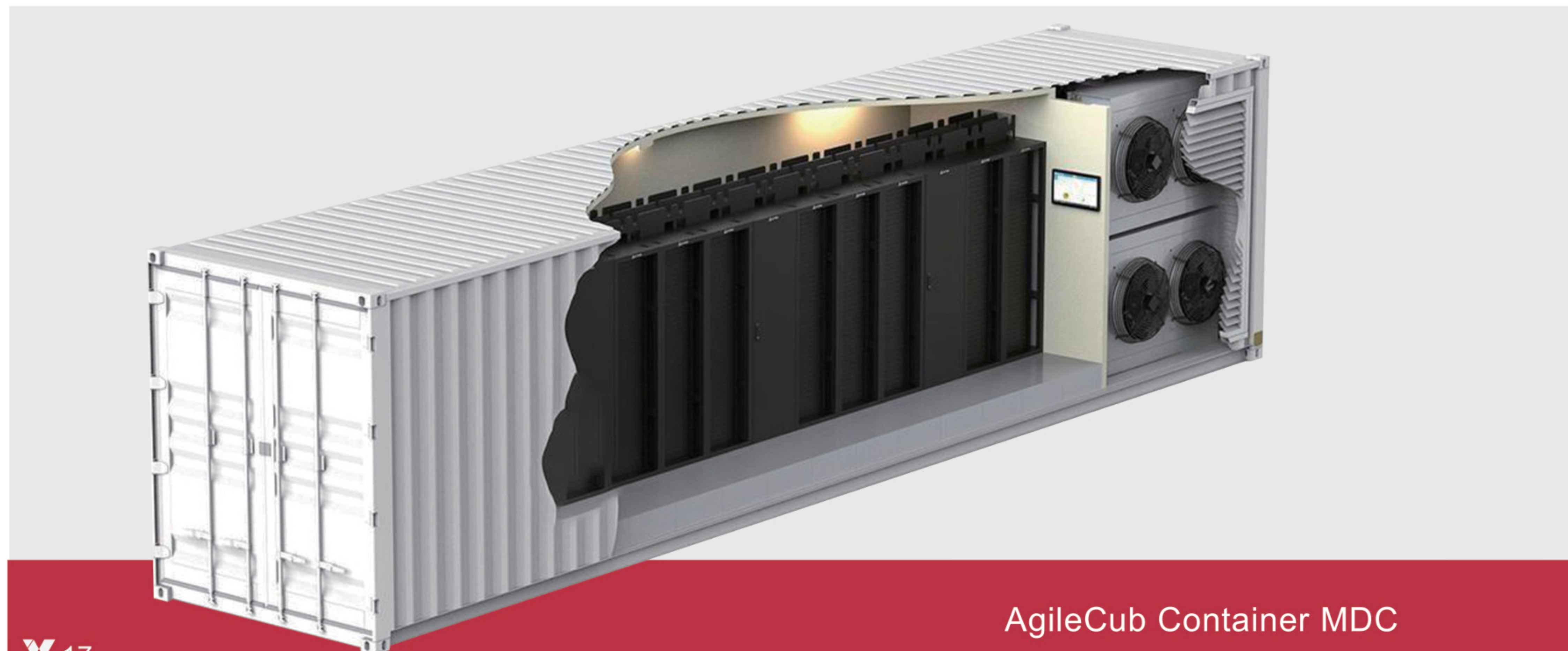
AgileMod Containment MDC



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