



**PRESTIGE
INDUSTRIAL**

ENGINEERED IN AUSTRALIA · SOURCED WORLDWIDE

Industrial Cooling Solutions

Cabinet, base-station, data-room and battery-storage cooling — sized to the real heat load, integrated with the enclosure and supported in Australia.

Cabinet cooling

Base-station cooling

Data-room cooling

Battery-storage cooling

300 W – 45 kW

AC & DC 48 V



Cooling is a sizing problem before it is a product

Electronics in outdoor cabinets, shelters, data rooms and battery containers fail from heat and moisture long before anything else. The unit on the wall only fixes that if it matches the heat load, the site and the power available. Prestige Industrial works the problem from that end — then sources the right unit factory-direct and stands behind it locally.

01

Heat-Load Calculation

Internal dissipation plus heat gained through the enclosure walls and from the sun — the capacity the site actually needs.

02

Technology Selection

Air conditioner, heat exchanger, combined AC + heat pipe, free cooling or liquid cooling — matched to ambient and energy target.

03

Power & Monitoring

Single- or three-phase AC, or native DC 48 V telecom power. RS485 on every category, RS485/CAN on liquid-cooling units.

04

Enclosure Integration

Mounting face, cut-out, sealing and condensate handling on the cabinet, shelter wall, container side or roof.

05

Environmental Duty

Operating ranges down to -40°C , IP55 units, and heating and dehumidification options for cold and humid sites.

06

Local Support

Documentation, spares and after-sales in Australia — one accountable team from enquiry to end of life.

Typical deliverables

Heat-load calculation · model selection with datasheet · dimensions and cut-out information · options schedule (heating, dehumidification, inverter, monitoring) · quotation · commissioning guidance · spares list

12

Product categories across cabinet, base-station, data-room and battery-storage cooling

45 kW

Largest unit — in-row data-room cooling, DX or chilled water

 -40°C

Lowest operating temperature across most of the range

DC 48 V

Native telecom-power models — no inverter needed on site



The cooling range

Six families cover the enclosures, shelters, rooms and containers that carry electronics. Each family has a full selection table in the series pages.



CABINET COOLING

Cabinet Air Conditioners

AC-type (rotary compressor) and DC-type (DC-inverter) units for telecom and industrial outdoor cabinets.

300 W – 5 kW · 1~220 VAC or DC 48 V · IP55



CABINET COOLING

AC + Heat-Pipe Combined

Compressor cooling plus a siphon heat pipe that switches automatically for energy-saving operation.

1.5 – 3 kW + 60 – 120 W/K · DC 48 V (+ 230 VAC)



CABINET COOLING

Cabinet Heat Exchangers

Air-to-air aluminium plate core with DC centrifugal fans — no compressor, maintenance-free.

25 – 260 W/K · DC 48 V · -40 to +60 °C

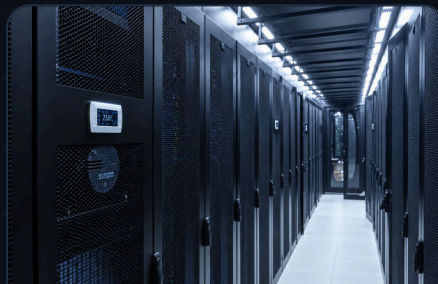


BASE-STATION COOLING

Split & Free-Cooling Units

A DC 48 V split unit for base stations, and a three-phase unit pairing compressor cooling with fresh-air free cooling.

4 kW split · **12.5 – 15 kW** free cooling

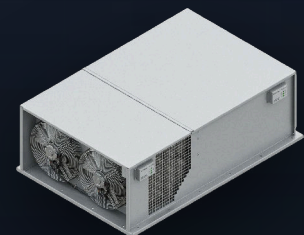


DATA-ROOM COOLING

In-Row Air Conditioners

Precision units between the racks — direct expansion (DX) or chilled water (CW), EC fans, LCD touch screen.

12.5 – 45 kW · DX or chilled water



BATTERY-STORAGE COOLING

Container AC & Liquid Cooling

Embedded, side- or top-mounted container air conditioners, plus liquid-cooling units for liquid-cooled battery racks.

3 – 20 kW air · **3 – 8 kW** liquid

Monitoring

RS485 port for remote monitoring on every category; RS485/CAN on liquid-cooling units.

Protection

IP55 across the air-conditioner, heat-exchanger and container ranges.

Refrigerants

R134a on cabinet and liquid-cooling units; R410a on larger shelter, container and data-room units.

Inverter options

DC-inverter compressors on DC units and on AF / LF models; EC fans on data-room units.

Standard platform, specified per site. Tables in this document list the standard models for reference. Heating, dehumidification, power and monitoring options are confirmed per project on quotation.

Where the range works

Telecom, industrial automation, power grid, data rooms and energy storage — four duty profiles, each with its own answer on power, mounting and energy use.



TELECOM BASE STATIONS

Telecom sites & shelters

DC 48 V is already on site, so DC-type cabinet units, heat exchangers and the DC split unit run without an inverter. Free cooling cuts compressor hours where the air is cool and clean.

Cabinet AC — DC

Heat exchanger

AC + heat pipe

BTS split

Free cooling



INDUSTRIAL & POWER-GRID CABINETS

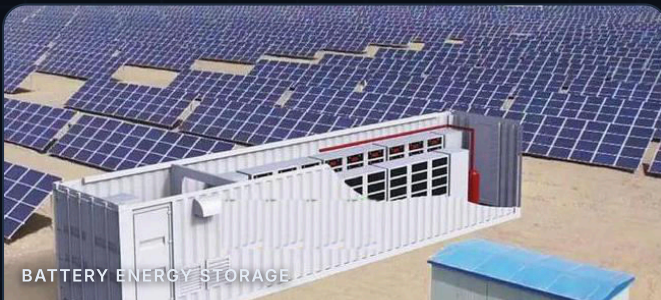
Industrial automation & power grid

Control, protection and communication cabinets outdoors on AC supply — AC-type cabinet air conditioners with heating for cold mornings, or heat exchangers where ambient allows.

Cabinet AC — AC

Heat exchanger

Heating option



BATTERY ENERGY STORAGE

Battery energy-storage shelters

Container air conditioners in embedded, side or top mounting for air-cooled racks, and liquid-cooling units with RS485/CAN for liquid-cooled racks.

Embedded

Side mounting

Top mounting

Liquid cooling



DATA ROOMS

Data rooms

In-row units between the racks: DX where the room needs its own refrigerant plant, chilled water where a 7–18 °C water supply is available.

In-row DX

In-row CW

Humidity control

Serving telecom • industrial automation • power grid

The same questions decide every job: how much heat, how hot the site gets, what power is available, and which face of the enclosure the unit can mount on.

Twelve categories at a glance

RANGE SUMMARY · CAPACITY, POWER AND OPERATING RANGE BY CATEGORY

CATEGORY	MODELS	CAPACITY	POWER	OPERATING RANGE	PAGE
CABINET COOLING					
Cabinet AC — AC type	A06HA1E – A50HA1E	600 W – 5 kW	1~220 VAC	–40 ... +55 °C	06
Cabinet AC — DC type	A03NA0E – A40NA0E	300 W – 4 kW	DC 48 V	–40 ... +55 °C	06
AC + heat exchanger combined	AE15 – AE30 (HA4E / HA0E)	1.5 – 3 kW + 60 – 120 W/K	DC 48 V (+ 230 VAC)	–40 ... +55 °C	07
Cabinet heat exchanger — DC	H02NA0E – H26NA0E	25 – 260 W/K	DC 48 V	–40 ... +60 °C	07
BASE-STATION COOLING					
Split AC — DC	A40NA0F	4 kW	DC 48 V	–40 ... +55 °C	08
AC + free cooling	WAF125NA5S · WAF150NA5S	12.5 – 15 kW	3~380 V	–40 ... +45 °C	08
DATA-ROOM COOLING					
In-row AC — DX type	CDA12HA5E – CDA45HA5E	12.5 – 45 kW	3~380 V	–30 ... +45 °C	09
In-row AC — CW type	CWA12HA5E – CWA45HA5E	12.5 – 45 kW	1~230 / 3~380 V	7 – 18 °C water	09
BATTERY-STORAGE COOLING					
Container AC — embedded	A30HC1E – A/AF200HC5E	3 – 20 kW	1~230 / 3~380 V	–40 ... +45 °C	10
Container AC — side mounting	A75HC1S – A/AF200HC5S	7.5 – 20 kW	1~230 / 3~380 V	–40 ... +45 °C	10
Container AC — top mounting	AF30HC1T – AF200HC5T	3 – 5 · 12.5 – 20 kW	1~230 / 3~380 V	–40 ... +45 °C	11
Liquid cooling units	LF30HA1T – LF80HA1B	3 – 8 kW	1~230 V	–30 ... +55 °C	11

HOW TO CHOOSE · START FROM THE SITE, NOT THE CATALOGUE

IF THE SITE...	START WITH
stays well below the target cabinet temperature all year	Cabinet heat exchanger — DC (no compressor, maintenance-free)
is sometimes hotter than the target, on DC 48 V, and energy use matters	AC + heat exchanger combined
is hotter than the target and has AC mains	Cabinet AC — AC type (heating capacity per model)
is hotter than the target and has DC 48 V only	Cabinet AC — DC type
is a base-station shelter on DC 48 V power	BTS split AC — DC
is a shelter with cool, clean outside air much of the year	BTS AC + free cooling
is a data room — own refrigerant plant, or chilled water available	In-row DX · In-row CW
is a battery container with air-cooled racks	Container AC — embedded, side or top by mounting face
is a battery container with liquid-cooled racks	Liquid cooling units

Reference values. Capacities are catalogue values at each category's rated condition (for example L35 °C / L35 °C). Final selection, options and exact specifications are confirmed on quotation.

Cabinet air conditioners — AC & DC types

AC type

600 W – 5 kW

DC type

300 W – 4 kW



For telecom and industrial outdoor cabinets on AC power. Heating and dehumidification options.

- **Power** 1~220 VAC ±15%, 50 Hz
- **Compressor** high-efficiency rotary, high reliability
- **Operating range** -40 to +55 °C · IP55
- **Refrigerant** R134a · **Monitoring** RS485
- **Rated condition** L35 °C / L35 °C



For telecom and industrial outdoor cabinets on DC power. Heating optional.

- **Power** DC 48 V ±20%
- **Compressor** high-efficiency DC-inverter rotary
- **Operating range** -40 to +55 °C · IP55
- **Refrigerant** R134a · **Monitoring** RS485
- **Rated condition** L35 °C / L35 °C

SELECTION TABLE · AC TYPE

MODEL	COOLING	HEATING	W×H×D MM
A06HA1E	600 W	500 W	315×546×175
A10HA1E	1000 W	1000 W	446×746×200
A15HA1E	1500 W	1000 W	446×746×200
A20HA1E	2000 W	1000 W	446×746×200
A30HA1E	3000 W	1500 W	485×1150×250
A40HA1E	4000 W	1500 W	485×1150×250
A50HA1E	5000 W	3000 W	600×1300×320

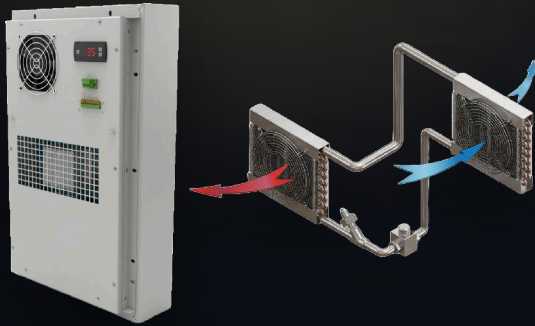
SELECTION TABLE · DC TYPE

MODEL	COOLING	HEATING	W×H×D MM
A03NAOE	300 W	Optional	315×320×140
A06NAOE	600 W	Optional	315×546×175
A10NAOE	1000 W	Optional	446×746×200
A15NAOE	1500 W	Optional	446×746×200
A20NAOE	2000 W	Optional	446×746×200
A30NAOE	3000 W	Optional	485×1150×250
A40NAOE	4000 W	Optional	485×1150×250

Standard models. Sizes listed are the standard platform. Mounting, cut-out and options are confirmed against the cabinet on quotation.

AC + heat exchanger combined, and heat exchangers

COMPRESSOR + SIPHON HEAT PIPE



AC + heat exchanger combined

1.5 – 3 kW

Dual-system cooling for telecom outdoor cabinets: a compressor cooling unit plus a siphon heat-pipe exchanger, switching automatically for energy-saving operation.

- HA4E DC 48 V $\pm 20\%$ + 1~230 VAC $\pm 15\%$, 50 Hz
- HAOE DC 48 V $\pm 20\%$
- Operating range -40 to $+55$ °C · IP55 · R134a
- Monitoring RS485 · Heating optional

SELECTION TABLE · AC + DC (HA4E) / DC (HAOE)

MODEL	COOLING	HEAT EXCH.	W×H×D MM
AE15HA4E / HAOE	1500 W	60 W/K	446×746×240
AE20HA4E / HAOE	2000 W	80 W/K	446×746×240
AE25HA4E / HAOE	2500 W	100 W/K	446×746×260
AE30HA4E / HAOE	3000 W	120 W/K	485×1150×300

AIR-TO-AIR PLATE CORE



Cabinet heat exchangers — DC type

25 – 260 W/K

For outdoor cabinets on DC power where the ambient stays below the target inside temperature. No compressor, maintenance-free.

- Power DC 48 V $\pm 20\%$ · Fans high-efficiency DC centrifugal
- Core air-to-air aluminium plate
- Operating range -40 to $+60$ °C · IP55 · RS485 · heating optional

SELECTION TABLE · H SERIES

MODEL	HEAT EXCHANGE	W×H×D MM
H02NAOE	25 W/K	270×420×165
H08NAOE	80 W/K	400×900×145
H10NAOE	100 W/K	412×990×192
H12NAOE	120 W/K	412×990×192
H15NAOE	150 W/K	518×1246×240
H18NAOE	180 W/K	518×1246×240
H26NAOE	260 W/K	620×1300×240

Base-station split & free-cooling units

OUTDOOR + INDOOR UNIT



Split air conditioner — DC

4 kW

For telecom base stations and outdoor shelters on DC 48 V power. Split design with a DC-inverter compressor.

- **Power** DC 48 V $\pm 20\%$ · **Monitoring** RS485
- **Mounting** wall-mounted
- **Operating range** -40 to $+55$ °C · **IP55** · R134a
- **Rated condition** L35 °C / L35 °C

SELECTION TABLE · SPLIT DC

MODEL	COOLING	HEATING	INDOOR MM	OUTDOOR MM
A40NA0F	4000 W	N/A	950×340×215	730×524×292

COMPRESSOR + FRESH AIR



Air conditioner + free cooling

12.5 – 15 kW

Active compressor cooling plus fresh-air free cooling, switching automatically for energy-saving operation.

- **Drive** DC-inverter compressor + EC fan · RS485
- **Dust sensor** stops fresh-air operation in dusty conditions
- **Humidity sensor** prevents excessive internal humidity
- **Filters** intake and exhaust, G4 · auto fresh-air damper
- **Power** 3~380 V $\pm 15\%$, 50 Hz · -40 to $+45$ °C · R410a
- **Size** W800×H2100×D705 mm · wall-mounted · heating optional

SELECTION TABLE · FREE COOLING (RATED L27 °C / L35 °C)

MODEL	COOLING	AIR FLOW
WAF125NA5S	12.5 kW	3500 m ³ /h
WAF150NA5S	15.0 kW	3800 m ³ /h

In-row air conditioners — DX & CW types



IN-ROW BETWEEN RACKS



LCD TOUCH-SCREEN CONTROL



DX OUTDOOR CONDENSER

DX type — direct expansion

- **Drive** DC-inverter compressor, EC fan, electronic expansion valve
- **Power** 3~380 V $\pm 15\%$, 50 Hz · RS485
- **Operating range** -30 to +45 °C · R410a · G4 filter
- **Options** humidification, dehumidification, heating

CW type — chilled water

- **Control** 2-way electric proportional valve, EC fan
- **Water supply** 7~18 °C — suits 18 °C supply for more energy saving
- **Interface** LCD touch screen · RS485 · G4 filter
- **Options** humidification, dehumidification, heating

SELECTION TABLE · DX TYPE

MODEL	TOTAL COOLING	SENSIBLE	EER	AIR FLOW M ³ /H	HUMIDIFICATION	INDOOR W×D×H MM
CDA12HA5E	12.5 kW	11.5 kW	3.5	3000	3 kg/h	300×1200×2000
CDA25HA5E	25 kW	22.0 kW	3.3	5000	3 kg/h	600×1200×2000
CDA35HA5E	35 kW	32.0 kW	3.4	7000	3 kg/h	600×1200×2000
CDA45HA5E	45 kW	40.5 kW	3.3	9500	6 kg/h	600×1200×2000

SELECTION TABLE · CW TYPE

MODEL	TOTAL COOLING	SENSIBLE	EER	AIR FLOW M ³ /H	HUMIDIFICATION	POWER	INDOOR W×D×H MM
CWA12HA5E	12.5 kW	11.8 kW	3.5	2800	3 kg/h	1~230 V	300×1200×2000
CWA25HA5E	25 kW	23.0 kW	3.3	4800	3 kg/h	1~230 V	600×1200×2000
CWA35HA5E	35 kW	33.0 kW	3.4	7000	3 kg/h	3~380 V	600×1200×2000
CWA45HA5E	45 kW	41.0 kW	3.3	9000	6 kg/h	3~380 V	600×1200×2000

EER 3.3 – 3.5

Catalogue energy-efficiency ratio across both DX and CW sizes.

3 – 6 kg/h humidification

Optional humidifier sized per model — 6 kg/h on the 45 kW units.

Up to 18 °C water

CW units run on 7 – 18 °C supply — high water temperature, lower chiller energy.

Room-level design. In-row capacity depends on rack layout, containment and the chilled-water or condenser arrangement — sized per room on quotation.

Container air conditioners — embedded & side mounting

EMBEDDED



SIDE MOUNTING



For industrial and battery energy-storage shelters

- **Compressor** high-efficiency rotary; **AF** models are DC-inverter
- **Built in** heating, dehumidification and an ambient intake filter
- **Protection** IP55 · RS485 · environment-friendly refrigerant
- **Operating range** -40 to +45 °C, R410a (A30HC1E: -40 to +55 °C, R134a)
- **Mounting** semi-embedded in the container wall, or hung on the side

SELECTION TABLE · EMBEDDED MOUNTING · 3 – 20 KW

MODEL	COOLING	HEATING	POWER	RATED CONDITION	W×H×D MM
A30HC1E	3.0 kW	2.0 kW	1~230 V	L35 / L35 °C	500×1300×250
A50HC1E	5.0 kW	3.0 kW	1~230 V	L35 / L35 °C	600×1300×320
A75HC1E	7.5 kW	3.0 kW	1~230 V	L35 / L35 °C	660×1600×400
A100HC1E	10.0 kW	6.0 kW	1~230 V	L35 / L35 °C	660×1600×400
A125HC5E / AF125HC5E	12.5 kW	6.0 kW	3~380 V	L27 / L35 °C	800×2100×600
A150HC5E / AF150HC5E	15.0 kW	9.0 kW	3~380 V	L27 / L35 °C	800×2100×600
A200HC5E / AF200HC5E	20.0 kW	9.0 kW	3~380 V	L27 / L35 °C	800×2100×600

SELECTION TABLE · SIDE MOUNTING · 7.5 – 20 KW

MODEL	COOLING	HEATING	POWER	RATED CONDITION	W×H×D MM
A75HC1S	7.5 kW	3.0 kW	1~230 V	L35 / L35 °C	660×1600×400
A10HC1S	10.0 kW	6.0 kW	1~230 V	L35 / L35 °C	660×1600×400
A120HC1E	12.0 kW	6.0 kW	1~230 V	L35 / L35 °C	660×1600×400
A125HC5S / AF125HC5S	12.5 kW	6.0 kW	3~380 V	L27 / L35 °C	800×2100×705
A150HC5S / AF150HC5S	15.0 kW	9.0 kW	3~380 V	L27 / L35 °C	800×2100×705
A200HC5S / AF200HC5S	20.0 kW	9.0 kW	3~380 V	L27 / L35 °C	800×2100×705

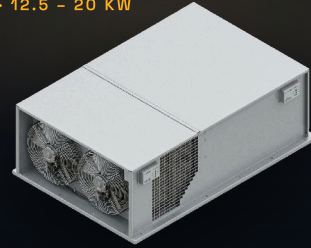
Mounting face decides the model. Embedded units sit semi-recessed in the container wall; side units hang on it. Both carry the same controls and options — pick by where the container has space and clearance.

Top-mounted container AC & liquid-cooling units

TOP MOUNTING · 3 – 5 kW



TOP MOUNTING · 12.5 – 20 kW

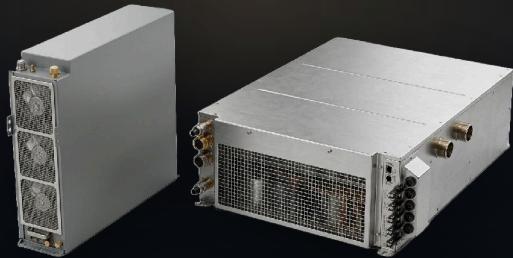


Roof-mounted units for industrial and battery energy-storage shelters: high-efficiency DC-inverter rotary compressor, RS485, heating, dehumidification and an ambient intake filter built in. IP55 · -40 to +45 °C · R410a.

SELECTION TABLE · TOP MOUNTING

MODEL	COOLING	HEATING	AIR FLOW	POWER	RATED CONDITION	W×D×H MM
AF30HC1T	3.0 kW	1.5 kW	1000 m³/h	1~230 V	L25 / L35 °C	870×1000×350
AF40HC1T	4.0 kW	2.0 kW	2000 m³/h	1~230 V	L25 / L35 °C	870×1000×350
AF50HC1T	5.0 kW	2.0 kW	2000 m³/h	1~230 V	L25 / L35 °C	870×1000×350
AF125HC5T	12.5 kW	6.0 kW	3600 m³/h	3~380 V	L27 / L35 °C	1200×1780×603
AF150HC5T	15.0 kW	9.0 kW	5000 m³/h	3~380 V	L27 / L35 °C	1200×1780×603
AF200HC5T	20.0 kW	9.0 kW	5500 m³/h	3~380 V	L27 / L35 °C	1200×1780×603

VERTICAL + TOP-MOUNT UNITS



Liquid cooling units — 3 – 8 kW

For battery energy-storage shelters with liquid-cooled racks.

- Drive high-efficiency DC-inverter compressor
- Comms RS485 / CAN · Pipes NW26 quick connectors
- Heating liquid heating · shelter dehumidification optional (top units)
- Power 1~230 V ±15%, 50/60 Hz · electrics IP55 · R134a
- Rated W 18 °C / A 35 °C · -30 to +55 °C

SELECTION TABLE · LIQUID COOLING

MODEL	COOLING	HEATING	WATER FLOW	MOUNTING	DEHUMIDIFICATION	W×H×D MM
LF30HA1T	3.0 kW	1.0 kW	25 L/min	Top	Optional	702×280×932
LF50HA1T	5.0 kW	2.0 kW	45 L/min	Top	Optional	702×280×932
LF30HA1B	3.0 kW	1.0 kW	25 L/min	Vertical	N/A	275×800×1100
LF50HA1B	5.0 kW	2.0 kW	45 L/min	Vertical	N/A	275×800×1100
LF80HA1B	8.0 kW	2.0 kW	50 L/min	Vertical	N/A	275×1040×1150

Five ways to move heat out — and when each one fits

Heat exchanger

PASSIVE · NO COMPRESSOR

Cabinet air and outside air pass each other through an aluminium plate core and never mix. Works only while outside air is cooler than the target inside.

Cool climates · lowest energy · maintenance-free

AC + heat pipe

HYBRID · AUTOMATIC

A siphon heat pipe carries heat out whenever conditions allow; the compressor unit starts only when they don't.

Telecom DC sites · energy saving with a safety net

Air conditioner

CLOSED-LOOP COMPRESSOR

A refrigerant circuit cools the sealed internal air loop, so the cabinet can run below ambient — the answer when the site gets hotter than the electronics allow.

Hot sites · any climate · AC or DC 48 V

Free cooling

FRESH AIR + COMPRESSOR

Filtered outside air cools the shelter when it is cool, dry and clean enough; dust and humidity sensors hand back to the compressor when it isn't.

Base-station shelters · large seasonal savings

Liquid cooling

COOLANT LOOP

A chiller holds the coolant feeding the battery racks at a set temperature, with liquid heating and RS485/CAN communication.

Liquid-cooled battery storage

Inside a cabinet air conditioner

Rotary or DC-inverter compressor

High-efficiency rotary on AC-type units; DC-inverter on DC-type and AF / LF models.

R134a refrigerant

Environment-friendly refrigerant on the cabinet range; R410a on larger shelter and container units.

Heating & dehumidification

Heating capacity listed per model on AC-type units, optional on DC-type; dehumidification optional.



RS485 remote monitoring

Temperature, status and alarms into the site monitoring system.

IP55 outdoor housing

High protection level for outdoor cabinets exposed to dust and weather.

Wide operating range

Rated for -40 to +55 °C ambient — for both high- and low-temperature regions.

Power, monitoring and mounting — by category

INTEGRATION MATRIX · FROM THE CATALOGUE

CATEGORY	POWER	MONITORING	MOUNTING	REFRIGERANT
Cabinet AC — AC type	1~220 VAC ±15%, 50 Hz	RS485	Outdoor cabinet	R134a
Cabinet AC — DC type	DC 48 V ±20%	RS485	Outdoor cabinet	R134a
AC + heat exchanger	DC 48 V (+ 1~230 VAC on HA4E)	RS485	Outdoor cabinet	R134a
Heat exchanger — DC	DC 48 V ±20%	RS485	Outdoor cabinet	— (no refrigerant)
BTS split — DC	DC 48 V ±20%	RS485	Wall-mounted, split	R134a
BTS AC + free cooling	3~380 V ±15%, 50 Hz	RS485	Wall-mounted	R410a
In-row DX / CW	3~380 V (CW12/25: 1~230 V)	RS485 · LCD	In the rack row	R410a (DX)
Container AC	1~230 V or 3~380 V	RS485	Embedded · side · top	R410a (A30HC1E: R134a)
Liquid cooling	1~230 V ±15%, 50/60 Hz	RS485 / CAN	Top · vertical	R134a

Sizing a cabinet air conditioner

Rule of thumb for a sealed enclosure:

$$Q = P_{\text{internal}} + k \cdot A \cdot (T_{\text{ambient}} - T_{\text{inside}})$$

A = exposed surface area (m²); k ≈ 5.5 W/m²·K for painted sheet steel. Add a margin for direct sun, then take the next size up.

Sizing a heat exchanger

Heat exchangers only work while outside air is cooler than the target inside:

$$q = P_{\text{internal}} \div (T_{\text{inside,max}} - T_{\text{ambient,max}})$$

q is the specific capacity in W/K — compare it with the H-series table on page 07. If the gap is small or negative, use an air conditioner.

Condensate

Compressor units remove moisture from the cabinet air — plan the drain route on the mounting face.

Sealing

A closed loop only stays closed if the cut-out and cable entries are sealed — see our cable entry range.

Clearance

Keep the external air path free of walls and neighbouring units so the condenser can reject heat.

CABINET



WALL · SPLIT



CONTAINER WALL



CONTAINER ROOF



Rules of thumb, not a design. The formulas give a first estimate. Our heat-load calculation uses your actual enclosure, equipment and site data before a model is selected.

From enquiry to a unit that runs

One team from the first heat-load question to the last spare part — specified in Australia, sourced factory-direct.

01

Site Data

Equipment, enclosure, location, power available and monitoring system.

02

Heat-Load Calculation

Internal dissipation, wall and solar gain, worst-case ambient.

03

Technology Choice

Heat exchanger, AC, hybrid, free cooling or liquid — by ambient and energy target.

04

Model & Options

Capacity with margin, power, mounting, heating, dehumidification, monitoring.

05

Quotation

Selection, datasheet, dimensions and cut-out information with the price.

06

Supply

Factory-direct sourcing, inspection and delivery to site or integrator.

07

Installation Guidance

Mounting, sealing, condensate and RS485 / alarm wiring into the enclosure.

08

Support

Commissioning help, documentation, spares and local after-sales.

What we need from you

- Equipment heat dissipation (W) and target inside temperature
- Enclosure, shelter or container size, material and mounting face
- Site ambient minimum and maximum, sun, dust and humidity
- Power available — AC single/three-phase or DC 48 V — and monitoring

What you receive

- A model selection with its heat-load calculation
- Datasheet, dimensions and cut-out information
- An options schedule — heating, dehumidification, inverter, alarms
- A quotation, and local support after delivery



OUTDOOR CABINETS



ENERGY STORAGE



DATA ROOMS



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NEXT STEP

Send us the heat load. We will send back the unit that handles it.

Tell us what is in the enclosure, where it stands and what power is available. We will select the technology and capacity, confirm the options and quote it — factory-direct, supported in Australia.

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