

Model Definition:

HCZA-180-010-040
HCZA-180-000-040

040 Product ID

000: No heater; 010: Heater Size 1000W

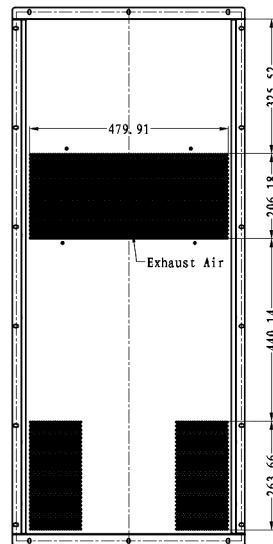
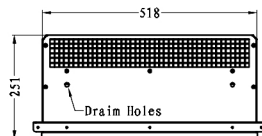
180: Heat Exchange capacity 180W / K

A: Air Cooling

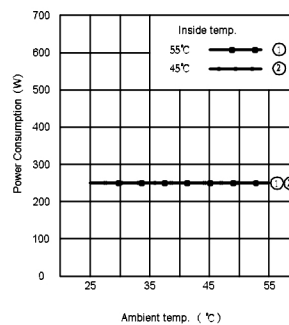
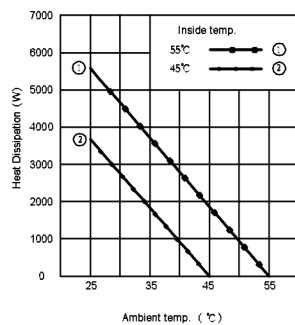
Z: DC Power Supply

C: Cabinet Application

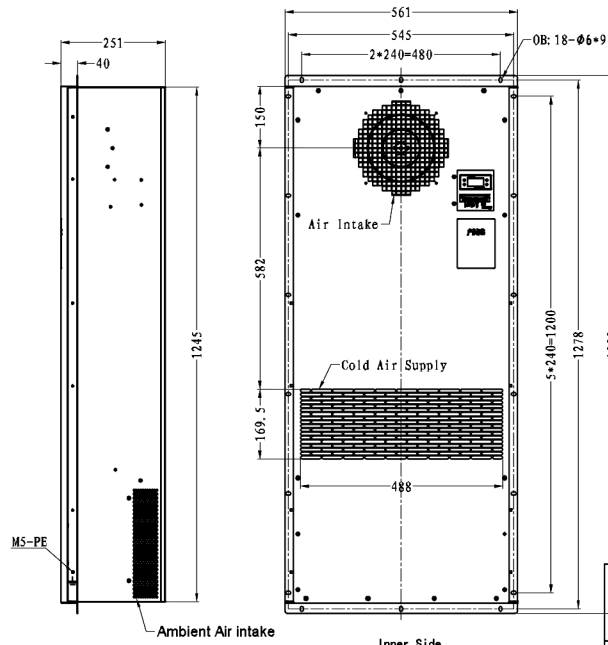
0: Heat Exchanger



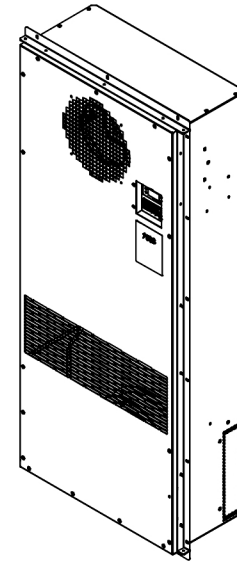
Ambient Side



DC power supply range	-48VDC (-40 ~ -60VDC)
Heat Exchange capacity	180W / K
Rated power Consumption	250W
Rated current	5.2A
Inner circulation air flow rate	1650m³/h
Display	LED
Heater	/
Heater power supply range	/
Operating temperature range	-15°C ~ +65°C
Max. noise level	65dB(A) @ 1.0m away
IP protection level	IP55 - between external and internal interface
Net weight	38kg
Outer dimension	1245x518x240 (mm,HxWxD)
Certification	CE
Surface treatment	Outdoor type powder coating, standard color: RAL7035
Lifetime	10 years



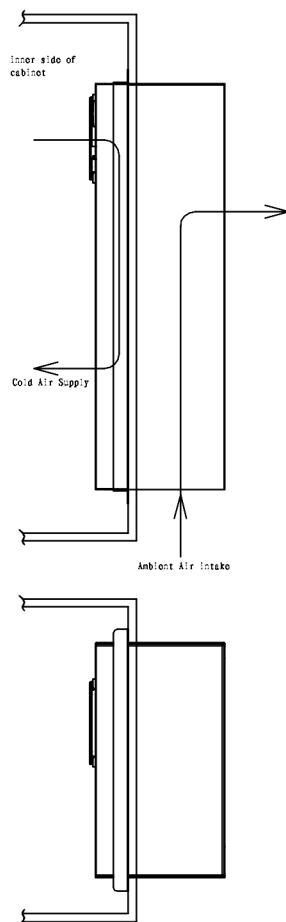
Inner Side



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Figure 1 - Installation tips if extra cowling needed by customer



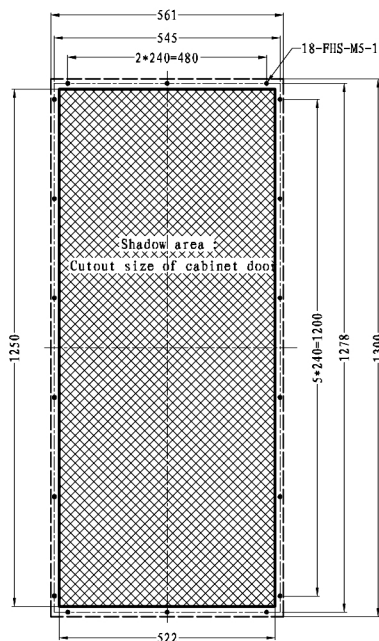
Ambient Air Intake

Note:
It is not recommended to add extra cowling

While if customer insist on doing that, please follow below rules:

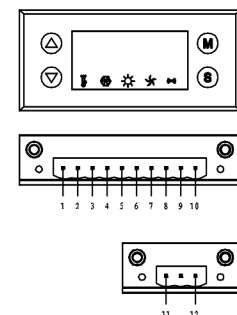
- The louvers for ambient air intake and discharge must keep 70% above open area for having sufficient air flow
- A separating plate must be added to avoid air short cut between intake & exhaust air

Figure 2 - Mounting interface with cabinet door



Blue dashed rectangle: Air conditioner projected dimension on door (1300*561mm)

Figure 3 - Wiring interface with customer circuit



No.	Symbol	Definition
1	T/R-	T/R- port for RS485 communication
2	T/R+	T/R+ port for RS485 communication
3	NC	Normally Closed port for alarming signal output
4	COM	Common Port for alarming signal output
5	NO	Normally open port for alarming signal output
6	CONTROL	Control signal input: on / off dry switch type
7	/	/
8	/	/
9	RTN	Pole: DC - positive
10	-48V	Pole: DC - negative
11	L	Pole: AC - L
12	N	Pole: AC - N (Option per order)

Display explanation:
LED will show inner air temp. at normal working,
while also show alarming code when alarming triggered.

Status bar: with indicator light

- Keep lighting when do parameter setting
- Keep blinking when unit carry out self testing process
- Keep lighting under normal cooling operation
- Keep lighting under normal heating operation
- Keep lighting when external cycle fan start working
- Keep blinking for alarming triggered

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