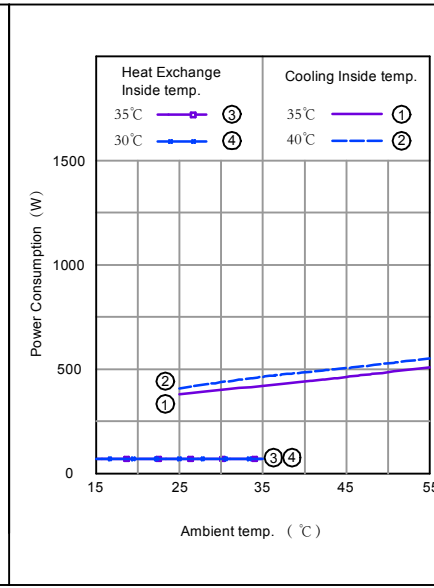
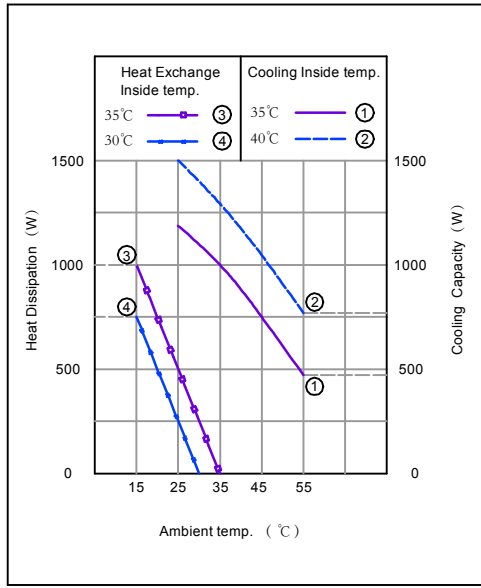
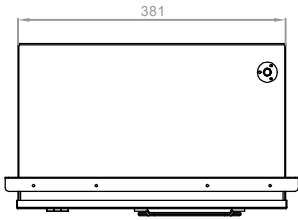


Model Definition:  
 CHUB-010-005-010  
 CHUB-010-000-010

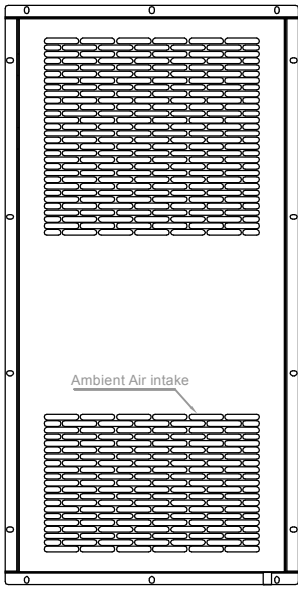
010: Product ID  
 000: No heater; 005: Heater Size 500W  
 010: Cooling Capacity 1000W  
 B: Refrigerant = R134a  
 U: 230VAC 50HZ & 48VDC Power Supply  
 H: Air Con. & HEX  
 C: Combined climate unit



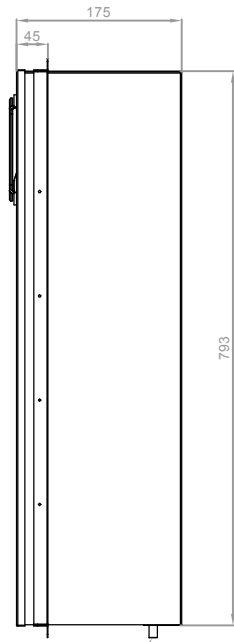
DC power supply range	48VDC (40 ~ 60VDC)
AC power supply range	230VAC ±15% / 50Hz
Cooling capacity	1000W @ 35°C / 35°C
Heat Exchange capacity	50W / K
Cooling power Consumption	AC 310W @ 35°C / 35°C DC 70W @ 35°C / 35°C
Heat Exchange power Consumption	DC 70W
Inner circulation air flow rate	400m³/h
Display	LED
Heater	500W (Option per order)
Operating temperature range	-15°C ~ +55°C
Max. noise level	65dB(A) @ 1.0m away
IP protection level	IP55 - between external and internal interface
Net weight	30Kg
Outer dimension	793x381x250 (mm,HxWxD)
Refrigerant type	R134a
Certification	CE
Surface treatment	Outdoor type powder coating, standard color: RAL7035
Lifetime	10 years

A

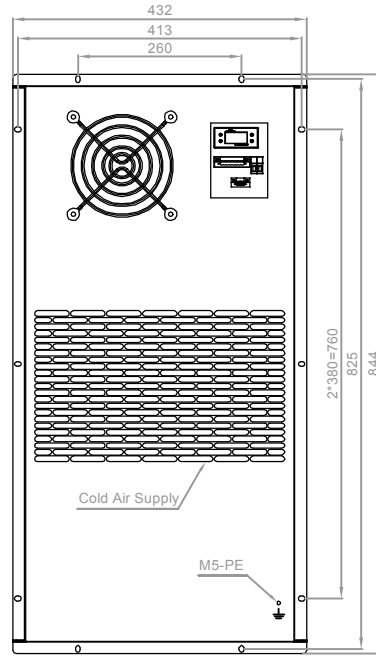
B



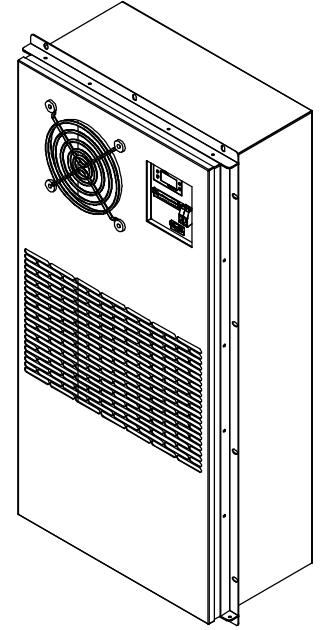
Ambient Side



Drain pipe connection

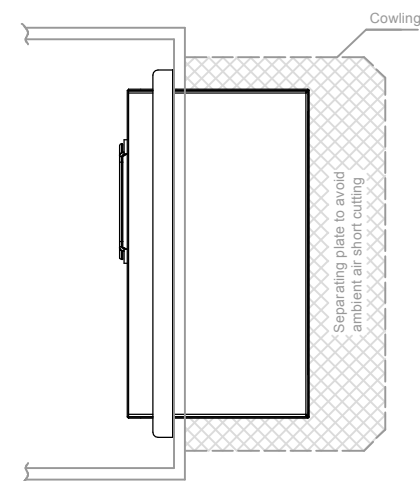
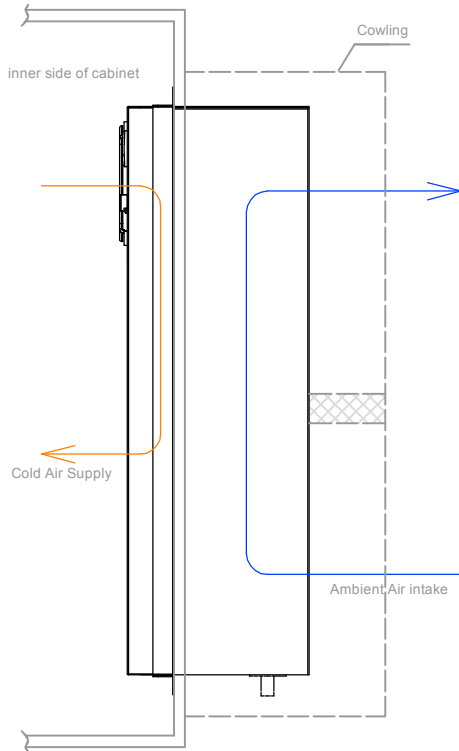


Inner Side



		P/N: 316010	Ver.: A
		Name: 1000W Combined climate unit	
		Model: CHUB-010-005-010 CHUB-010-000-010	
2	1		

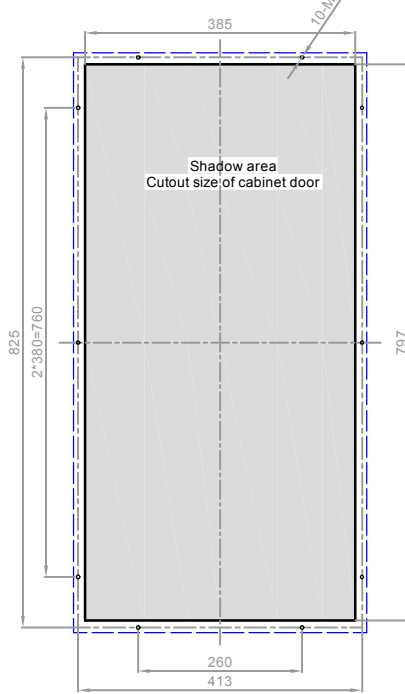
Figure 1 - Installation tips if extra cowling needed by customer



Note:  
 It is not recommended to add extra cowling

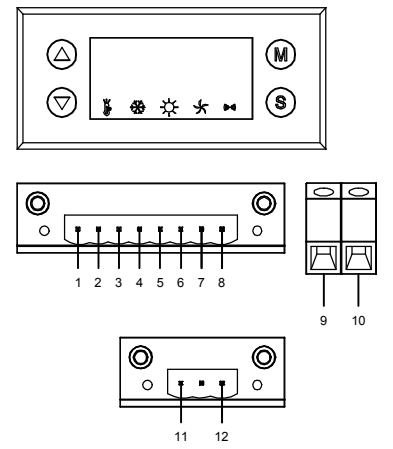
While if customer insist on doing that, please follow below rules:  
 1. The louvers for ambient air intake and discharge must keep 70% above open area for having sufficient air flow  
 2. A separating plate must be added to avoid air short cut between intake & exhaust air

Figure 2 - Mounting interface with cabinet door



Blue dashed rectangle : Air conditioner projected dimension on door (844x432mm)

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	+V	Pole : DC - positive
10	-V	Pole : DC - negative
11	L	Pole : AC - L
12	N	Pole : AC - N

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

		P/N: 316010	Ver.: A
		Name: 1000W Combined climate unit	
		Model: CHUB-010-005-010 CHUB-010-000-010	
2	2		

A

B

A

B