

Model Definition:

A I Y B - 0 2 0 - 0 2 0 - 1 2 0

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120: Product ID

000: No heater; 020: Heater Size 2000W

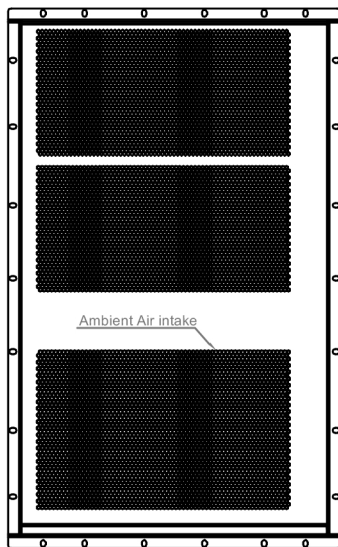
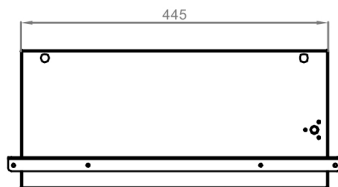
020: Cooling Capacity 2000W

B: Refrigerant = R134a

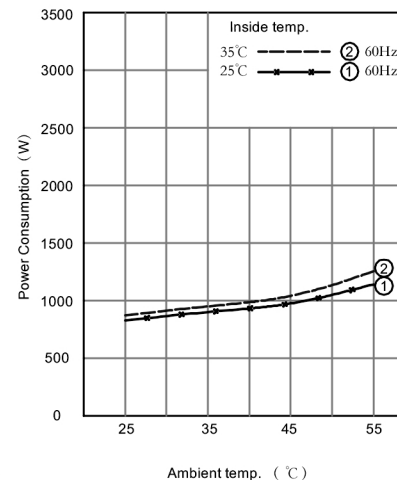
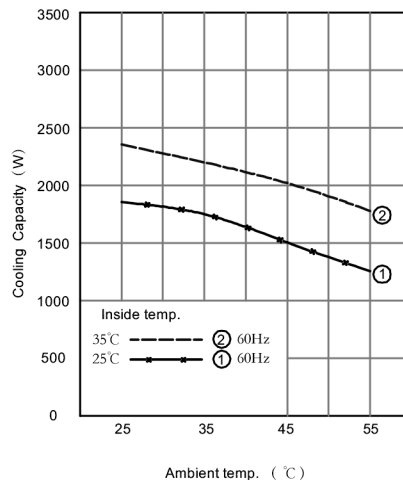
Y: 220-240V ~ Power Supply

I : Industry Application

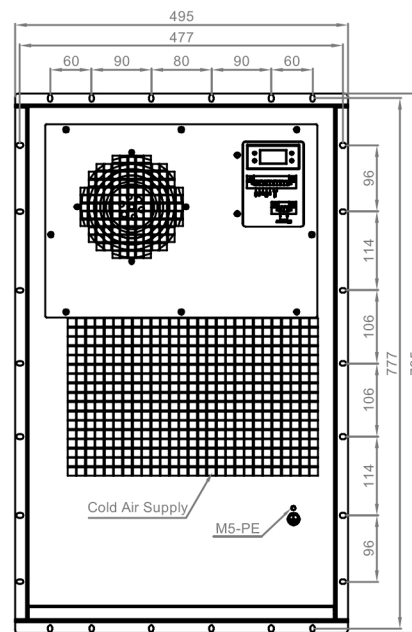
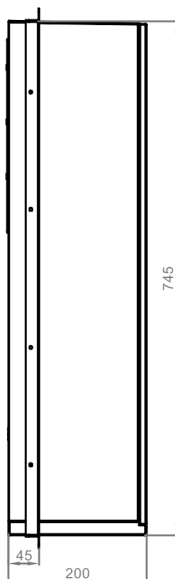
A: Air Conditioner



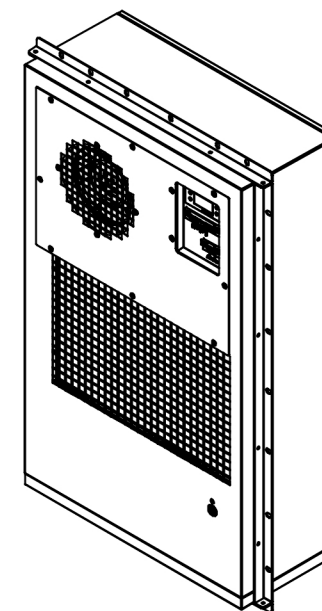
Ambient Side



Rated voltage	220-240V ~ 60Hz
Power supply range	196-265V ~ 60Hz
Cooling capacity	2200W @ 35°C / 35°C
Rated power Consumption	900W @ 35°C / 35°C
Rated current	3.9A @ 35°C / 35°C
EER	2.4
Inner circulation air flow rate	500m ³ /h
Display	LED
Heater	2000W (Option per order)
Operating temperature range	-15°C ~ +55°C
Max. noise level	75dB(A) @ 1.0m away
IP protection level	IP55 - between external and internal interface
Net weight	32Kg
Outer dimension	745x445x200 (mm,HxWxD)
Refrigerant type	R134a
Certification	UL
Surface treatment	Outdoor type powder coating, standard color: RAL7035
Lifetime	10 years

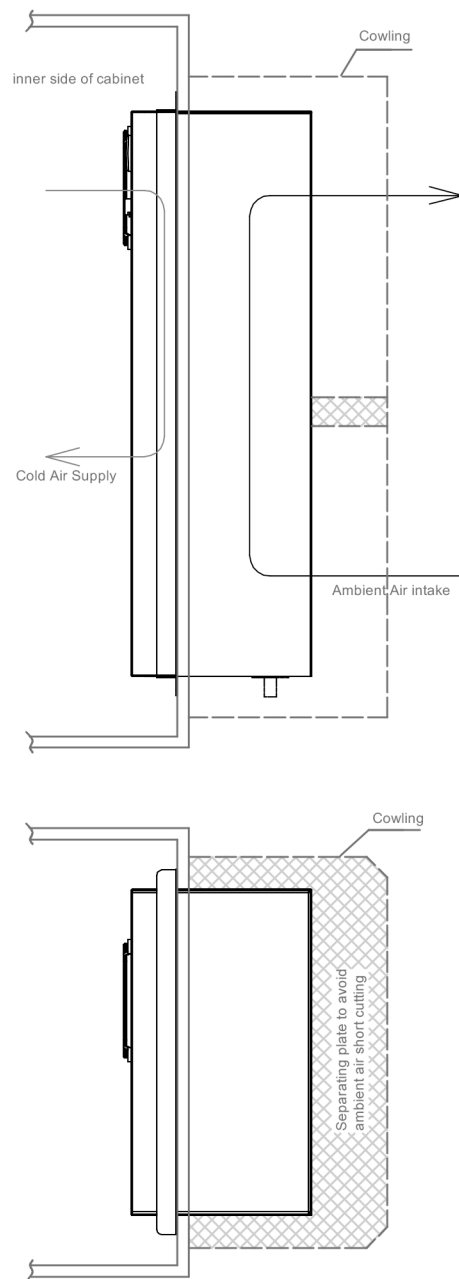


Inner Side



Page 1 of 2	P/N:	732120	Ver. :	A
	Name:	2000W AC Air Con.		
	Model:	AIYB-020-020-120		
		AIYB-020-000-120		

Figure 1 - Installation tips if extra cowling needed by customer

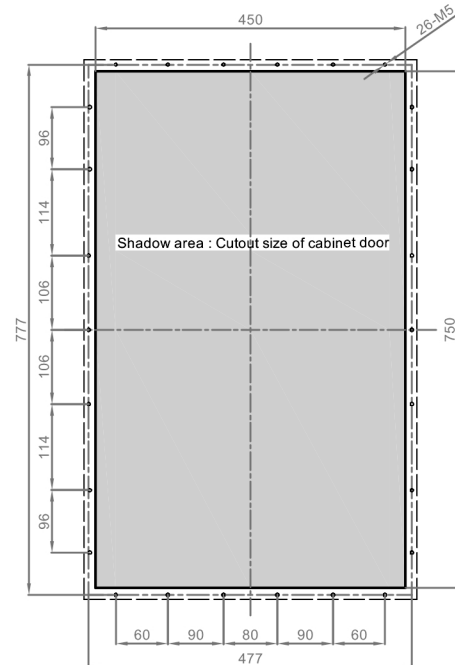


Note:
It is not recommended to add extra cowling

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

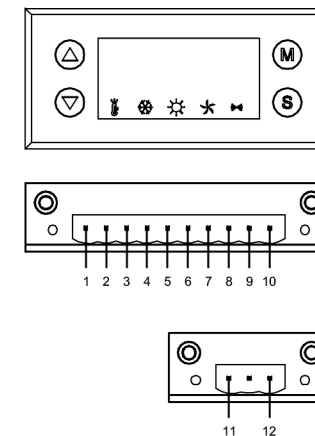
1. The louvers for ambient air intake and discharge must keep 70% above open area for having sufficient air flow
2. A separating plate must be added to avoid air short cut between intake & exhaust air

Figure 2 - Mounting interface with cabinet door



Blue dashed rectangle : Air conditioner projected dimension on door (795x495mm)

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	/	/
10	/	/
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

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	Model:	AIYB-020-020-120
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