



# AB-MP48AHU-230VI

**Job Name:** \_\_\_\_\_

**Location:** \_\_\_\_\_

**Engineer:** \_\_\_\_\_

**Submitted to:** \_\_\_\_\_

**Submitted by:** \_\_\_\_\_

**Reference:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Approval:** \_\_\_\_\_

**Construction:** \_\_\_\_\_

**Unit #:** \_\_\_\_\_

**Drawing #:** \_\_\_\_\_

## KEY FEATURES:

- Multi-position installation: horizontal (left or right), vertical (up or down)
- ECM fan motor with constant torque technology
- External static pressure up to 0.80 in. W.G.
- 1-inch R4.2 fiberglass-free insulation reduces condensation and boosts efficiency (optional)
- Optional auxiliary heat kit up to 20 kW
- Easy maintenance
- Multiple control options available:
  - Wired controller with built-in WiFi
  - Third-party 24V thermostat
  - Adaptive Control System

## NOTES:

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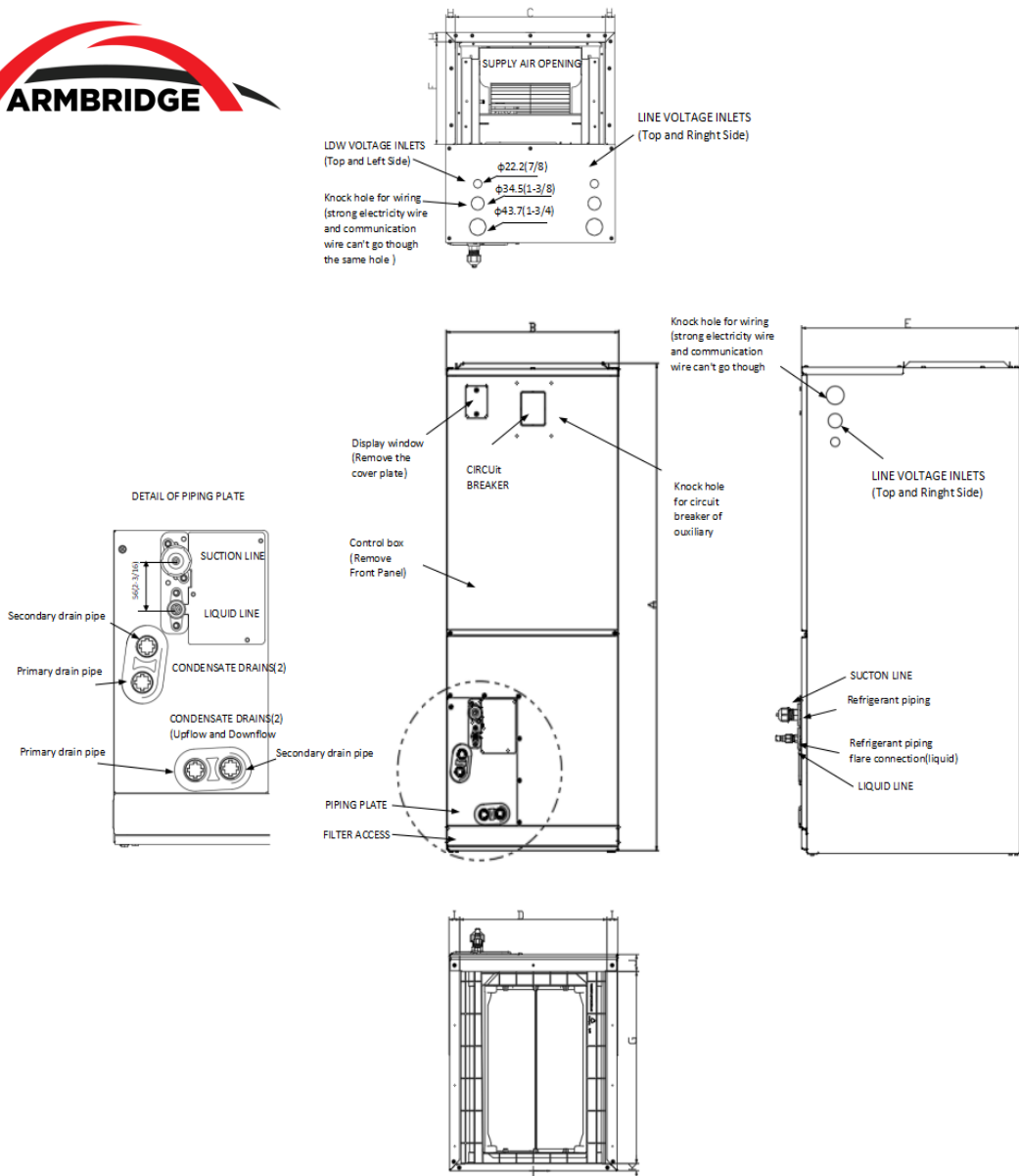


# AB-MP48AHU-230VI

<b>Indoor Model</b>			<b>AB-MP48AHU-230VI</b>
Power supply		V, Ph, Hz	208-230, 1PH, 60HZ
Communication wiring			AWG 20x3
Cooling	Capacity	Btu/h	48,000 (16,600~49,900)
	Input	w	5,333 (1,400~ 5,350)
	Rated current	A	24 (6.5~ 25)
	EER/EER2	Btu/w	9
	SEER/SEER2	Btu/w	16.5
Heating at 47 °F	Capacity	Btu/h	48,000 (15,300~49,500)
	Input	W	4,100 (1,025~ 4,650)
	Rated current	A	18.5 (5.6~ 20.6)
	COP	W/W	3.45
	HSPF4/HSPF2-4		8.5
	HSPF5/HSPF2-5		6.5
Indoor fan motor	Qty		1
	Input		560
	RLA		5.4
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1862/1227
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	50/41
Dehumidification		L/H	5.28
Indoor unit	Dimensions (WxDxH)	inch	24-31/64x21-1/32x52-63/64
	Packing (WxDxH)	inch	27-7/8x26-37/64x54-9/64
	Net/Gross weight	lbs	165/184
Drainage water pipe diameter		inch	3/4"
Refrigerant piping (Liquid side/Gas side)		inch	3/8" 3/4"
Design pressure		PSIG	609/174
Controller			485 OR 24V
Room temperature	Cooling	F	60~90
	Heating	F	60~90



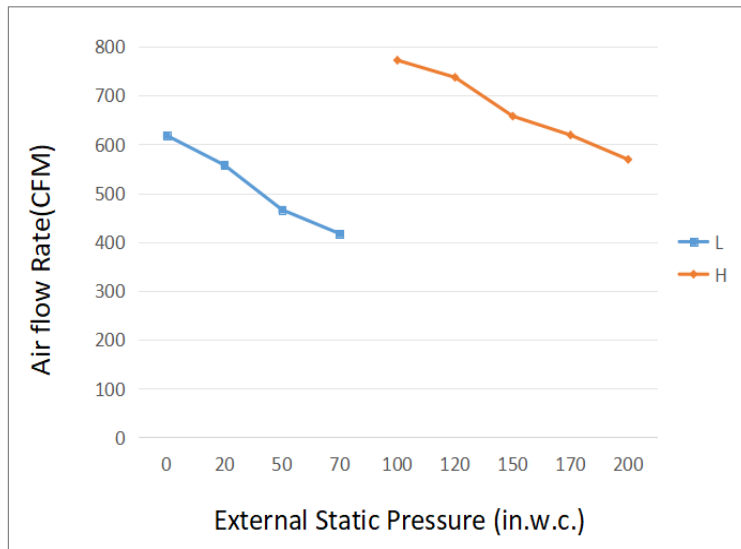
Indoor Unit Dimension



Dimensions	Model	18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45-3/4	1162	49-49/64	1264	53-47/64	1365
B	Model width	17-41/64	448	21-9/64	537	24-39/64	625
C	Supply Air Opening width	15-5/8	397	19-9/64	486	22-19/32	574
D	Return Air Opening Width	15-25/64	391	18-47/64	476	22-23/64	568
E	Model Depth	21-7/64	536	21-7/64	536	21-7/64	536
F	Supply Air Opening Depth	10-9/32	261	10-9/32	261	10-9/32	261
G	Return Air Opening Depth	18-23/32	475.5	18-23/32	475.5	18-23/32	475.5
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/8	28.5	1-1/8	28.5	1-1/8	28.5
J	Return Air Opening Front Clearance	1-21/32	42	1-21/32	42	1-21/32	42
K	Return Air Opening Back Clearance	45/64	18	45/64	18	45/64	18



Fan Performance For Indoor Unit



Features

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