

## SUBMITTAL DATA

ARX48HPJ1R32IA / ARX60HPJ1R32OA  
48000 BTU/H Unitary Heat Pump Split System

Job Name

Purchaser

Submitted to

Unit Designation

Location

Date

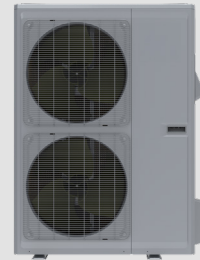
Engineer

For

Schedule No.



ARX48HPJ1R32IA



ARX60HPJ1R32OA



WK-010WC1

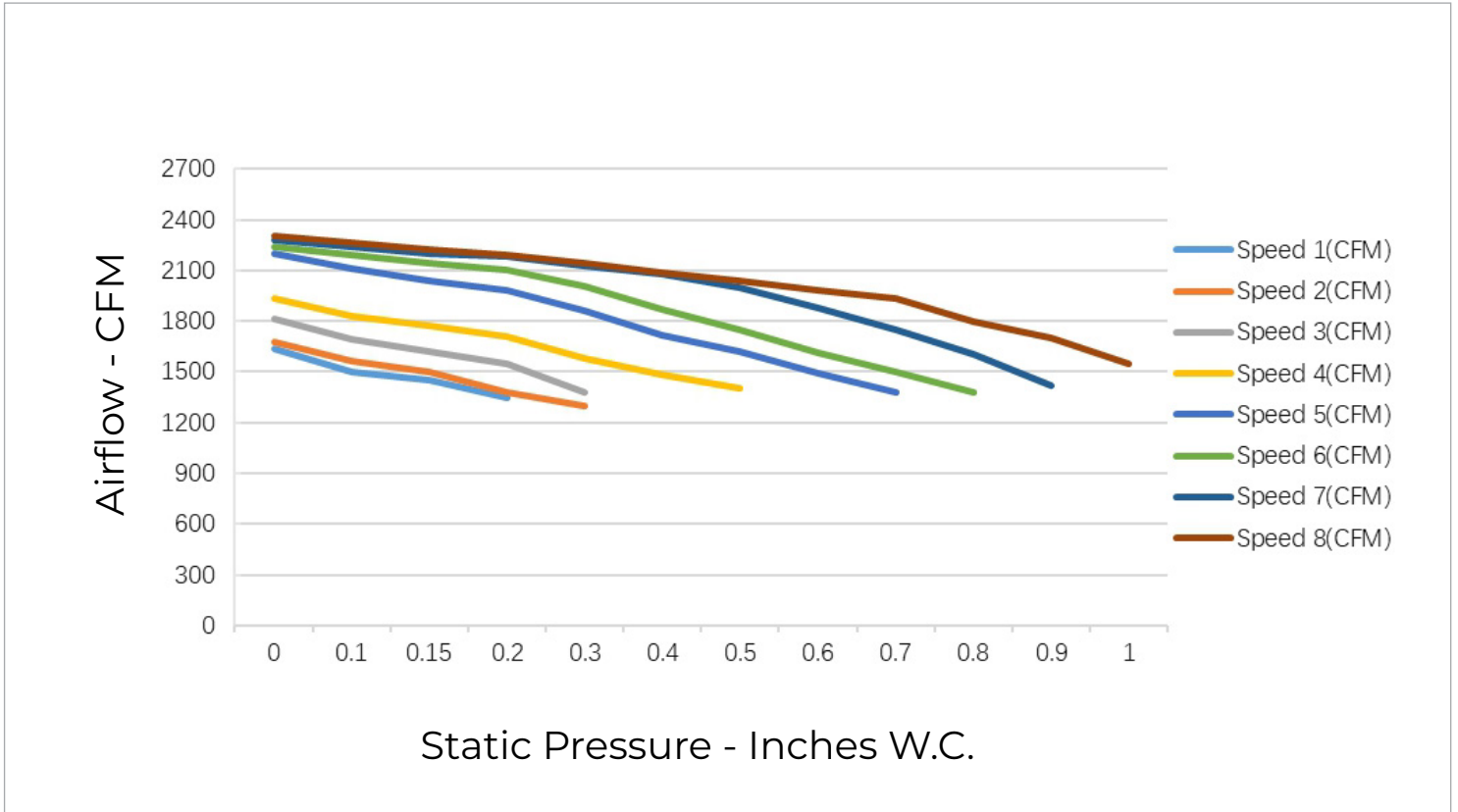
## GENERAL FEATURES

- AHRI Certificate:
- High Efficiency DC Inverter Technology
- 24VAC Thermostat Compatible
- Zero Lot Line Design
- New R32 Refrigerant
- WK-010WC1 Programmable Wired Controller Included
- Designed for New Construction or Replacement Market
- Low Ambient Cooling down to -15°C (5°F)
- Low Ambient Heating down to -30°C (-22°F)
- Coil (Outdoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Gold Colored Fin - 1500Hr Salt Spray Rating)
- Coil (Indoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Blue Colored Fin - 500Hr Salt Spray Rating)

## SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			FEATURES & FUNCTIONS SUMMARY			
Outdoor Model			ARX60HPJ1R320A	Ultra Low Frequency Torque Control	Yes	
Indoor Model			ARX48HPJ1R321A	Power Factor Correction	Yes	
SYSTEM PERFORMANCE§						
Cooling Capacity	Min - Max	Btu/h	33,792 - 55,000			
	Rated Capacity @95°F	Btu/h	48,000			
Heating Capacity	Min - Max	Btu/h	25,162 - 50,880			
	Rated Capacity @47°F	Btu/h	48,000			
	Rated Capacity @17°F	Btu/h	39,500			
	Rated Capacity @5°F	Btu/h	48,000			
SEER2			19.0			
EER2			12.0			
HSPF2			10.0			
COP @5°F			2.0			
Cooling Temperature Range		°F	5 - 129			
Heating Temperature Range		°F	-22 - 75			
Refrigerant Type			R32			
INDOOR UNIT			ARX48HPJ1R321A			
Power Supply		VAC	208-230V / 1Ph / 60 Hz			
Sound Pressure Level		dB(A)	53			
Control Voltage		VAC	24			
MOCP		A	15			
MCA		A	7.1			
Electric Heater (Optional)		kW	5, 6, 9, 10, 12, 15, 20			
Air Flow		CFM	1200			
External Static Pressure (Up to)		In W.c.	1.0			
Dehumidification		pt/hr	8.49			
Drain Piping		in	Φ1×0.05			
External Dimensions (W x D x H)		in	24-13/16 × 21-1/4 × 52			
Package Dimension (L x W x H)		in	27-1/4 × 26 × 54-3/16			
Net Weight		lbs	199.5			
Gross Weight		lbs	218.0			
OUTDOOR UNIT			ARX60HPJ1R320A			
Power Supply		VAC	208-230V / 1Ph / 60 Hz			
Sound Pressure Level		dB(A)	63			
Control Voltage		VAC	24			
Rated Current Cooling		A	30			
Rated Current Heating		A	32			
MOCP		A	45			
MCA		A	39.9			
Cmpressor Type		G20 / Double Cylinder / 2 - Stage Inverter				
External Dimensions (W x H x D)		in	35-7/16 × 49-5/8 × 13-3/8			
Package Dimension (W x H x D)		in	40-11/16 × 55-3/16 × 17-3/8			
Net Weight		lbs	241.4			
Gross Weight		lbs	263.5			
Refrigerant Charge - R32		oz	162.3			
Additional Charge		oz/ft	0.215			
REFRIGERANT PIPING						
Line Set Size (Liquid - Gas) - Flared Connections		in	3/8 - 3/4			
Pre-Charge Length		ft	31			
Pipe Length (Min - Max)		ft	10 - 98			
Max. Pipe Elevation		ft	49			
			Acrylic Resin			
			Intelligent Defrosting			Yes
			Intelligent Preheating			Yes
			Low Voltage Startup			Yes
			Memory/Power Failure Recovery			Yes
			Self Diagnosis			Yes
			Low Ambient Cooling			Yes
			24VAC Thermostat Compatible			Yes
			Indoor Fan Type			Centrifugal
			Multi Fan Speeds			5 Speeds
			Auxiliary Electrical Heater			Optional
			A2L Leak Detection Sensor (Indoor)			Factory Installed

## FAN PERFORMANCE



**NOTE:**

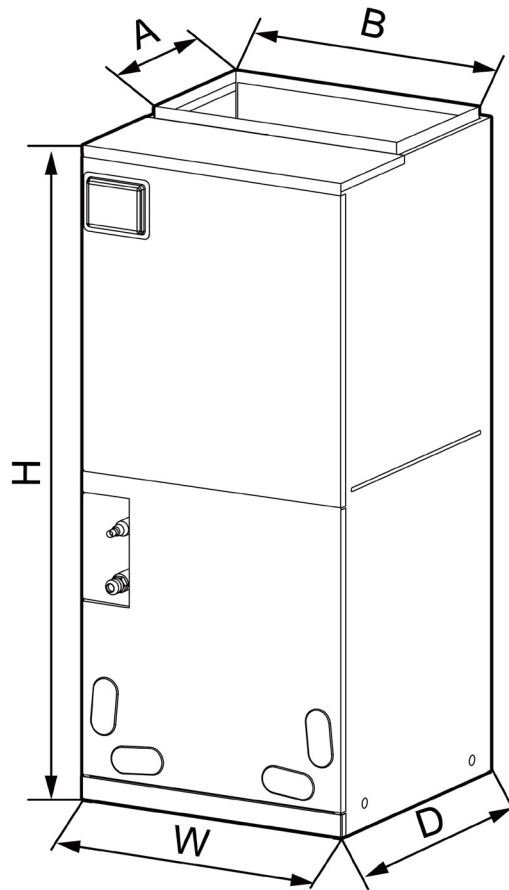
1. Above chart CFM ratings are based on dry coil with factory filter installed.
2. For wet coil CFM ratings, multiply the CFM by 0.96 correction factor.

## DIMENSIONS

### INDOOR UNIT

Unit: inch

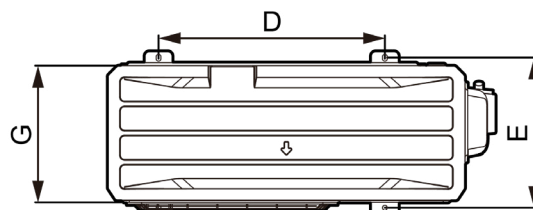
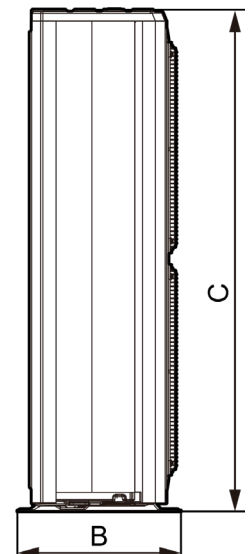
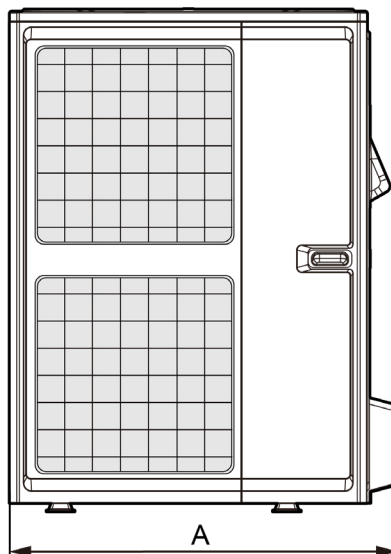
ARX48HPJ1R321A	
DIMENSIONS	
A	11-5/8
B	20
H	52
W	24-13/16
D	21-1/4



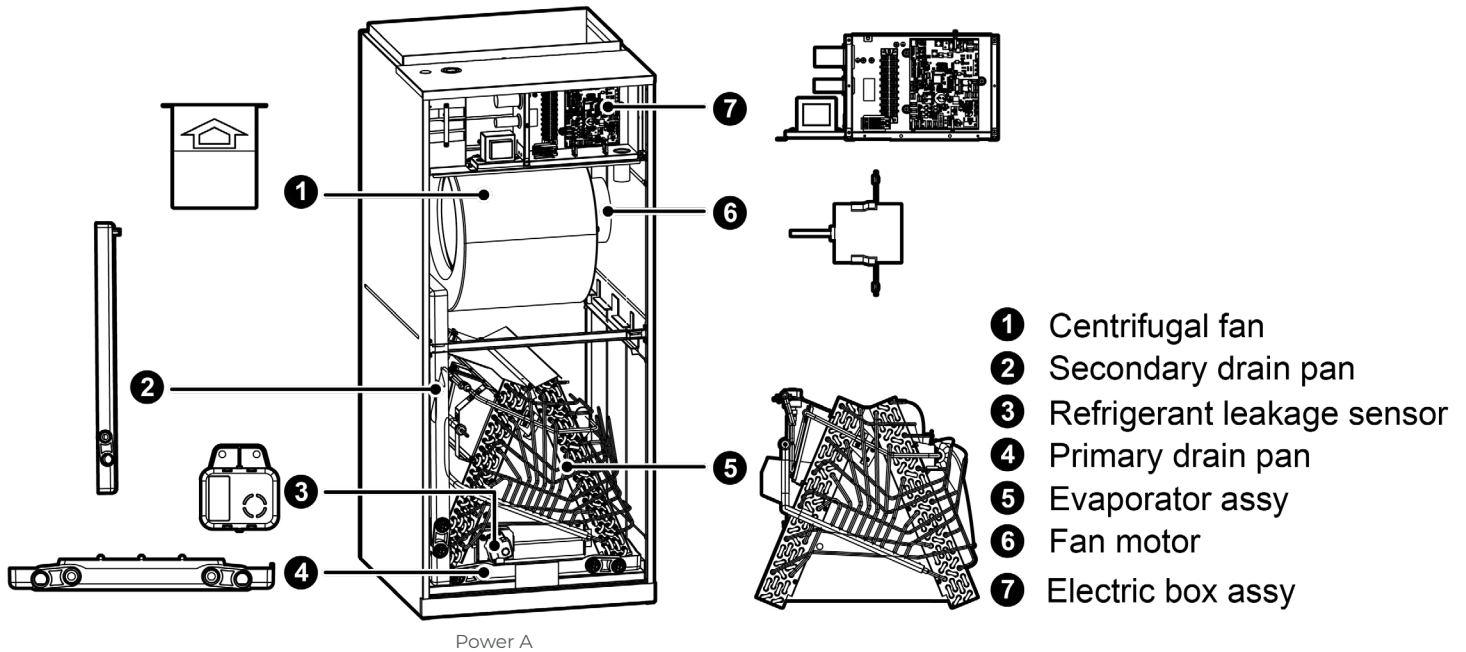
### OUTDOOR UNIT

Unit: inch

ARX60HPJ1R320A	
DIMENSIONS	
A	35-7/16
B	16-1/4
C	49-5/8
D	22-7/16
E	14-7/8
G	13-3/8



## ACCESSORY HEATER AND GENERAL INFORMATION



MODEL	Heat Kit Model	Part Number	Electric Heat (kW)		Min. Circuit Ampacity (A)		Max Fuse or Breaker (A)	
			208V	230V	208V	230V	208V	230V
ARX48HPJ1R321A	320004060249	FLEXA2LHTR05KWD	3.74	4.6	28	29.9	30	35
	320004060250	FLEXA2LHTR10KWD	7.49	9.2	50	55	60	60
	320004060251	FLEXA2LHTR15KWD	11.23	13.8	74	82	80	90
	320004060252	FLEXA2LHTR20KWD	14.98	18.4	98	108	100	110

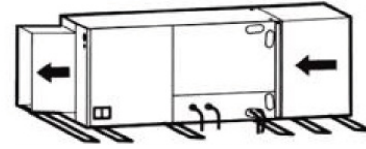
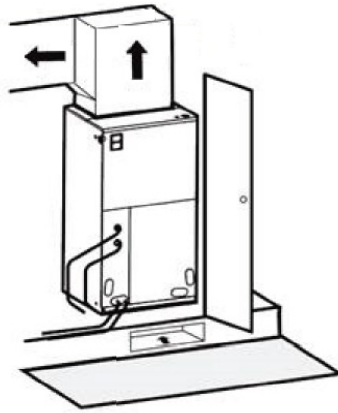
MODEL	Heat Kit Model	Part Number	Electric Heat (kW)		Min. Circuit Ampacity (A)		Max Fuse or Breaker (A)						
			208V	230V	208V	230V	208V	230V	208V	230V			
ARX48HPJ1R321A	One Mains Supply												
	320004060223	FLEXA2LHTR06	3.74	4.6	31	33	35	35					
	Two Mains Supply												
						Power A	Power B	Power A	Power B	Power A	Power B	Power A	Power B
	320004060224	FLEXA2LHTR09	6.03	7.36	35	13.8	36.9	15	40	15	40	20	
320004060225	FLEXA2LHTR12	7.49	9.2	35	27.5	36.9	30	40	30	40	35		

# CLEARANCES

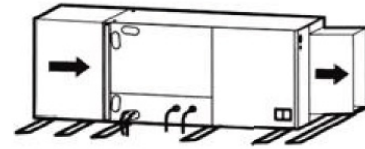
## INDOOR UNIT

Minimum clearance

**FRONT** > 24



Horizontal Left Configuration - No Modification Needed



Horizontal Right Configuration - Must Relocate Drain Pan

**NOTE:**

Allow a minimum of 24" in front of the unit for service clearance. When installing in an area directly over a finished ceiling (such as an attic), an emergency drain pan is required directly under the unit. **See local and state codes for requirements.** When installing this unit in an area that may become wet, elevate the unit with a sturdy, non-porous material. In installations that may lead to physical damage (i.e. a garage) it is advised to install a protective barrier to prevent such damage. This air handler is designed for a complete supply and return ductwork system.

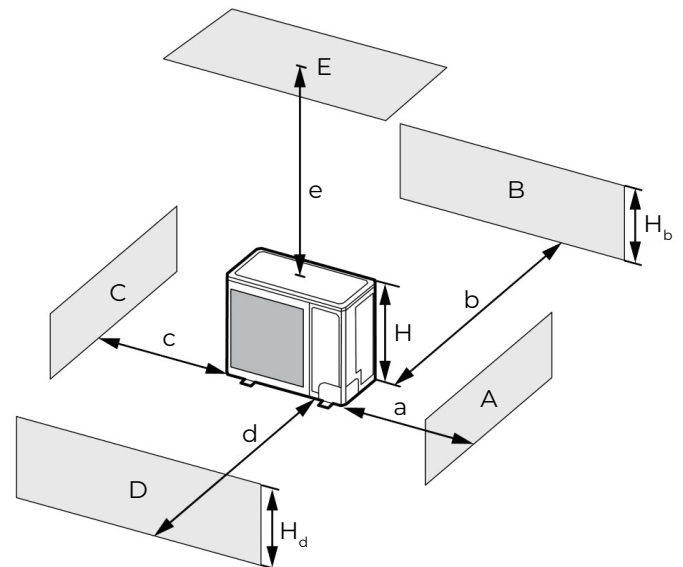
## OUTDOOR UNIT

Minimum clearance

**NOTE:**  
Install the Outdoor Unit **2 Inches** Above the Expected Snow Line

1. When one outdoor unit is to be installed.

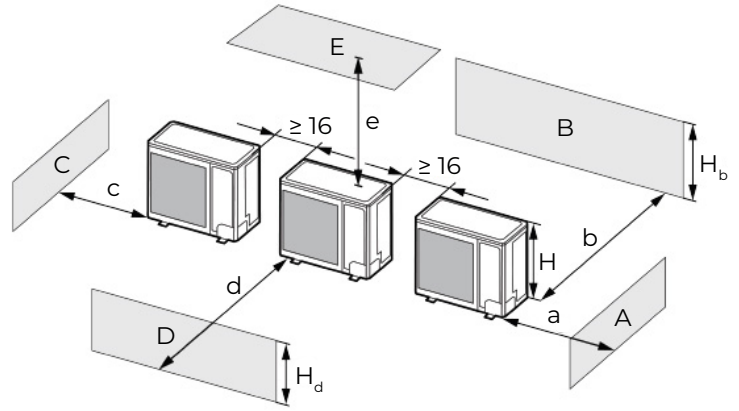
A - E	$H_b$ $H_d$ H		(in)				
			a	b	c	d	e
B	-	-	-	$\geq 4$	-	-	-
A, B, C	-	-	$\geq 12$	$\geq 4$	$\geq 4$	-	-
B, E	-	-	-	$\geq 4$	-	-	$\geq 40$
A, B, C, E	-	-	$\geq 12$	$\geq 6$	$\geq 6$	-	$\geq 40$
D	-	-	-	-	-	$\geq 40$	-
D, E	-	-	-	-	-	$\geq 40$	$\geq 40$
B, D	$H_b < H_d$	$H_d < H$	-	$\geq 4$	-	$\geq 40$	-
	$H_b > H_d$	$H_d > H$	-	$\geq 4$	-	$\geq 40$	-
B, D, E	-	$H_b \leq 1/2H$	-	$\geq 10$	-	$\geq 80$	$\geq 40$
	$H_b < H_d$	$1/2H < H_b \leq H$	-	$\geq 10$	-	$\geq 80$	$\geq 40$
	-	$H_b > H$	Prohibited				
	$H_b > H_d$	$H_d \leq 1/2H$	-	$\geq 4$	-	$\geq 80$	$\geq 40$
	$H_b > H_d$	$1/2H < H_d \leq H$	-	$\geq 8$	-	$\geq 80$	$\geq 40$
-	$H_d > H$	Prohibited					



# CLEARANCES

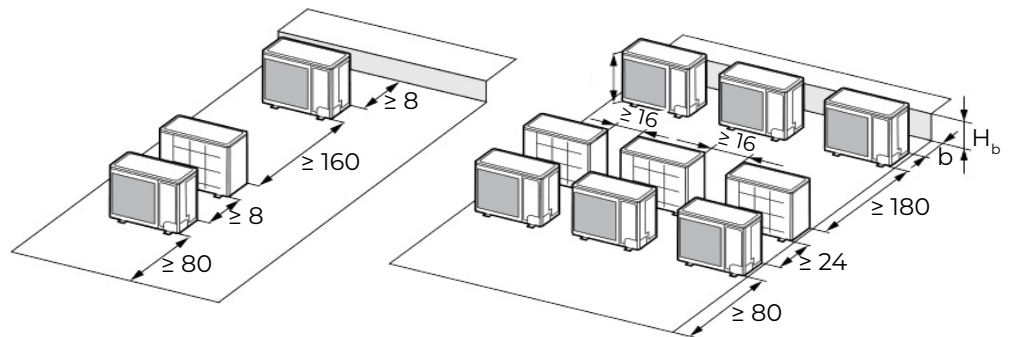
2. When two or more outdoor units are to be installed side by side.

A - E	$H_b$ $H_d$ $H$		(in)				
			a	b	c	d	e
A, B, C	-	-	$\geq 12$	$\geq 12$	$\geq 40$	-	-
A, B, C, E	-	-	$\geq 12$	$\geq 12$	$\geq 40$	-	$\geq 40$
D	-	-	-	-	-	$\geq 80$	-
D, E	-	-	-	-	-	$\geq 80$	$\geq 40$
B, D	$H_b < H_d$	$H_d > H$	-	$\geq 12$	-	$\geq 80$	-
	$H_b > H_d$	$1/2H < H_d \leq H$	-	$\geq 10$	-	$\geq 80$	-
B, D, E	$H_b > H_d$	$H_b \leq 1/2H$	-	$\geq 12$	-	$\geq 80$	$\geq 40$
		$1/2H < H_b \leq H$	-	$\geq 12$	-	$\geq 100$	$\geq 40$
	$H_b < H_d$	$H_b > H$	Prohibited				
		$H_d \leq 1/2H$	-	$\geq 10$	-	$\geq 100$	$\geq 40$
	$H_b > H_d$	$1/2H < H_d \leq H$	-	$\geq 12$	-	$\geq 100$	$\geq 40$
		$H_d > H$	Prohibited				

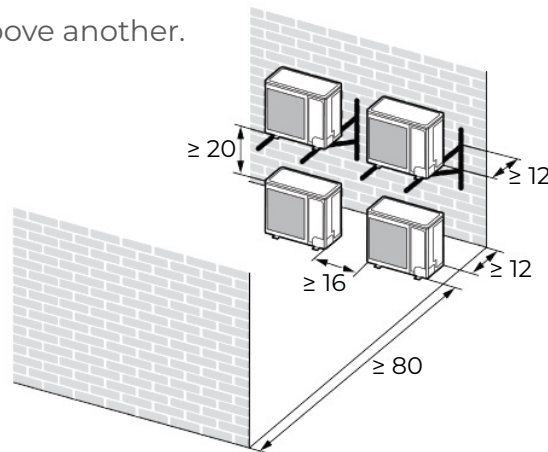


3. When outdoor units are installed in rows.

$H_b$ $H_d$	(in)
$H_b \leq 1/2H$	$b \leq 10$
$1/2H < H_b \leq H$	$b \leq 12$
$H_b > H_d$	Prohibited



4. When outdoor units are installed one above another.



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