DHMVHA
Ductless Split Unit System
Sizes 9, 12, 18 and 24

Installation Instructions

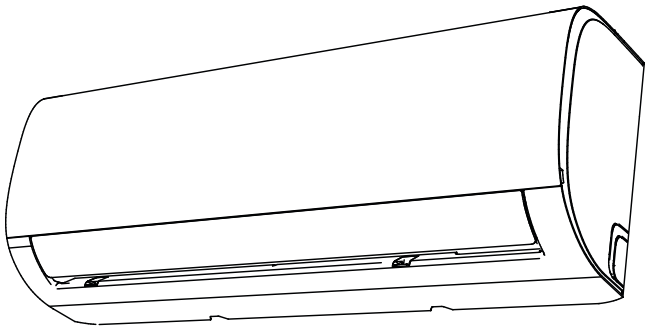

Fig. 1 — High Wall Unit

NOTE: Read the entire instruction manual before starting the installation.

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SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with kits or accessories when installing.

Follow all safety codes. Wear safety glasses, protective clothing and work gloves. Have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in the literature and attached to the unit. Consult local building codes and the current editions of the National Electrical Code (NEC) NFPA 70.

In Canada, refer to the current editions of the Canadian Electrical Code CSA C22.1. Recognize safety information.

This is the safety-alert symbol ⚠. When you see this symbol on the unit and in instruction manuals, be alert to the potential for personal injury. Understand the signal words **DANGER**, **WARNING**, and **CAUTION**. These words are used with the safety-alert symbol. **DANGER** identifies the most serious hazards which will result in severe personal injury or death. **WARNING** signifies hazards which could result in personal injury or death. **CAUTION** is used to identify unsafe practices which may result in minor personal injury or product and property damage. **NOTE** is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

⚠ WARNING

ELECTRICAL OPERATION HAZARD
Failure to follow this warning could result in personal injury or death.
Before installing or servicing the unit, always turn off all power to the unit. There may be more than one disconnect switch. Turn off accessory heater power if applicable. Lock out and tag switch with a suitable warning label.

⚠ CAUTION

CUT HAZARD
Failure to follow this caution may result in personal injury. Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate protective clothing and gloves when handling parts.

PARTS LIST

The system is shipped with the following parts and accessories (see Table 1). Use all of the installation parts and accessories to install the system. Improper installation may result in water leakage, electrical shock and fire, or cause the equipment to fail. Keep the installation manual in a safe place and do not discard any other accessories until the installation work has been completed.

Table 1 — Parts and Accessories

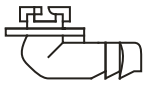
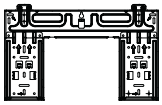
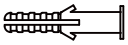
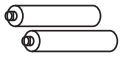
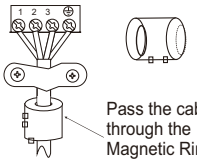
NAME	SHAPE	QUANTITY
Installation Manual		1
Drain Joint		1
Seal (for cooling and heating models)		1
Mounting Plate		1
Anchor		5-8 (depending on models)
Mounting Plate Screw		5-8 (depending on models)
Remote Controller		1
Battery		2
Remote Controller Holder (optional)		1
Remote Controller Holder Screw (optional)		2
Small Filter (Must be installed on the back of the main air filter by an authorized technician during unit installation		1-2 depending on the model

Table 2 — Accessories

NAME	SHAPE		QUANTITY (PC)
Connecting Pipe Assembly	Liquid Side	1/4in(Φ6.35)	These parts must be purchased separately. Consult the dealer about the proper pipe size of the unit purchased.
		3/8in (Φ9.52)	
	Gas Side	1/2in (Φ12.7)	
		5/8in (Φ16)	
Magnetic Ring and Clamp (if supplied refer to the wiring diagram to install it to the cable.			Varies by model

DIMENSIONS

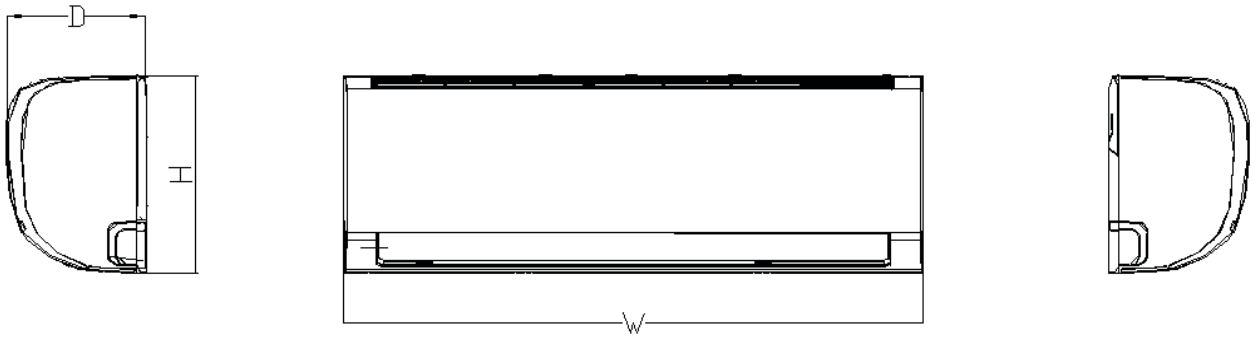


Fig. 2 — Dimensions

Table 3 — Dimensions

HIGH WALL UNIT SIZE		9K	12K	9K	12K	18K	24K
(Voltage)		(115V)	(115V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)
Height (H)	In/ (mm)	11.22 (285)	11.22 (285)	11.22 (285)	11.22 (285)	11.89 (302)	12.80 (325)
Width (W)	In/ (mm)	28.15 (715)	31.69 (805)	31.69 (805)	31.69 (805)	37.68 (957)	40.87 (1038)
Depth (D)	In/ (mm)	7.68 (195)	7.68 (195)	7.68 (195)	7.68 (195)	8.39 (213)	8.66 (220)
PACKAGING							
Height	In/ (mm)	14.17 (360)	14.17 (360)	14.17 (360)	14.17 (360)	15.16 (385)	15.94 (405)
Width	In/ (mm)	30.71 (780)	34.25 (870)	34.25 (870)	34.25 (870)	40.75 (1035)	44.09 (1120)
Depth	In/ (mm)	10.63 (270)	10.63 (270)	10.63 (270)	10.63 (270)	11.61 (295)	12.20 (310)
Thickness	In/ (mm)	0.295 (7.5)	0.295 (7.5)	0.295 (7.5)	0.295 (7.5)	0.295 (7.5)	0.295 (7.5)
Weight - Gross	lbs. (kg)	20.5 (9.3)	22.0 (10.0)	22.0 (10.0)	22.0 (10.0)	29.30 (13.3)	33.60 (16.6)
Weight - Net	lbs. (kg)	15.9 (7.2)	17.2 (7.8)	17.2 (7.8)	17.2 (7.8)	22.9 (10.4)	28.88 (13.1)

CLEARANCES

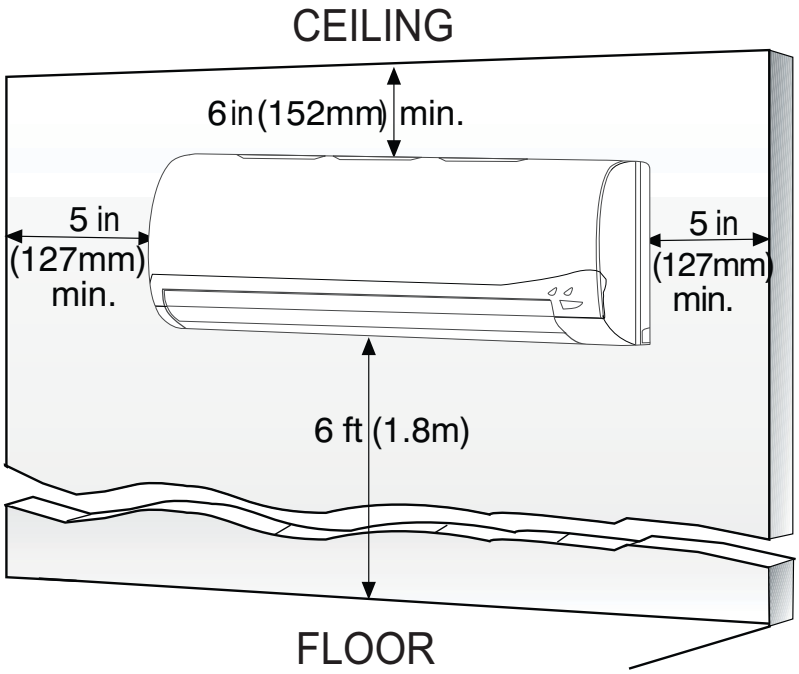


Fig. 3 — Unit Clearances

UNIT PARTS

NOTE: The installation must be performed in accordance with the requirement of local and national standards. The installation may be slightly different in some areas.

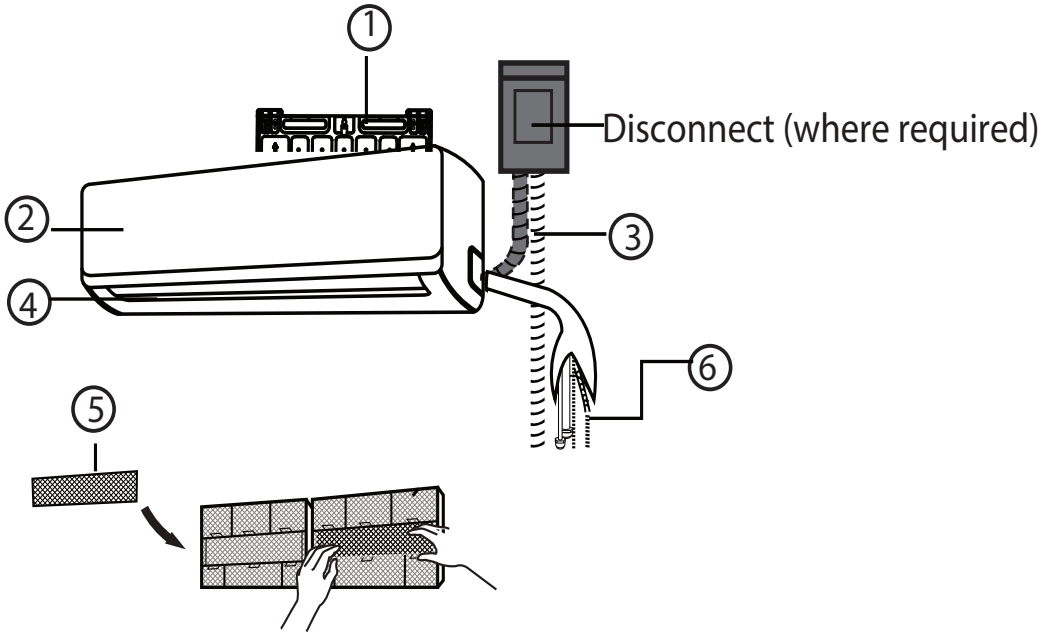


Fig. 4 — Unit Parts

1. Wall Mounting Plate
2. Front Panel
3. Power Cable (field supplied)
4. Louver
5. Carbon Filter (on the back of the main filter)
6. Drainage Pipe

PRIOR TO INSTALLATION

Before installing the indoor unit, ensure the compatibility with the outdoor unit using the product data as a reference.

Step 1 - Check Equipment

Unpack the unit and move to the final location. Remove the carton, taking care not to damage the unit. Inspect the equipment for damage prior to installation. File a claim with the shipping company if the shipment is damaged or incomplete.

Locate the unit rating plate, which contains the proper installation information. Check the rating plate to ensure the unit matches the job specifications.

The indoor unit should be installed in a location that meets the following requirements:

- Enough room for installation and maintenance
- Enough room for the lineset and drainpipe
- A horizontal ceiling and a structure that can sustain the weight of the indoor unit
- The air inlet and outlet are not impeded

⚠ CAUTION

DO NOT install the system in the following locations:

- Areas with oil drilling or fracking
- Coastal areas with high salt content in the air
- Areas with caustic gases in the air, such as near hot springs
- Areas with power fluctuations, such as factories
- Enclosed spaces, such as cabinets
- Areas with strong electromagnetic waves
- Areas that store flammable materials or gas
- Rooms with high humidity, such as bathrooms or laundry rooms.

⚠ WARNING

PRODUCT INSTALLATION

- Installation must be performed by an authorized dealer or specialist. A defective installation can cause water leakage, electrical shock, or fire.
- The installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire. (In North America, installation must be performed in accordance with the requirements of NEC or CEC by authorized personnel only.)
- Contact an authorized service technician for repair or maintenance of this unit. This appliance must be installed in accordance with local codes.
- Only use the included accessories, parts, and specified parts for installation. Using non-standard parts can cause water leakage, electrical shock, fire, or unit failure.
- Install drainage piping according to the instructions in this manual. Improper drainage may cause water damage to your home and property.
- For units that have an auxiliary electric heater, **DO NOT** install the unit within 3 feet (1 meter) of any combustible materials.
- **DO NOT** install the unit in a location that may be exposed to combustible gas leaks. If combustible gas accumulates around the unit, it may cause a fire.
- **DO NOT** turn on the power until all work has been completed.
- When moving or relocating the system, consult experienced service technicians for the disconnection and re-installation of the unit.

Step 2 - Select the Installation Location

Before installing the indoor unit, choose an appropriate location.

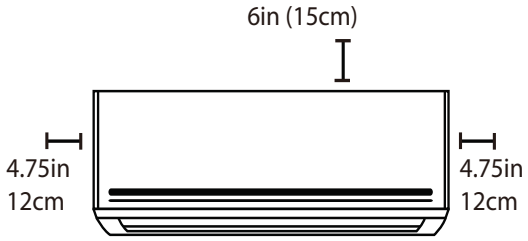


Fig. 5 — Select installation location

Proper installation locations must meet the following standards:

1. Good air circulation
2. Convenient drainage
3. Noise from the unit will not disturb others
4. Firm and solid—the location will not vibrate
5. A location at least 3.28 ft. (1m) from all other electrical devices (e.g., TV, radio, computer)
6. **DO NOT** install the unit in the following locations:
   a. Near any source of heat, steam, or combustible gas
   b. Near flammable items such as curtains or clothing
   c. Near any obstacle that might block air circulation
   d. Near the doorway
   e. In a location subject to direct sunlight

NOTE: When selecting a location leave ample room for a wall hole (refer to the drill wall hole for connective piping step) for the signal cable and refrigerant piping that connect the indoor and outdoor units. The default position for all piping is the right side of the indoor unit (while facing the unit). However, the unit can accommodate piping to either left or right.

Step 3 - Mount the Indoor Unit

If new connected piping to the outdoor unit has been installed, complete the following steps:

1. If you have already passed the refrigerant piping through the hole in the wall, proceed to step 4. Otherwise, confirm that the ends of the refrigerant pipes are sealed to prevent dirt or foreign materials from entering the pipes.
2. Slowly pass the wrapped bundle of refrigerant pipes, drain hose, and signal wire through the hole in the wall.
3. Hook the top of the indoor unit on the upper hook of the mounting plate.
4. Ensure the unit is hooked firmly on the mounting by applying slight pressure to the left and right-hand sides of the unit. The unit should not jiggle or shift.
5. Using even pressure, push down on the bottom half of the unit. Keep pushing down until the unit snaps onto the hooks along the bottom of the mounting plate.
6. Again, check that the unit is firmly mounted by applying slight pressure to the left and the right-hand sides of the unit.

If refrigerant piping is already embedded in the wall, complete the following steps:

1. Hook the top of the indoor unit on the upper hook of the mounting plate.
2. Use a bracket or wedge to prop up the unit, allowing enough room to connect the refrigerant piping, signal cable, and the drain hose.

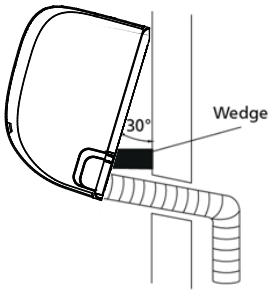


Fig. 6 — Wedge to prop the unit

3. Connect the drain hose and refrigerant piping.
4. Keep the pipe connection point exposed to perform the leak test.
5. After the leak test, wrap the connection point with insulation tape.
6. Remove the bracket or wedge that is propping up the unit.
7. Using even pressure, push down on the bottom half of the unit. Keep pushing down until the unit snaps onto the hooks along the bottom of the mounting plate.

NOTE: Keep in mind that the hooks on the mounting plate are smaller than the holes on the back of the unit. If you find that you do not have ample room to connect embedded pipes to the indoor unit, the unit can be adjusted left or right by about 1.18-1.95in (30-50mm), depending on the model.

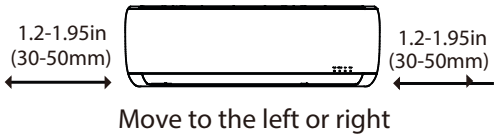


Fig. 7 — Move to the left or right

Step 4 - Attach the Mounting Plate to the Wall

Use the following steps to attach the mounting plate to the wall.

1. Carefully remove the mounting plate, which is attached to the back of the indoor unit.
2. The mounting plate should be located horizontally and level on the wall. All minimum spacings should be maintained.
3. If the wall is block, brick, concrete or similar material, drill 0.2in (5 mm) diameter holes and insert anchors for the appropriate mounting screws.
4. Attach the mounting plate.

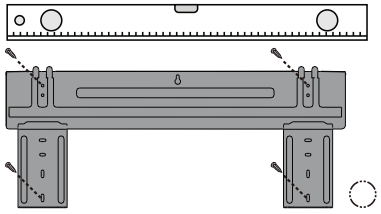


Fig. 8 — Attach the mounting plate

5. Drill holes in the wall:

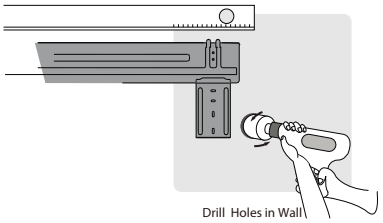


Fig. 9 — Drill holes in wall

a. If the wall is brick, concrete or of similar material, drill a 5mm-diameter (0.2in-diameter) hole into the wall and insert the sleeve anchors provided.
b. Next, secure the mounting plate to the wall by tightening the screws directly into the clip anchors.

Step 5 - Drill Wall Holes for Connective Piping

1. Determine the location of the wall hole based on the position of the mounting plate. Refer to “Mounting Plate Dimensions”.
2. Use a 2.5in (65mm) or 3.54in (90mm) (depending on models) core drill to drill a hole in the wall. Make sure that the hole is drilled at a slightly downward angle so the outdoor end of the hole is lower than the indoor end by about 0.2 - 0.275in (5 - 7mm). This ensures proper water drainage.
3. Place the protective wall cuff in the hole. This protects the edges of the hole and helps to seal it once the installation is complete.

Mounting Plate Dimensions

Different model sizes have different mounting plates. Ensure there is enough room to mount the indoor unit (refer to Figures 10−12). The following measurements can be located on these figures:

- Width of mounting plate
- Height of mounting plate
- Width of indoor unit relative to plate
- Height of indoor unit relative to plate
- Recommended position of wall hole (both to the left and right of mounting plate)
- Relative distances between screw holes.

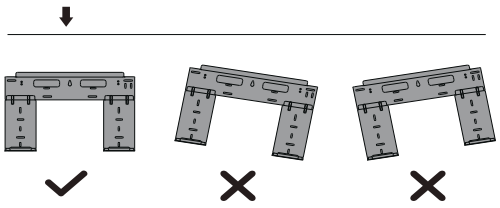


Fig. 10 — Mounting Plate Orientation

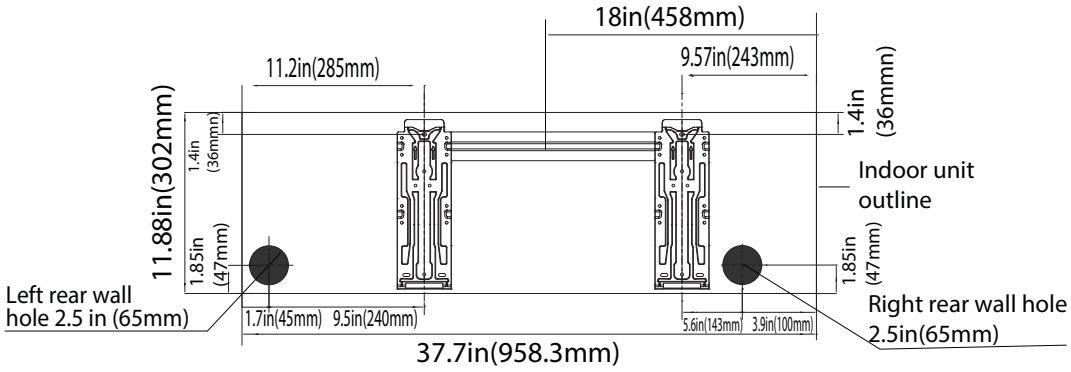


Fig. 11 — Model C

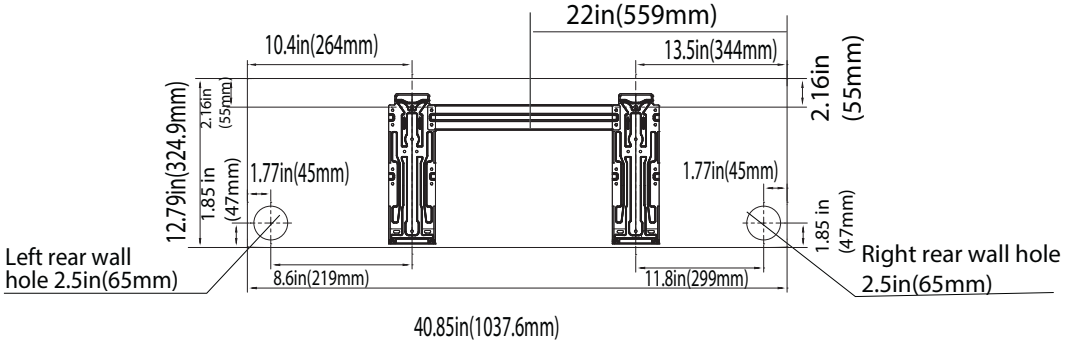


Fig. 12 — Model D

NOTE: When the gas side connective pipe is 5/8in (16mm Φ) or more, the wall hole should be 3.54in (90mm).

DRILL A HOLE IN WALL FOR THE INTERCONNECTING PIPING, DRAIN AND WIRING

Refrigerant Line Routing

The refrigerant lines may be routed in any of the four directions. For maximum serviceability, it is recommended to have refrigerant line flare connections and the drain connections on the outside of the wall that the fan coil can be mounted on.

If piping is going through the back, determine the pipe hole position using the mounting plate as a template.

Step 6 - Prepare Refrigerant Piping

The refrigerant piping is inside an insulating sleeve attached to the back of the unit. The installer must prepare the piping before passing it through the hole in the wall.

1. Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping exits the unit.
2. If the wall hole is behind the unit, keep the knock-out panel in place. If the wall hole is to the side of the indoor unit, remove the plastic knock-out panel from that side of the unit. This creates a slot through which the piping can exit the unit. Use needle nose pliers if the plastic panel is too difficult to remove by hand.

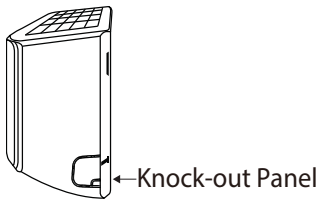


Fig. 13 — Knock-out Panel

3. If the existing connective piping is already embedded in the wall, proceed directly to "Step 7 - Connect the Drain Hose". If there is no embedded piping, connect the indoor unit's refrigerant piping to the connective piping that connects the indoor and outdoor units.

NOTE: Refrigerant piping can exit the indoor unit from four different angles; left-hand side, right-hand side, left rear, right rear.

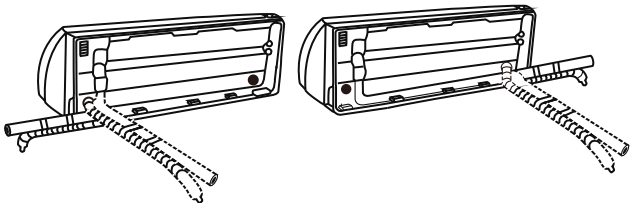


Fig. 14 — Piping Angles

⚠ CAUTION

Be extremely careful not to dent or damage the piping while bending them away from the system. Any dents in the piping will affect the system's performance.

Step 7 - Connect the Drain Hose

By default, the drain hose is attached to the left-hand side of the unit (when you are facing the back of the unit). However, it can also be attached to the right-hand side. To ensure proper drainage, attach the drain hose on the same side that the refrigerant piping exits the unit. Attach a drain hose extension (purchased separately) to the end of drain hose.

- Wrap the connection point firmly with Teflon™ tape to ensure a good seal and to prevent leaks.
- For the portion of the drain hose that remains indoors, wrap it with foam pipe insulation to prevent condensation.
- Remove the air filter and pour a small amount of water into the drain pan to ensure that water flows smoothly from the unit.

NOTE: Be sure to arrange the drain hose according to figure 15.

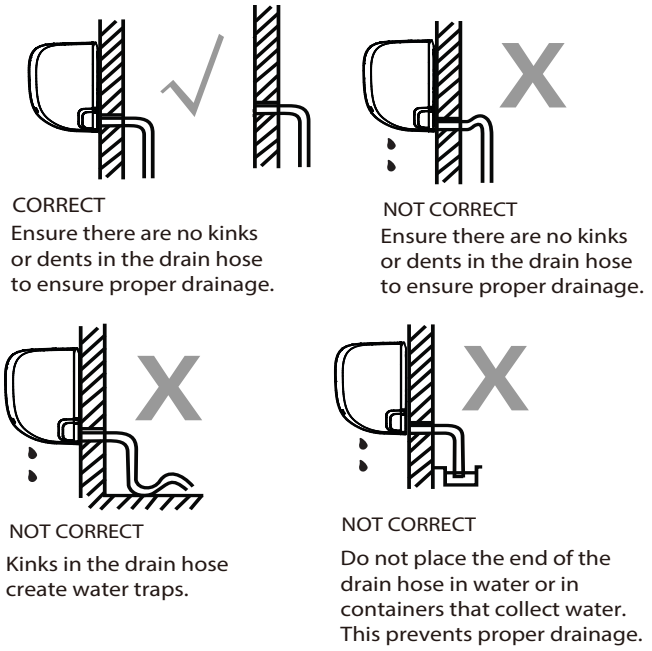


Fig. 15 — Drain Hose Placement

Plug the Unused Drain Hole

To prevent unwanted leaks, plug the unused drain hole with the rubber plug provided.

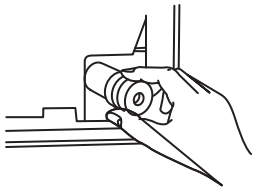


Fig. 16 —Plug the Unused Drain Hole

⚠ CAUTION

All wiring must comply with local and national electrical codes, regulations and must be installed by a licensed electrician.
All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.
If there is a serious safety issue with the power supply, stop work **immediately**. Explain your reasoning to the client, and refuse to install the unit until the safety issue is properly resolved.
Power voltage should be within 90-110% of rated voltage. Insufficient power supply can cause malfunction, electrical shock, or fire. If connecting power to fixed wiring, a surge protector and main power switch should be installed.
If connecting power to fixed wiring, a switch or circuit breaker that disconnects all poles and has a contact separation of at least 1/8in (3mm) must be incorporated in the fixed wiring. The qualified technician must use an approved circuit breaker or switch.
Only connect the unit to an individual branch circuit outlet. Do not connect another appliance to that outlet.
Properly ground the air conditioner. Every wire must be firmly connected. Loose wiring can cause the terminal to overheat, resulting in product malfunction and possible fire. Do not let wires touch or rest against refrigerant tubing, the compressor, or any moving parts within the unit.
To avoid getting an electric shock, never touch the electrical components soon after the power supply has been turned off. After turning off the power, always wait 10 minutes or more before you touch the electrical components.

⚠ WARNING

Before performing any electrical or wiring work, turn off the main power to the system.

Step 8 - Connect the Signal and Power Cables

All wires must be sized per NEC (National Electrical Code) or CEC (Canadian Electrical Code) and local codes. See the rating plate and/ or the installation instructions of the compatible outdoor unit for MCA (minimum circuit amps) and MOCP (maximum over current protection) to correctly size the wires and the disconnect fuse or breakers respectively.

Recommended Connection Method for Power and Communication Wiring:
The main power is supplied to the outdoor unit. The field supplied 14/3 power/communication wiring from the outdoor unit to the indoor unit consists of four (4) wires and provides the power for the indoor unit. Two wires are high voltage AC power, one is communication wiring and the other is a ground wire. Wiring between the indoor and outdoor unit is polarity sensitive. The use of BX wire is NOT recommended. If installed in a high Electromagnetic field (EMF) area and communication issues exists, a 14/2 stranded shielded wire can be used to replace L2/N and (S) between outdoor unit and indoor unit landing the shield onto ground in the outdoor unit only.

1. Open front panel of the indoor unit.
2. Use a screwdriver to open the wire box cover on the right side of the unit. This reveals the terminal block.

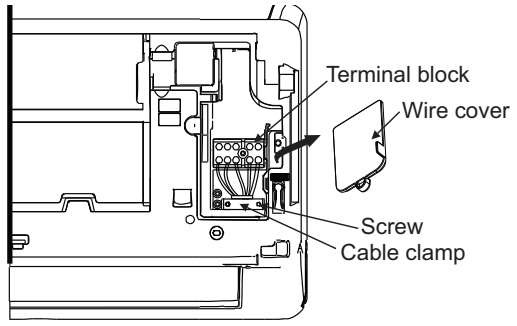


Fig. 17 — Wire Box Cover

⚠ WARNING

All wiring must be performed strictly in accordance with the wiring diagram located on the back of indoor unit's front panel.

3. Unscrew the cable clamp, below the terminal block, and place it to the side.
4. Facing the back of the unit, remove the plastic panel on the bottom left-hand side.
5. Feed the signal wire through this slot, from the back of the unit to the front.
6. Facing the front of the unit, connect the wire according to the indoor wiring diagram, connect the u-lug and firmly screw each wire to its corresponding terminal.

⚠ CAUTION

Before making wire connections - be sure to correctly identify high voltage wires and neutral/ground wires

7. After checking to ensure every connection is secure, use the cable clamp to fasten the signal cable to the unit. Screw the cable clamp down tightly.
8. Replace the wire cover on the front of the unit, and the plastic panel on the back.

NOTE: The wiring connection process may differ slightly between units and regions.

WIRING

Size all wires per the NEC (National Electrical Code) or CEC (Canadian Electrical Code) and local codes. Use the electrical data from the outdoor unit (MCA - minimum circuit amps and MOCP - maximum over current protection), to correctly size the wires and the disconnect fuse or breakers respectively.

SIZES 9-24 RECOMMENDED CONNECTION METHOD FOR POWER AND COMMUNICATION WIRING

Power and Communication Wiring: The main power is supplied to the outdoor unit. The field supplied 14/3 power/communication wiring, from the outdoor unit to the indoor unit, consists of four (4) wires and provides the power for the indoor unit. Two wires are high voltage AC power, one is communication wiring and the other is a ground wire.

To minimize communication interference: If installed in a high Electromagnetic field (EMF) area and communication issues arise, a 14/2 stranded shielded cable can be used to replace L2 and (S) between the outdoor and indoor units - landing the shield onto the ground in the outdoor unit only.

⚠ CAUTION

EQUIPMENT DAMAGE HAZARD

Be sure to comply with local codes while running wire from the indoor unit to the outdoor unit.

Every wire must be connected firmly. Loose wiring may cause the terminal to overheat or result in a unit malfunction. A fire hazard may also exist. Ensure all wiring is tightly connected.

No wire should touch the refrigerant tubing, compressor or any moving parts.

Disconnecting means must be provided and located within sight and readily accessible from the system. Route the connecting cable with conduit through the hole in the conduit panel.

Step 9 - Wrap Piping and Cables

1. Bundle the drain hose, refrigerant pipes, and signal cable.

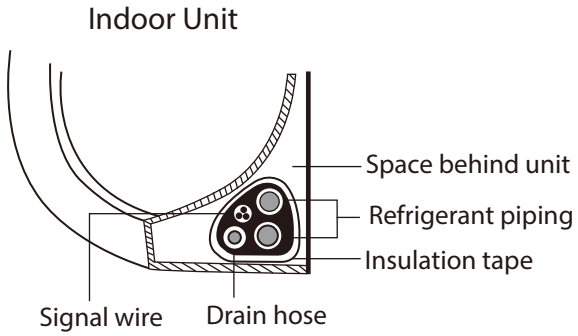


Fig. 18 — Bundle the drain hose

NOTE: Ensure the drain hose is at the bottom of the bundle. Placing the drain hose at the top of the bundle can cause the drain pan to overflow, which can lead to fire or water damage.

NOTE: While bundling these items together, do not intertwine or cross the signal cable with any other wiring.

2. Using adhesive vinyl tape, attach the drain hose to the underside of the refrigerant pipes.
3. Using insulation tape, wrap the signal wire, refrigerant pipes, and drain hose tightly together. Double-check that all items are bundled.

NOTE: When wrapping the bundle, keep the ends of the piping unwrapped. Technicians may need to access them to test for leaks at the end of the installation process.

ELECTRICAL DATA

Table 4 — Electrical Data

Outdoor Unit		9K (115V)	12K (115V)	9K (208/230V)	12K (208/230V)	18K (208/230V)	24K (208/230V)
Minimum Circuit Ampacity (MCA)	A	16	17	12	12	15	19
Maximum Over-current Protection Ampacity (MOPA)	A	25	25	15	15	20	30
Voltage-Phase-Frequency		115-1-60	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Min - Max Voltage Range		95~130V	95~130V	165~264V	165~264V	165~264V	165~264V
COOLING							
Running Current	(A)	7.5	11.89	5.92	5.92	7.6	12.3
Power consumption	(W)	890	1,368	1,365	1,365	1,720	2,695
Power factor	(%)	79.9	82.1	99	99	99.2	99.5
HEATING							
Running current	(A)	8.9	10.54	5.27	5.27	7.5	11.3
Power consumption	(W)	1,025	1,212	1,212	1,212	1,700	2,475
Power factor	(%)	79.9	82.1	99	99	99.2	99.5

CONNECTION DIAGRAMS

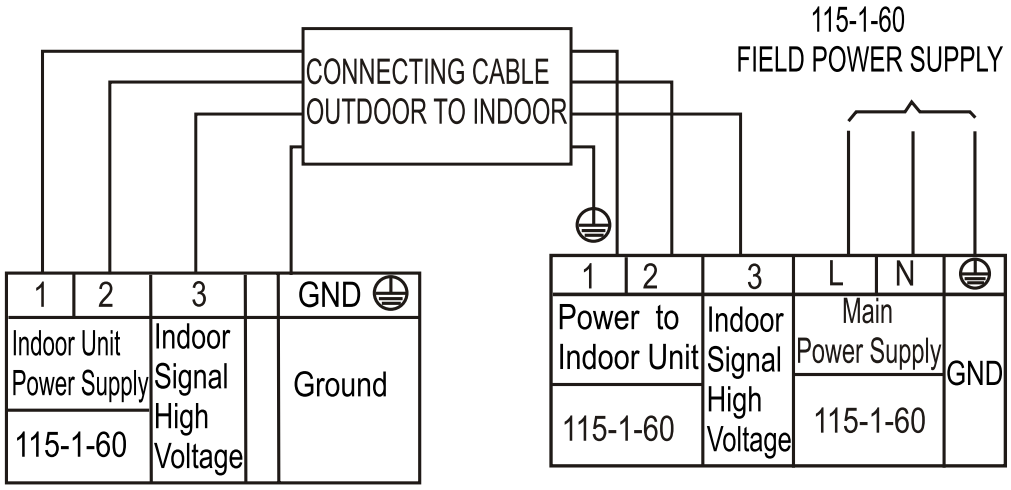


Fig. 19 — 115V

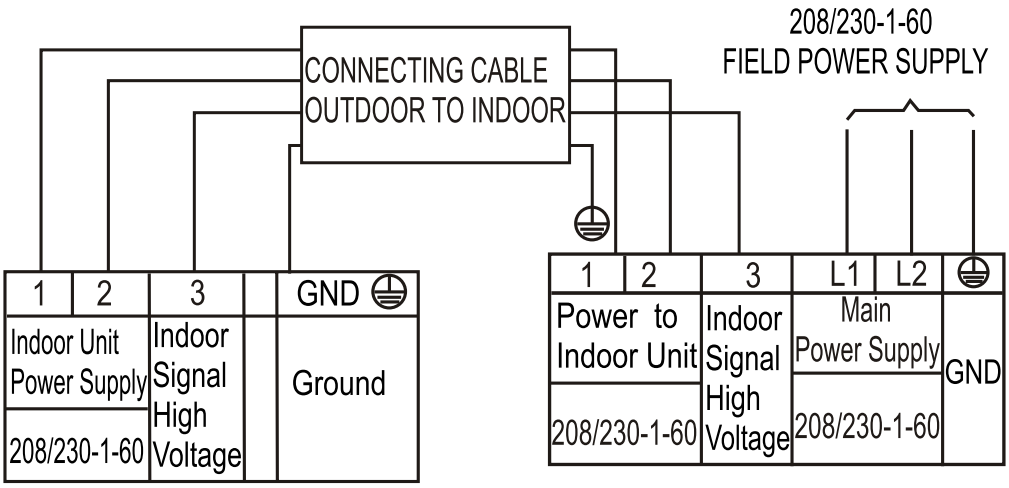


Fig. 20 — 208/230-1-60V

DUCTLESS START-UP CHECKLIST - Single Zone

Installation Data

Site Address:_____

City:_____ **State:**_____ **Zip Code:**_____

Installing Contractor:_____ **Contractor Contact #:** ( ) _____-_____

Job Name:_____ **Start-up Date:**_____

Distributor:_____

System Details

UNITS	MODEL NO.	SERIAL NO.	CONTROLLER
OUTDOOR UNIT			
INDOOR UNIT A			

Are the outdoor unit and indoor unit compatible? YES:_____ NO:_____

Wiring Electrical

Wire Size and Type Used? AWG:_____ TYPE:_____

Are there any breaks, splices, wire nuts or butt connectors between the outdoor unit and the indoor unit? YES:_____ NO:_____

Was the wiring from the outdoor unit port to the correct indoor unit verified? YES:_____ NO:_____

REMARKS:_____

_____

Voltage Check

Wiring: Single Zone

Outdoor Unit Disconnect	1(L1):GND		Outdoor Unit Terminal Block	1(L1):GND		**NOTES:**_____
	2(L2):GND			2(L2):GND		
	1(L1):L2(2)			1(L1):2(L2)		
Indoor Unit Voltage Check @ Outdoor Unit	1(L1):GND		Indoor Unit Voltage Check @ Indoor Unit	1(L1):GND		**NOTES:**_____
	2(L2):GND			2(L2):GND		
	1(L1):2(L2)			1(L1):2(L2)		
	2(L2):3(S)			2(L2):3(S)		

Outdoor Unit Disconnect	1(L1):GND		Outdoor Unit Terminal Block	1(L1):GND		**NOTES:**_____
	2(L2):GND			2(L2):GND		
	1(L1):L2(2)			1(L1):2(L2)		
Indoor Unit Voltage Check @ Outdoor Unit	1(L1):GND		Indoor Unit Voltage Check @ Indoor Unit	1(L1):GND		**NOTES:**_____
	2(L2):GND			2(L2):GND		
	1(L1):2(L2)			1(L1):2(L2)		
	2(L2):3(S)			2(L2):3(S)		

Ductless Start-Up Checklist (CONT)

Piping

Leak Check:
System held 500 psig (max. 550psi) for a minimum of 30 minutes using dry nitrogen. YES:_____ NO:_____

Evacuation Method:

- Was the Triple Evacuation Method used as outlined in the installation manual? YES:_____ NO:_____
- Was the Deep Vacuum Method used as outlined in the installation manual? YES:_____ NO:_____
- Did the System Hold 500 microns for 1 hour? YES:_____ NO:_____
- Does the line set match the diameter of the evaporator connections? YES:_____ NO:_____
- For Conventional Fan Coils, does the line set match the outdoor unit size? YES:_____ NO:_____

Single Zone Piping:
Has the liquid pipe length been measured and the additional charge calculated? Size:_____ Length:_____ Charge:_____

NOTES:

PORT	LIQUID SIZE		SUCTION SIZE		LENGTH	CHARGE	NOTES:_____
A							

Performance Check

For 1:1 Single Zone Systems: Adjust the set-point to create an operational call for the desired testing operation. Allow the system to run for a minimum of 10 min. and record the following details:

(Operational data recorded on applicable heads with the wireless remote controller's Point Check function)

UNIT	SET-POINT	MODE	T1	T2	T3	T4	Tb	Tp	Th	LA/Lr
A										

NOTE:

- T1 - Ambient Space Temperature Sensor
- T2 - IDU Coil Temperature Sensor
- T3 - Outdoor Coil Temperature Sensor
- T4 - Outdoor Ambient Temperature
- Tb - Suction Line Temperature @PMV
- Tp - Discharge Temperature Sensor
- Th - IPM Board Temperature
- LA/Lr - PMV Temperature

Error Codes

Were there any error codes present at start-up? YES:_____ NO:_____

		Notes:
Indoor Unit Error Code:		
Outdoor Unit Error Code:		
Wall Controller:		
24V Interface:		

Comments:

_____

_____

_____