GE APPLIANCE UUC112WC* Side Discharge Condensing Unit Instruction Manual

Contents

GE APPLIANCE UUC112WC* Side Discharge Condensing Unit

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE SYSTEM

WARNING

- For your safety, the information in this manual must be followed to minimize the risk of fire, electri shock, or personal injury.
- Use this equipment only for its intended purpose as described in this manual.
- This air conditioner must be properly installed i accordance with these instructions before it is used.
- All wiring should be rated for the amperage value listed on the rating plate. Use only copper wiring.
- All electrical work must be completed by a qualified electrician in accordance with local and national building codes.
- Any servicing must be performed by a qualified individual.
- For any service which requires entry into the refrigerant sealed system, Federal regulations require that the work be performed by a technician having a Class II or Universal certification.
- All air conditioners contain refrigerants, which under federal law must be removed prior to product disposal.
- If you are disposing of an old product with refrigerants, check with the company handling disposal.
- These R-410A systems require that contractors and technicians use tools, equipment, and safety standards approved for use with this refrigerant.
- DO NOT use equipment certified for R22 refrigerant only.

- RISK OF ELECTRIC SHOCK. Could cause injury or death.
- An adequate ground is essential before connecting the power supply.
- • Disconnect electric power supplies before servicing.
- Repair or replace immediately all electrical wiring that has become frayed or otherwise damaged.
- Do not use wiring that shows cracks or abrasion damage along its length or at either end.
- Do not store or use combustible materials, gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- Children should be supervised to ensure that they do not play with the unit.
- To avoid danger of suffocation, keep the plastic bag or thin film used as the packaging material away from young children.
- Be sure not to allow foreign materials to enter the refrigerant piping. Seal the ends of refrigerant piping before storage.
- For installation purposes, be sure to use the parts supplied by the manufacturer or other prescribed parts.
- The use of non-prescribed parts can cause serious accidents such as the unit falling, water leakage, electric shock, or fire.
- The rated power supply of 18K to 48K product are 208/230 VAC/60hz/1PH. Verify the voltage is within 187~253 range before turning the equipment on.
- The rated power supply of 12K product is 110 VAC/60hz/1PH. Verify the voltage is within 103~127 range before turning the equipment on.
- Supply power should be from a dedicated circuit that meets branch circuit ampacity requirements.
- Use a special branch circuit breaker and receptacle matched to the power circuit capacity of the air conditioner.
- Install in accordance with national, state, and local codes.

CAUTION

- It is highly recommended that you do not open or close the stop valves when the outdoor temperature is below -5°F (-21°C), as this may cause refrigerant leakage.
- Do not touch the fins of the coil. Touching the coil fins could result in damage to the fins or personal injury. Ensure the power circuit capacity is adequate for all loads connected to the electrical service panel.
- Increase the conductor and panel capacity if the total electrical loads exceed the power source capacity.
- Contact the power utility if the power provided is below equipment rating plate requirements.
- Be sure to install a circuit breaker of the specified capacity.
- Refer to local requirements regarding type and kind of circuit breaker, power wiring, and control cable.
- Regulation of cables and breakers differs from each locality.
- Be aware of these regulations prior to installation.
- Do not use existing refrigerant lines.
- Use refrigerant tubing that is clean and free of any contamination which may cause damage to the system, including sulfur, copper oxide, dust, metal chips, powder, oil or water.
- Avoid coupling lines whenever possible. Use a continuous length of copper tubing, as oxides formed during improper brazing techniques can damage the equipment.
- Do not use copper pipes that have a collapsed, deformed, or discolored portion (especially on the interior

surface). Otherwise, the expansion valve or capillary tube may become blocked with contaminants.

- Improper line sizing will degrade performance.
- Peak pressure of R410A is much higher than R22. Use ACR copper tubing with adequate wall thickness.
- Use a tubing bender to change the piping direction. Make sure the radius of the bend is no less than 4”.
- If the pipe is bent repeatedly at the same place, it will break.

READ AND SAVE THESE INSTRUCTIONS BEFORE YOU BEGIN CAUTION

IMPORTANT

- Save these instructions for local inspector’s use.
- Observe all governing codes and ordinances. Use for future reference.
- Note to Installer Be sure to leave these instructions with the equipment owner.
- Note to Equipment Owner –Keep these instructions for future reference.
- Skill level – A licensed certified technician (to handle refrigerant R-410A, recovery, etc.) and a qualified electrician are required for the installation and service of this equipment.
- Use team lift for installation of this product
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the limited warranty.
- For personal safety, this system must be properly grounded.
- Protective devices (fuses or circuit breakers) acceptable for installation are specified on the nameplate of each unit.
- Piping or wiring within walls must be protected per local code.
- Aluminum electrical wiring may present special problems – consult a qualified electrician.
- When the unit is in the STOP position, there is still voltage to the electrical controls.

INSTALLATION INSTRUCTIONS

General Product Information

Unpacking and Inspection:
This equipment is shipped completely assembled and packaged. All goods are inspected at the factory and released to the freight company in good condition. When received at the site, a visual inspection should be made immediately. Any evidence of rough handling or damage should be photographed and noted on the delivery receipt in the presence of the carrier. Claims for damage are to be filed with the freight company.
Indoor Fan Time Delay
For a maximum cooling effect, the furnace or air handler should be equipped with a time delay. Many popular electronic thermostats have programmable fan delays, newer furnaces and air handlers include them, and universal delay kits are readily available on the market.

- Model 12K 18K 24K 30K 36K 48K
- Delay 115s 90s 90s 90s 100s 65s

Thermostat

Accurate temperature control and unit operation depend on proper thermostat selection and location. Refer to the thermostat manufacturer’s installation instructions for specific recommendations. Avoid locating on outside walls,

in direct sunlight, in the air path of a supply register, and in high traffic areas. Thermostats should be centrally located, close to a return air grille.

System Protection

A field-supplied liquid line filter-drier must be installed to remove particulates or moisture that may collect in the system during fieldwork. Installations without a filter-drier may void the warranty.

Indoor Unit

This product is compatible with most major brands of domestic evaporator coils and air handlers equipped with a thermostatic expansion valve. Consult AHRI's directory of products for certified indoor unit matches.

Unit Location and Mounting

Avoid areas where water, snow, ice, leaves, or other seasonal debris may fall on or accumulate against the unit. Do not place the unit in a location where the minimum clearances cannot be maintained.
For multiple unit installations, the clearance distances shown below must be maintained.

Required Tools for Installation

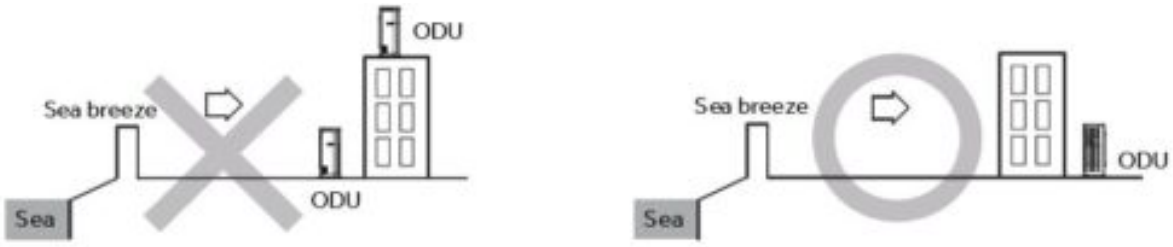
- Drill
- 2 1/4" hole saw
- Vacuum pump and oil
- Leak solution or tester
- Tubing cutter
- Pipe reamer
- Razor knife
- Measuring tape
- Level
- Micron gauge
- Dry nitrogen and regulator
- Mini-Split AD-87 Adapter (1/4" to 5/16")
- Customary HVAC hand tools
- Core removal tool with micron gauge port
- Power and control wiring
- Drain hose (Included)
- Refrigerant scale
- Interior and exterior wall sealant
- 18 Gauge Thermostat Wire
- Brazing materials

Model		12K	18K	24K	30K	36K	48K
Power (outdoor)	PHASE	1PHASE	1PHASE	1PHASE	1PHASE	1PHASE	1PHASE
	Volt	115 V	208/230V	208/230V	208/230V	208/230V	208/230V
CIRCUIT BREAKER/FUSE (A)		15	15	15	20	25	40
MINIMUM CIRCUIT AMPACITY (A)		11	10	12	15	16	26

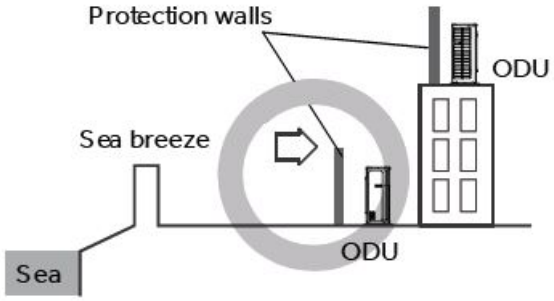
- The outdoor unit should be installed at least ½ mile away from the salt water, including seacoasts and inland

waterways.

- If the unit installed from ½ mile to 5 miles away from the salt water, including seacoasts and inland waterways, please follow the installation instruction below.
- Install the outdoor unit in a place (such as near buildings etc.) where it can be protected from sea breeze which can damage the outdoor unit.



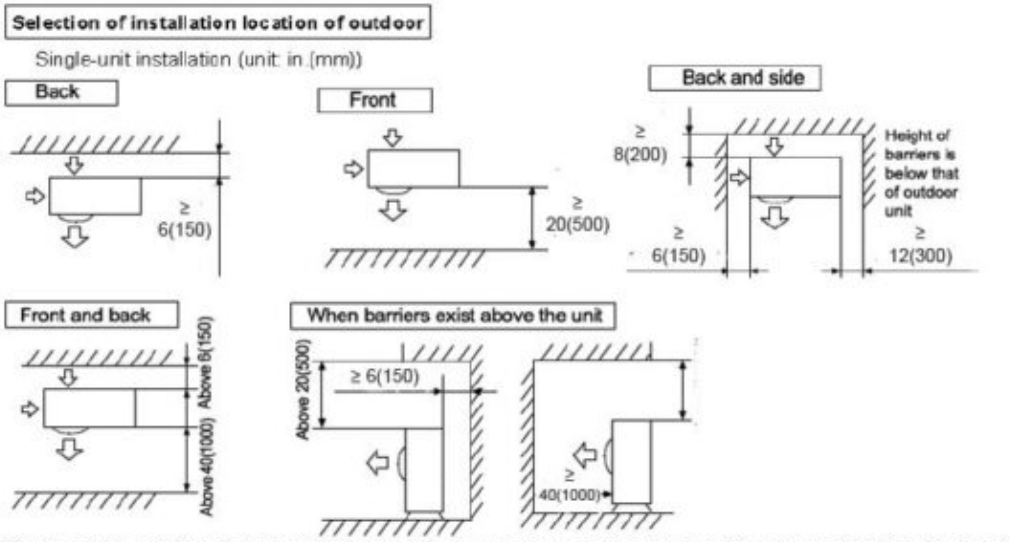
If you cannot avoid installing the outdoor unit by the seashore, construct a protection wall around it to block the sea breeze.



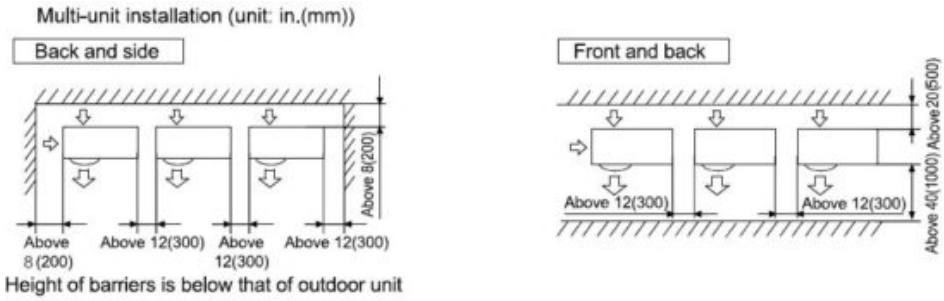
- Protection walls A protection wall should be constructed with a solid material to block the sea ODU breeze.
- The height and the width of the wall should be 1.5 times larger than the Sea breeze size of the outdoor unit. Also, allow at least 28“ (700mm) between the protection wall and the outdoor unit for air circulation to ventilate.
- Install the outdoor unit in a place where water can drain freely.
- If the above conditions cannot be met, contact GE Appliances for assistance.

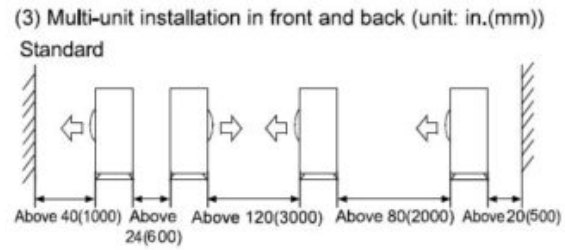
Clearances

1. Minimum clearance around the unit for installation, serivce, maintenance, and proper operation must be maintained.
2. Anchoring the unit with 3/8 inch (10mm) diameter bolts and nuts is recommended in seaside locations, high wind areas, rooftops, or in regions prone to earthquakes.



The top and two side surfaces must be exposed to open space, and barriers on at least one side of the front and back shall be lower than the outdoor unit.

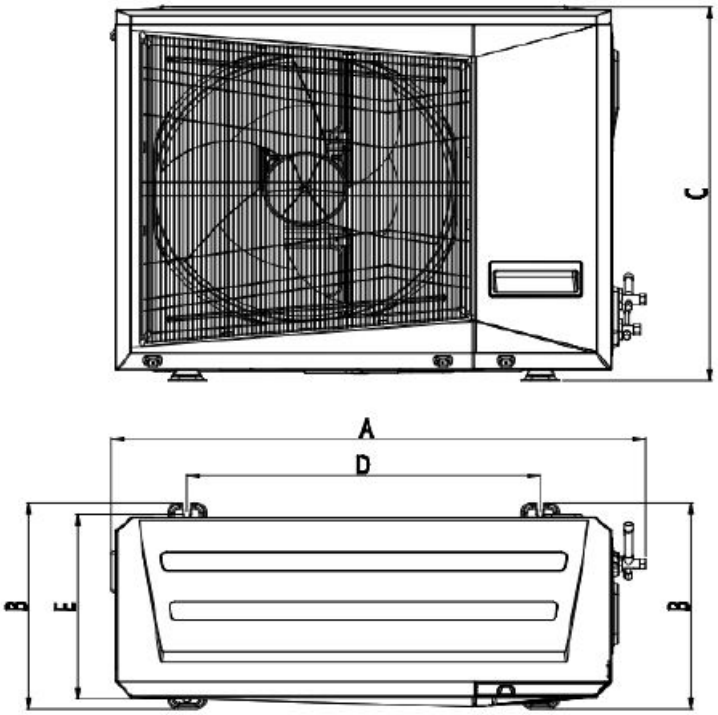




Select the Outdoor location

- Choose a level place solid enough to bear the weight and vibration of the OD unit and where the operation noise will not be amplified.
- Choose a location where the hot air discharge and/or noise will not create a nuisance for neighbors.
- Ensure there is sufficient space to maneuver the OD unit into place.
- Ensure there is sufficient space and no obstructions for the air inlet and outlet.
- Install the unit’s power control wiring at least 10 feet away from television and radio sets to prevent interference.
- Ensure any moisture-sensitive items are kept away from the condensate drain path of the OD unit.
- Choose a location not affected by heavy snowfall or wind.
- To prevent wind exposure, install a wind baffle.

Dimensions



Model	A	B	C	D	E
12K	33.5	13.6	21.9	20.0	11.0
18K	36.0	15.0	27.6	21.4	12.8
24K/30K/36K	40.0	17.5	31.9	26.4	15.2
48K	43.3	20.8	34.3	25.0	17.4

Unit Wiring

Electrical Wiring and Supply Voltage

All wiring must comply with national, state, and local codes. Nameplate data indicates the operating voltage, phase, ampacity, maximum over current protection, and minimum voltage. Install a field-supplied individual branch circuit with current protection for the unit as required by code. Run power supply wiring through a weatherproof disconnect box in conduit to the unit connections. Disconnects are required to be within sight and easy reach of the unit (usually within 3 feet).

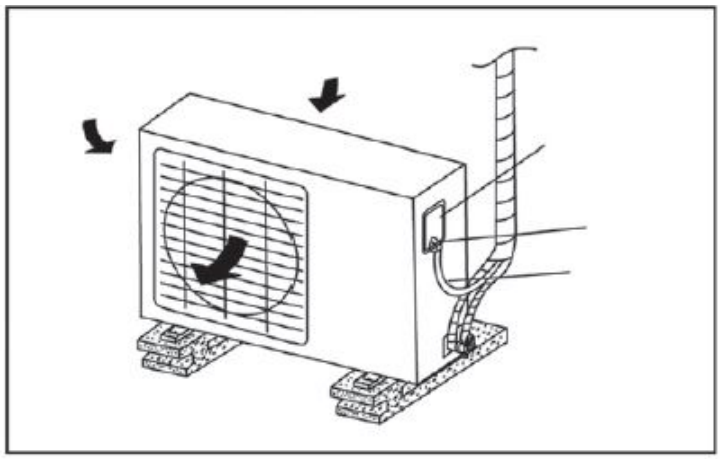
Always refer to the unit wiring diagram for the number of conductors required. Route neatly and protect from sharp edges and damage.Inadequate wiring and improper power supply will likely result in component failure and will void the warranty.

NOTE: The supply voltage must be consistent with the rated voltage, not to exceed +/- 10%. Ensure the unit is properly grounded.

Wiring Connections

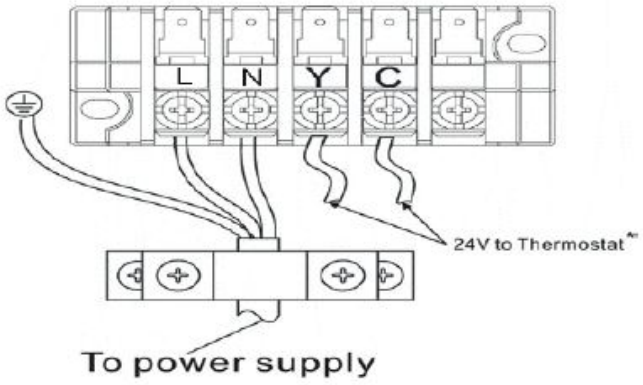
1. Remove the electrical control cover from the outdoor unit.
2. Connect the cables to the identified terminals on the terminal block. 18 gauge thermostat wire is recommended; however, national and local codes prevail.
3. Form a loop in the cable to prevent water from entering the outdoor unit.
4. Insulate any unused conductors with electrical tape so that they do not touch exposed electrical or metal parts.
5. Incorrect wiring connections may cause electrical parts to malfunction.

6. All wiring must conform to national, state, and local code, and must be installed by licensed electricians.

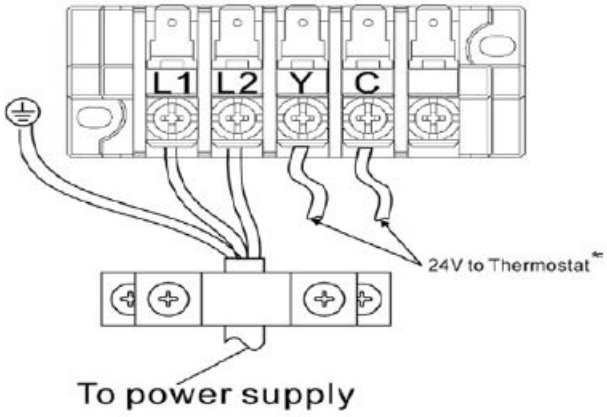


Outdoor Unit Wiring

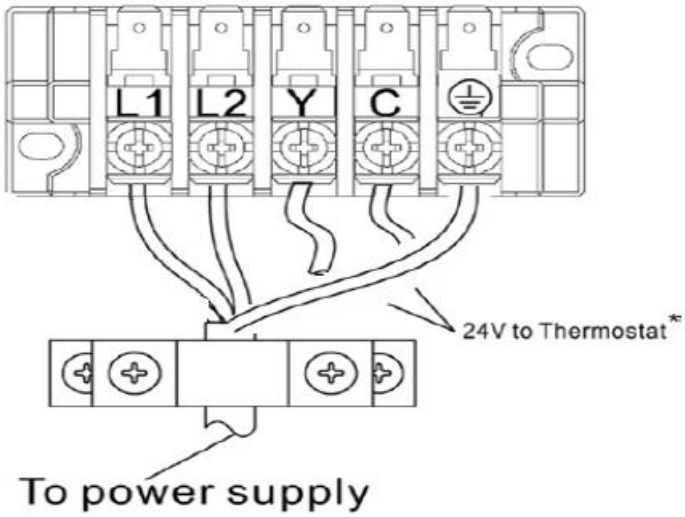
Terminal block of outdoor unit: 12K



Terminal block of outdoor unit: 18K-30K

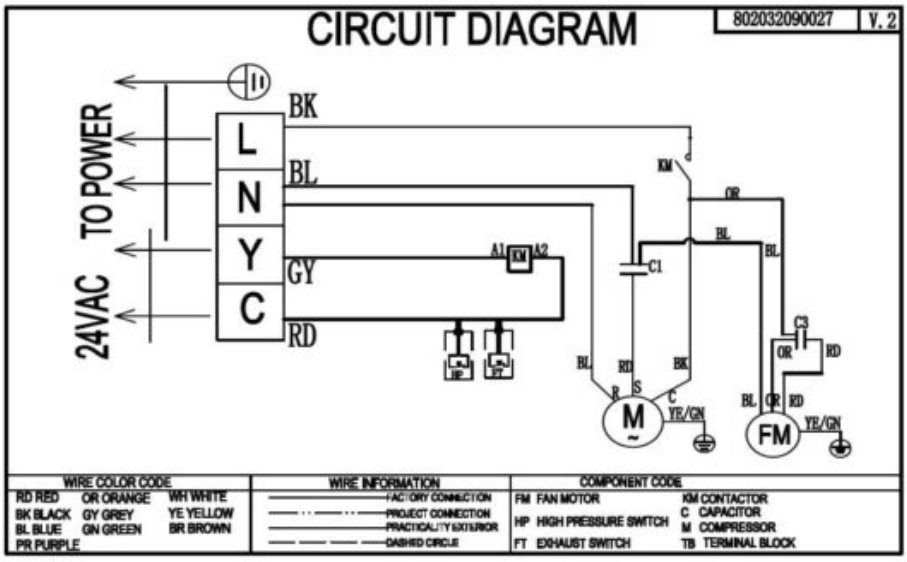


Terminal block of outdoor unit: 36K and 48K

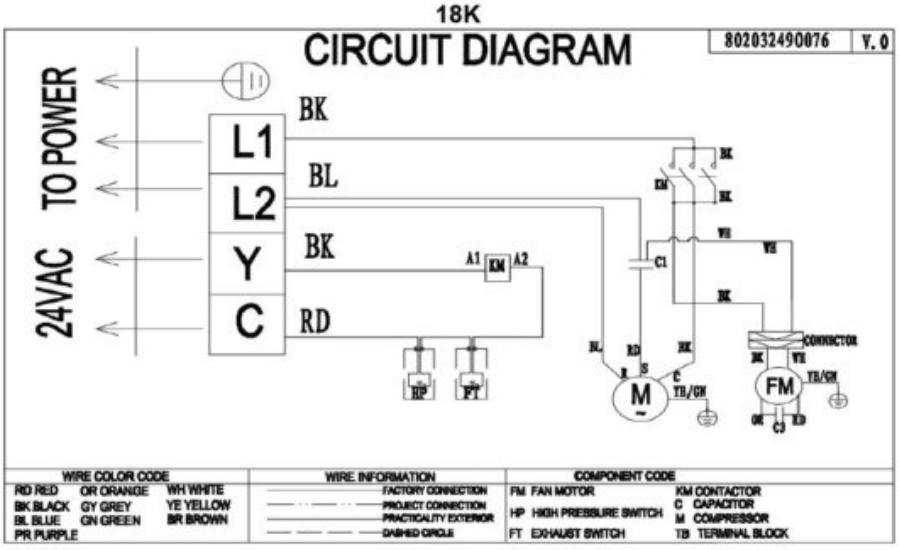


NOTE: For additional wiring instructions, see the installation manual for the 24V thermostat used in conjunction with this unit.For reference only. Refer to the unit wiring diagram.

12K

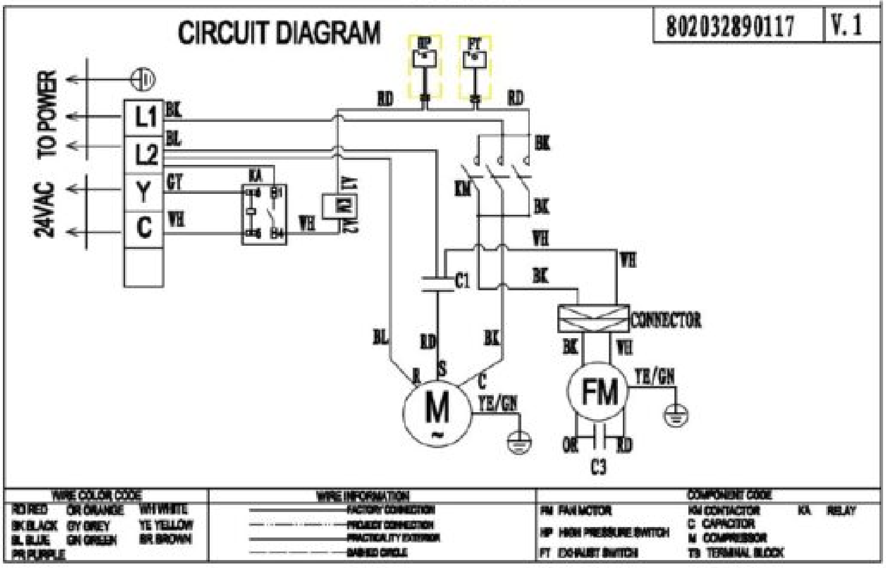


18K



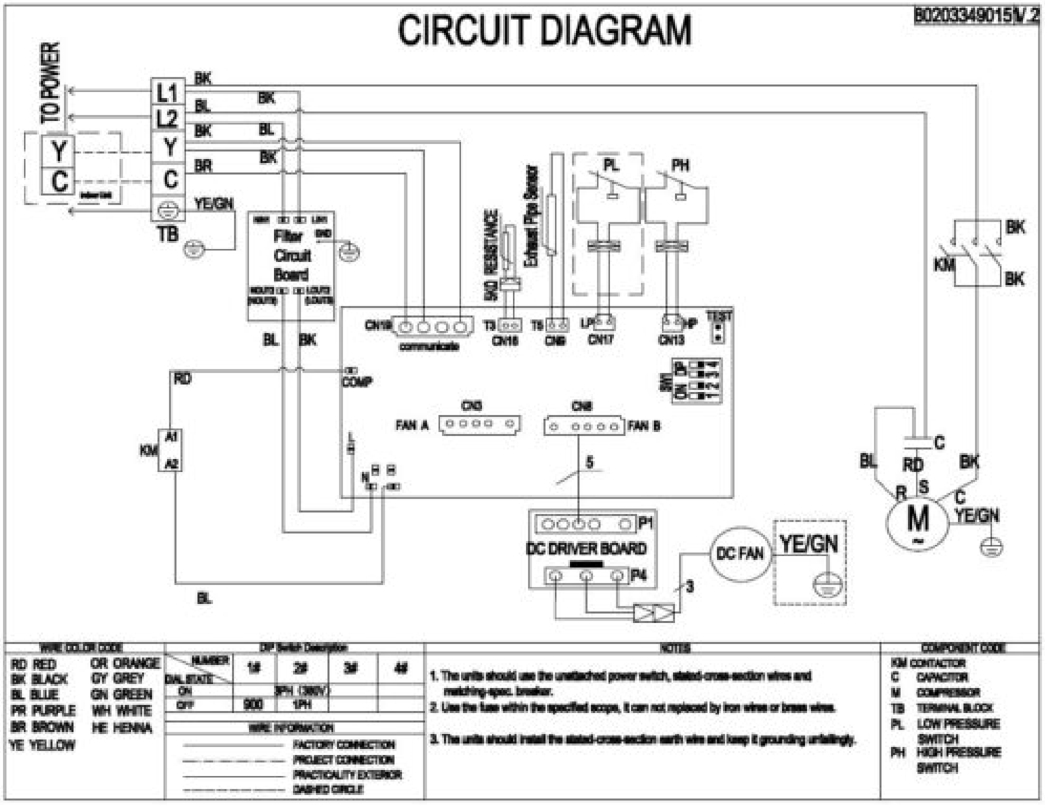
NOTE:For reference only, the actual wiring diagram shall prevail

24K & 30K

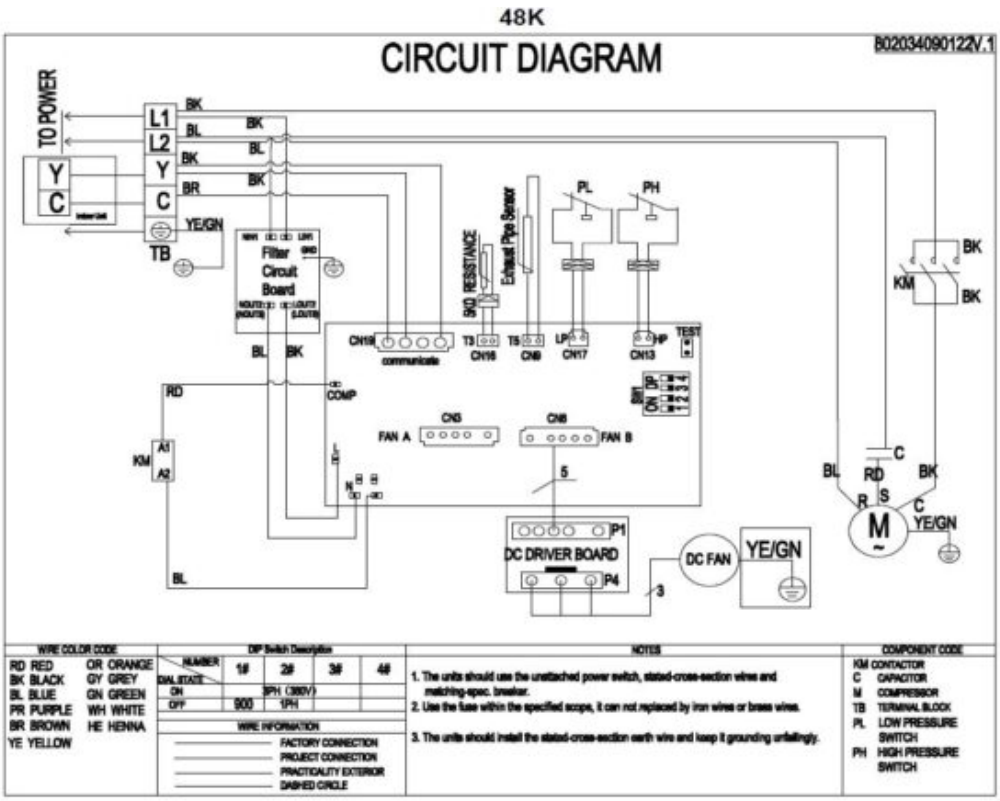


CIRCUIT DIAGRAM
802032890117
V.1
TO POWER
24VAC
L1
L2
Y
C
BK
BL
GY
WH
RD
KA
KM
C1
CONNECTOR
M
FM
YE/GN
OR
C3
WIRE COLOR CODE
WIRE INFORMATION
COMPONENT CODE

36K



CIRCUIT DIAGRAM
TO POWER
L1
L2
Y
C
YE/GN
TB
BK
BL
BR
RD
Filter Circuit Board
communicate
PL
PH
KM
COMP
FAN A
FAN B
DC DRIVER BOARD
DC FAN
M
WIRE COLOR CODE
WIRE INFORMATION
NOTES
COMPONENT CODE



Refrigerant Piping

- The length of refrigerant lines, and the number of bends, determine the pressure drop which affects capacity, efficiency, and oil return to the compressor.
- The outdoor unit connections are brazed type. Tube size should always be the same diameter as the connections provided at the service valves.
- Installing tubing sizes other than those shown can result in inadequate oil return to the compressor and excessive refrigerant charge and will void the warranty.

Refrigerant Piping	Model Number					
	12k	18k	24k	30k	36k	48k
Liquid O.D. (inch)	1/4″	1/4″	3/8″	3/8″	3/8″	3/8″
Suction O.D. in (Std)	1/2″	1/2″	5/8″	3/4″	3/4″	3/4″
Suction O.D. in (Opt)	3/8″	5/8″	3/4″	5/8″	5/8″	7/8″
Max.Refrigerant Line Length (inch)	82					98
Max.Elevation Vertical Lift (inch)	33					49

The pipe length must not be less than 10 feet.
Oil traps are required every 15 ft. when the outdoor unit is installed above the indoor unit.
Choose a location that places this unit as close to the indoor unit as possible. Use only clean refrigeration-grade tubing. Always keep the tube ends capped until you are ready to make the final connections. Remove burrs from cut ends of the tubing. Use tube benders to avoid kinking.
Insulate the suction line with a wall thickness of at least 3/8”. Support the tubing adequately to avoid sags that can trap oil. Isolate the tubing so as not to transmit noise to the building structure. Avoid sharp edges that could cut the insulation or piping.

WARNING

It is illegal to discharge refrigerant into the atmosphere. Use proper recovery methods and equipment when working on parts of the unit containing refrigerant. Service should be performed by a qualified service agency and certified technician.Using the appropriate fittings if needed, attach the line set to the service valve stubs.Apply heat paste to stub next to the valve and wrap the valve body with a wet cloth.At the outdoor service valves, remove the valve cores. Introduce a purging flow of dry nitrogen through the first tube, allowing it to flow out of the flared connection stub.Braze connections with a brazing alloy. 15% braze rod is recommended.Repeat the above process for the second tube.

Pairing with A-coils
Manufacture recommend installing AHRI listed matched indoor and outdoor system. Installing approved matched indoor and outdoor system will provide optimum efficiency and best overall system reliability. AHRI certification for approved matched system can be verified in the AHRI site, Residential AC and AC coil section. **https://www.ahridirectory.org/Search/SearchHome** Under the warranty, damage caused by a used or unapproved component is not covered by the Standard Base Warranty. When installing the Side-discharge Outdoor Unit with non-AHRI listed 3rd party indoor equipment, manufacture will presume that any damage to the outdoor unit was not caused by the indoor equipment if the following installation guidance is followed.When installers pair 14 SEER Side-discharge outdoor with a pre-existing “A coil + gas furnace indoor” system

1. Ensure to change the indoor coil to a new R410a, TXV, tonnage to tonnage matched A-coil
2. Ensure to install a bi-flow Filter Drier (Field supplied) in liquid line
3. Ensure the lineset size matches 14 SEER Side-discharge outdoor as stated in the outdoor unit installation manual (If existing lineset size is different new lineset must be installed).
4. Ensure proper airflow
5. Ensure existing linesets are cleaned by flushing if re-used.

When installers pair 14 SEER Side-discharge outdoor with a new 3rd party AHU

1. Ensure the 3rd party AHU is a R410a, TXV, tonnage to tonnage matched AHU
2. Ensure to install a bi-flow Filter Dryer (Field supplied) in liquid line
3. Ensure the lineset size matches 14 SEER Side-discharge outdoor as stated in the outdoor unit installation manual (If existing lineset size is different new lineset must be installed)
4. Ensure proper airflow
5. Ensure existing linesets are cleaned by flushing if re-used.

When installers pair 14 SEER Side-discharge outdoor with a pre-existing AHU

1. Ensure the 3rd party AHU is a R410a, TXV, tonnage to tonnage matched AHU
2. Ensure to install a bi-flow Filter Dryer (Field supplied) in liquid line
3. Ensure the lineset size matches 14 SEER Side-discharge outdoor as stated in the outdoor unit installation manual (If existing lineset size is different new lineset must be installed).
4. Ensure proper airflow
5. Ensure existing linesets are cleaned by flushing if re-used.
6. Ensure to install a bi-flow Filter Dryer (Field supplied) in gas line
7. Ensure to triple evacuation the pre-existing coil

If installation guidelines and procedures are followed for each type of application above, the outdoor unit will

qualify for a Limited Standard Base Warranty (i.e., 5-year parts and compressor), subject to the other limitations in the standard warranty document.

Model Number		UUC112WCDA	UUC118WCDA	UUC118WCDBA	UUC124WCDA	UUC124WCDBA	UUC130WCDA	UUC130WCDBA	UUC136WCDA	UUC136WCDBA	UUC148WCDA
Factory Charge	Oz	49.4	75.84	81.20	97.00	100.60	116.40	119.90	123.50	127.00	141.10
Liquid O.D. (Std)	Inch	1/4″	1/4″	1/4″	3/8″	3/8″	3/8″	3/8″	3/8″	3/8″	3/8″
Suction O.D.(Std)	Inch	1/2″	1/2″	1/2″	5/8″	5/8″	5/8″	3/4″	3/4″	3/4″	3/4″
Max. Refrigerant Line between Indoor and Outdoor	Ft	66	66	66	66	66	66	66	66	66	66
Max. Refrigerant Line elevation between Indoor and Outdoor	Ft	33	33	33	33	33	33	33	33	33	33
Additional charge Additional charge if refrigerant line exceeding 25 ft	oz/FT	0.16	0.16	0.16	0.32	0.32	0.32	0.32	0.32	0.32	0.32

Memo: Colored columns are paired with ADP A-coils

Note: Factory charge for UUC124WCDBA is 100.6 oz and UUC130WCDBA is 119.9 oz.

Leak Testing Evacuation, and Charging
The condensing unit is supplied with an R-410A charge sufficient for most matching evaporator units. Charge must be added for interconnecting tubing.
R=T X (L-25)ft

- R (oz): Additional refrigerant to be charged
- L (ft): The length of the liquid pipe
- T (oz): The quantity of the charged refrigerant per additional foot

Model	12K	18K	24K	30K	36K	48K
oz/ft	0.16		0.32			

The service valves are shipped in the closed position and should not be opened until final connections, evacuation, and additional charging are completed.
The recommended procedure for leak test, evacuation, and charging is outlined below:

1. Complete the final piping connections to the indoor and outdoor units.
2. Remove the service core from both lines, and connect a charging manifold to the service ports on the service valves.
3. Pressurize the lines and evaporator with 500 PSI of dry nitrogen. Leak check all connections with either an electronic detector or specialized liquids.
4. Maintain pressure for at least 30 minutes.
5. Release the nitrogen and connect a vacuum pump to the manifold center connection. Start the pump and open the manifold valves.
6. Evacuate to 350 microns or less. Close the manifold valves and shut off the pump.
7. If the vacuum level does not rise more than 150 microns in one minute, the evacuation is considered complete. Otherwise, the system is indicating either a leak or there is still moisture present.
8. If a leak is found, repair as necessary and repeat steps 3, 4, and 5. If there are no leaks, continue with Step 5 until at least 350 microns is attained.
9. Close the manifold valves and disconnect the vacuum pump. Reinstall the valve cores and add refrigerant in the amount shown in the charging section of this manual.
10. Remove the caps from the services valves. Open the valves to the fully ‘back-seated’ position. Replace service valve caps and tighten securely.

Start-up

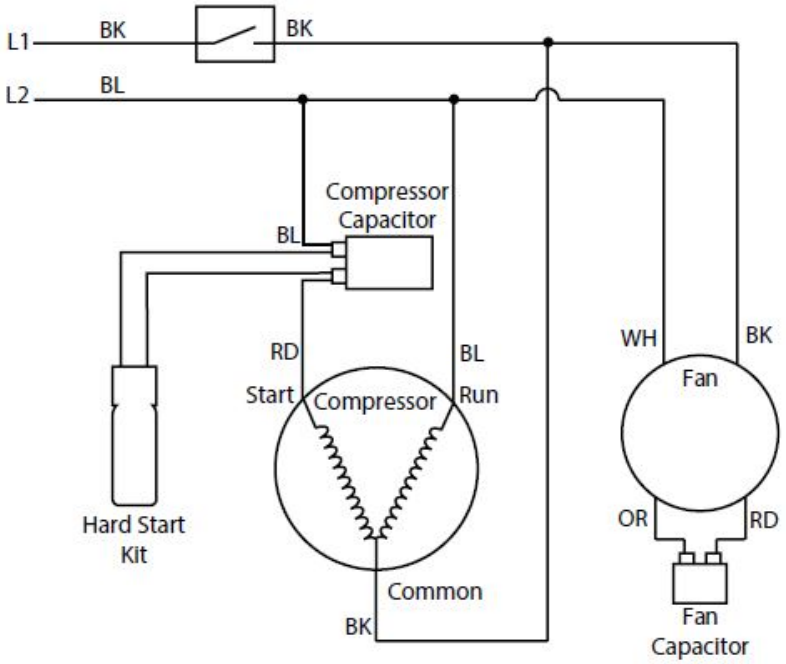
The operation of the unit is automatic and will provide cooling depending on the setting of the thermostat.

IMPORTANT

- All panels must be installed, the main power turned on, and the termostat properly connected before operating the unit.
- Set thermostat system switch to “Off” position and fan switch to “Auto” position, Turn the power supply breaker on.
- Set the fan switch to “On” and make sure the blower operates.
- Return the fan switch to “Auto” and wait until the blower stops. Set the system switch to “Cool” and lower the thermostat set point to the coldest setting.
- The compressor, condenser fan, and evaporator blower will start. Cool air will be supplied after several minutes of run time.
- Proceed to the “Fine Tuning” section of these instructions.

Hard Start Kits for 14-SEER Side Discharge ODU
When inconsistent compressor starts are found, it is an approved fix to add a locally sourced “Hard Start” kit. A kit must include a capacitor and a relay. Replacing the OEM capacitor with one that has a higher micro-fared rating IS NOT an authorized repair and will void the warranty of the product.Selecting the Correct Kit Hard start kits are sized by compressor horsepower (HP). Use the chart below

Installing Kit
The hard start kit must be installed in parallel with the compressor capacitor. To do this, connect the leads from the kit to either side of the compressor capacitor. The kit must also be secured to the chassis of the unit, and if required, grounded.



Fine Tuning

1. Allow the system to operate for at least 20 minutes before checking refrigerant temperature and pressure.
2. Perform an air flow calculation to ensure the blower is delivering the correct volume of air at the pressure intended for the distribution system.
3. When the above are completed, verify that the operating temperature and pressure comply with the chart.

NOTE: “IDT” = Indoor Temperature “ODT” = Outdoor Temperature

1. Remove refrigerant if the pressure is above the chart value.
2. Add refrigerant if the pressure is below the chart value.
3. Perform an inspection of the entire installation and finalize any items needed for completion.
4. Review the system operation, thermostat functions, and warranty policy with the owner.
5. Leave this manual at the jobsite for future reference.

Operating Instructions

This system is designed to provide comfort cooling at outside temperatures between 50°F (10°C) and 115°F(46°C). Operation outside of this temperature range may cause unit failure and will void the warranty.

To Operate:

NOTE

Thermostat operation may vary by type and model used. Please consult the operating manual provided with the thermostat.

1. The instructions below are generalized for most models.
2. Move the switch on the thermostat to the Cool position.
3. Set the desired temperature (between 63-86°F or 17-30°C) on the thermostat.
4. If the room is warmer than the setting, the unit will turn on and begin to blow cool air after a few minutes.
5. A hot, humid room or building may take several hours of continuous operation to reach the thermostat setting when starting for the first time or at the beginning of the cooling season.
6. Set the Fan switch on the thermostat to Auto if you want the fan to run only when cooling is needed, or to On if you want continuous air circulation.
7. If the space will be unoccupied for four or more hours, moving the setting to a higher temperature may save energy. Do not raise the temperature setting by more than 5 degrees.
8. Changing the temperature over 5 degrees, or turning the unit off can actually cost more.
9. Be sure that furniture or other objects do not block supply air registers or return air grilles.

IMPORTANT

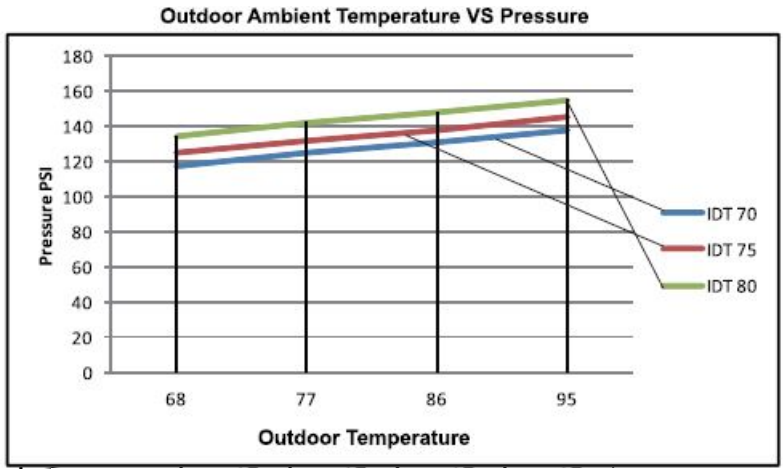
1. If the system is turned off, wait at least 3 minutes before restarting it.
2. This gives the unit time to stabilize. Failure to do so could cause compressor damage.

Maintenance

1. Change or clean the air filter monthly, or more often if conditions require it. Thoroughly dry a washable filter before re-installing.
2. Contact the installer for factory-recommended annual maintenance.

Final Check

System Test
Please explain to the customer how to operate the system by using the Owner's Manual found with the indoor unit.



IDT \ ODT	68°F	77°F	86°F	95°F	
70°F	117.7	125.0	130.8	138.0	PSI
75°F	124.7	132.0	137.8	145.0	
80°F	134.7	142.0	147.8	155.0	

Explaining Operation To the End User

- Using the User Manual, explain to the user how to use the air conditioner (thermostat, adding/removing the air filters, cleaning methods, precautions for operation, etc.)
- Review precautions for operation.
- Recommend that the user read the Operating Instructions carefully.

Check Items for Test Run

1. No gas leak from linesets?
2. Are the linesets insulated properly?
3. Are the connecting wirings of indoor and outdoor firmly inserted to the terminal block?
4. Is the connecting wiring of indoor and outdoor fixed? Is condensate draining correctly?
5. Is the ground wire securely connected? Is the indoor unit securely fixed?
6. Is power source voltage correct according to local code? Is there any odd noise?
7. Does the cooling temperature drop between 20-30°F? Is the room temperature display accurate?

LIMITED WARRANTY

For the product models listed on Attachment 1 (the “Product”), this Standard Limited Warranty is provided to the Original Owner of the Product:

For The Period Of:	GE Appliances Will Replace:
5 year limited parts wa rranty From the date of the or iginal purchase	This limited warranty cover all defects in workmanship or material for the mechanical a nd electrical parts contained in the Product (“Defective Parts”) for a period of 5 years fr om the Date of Purchase. GE Appliances will provide new or refurbished parts, or a re placement for all or part of the unit, at its sole discretion, to your licensed HVAC techni cian installer. This warranty also covers all defects in workmanship or material for the unit controller for a period of 1 year. The system is covered by standard warranty.
7 year compressor war ranty from the date of t he original purchase	The compressor contained in this product is warrantied for a period of 7 years from the Date of Purchase. GE Appliances will provide a new or refurbished compressor, or a r eplacement for all or part of the unit, at its sole discretion, to your licensed HVAC technician installer.

WHAT IS THE DATE OF PURCHASE

The “Date of Purchase” is the date that the original installation is complete and all product start-up procedures have been properly completed and verified by the installer’s invoice. If the installation date cannot be verified, then the Date of Purchase will be sixty (60) days after the manufacture date, as determined by the Product’s serial number. You should keep and be able to provide your original sales receipt from the installer as proof of the Date of Purchase. In new construction, the Date of Purchase will be the date the owner purchased the residence from the builder.

WHO IS COVERED

Owner-occupied

The “Original Owner” of this product, which means the original owner (and his or her spouse) of the residence

where the Product was originally installed. Subject to the law of the state or province where the Product is installed, this warranty is not transferable to subsequent owners or if the product is moved to a different residence after the initial installation. Non-owner occupied: This limited warranty is provided for products 1) installed in a) single-family or multi-family non-owner occupied residential buildings or b) non-industrial commercial applications, (such as office buildings, retail establishments, hotels/motels) where the product is not subjected to an atmosphere with corrosives or high levels of particulates (such as soot, aerosols, fumes, grease), and 2) if the product is maintained annually by a licensed HVAC technician (proof of annual maintenance is required). The “Original Owner” of the product, means the original owner of the building where the product was originally installed. For new construction, the purchaser of the building from the builder will also be considered an original owner. This warranty is not transferable to subsequent owners or if the product is moved to a different location after the initial installation.

HOW CAN YOU GET SERVICE

Contact your licensed HVAC technician installer. All installation and service must be performed by a licensed HVAC technician. Failure to use a licensed HVAC technician for the installation of this Product voids all warranty on this Product..

THIS WARRANTY DOES NOT COVER

- Damage from improper installation.
- Damage in shipping.
- Defects other than from manufacturing (i.e., workmanship or materials).
- Damage from misuse, abuse, accident, alteration, lack of proper care and/or regular maintenance, or incorrect electrical voltage or current.
- Damage resulting from floods, fires, wind, lightning, accidents or similar conditions.
- Damage from installation or other services performed by other than a licensed HVAC technician.
- Labor and related services for repair or installation of the Product.
- A Product purchased from an online retailer.
- Damage as a result of subjecting Product to an atmosphere with corrosives or high levels of particulates (such as soot, aerosols, fumes, grease).
- A Product sold and/or installed outside of the 50 United States, the District of Columbia, or Canada.
- Batteries for the controller and other accessories provided with the Product for installation (e.g., plastic hose).
- Normal maintenance, such as cleaning of coils, cleaning filters, and lubrication.
- For Product installed in non-owner occupied applications, Product that has not been maintained annually by a licensed HVAC technician (proof required).
- Damage caused by a used or unapproved component or part by GE Appliances, a Haier company (e.g., a used and/or unapproved condenser / air handler).
- Component or parts are not provided by GE Appliances, a Haier Company

10 YEAR STANDARD REGISTERED LIMITED WARRANTY

All “Indoor and Outdoor Products,” identified in Attachment 1, registered by the installer or the Original Owner within 60 days of the Date of Purchase shall receive a Standard Registered Limited Warranty, which shall be identical to the Standard Base Warranty, except that the Limited Parts Warranty shall be for a term of 10 Years and the Limited Compressor Warranty shall be for a term of 10 years. All Product not registered within 60 days of the Date of Purchase shall be subject to the Standard Base Warranty. Some states and provinces do not allow warranty terms to be subject to registration; in those states and provinces the longer terms for Limited Parts Warranty and the Limited Compressor Warranty apply.

THIS LIMITED WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy provided in this warranty is exclusive and is granted in lieu of all other remedies. This warranty does not cover incidental or consequential damages. Some states and provinces do not allow the exclusion of incidental or consequential damages, so this limitation may not apply to you. Some states and provinces do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary by state and province. This warranty covers units within the 50 United States, the District of Columbia and Canada. This warranty it provided by GE Appliances a Haier company, Louisville, KY 40225.

ATTACHMENT 1

The product is defined as product sold by GE Appliances, a Haier Company. The product containers 2 sub-categories of goods, indoor and outdoor products, which are defined as AUH**, AHY**, UUH**, UUY***, UUC**, UUH*

LIMITED STANDARD BASED WARRANTY

For the product models listed on Attachment 2 (the “Product”), this Standard Limited Warranty is provided to the Original Owner of the Product:

For The Period Of:	**GE Appliances Will Replace:**
5 year limited parts warranty From the date of the original purchase	This limited warranty cover all defects in workmanship or material for the mechanical and electrical parts contained in the Product (“Defective Parts”) for a period of 5 years from the Date of Purchase. GE Appliances will provide new or refurbished parts, or a replacement for all or part of the unit, at its sole discretion, to your licensed HVAC technician installer. This warranty also covers all defects in workmanship or material for the unit controller for a period of 1 year. The system is covered by standard warranty.
5 year compressor warranty from the date of the original purchase	The compressor contained in this product is warrantied for a period of 5 years from the Date of Purchase. GE Appliances will provide a new or refurbished compressor, or a replacement for all or part of the unit, at its sole discretion, to your licensed HVAC technician installer.

WHAT IS THE DATE OF PURCHASE

The “Date of Purchase” is the date that the original installation is complete and all product start-up procedures have been properly completed and verified by the installer’s invoice. If the installation date cannot be verified, then the Date of Purchase will be sixty (60) days after the manufacture date, as determined by the Product’s serial number. You should keep and be able to provide your original sales receipt from the installer as proof of the Date of Purchase. In new construction, the Date of Purchase will be the date the owner purchased the residence from the builder.

WHO IS COVERED

Owner-occupied:

The “Original Owner” of this product, means the original owner (and his or her spouse) of the residence where the Product was originally installed. Subject to the law of the state or province where the Product is installed, this warranty is not transferable to subsequent owners or if the product is moved to a different residence after the initial installation. Non-owner occupied: This limited warranty is provided for products 1) installed in a) single-family or multi-family non-owner occupied residential buildings or b) non-industrial commercial applications, (such

as office buildings, retail establishments, hotels/motels) where the product is not subjected to an atmosphere with corrosives or high levels of particulates (such as soot, aerosols, fumes, grease), and 2) if the product is maintained annually by a licensed HVAC technician (proof of annual maintenance is required). The “Original Owner” of the product, means the original owner of the building where the product was originally installed. For new construction, the purchaser of the building from the builder will also be considered an original owner. This warranty is not transferable to subsequent owners or if the product is moved to a different location after the initial installation.

HOW CAN YOU GET SERVICE

Contact your licensed HVAC technician installer. All installation and service must be performed by a licensed HVAC technician. Failure to use a licensed HVAC technician for the installation of this Product voids all warranty on this Product.

THIS WARRANTY DOES NOT COVER

- Damage from improper installation.
- Damage in shipping.
- Defects other than from manufacturing (i.e., workmanship or materials).
- Damage from misuse, abuse, accident, alteration, lack of proper care and/or regular maintenance, or incorrect electrical voltage or current.
- Damage resulting from floods, fires, wind, lightning, accidents or similar conditions.
- Damage from installation or other services performed by other than a licensed HVAC technician.
- Labor and related services for repair or installation of the Product.
- A Product purchased from an online retailer.
- Damage as a result of subjecting Product to an atmosphere with corrosives or high levels of particulates (such as soot, aerosols, fumes, grease).
- A Product sold and/or installed outside of the 50 United States, the District of Columbia, or Canada.
- Batteries for the controller and other accessories provided with the Product for installation (e.g., plastic hose).
- Normal maintenance, such as cleaning of coils, cleaning filters, and lubrication.
- For Product installed in non-owner occupied applications, Product that has not been maintained annually by a licensed HVAC technician (proof required).
- Damage caused by a used or unapproved component or part by GE Appliances, a Haier company (e.g., a used and/or unapproved condenser / air handler).
- Damage caused by a used or unapproved component or part by GE Appliances, a Haier company (e.g., Technician doesn’t follow the installation guidance when pairing outdoor with a used and/or unapproved condenser / air handler).

THIS LIMITED STANDARD BASED WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy provided in this warranty is exclusive and is granted in lieu of all other remedies. This warranty does not cover incidental or consequential damages. Some states and provinces do not allow the exclusion of incidental or consequential damages, so this limitation may not apply to you. Some states and provinces do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary by state and province. This warranty covers units within the 50 United States, the District of Columbia and Canada. This warranty it provided by GE Appliances a Haier company, Louisville, KY 40225.

ATTACHMENT 2

The “Product” is defined as GE Appliances and Haier brand Side Discharge Condensing Units, identified by the following model number prefixes: AUH*, UUC* (for outdoor).

Documents / Resources

	GE APPLIANCE UUC112WC* Side Discharge Condensing Unit [pdf] Instruction Manual UUC112WC, UUC118WC, UUC124WC, UUC130WC, UUC136WC, UUC148WC, Side Discharge Condensing Unit