



GE APPLIANCES

Ductless Mini-Split Heat Pumps



ASH109CRAWA / ASYW09CRAWA
ASH112CRAWA / ASYW12CRAWA



ASH109CRDDA / ASYW09CRDDA
ASH112CRDDA / ASYW12CRDDA



ASH118CRDDA / ASYW18CRDDA
ASH124CRDDA / ASYW24CRDDA



GE APPLIANCES
a Haier company

AIR&WATER
SOLUTIONS



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Revision History

05/24- Edition release.

1. SPECIFICATIONS



Compressor Type:
DC Inverter Driven Rotary

Voltage/Cycle/Phase:
115/60/1



WIFI
Adaptable with
WIFI Adapter (QAWF01A)



WIFI
Adaptable with
WIFI Adapter (QAWF01A)

		09	12
	Outdoor Unit	ASH109CRAWA	ASH112CRAWA
	UPC	688057408170	688057408194
	Indoor Unit	ASYW09CRAWA	ASYW12CRAWA
	UPC	688057408163	688057408187
Cooling	Rated Capacity Btu/hr	9,000	12,000
	Capacity Range Btu/hr	3,800-12,000	4,100-12,500
	SEER/SEER2	16.0/17.5	16.0/17.0
	EER/EER2	11.0/10.5	11.0/9.5
	Moisture Removal Pt./hr	2.5	3.4
Heating	Heating Capacity Range Btu/hr	4,100-12,000	4,500-16,000
	Rated Heating Capacity 47°F Btu/hr	10,000	12,000
	Max. Heating Capacity 5°F Btu/hr	6,600	8,000
	HSPF/HSPF2 (IV)/HSPF2 (V)	9.0/9.5/7.2	9.0/9.0/7.2
Operating Range	Cooling °F (°C)*	14-115°F (-10-46°C)	14-115°F (-10-46°C)
	Heating °F (°C)	-4-75°F (-20-24°C)	-4-75°F (-20-24°C)
Outdoor Unit	Maximum Fuse Size A	20	20
	Minimum Circuit Amp A	18	18
	Outdoor Noise Level dB	47	50
	Dimension: Height in (mm)	21 1/4 (540)	21 1/4 (540)
	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)
	Dimension: Depth in (mm)	9 5/8 (245)	9 5/8 (245)
	Weight Ship/Net - lbs (kg)	66.2/58.4 (30/26.5)	71.7/63.9 (32.5/29)
Indoor Unit	Fan Speed Stages	5 + Auto	5 + Auto
	Airflow CFM (Turbo/High/Med/Low/Quiet)	305/295/280/265/240	310/300/287/275/245
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	39/37/33/28/23	39/37/33/28/23
	Dimension: Height in (mm)	11 7/16 (290)	11 7/16 (290)
	Dimension: Width in (mm)	34 (864)	34 (864)
	Dimension: Depth in (mm)	7 7/8 (200)	7 7/8 (200)
	Weight Ship/Net - lbs (kg)	24.7/19.9 (11.2/9.0)	24.7/19.9 (11.2/9.0)
Refrigerant Lines	Connections	Flare	Flare
	Liquid O.D. in	1/4	1/4
	Suction O.D. in	3/8	3/8
	Factory Charge Oz	26.5	35.3
	Maximum Line Length Ft/m	66/20	66/20
	Minimum Line Length Ft/m	10/1.8	10/1.8
	Maximum Height Ft/m	33/10	33/10

*Cooling below 23°F (-5°C) requires wind baffle.

¹ OPERATING RANGE:

- Cooling performance rating shall be verified following AHRI 210/240 standards of 80°F (27°C) DB / 67°F (19°C) WB indoor temperature and 95°F (35°C) DB / 75°F (24°C) WB outdoor temperature.
- Heating performance rating shall be verified following AHRI 210/240 standards of 70°F (21°C) DB / 60°F (16°C) WB indoor temperature and 47°F (8°C) DB / 43°F (6°C) WB outdoor temperature.

² CAPACITY CORRECTION:

- Please refer to the submittal documents for specific Capacity Correction tables available at www.GEAppliancesAirAndWater.com

1. SPECIFICATIONS



Compressor Type:
DC Inverter Driven Rotary

Voltage/Cycle/Phase:
208-230/60/1



		09	12	18	24
	Outdoor Unit	ASH109CRDDA	ASH112CRDDA	ASH118CRDDA	ASH124CRDDA
	UPC	084691914334	084691914341	084691882435	084691882442
	Indoor Unit	ASYW09CRDDA	ASYW12CRDDA	ASYW18CRDDA	ASYW24CRDDA
	UPC	084691885924	084691885931	084691895251	084691885948
Operating Range ¹	Cooling w/o Wind Baffle °F (°C)	23°F~115°F (-5~46°C)	23°F~115°F (-5~46°C)	23°F~115°F (-5~46°C)	23°F~115°F (-5~46°C)
	Cooling w/Wind Baffle °F (°C)*	-4°F~115°F (-20~46°C)	-4°F~115°F (-20~46°C)	-4°F~115°F (-20~46°C)	-4°F~115°F (-20~46°C)
	Heating °F(°C)	-4°F~75°F (-20~24°C)	-4°F~75°F (-20~24°C)	-4°F~75°F (-20~24°C)	-4°F~75°F (-20~24°C)
Cooling	Rated Capacity Btu/hr	9,000	12,000	18,000	24,000
	Capacity Range Btu/hr ²	3,800-10,000	4,100-13,000	5,500-20,000	6,500-25,500
	SEER/SEER2	18.0/19.0	18.0/19.0	19.0/19.0	19.0/19.0
	EER/EER2	11.0/11.0	11.0/11.0	11.0/11.0	9.5/9.5
	23°F Cooling Without Wind Baffle	5,000	6,200	14,400	19,200
	-4°F Cooling with Wind Baffle	5,200	6,800	18,000	24,000
	Moisture Removal Pt./hr	2.3	3.4	3.6	4.9
Heating	Heating Capacity Range Btu/hr ²	4,100-11,000	4,500-13,000	5,000-22,000	7,000-28,000
	Rated Heating Capacity 47°F Btu/hr	10,000	12,000	19,000	24,600
	COP @ 47°F	3.8	3.2	3.0	3.0
	Max. Heating Capacity 5°F Btu/hr	7,000	8,400	13,000	16,700
	COP @ 5°F	1.8	1.8	1.75	1.75
	HSPF/HSPF2 (IV)/HSPF2 (V)	10.0/9.0/7.1	10.0/9.2/7.2	10.0/9.0/7.8	10.0/9.0/7.8
Outdoor Unit	Maximum Fuse Size A	15	15	25	30
	Minimum Circuit Amp A	12	12	18	23
	Outdoor Noise Level dB	48	50	59	60
	Dimension: Height in (mm)	21 3/4 (553)	21 3/4 (553)	27 7/16 (697)	27 7/16 (697)
	Dimension: Width in (mm)	31 1/2 (800)	31 1/2 (800)	35 (890)	35 (890)
	Dimension: Depth in (mm)	10 7/8 (275)	10 7/8 (275)	13 7/8 (353)	13 7/8 (353)
	Carton Dimension: Height in (mm)	25 1/2 (645)	25 1/2 (645)	31 1/2 (800)	31 1/2 (800)
	Carton Dimension: Width in (mm)	37 5/8 (954)	37 5/8 (954)	41 1/4 (1046)	41 1/4 (1046)
	Carton Dimension: Depth in (mm)	16 1/8 (409)	16 1/8 (409)	18 1/8 (460)	18 1/8 (460)
	Weight Ship/Net - lbs (kg)	76.1/63.5 (34.5/28.8)	82.2/69.7 (37.3/31.6)	117.5/100.0 (53.3/45.3)	119.9/102.3 (54.4/46.4)
Indoor Unit	Fan Speed Stages	5 + Auto	5 + Auto	5	5
	Cooling Airflow CFM (Turbo/High/Med/Low/Quiet)	421/332/292/242/200	426/360/310/265/200	596/532/478/422/340	846/744/668/592/482
	Heating Airflow CFM (Turbo/High/Med/Low/Quiet)	421/332/292/242/200	426/360/310/265/200	596/506/451/399/318	846/707/631/560/451
	Indoor Motor Speed Cooling (RPM)	1250/1050/950/850/750	1250/1100/1000/900/750	1300/1150/1050/950/800	1300/1150/1050/950/800
	Indoor Motor Speed Heating (RPM)	1200/970/870/770/700	1200/1020/920/820/700	1300/1100/1000/900/750	1300/1100/1000/900/750
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	42/36/33/29/26	42/38/34/31/26	50/46/44/40/35	54/50/47/44/38
	Dimension: Height in (mm)	11 7/8 (301)	11 7/8 (301)	12 7/8 (327)	13 1/4 (337)
	Dimension: Width in (mm)	33 3/4 (856)	33 3/4 (856)	39 3/8 (999)	44 (1115)
	Dimension: Depth in (mm)	7 3/4 (196)	7 3/4 (196)	8 3/4 (223)	9 (230)
	Carton Dimension: Height in (mm)	15 3/8 (389)	15 3/8 (389)	12 3/8 (313)	12 5/8 (319)
	Carton Dimension: Width in (mm)	37 1/2 (952)	37 1/2 (952)	43 3/8 (1100)	47 3/8 (1202)
	Carton Dimension: Depth in (mm)	11 1/8 (283)	11 1/8 (283)	16 1/2 (420)	17 (432)
	Weight Ship/Net - lbs (kg)	26.9/21.2 (12.2/9.6)	26.9/21.2 (12.2/9.6)	34.8/28.1 (15.8/12.7)	43/34.9 (19.5/15.8)
	Connections	Flare	Flare	Flare	Flare
Refrigerant Lines	Liquid O.D. in	1/4	1/4	1/4	1/4
	Suction O.D. in	3/8	3/8	1/2	1/2
	Factory Charge Oz	32.8	40.6	49.4	51.2
	Maximum Line Length Ft/m	66/20	66/20	83/25	83/25
	Minimum Line Length Ft/m	10/3	10/3	10/3	10/3
	Maximum Height Ft/m	33/10	33/10	50/15	50/15

*Cooling below 23°F (-5°C) requires wind baffle.

1 PERFORMANCE:

- Cooling performance rating shall be verified following AHRI 210/240 standards of 80°F (27°C) DB / 67°F (19°C) WB indoor temperature and 95°F (35°C) DB / 75°F (24°C) WB outdoor temperature.
- Heating performance rating shall be verified following AHRI 210/240 standards of 70°F (21°C) DB / 60°F (16°C) WB indoor temperature and 47°F (8°C) DB / 43°F (6°C) WB outdoor temperature.

2 CAPACITY CORRECTION:

- Please refer to the submittal documents for specific Capacity Correction tables available at www.GEAppliancesAirAndWater.com

2.1 General

(2.1.1) Description

- A. The heat pump air conditioner shall be a variable capacity, mini-split type system comprised of a single outdoor and a single wall-mounted indoor unit.

(2.1.2) Toxicity

- A. The heat pump system shall participate in RoHS compliance and listed in the directory.



2.2 Installation Requirements

(2.2.1) Lineset

- A. The connecting refrigerant lines between the indoor and outdoor units are to be supplied by the installer.
- B. The tubing must be annealed ACR-type copper, meeting ASTM B280 standards.
- C. The connecting tubing between the outdoor and indoor units shall be continuous in all possible situations.
- D. The tubing ends must be reamed inside and out, and must be flared using a 45° flaring tool approved for R-410A.
- E. Connections to the indoor and outdoor units shall be made with flare nuts that are supplied with the individual units.
- F. The flare nuts must be attached to indoor and outdoor units using a torque wrench and back- up wrench.

Pipe Size	Torque	A (inch)	Flare Shape
1/4	12 lb/ft 16.3 Nm	0.327-0.343	
3/8	27 lb/ft 36.6 Nm	0.472-0.488	
1/2	40 lb/ft 54.2 Nm	0.488-0.654	
5/8	50 lb/ft 67.8 Nm	0.732-0.748	
3/4	80 lb/ft 108.5 Nm	0.902-0.917	

- G. Each tube must be insulated with a minimum of 1/2 inch (12.7mm) closed-foam insulation that is UV resistant and meets ASTM Standard E84 25/50 flame spread/smoke development.
- H. The lineset between the indoor and outdoor must meet the listed minimum length requirements and not exceed the listed maximum length / maximum height difference specified (See section **1. Specifications**).



2.3 Electrical Requirements

(2.3.1) Electrical Supply

- A. ASH109CRAWA and ASH112CRAWA heat pump models shall be 115 volts AC, single-phase, 60 hertz. Voltage limitation supplied to the outdoor shall be between 104~127 volts.
- B. ASH109CRDDA, ASH112CRDDA, ASH118CRDDA and ASH124CRDDA heat pump models shall be 208/230 volts AC, single-phase, 60 hertz. Voltage limitation supplied to the outdoor shall be between 187~253 volts.
- C. Power supply must be installed in accordance to local building and electrical code.

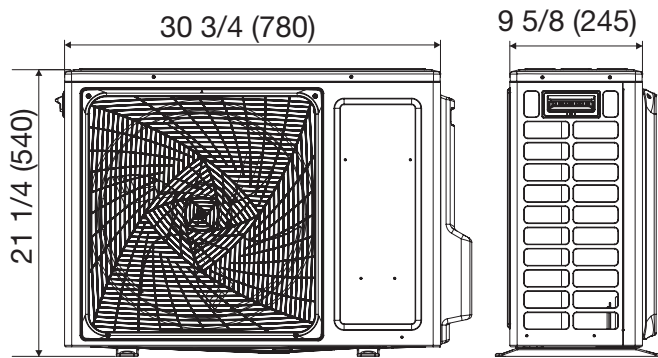
(2.3.2) Connecting Wire to Indoor

- A. Connecting cable between the indoor unit(s) must be made with 4 conductor - 14 AWG stranded copper wire.
- B. Connecting wire must be continuous (without break) unless local code requires power disconnect next to indoor unit. See section **4.4 Electrical Requirements**.

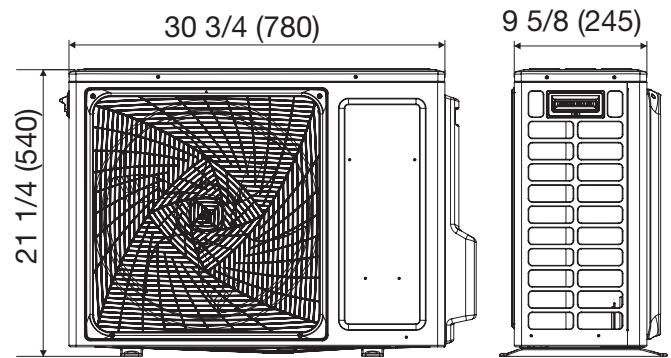
3. OUTDOOR UNITS

3.1 Dimensions

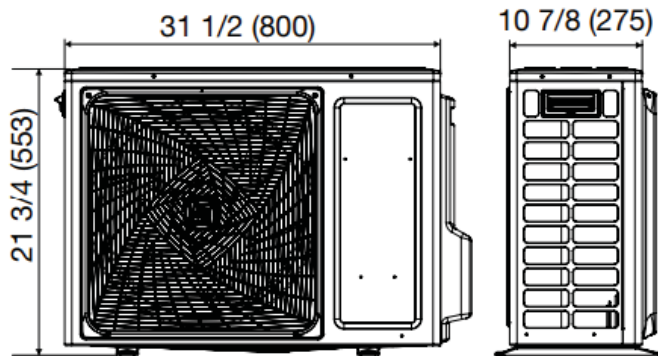
ASH109CRAWA



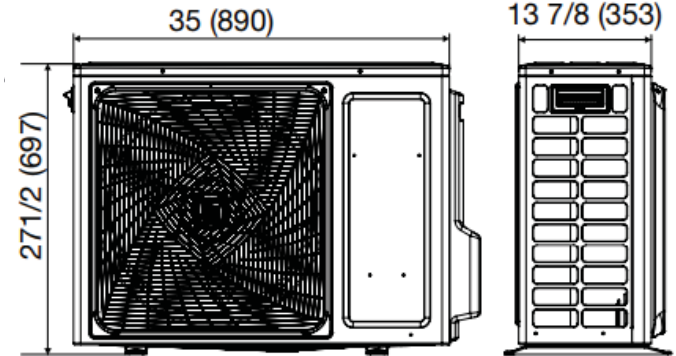
ASH112CRAWA



ASH109CRDDA / ASH112CRDDA



ASH118CRDDA / ASH124CRDDA



3.2 General

(3.2.1) Outdoor Unit Description

- A. The outdoor unit shall be comprised of a condenser coil with all components and controls necessary to perform the rated operation.

(3.2.2) Sound Pressure Rating

- A. Sound pressure rating as measured according to test standard JIS C 961:

Model	Sound Level dB(A)
ASH109CRAWA	47
ASH112CRAWA	50
ASH109CRDDA	48
ASH112CRDDA	50
ASH118CRDDA	59
ASH124CRDDA	60

(3.2.3) Warranty

- A. The outdoor unit shall be covered by a manufacturer's parts warranty (See Section 6. Limited Warranty)

3. OUTDOOR UNITS

3.3 Installation

(3.3.1) Condensate

- A. The installer must adhere to local building codes for managing condensate water produced by the outdoor unit.

(3.3.2) Clearances

- A. The installer must follow the recommended clearances provided in the Installation Manual.



3.4 Components

(3.4.1) Coil

- A. The outdoor coil shall be made with a blue colored hydrophilic coating on the aluminum fins and packed with internally grooved copper tubing, to increase the effective heat exchange surface area by 25%, resulting in higher efficiencies and shorter defrost cycles (approx. 29%.)
- B. Coils shall be helium pressure tested at the factory within a range of 600 - 650 PSI.
- C. Outdoor unit shall be factory charged with R-410A refrigerant for 25 feet of lineset.

(3.4.2) Fan Motor

- A. The outdoor fan motor shall be a brushless, variable speed DCV motor type.
- B. The fan motor shall be molded with heat-hardened resin.
- C. The fan motor shall have permanently lubricated SRC bearings.

(3.4.3) Fan Blade

- A. The outdoor fan blade shall be a UL flame rated plastic-resin design.
- B. The fan blade shall be factory balanced in quiet performance and enhanced velocity.

(3.4.4) Compressor

- A. The compressor shall be a DC rotary type and A-PAM inverter-driven for stable operation in lower and higher frequency.
- B. The compressor shall be variable speed, variable capacity.
- C. The compressor shall have an internal overload protection device.
- D. The compressor shall use PVE (FV50S) refrigerant oil for better anti-wear effectiveness, superior resistance to capillary tube blockage and no hydrolysis compared to POE oil.

(3.4.5) 4WV

- A. The outdoor unit shall contain a four-way reversing valve (4WV) to change system mode from cool to heat.

(3.4.6) EEV

- A. The refrigerant flow shall be regulated by an electronic expansion valve (EEV).
- B. The outdoor control shall monitor the refrigerant flow through the EEV using a pulse-operated coil.
- C. The EEV shall maintain the target of 10°F (5.5°C) of superheat.

(3.4.7) Base Pan

- A. The base pan shall be constructed of commercial grade DC51/DC52 hot-dip galvanized steel with coating.
- B. The outdoor unit shall ship with a drain port adapter sized for 1/2 inch tubing to manage condensate run off.

(3.4.8) Copper Piping

- A. All internally connected copper tubing shall conform to ASTM B280 tubing tolerances.

(3.4.9) Outdoor Enclosure Materials

- A. The outdoor cabinet shall be constructed of commercial grade DC51/DC52 hot-dip galvanized steel with coating.

(3.4.10) Defrost

- A. The outdoor unit shall have a reverse-cycle (hot gas) defrost system to maximize heat pump operation and minimize energy consumption.

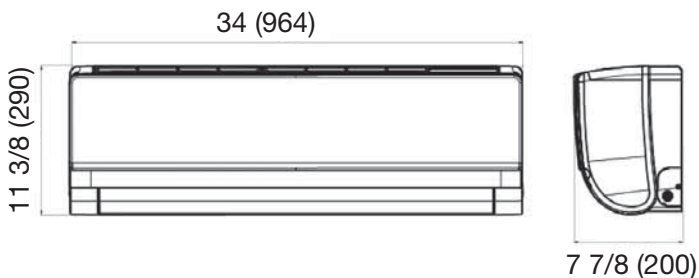
(3.4.11) Accumulator

- A. The accumulator shall be connected to the compressor return line to prevent liquid refrigerant from entering the compressor during operation.

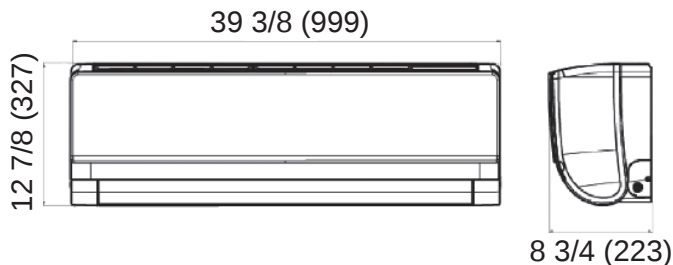
4. INDOOR UNITS

4.1 Dimensions

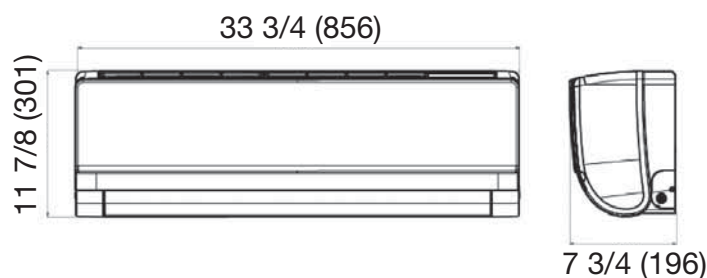
ASH109CRAWA / ASH112CRAWA



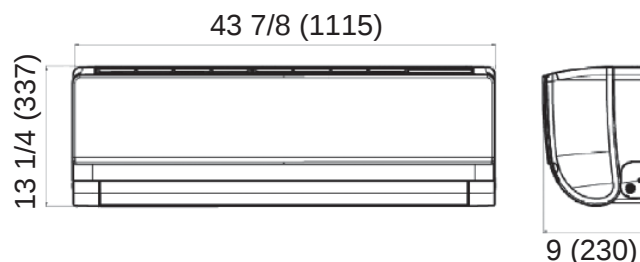
ASYW18CRDDA



ASYW09CRDDA / ASYW12CRDDA



ASYW24CRDDA



4.2 General

(4.2.1) Indoor Unit Description

- A. The wall mounted indoor section completes the system when connected to the matching outdoor unit and field-supplied piping and wiring.

(4.2.2) Sound Ratings

- A. Sound ratings as measured according to test standard JIS C 9612:

Model	Sound Pressure Level dB(A) (Turbo/High/Med/Low/Quiet)	Sound Power Level dB(A) (Turbo/High/Med/Low/Quiet)	Microphone Location
ASYW09CRAWA	39/37/33/28/23	47/45/41/36/31	
ASYW12CRAWA	39/37/33/28/23	47/45/41/36 /31	
ASYW09CRDDA	42/36/33/29/26	50/44/41/37 /34	
ASYW12CRDDA	42/38/34/31/26	50/46/42/39/34	
ASYW18CRDDA	50/46/44/40/35	58/54/52/48/43	
ASYW24CRDDA	54/50/47/44/38	62/58/55/52 /46	

(4.2.3) Warranty

- A. The outdoor unit shall be covered by a manufacturer's parts warranty (See Section 6. **Limited Warranty**)

4. INDOOR UNITS

4.3 Installation

(4.3.1) Condensate

- A. The wall mounted indoor shall be shipped with a insulated polyethylene condensate tubing (5/8" ID) attached from the factory.
- B. The wall mounted indoor unit shall ship with a 6.5 ft (2m) corrugated drain tube that connects to the insulated drain tube.
- C. The wall mounted indoor unit shall be a gravity drain.

(4.3.2) Clearances

- A. The installer must follow the minimum clearances illustrated in the Installation Manual when installing the indoor unit.

(4.3.3) Mounting

- A. The wall mounted indoor unit shall ship with a galvanized metal wall bracket.
- B. The wall bracket shall have multiple anchor points to provide the installer with many options to firmly attach the wall mounted indoor unit to the wall.
- C. The field-supplied mounting hardware must be sufficient to adequately support the indoor unit.
- D. See also section **4.6 Mounting Bracket Dimensions**



4.4 Electrical Requirements

(4.4.1) Electrical Disconnect

- A. Connecting wire must be continuous (without break) unless local code requires a disconnect at the indoor unit.

Model	Fan Motor Rating (Hp)
ASYW09CRAWA	0.064
ASYW12CRAWA	0.064
ASYW09CRDDA	0.064
ASYW12CRDDA	0.064
ASYW18CRDDA	0.07
ASYW24CRDDA	0.07

- B. If a disconnect is required by local code, it must be a 3-pole, single-throw type.



4.5 Components

(4.5.1) Coil

- A. The indoor coil shall be made with a blue colored hydrophilic coating on the aluminum fins and packed with internally grooved copper tubing, to increase the effective heat exchange surface area by 25%.
- B. Copper tubing shall have inner micro-grooves to increase effective heat transfer capabilities.
- C. Coils shall be pressure tested at 600~650 PSI using helium leak detection.
- D. The coil shall be charged with dry nitrogen for shipping at 70~100 PSI.

(4.5.2) Fan Motor

- A. The fan motor shall be a sealed DC multiple-speed resin-packed motor
- B. The fan motor shall have permanently lubricated bearings.
- C. The ASYW18CRDDA and ASYW24CRDDA shall have an optimized fan motor and blower design to enable up to 40 feet of air flow.
- D. The ASYW09CRAWA, ASYW09CRDDA, ASYW12CRAWA AND ASYW12CRDDA shall have an optimized fan motor and blower design to enable up to 60 feet of air flow.

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4.5 Continued...

(4.5.3) Fan Blade

- A. The fan blade shall be a corrosion-resistant cross-flow blower.
- B. The fan shall be designed with optimized diameter and surface area to deliver quiet and even air flow.

(4.5.4) Copper Piping

- A. The coil shall be connected to a length of insulated annealed copper.
- B. The ends of the tubing shall have male flare connections.

(4.5.5) Air Louvers

- A. The supply air shall be distributed by horizontal and vertical motorized louvers.
- B. Air Louvers shall provide wide angle of operation for both horizontal (120°) and vertical (90° from top to down) airflow movement to provide room comfort for each corner.

(4.5.6) Display

- A. The wall mounted indoor unit shall have a 4.5 x 1.1-inch backlit temperature display capable of showing set or room temperatures.
- B. The display shall also have colored icons representing set mode.
- C. The display can be turned off from the wireless remote control.

(4.5.7) WiFi

- A. The ASYW09CRAWA and ASYW12CRAWA wall mounted indoor unit shall be capable of connecting to WiFi using an adapter.
- B. The ASYW09CRDDA, ASYW12CRDDA, ASYW18CRDDA and ASYW24CRDDA wall mounted indoor units shall come equipped with WiFi capabilities.

(4.5.8) Filter

- A. The wall mounted indoor unit shall have removable air filters.
- B. The air filters shall be washable and reusable.

(4.5.9) Control

- A. The wall mounted indoor unit shall ship with the standard hand-held remote control.
- B. The wall mounted indoor unit shall be compatible with the simple wired controller and the programmable wired.

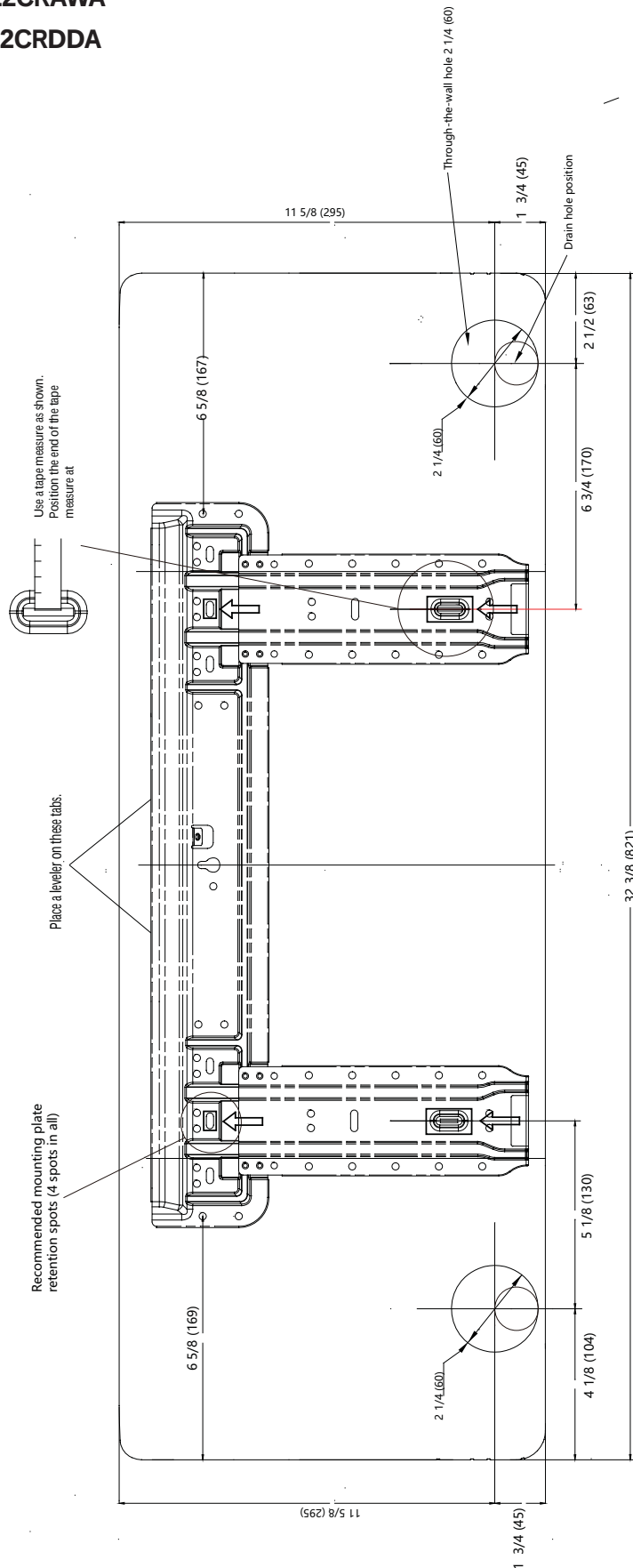
(4.5.10) Installation Clip

- A. The wall mounted indoor unit shall have a built-in clip that swings out and acts as a kick stand to allow for easier access to the rear of the unit during installation and repair.

4.6 Mounting Bracket Dimensions

ASYW09CRAWA / ASYW12CRAWA

ASYW09CRDDA / ASYW12CRDDA

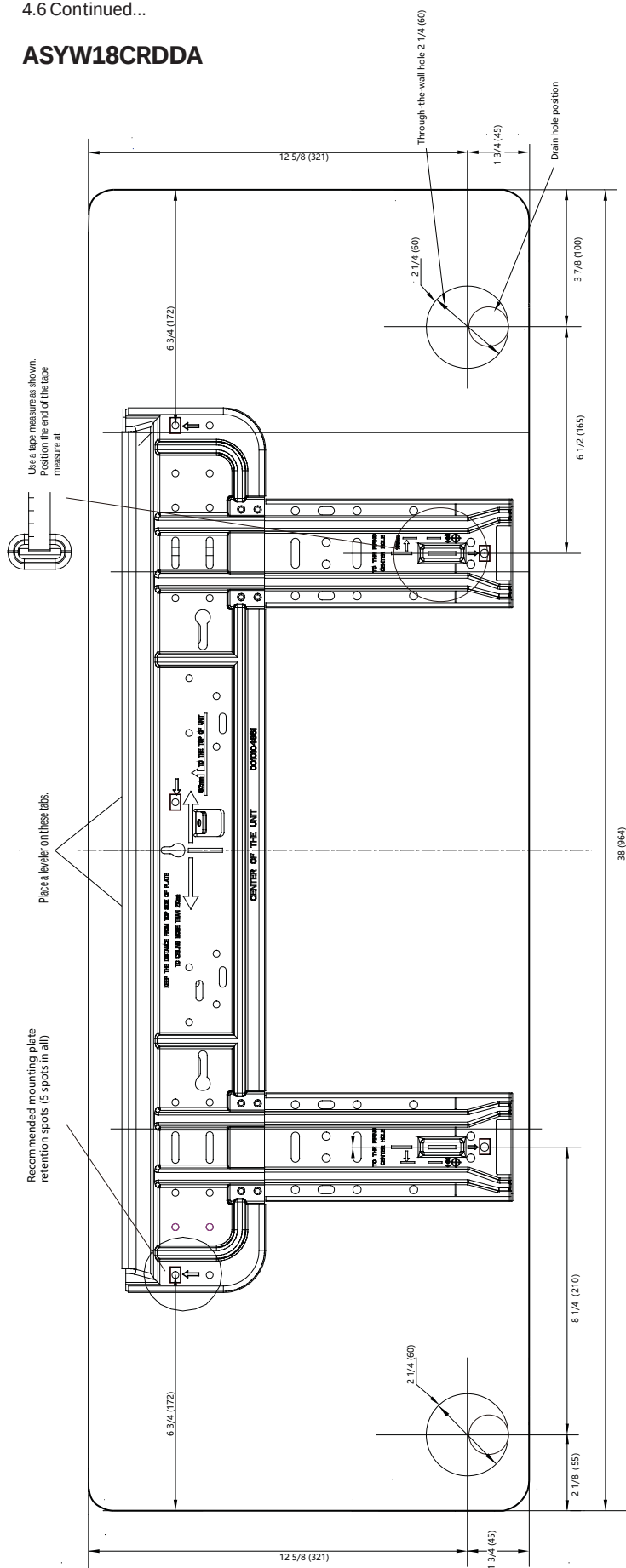


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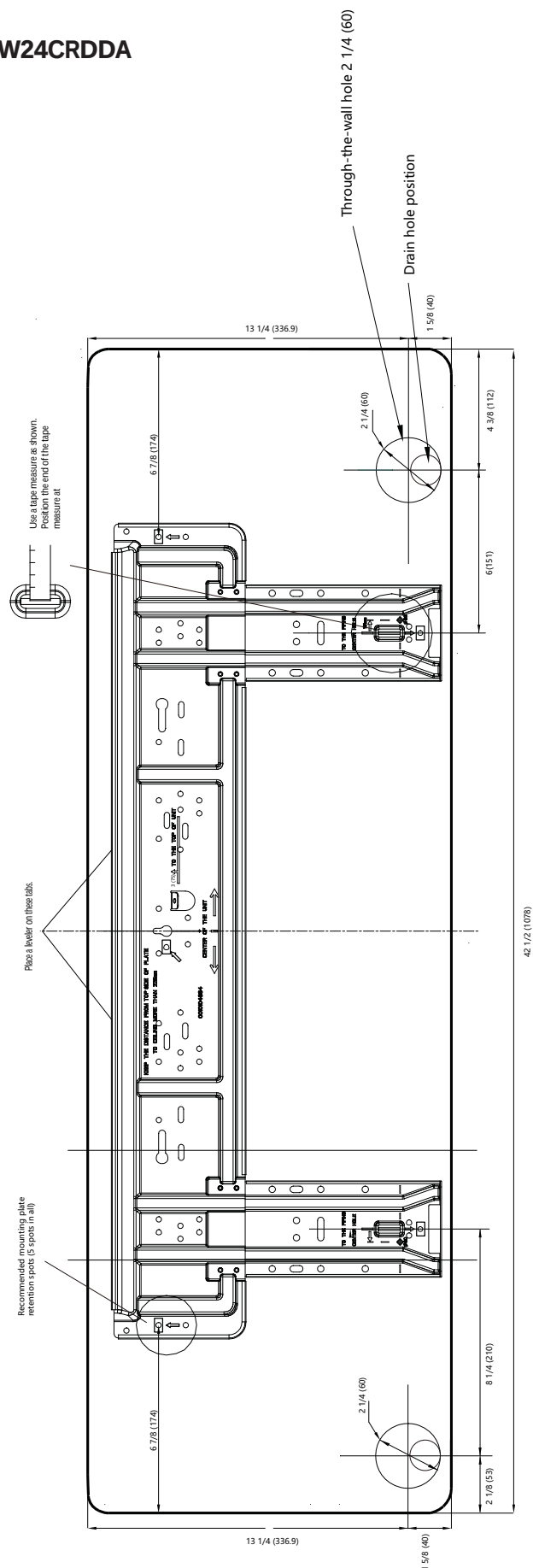
4. INDOOR UNITS

4.6 Continued...

ASYW18CRDDA



ASYW24CRDDA



5.1 Standard Remote Control

(5.1.1) General

- A. Standard remote control shall be compatible with wall mounted and cassette indoor units.
- B. Standard remote control shall come packaged with wall mounted and compact cassette indoor units

(5.1.2) Connection

- A. Standard remote control shall be infrared.

(5.1.3) Warranty

- A. The warranty shall cover all defects in workmanship or material for a period of 1 year. A new or refurbished controller will provide with sole discretion.

(5.1.4) Features

- A. The wireless control shall have a power button, individual mode buttons (Heat, Cool, Dry), temperature +/-, fan speed, vertical and horizontal louver adjustments.
- B. The wireless control shall be capable of setting a precise temperature of $\pm 1^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$).
- C. The wireless control shall have a backlight.
- D. The wireless control shall have a child lock function.
- E. The wireless control shall have the ability to turn on/off the indoor unit display.
- F. The wireless control shall display either Fahrenheit or Celsius.



5.2 Wired Controllers

(5.2.1) General

- A. The wired controller shall be a wall-mounted.

(5.2.2) Connection

- A. The wired controller shall connect to an indoor unit using the supplied cable.
- B. Two wired controllers can connect to one indoor unit.
- C. A single wired controller shall be able to connect up to 16 of the same model type of indoor units. The connected units shall work in unison as a single zone.

(5.2.3) Warranty

- A. The warranty shall cover all defects in workmanship or material for a period of 1 year. A new or refurbished controller will provide with sole discretion.

(5.2.4) Programmable Wired Controller Feature

- A. The controller shall have a color display.
- B. The wired controller shall have a power button, individual mode buttons (heat, cool, dry), temperature +/-, fan speed, vertical and horizontal louver adjustments.
- C. The wired controller shall be capable of setting a precise temperature of $\pm 1^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$).
- D. The wired controller shall have a backlight.
- E. The wired controller shall have a child lock function.
- F. The wired controller shall display either Fahrenheit or Celsius.
- G. The wired controller shall have the ability to display indoor ambient temperature.
- H. The wired controller shall have a Clean Filter reminder.
- I. The wired controller shall display error codes.
- J. The wired controller shall be able to be programmed for daily or weekly settings.

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(5.2.5) Simplified Wired Controller Features

- A. The wired controller shall have large physical buttons for easy operation.
- B. The wired controller shall have a power button, a mode button (heat, cool, dry), a fan speed button, a temperature up button and a temperature down button.
- C. The wired controller shall be capable of setting a precise temperature of $\pm 1^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$).
- D. The wired controller shall have a back light.
- E. The wired controller shall have vertical and horizontal louver control.
- F. The wired controller shall have a child lock function.
- G. The wired controller shall display either Fahrenheit or Celsius.
- H. The wired controller shall have the ability to display indoor ambient temperature.
- I. The wired controller shall have a Clean Filter reminder.
- J. The wired controller shall display error codes.
- K. The wired controller shall have an infrared receiver that can receive commands from the hand-held remote control.



5.3 WiFi

(5.3.1) General

- A. ASYW09CRDDA, ASYW12CRDDA, ASYW18CRDDA and ASYW24CRDDA units to come complete with WiFi Built in.

(5.3.2) Connection

- A. WiFi shall have an app that is compatible with both iOS and Android.
- B. WiFi shall be paired with existing 2.4GHz network
- C. WiFi shall comply with Part 15 of the FCC rules.

(5.3.3) Warranty

- A. The warranty shall cover all defects in workmanship or material for a period of 1 year. A new or refurbished controller will provide with sole discretion.

(5.3.4) Features

- A. The WiFi shall be Google Home compatible.
- B. The WiFi shall be Amazon Alexa compatible.
- C. The homeowner shall have the ability to configure the WiFi.

5.4 WK-B Interface Kit

(5.4.1) General

- A. The WK-B adapter shall be used when connecting a wired controller to a wall mounted indoor unit.

(5.4.2) Connection

- A. The WK-B adapter shall connect to the indoor unit with a supplied 3-wire cable.
- B. The wired controller shall connect to the WK-B with a supplied 3-wire cable.

(5.4.3) Compatibility

- A. The WK-B adapter shall be compatible with all mini-split and multi-split wall mounted indoor units.
- B. The WK-B adapter shall be compatible with YR-E16B, and QACT17A wired controllers.

(5.4.41) Warranty

- A. The warranty shall cover all defects in workmanship or material for a period of 1 year. A new or refurbished controller will provide with sole discretion.

Limited Warranty

For the product models listed on Attachment 1 (the "Product"), this Standard Base 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 Standard Base. Limited Warranty covers all defects in workmanship or material for the mechanical and electrical parts (including the compressor) 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 remote controller is covered by 1-year accessory warranty. The ductless system is covered by Standard Base Limited Warranty. GE Appliances will provide a new or refurbished controller, at its sole discretion.

EXCLUDED COMPONENTS

The following components are not covered by this warranty: cabinets, cabinet pieces, air filters, driers, refrigerant, refrigerant line sets, belts, wiring, fuses, oil nozzles, unit accessories and any parts not affecting unit operation.

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. Registration is strongly recommended. 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. For new construction, the Date of Purchase will be the date of purchase of the residence by the Owner 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. Non-owner occupied: The "Original Owner" of the Product means the original owner of the building where the Product was originally installed, and for new construction, the purchaser of the building from the builder. "Non-owner occupied" is defined as a a) single family or multi-family non-owner-occupied residential building, or b) non-industrial commercial application, (such as office buildings, retail establishments, hotels/motels), but for non-owner-occupied Original Owners, this limited warranty requires that the product be installed and maintained annually by a licensed HVAC technician (proof of annual maintenance is required). Subject to the law of the state or province where the Product is installed, the remainder of this Standard Base Warranty is transferable to subsequent owners of the residence or building.

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 installation of this Product voids all warranty on this Product.

THIS WARRANTY DOES NOT COVER

- Damage from improper service or installation.
- Damage in shipping.
- Defects other than manufacturing defects (i.e., other than 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.
- Product that was not installed or serviced by a licensed HVAC technician.
- Labor and related services for repair or installation of the Product.
- A product purchased from an unauthorized 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
- Product that has been moved from its original installation to a new residence or building.

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Limited Warranty (Continued)

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. 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 apply. Except in Texas or where otherwise required by law, this Standard Registered Limited Warranty is not transferable to a subsequent purchaser (other than the purchaser of a new building), but subsequent purchases will receive the remainder of the Standard Base Warranty.

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 is provided by:

GE Appliances, a Haier company, Louisville, KY 40225.

ATTACHMENT 1

The "Product" is defined as Haier brand and GE Appliances brand Ductless Split Units and Side-discharge Units. The "Product" contains 2 sub-categories of goods: "Indoor and Outdoor Products" and "Selected Installation Products," which are further defined below: "Indoor and Outdoor Products" can further be identified by the following model number descriptions: 1U*, 2U*, 3U*, 4U*, 5U*, AB*, AD*, AL*, AM*, AW*, AF*, ASY*, USY*, ASH*, AUH*, UUC*, UUY*, "Selected Installation Products", identified by the following model number descriptions: PB-*, PAD-*.

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GE APPLIANCES