



ECO Series

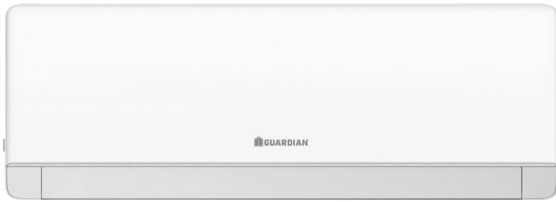
ECO Series SEER2 19



Conquer every challenge
with a brand that's
always on duty



Guardian Eco Series Mini Split Systems



Sleek, Silent, Smart Efficiency

Guardian Eco Series mini splits offer ENERGY STAR ultra-efficiency, saving up to 60% on energy. They feature whisper-quiet operation, sleek modern design, powerful large-blade airflow, self-cleaning for cleaner air, precise remote sensing, durable three-proofed outdoor PCB, and anti-corrosive protection—delivering reliable, low-maintenance year-round comfort.

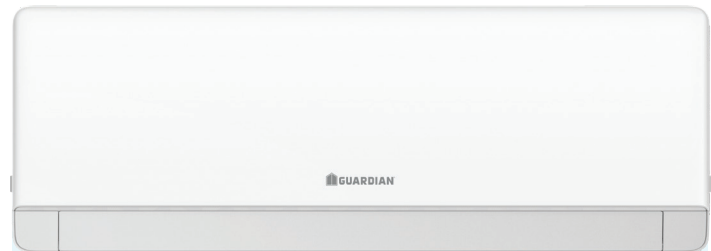


Contractor Benefits

Guardian Mini-Split Systems feature a smart, technician-friendly design that makes installation, cleaning, and servicing significantly easier and faster.

Many conventional mini-split units have design limitations that create unnecessary challenges for installers and service technicians—such as difficult access to internal components, time-consuming disassembly for cleaning, or complicated part replacements.

Guardian systems are engineered with both end-users and technicians in mind. Unit have been designed for straightforward access to key components, allowing critical parts to be inspected, cleaned, or replaced in minutes.



Benefits at a glance

- One-person installation
- Gold-finned coating
- Newly-designed, high-performance PCB
- Three-proofing outdoor PCB
- Installation mounting plate
- Built in kick stand for installation support



Homeowner Benefits

Convenient control: Choose from a wireless remote or optional wall-mounted wired controller. With soft mode and a timer function, temperatures can be set by time of day.

Comfort at your fingertips: Press the 'I Feel' button and achieve intelligent temperature control with accuracy and comfort.

Large cross flow blade & fan design: The indoor unit's fan has a larger Guardian cross flow blade than standard models. This design moves more air efficiently at lower speeds, providing faster, more even cooling/heating, quieter operation, and better energy efficiency.

ENERGY STAR rated efficiency: Heat pumps with this certification use up to 60% less energy through advanced efficiency design. This delivers substantial utility bill savings, cuts greenhouse gas emissions, and provides reliable year-round heating and cooling without duct losses.

Sleek design meets near-silent operation: Conditioned air is delivered whisper quiet. Slim-profile heating/cooling indoor units look great. With HIPPS to ensure the unit always looks like new.

Auto cleaning: Regular self-cleaning cycles prevent dust, mold, and bacteria buildup, delivering cleaner air throughout the space. By drying the evaporator and removing moisture, the unit curbs unpleasant odors from mold growth. The automated process adds convenience, maintaining a cleaner, more efficient system with minimal manual effort.



Features

Comfort



I-Feel

The wireless controller features a built-in sensor that detects temperature and humidity near the user, adjusting the unit to maintain comfort around the remote rather than at the indoor unit. This ensures more precise control, enhanced comfort in the user's immediate environment, greater efficiency, and superior overall comfort management.



Remote & Wired Controller

Simple, intuitive operation with either the remote control or wall mounted wired controller.



Large Cross Flow Blade & Fan Design

The indoor unit's fan has a larger Guardian Cross flow blade than standard models. This design moves more air efficiently at lower speeds, providing faster, more even cooling/heating, quieter operation, and better energy efficiency.



4D Airflow

Precision-controlled louvers direct comfort up, down, left, and right for even, draft-free coverage throughout the room.

Efficiency



Energy Saving

ENERGY STAR certified to save you money. DC Inverter adjusts frequency according to the temperature difference to save energy.



Features

Durability



Gold-finned Coating

Enhances performance, durability, and reduces maintenance. An anti-corrosive coating shields the outdoor unit from rain, salt air, and pollutants—ideal for coastal or industrial areas. This protection also improves heat transfer for more effective and efficient cooling and heating.



Three-proofing outdoor PCB

The UV adhesive cover on the outdoor PCB provides robust protection against corrosion, significantly reducing failure rates and minimizing maintenance requirements for the air conditioner.

Indoor Air Quality



Auto Cleaning

Regular self-cleaning cycles prevent dust, mold, and bacteria buildup, delivering cleaner air throughout the space. By drying the evaporator and removing moisture, the unit curbs unpleasant odors from mold growth. The automated process adds convenience, maintaining a cleaner, more efficient system with minimal manual effort.



Single-Zone Systems - Eco Series

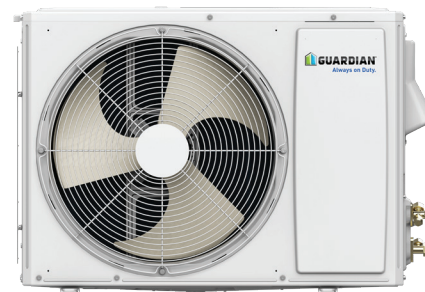
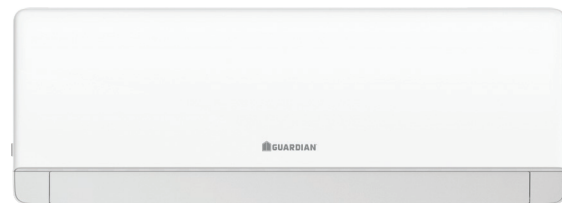
Single-Zone Systems

115V 9K-12K and 208/230V 9K-36K BTU/h
Inverter Heat Pump and Wall-Mounted Units

- One-Person Easy Installation
- Multiple comfort and efficiency settings
- R32 Energy Efficient
- 3D precision inverter technology
- Sleek LED display
- Soft
- 4D Airflow
- Three-Proofing on outdoor PCB
- Gold Fin advanced corrosion protection
- I-Clean, self cleaning mode
- 2 Ways to control - Remote and Wall Controller
- I-Feel mode
- Auto Restart
- Sleep mode
- ENERGY STAR Certified

Benefits at a glance

- Best in class operating temperatures
- Heating down to -13°F
- Cooling down to 5°F



Standard
Wireless Remote Controller



Optional
Wired Controller

Specifications



Indoor Unit



Outdoor Unit



Remote Control



Wired Controller

IDU MODULE			GRD09HW15STG1	GRC09HW23STG1	GRD12HW15STG1	GRC12HW23STG1	GRC18HW23STG1	GRC24HW23STG1	GRC30H-W23STG1	GRC36HW23STG1
Cooling	Capacity (95°F Rated)	BTU/h	9100	9100	12000	12000	18000	24000	TBD	33600
	Capacity Range	BTU/h	1700-12000	1700-12600	1700-13300	1700-13300	2900-20000	4300-25200		7500-35500
	Rated Power Input	W	800	758	1250	1212	1638	2050		3320
Heating	Capacity (47°F Rated)	BTU/h	9500	10000	12300	12300	19100	24000		34000
	Capacity Range	BTU/h	1700-14000	1700-14000	1700-15000	1700-15000	4400-22600	5300-27300		8300-42000
	Rated Power Input	W	800	790	1050	1030	1695	2050		3000
	Capacity (17°F Rated)	BTU/h	7600	5800	9000	7500	14000	20800		23600
	Capacity (5°F Rated)	BTU/h	9000	9200	9200	9200	14200	20000		23800
	Capacity (5°F Max)	BTU/h	9900	9900	10170	10170	15770	21060		24750
Efficiency	SEER2	BTU/h/W	19.0	19.0	19.0	19.0	19.0	18.0		18.0
	HSPF2 (Region IV)	BTU/h/W	8.5	9.2	8.5	8.8	9.0	9.0		8.5
	EER2	BTU/h/W	11.4	12.0	9.6	9.9	11.0	11.9		10.1
	COP (5°F)	W/W	1.93	2.00	2.09	2.10	2.20	2.10		2.00
Power Supply Source		V/Ph/Hz	115/1/60Hz	208-230V~/1/60Hz	115/1/60Hz	208-230V~/1/60Hz	208-230V~/1/60Hz	208-230V~/1/60Hz		208-230~/1/60Hz
Refrigerant			R32	R32	R32	R32	R32	R32		R32
Fan System Air Flow Volume		CFM [m3/h]	353/312/283/253/177 [600/530/480/430/300]	353/312/283/253/177 [600/530/480/430/300]	383/347/318/288/194 [650/590/540/490/330]	383/347/318/288/194 [650/590/540/490/330]	618/559/500/441/253 [1050/950/850/750/430]	736/647/589/500/330 [1250/1100/1000/850/560]		912/812/695/624 [1550/1380/1180/1060]
Noise Level		dB A	41/36/34/31/26	41/36/34/31/26	43/40/36/33/27	43/40/36/33/27	49/46/42/37/29	50/48/44/39/33		51/48/44/39/34
IDU Net Weight		lbs [kg]	17.6 [8]	17.6 [8]	18.7 [8.5]	18.7 [8.5]	26.5 [12]	30.9 [14]		35.3 [16]
Dimension	Net Dimension (WxDxH)	in [mm]	30.2*12*7.9 [768*304*199]	30.2*12*7.9 [768*304*199]	32.6*12*7.9 [827*304*199]	32.6*12*7.9 [827*304*199]	39.3*12.8*8.7 [997*324*221]	44.9*13.3*9 [1140*337*228]		49.2*14.1*9.9 [1250*359*253]
	Packing Dimension (WxDxH)	in [mm]	831*371*282 [32.7*14.6*11.1]	831*371*282 [32.7*14.6*11.1]	35.2*14.6*11.8 [895*371*300]	35.2*14.6*11.8 [895*371*300]	42.1*15.2*12.3 [1070*385*312]	47.6*15.7*12.9 [1210*400*327]		52.8*17.5*14 [1340*445*355]
Drainage Pipe	Condensate Drainage Pipe O.D	in [mm]	0.67 [16.9]	0.67 [16.9]	0.67 [16.9]	0.67 [16.9]	0.67 [16.9]	0.67 [16.9]		0.67 [16.9]
ODU MODEL			GRD09CN15STG1	GRC09CN23STG1	GRD12CN15STG1	GRC12CN23STG1	GRC18CN23STG1	GRC24CN23STG1	GRC30CN-23STG1	GRC36CN23STG1
Air Circulation		CFM [m3/h]	1059 [1800]	059 [1800]	059 [1800]	059 [1800]	1530 [2600]	2295 [3900]		2295 [3900]
Operation Range	Cooling	°F [°C]	5-125 [-15-52]	5-125 [-15-52]	5-125 [-15-52]	5-125 [-15-52]	5-125 [-15-52]	5-125 [-15-52]		5-125 [-15-52]
	Heating	°F [°C]	-13-75 [-25-24]	-13-75 [-25-24]	-13-75 [-25-24]	-13-75 [-25-24]	-13-75 [-25-24]	-13-75 [-25-24]		-13-75 [-25-24]
Electric Production	MCA	A	15	10	15	10	15	15		20
	MOCP	A	25	15	25	15	20	25		35
Length		in [mm]	27.6 [702]	27.6 [702]	27.6 [702]	27.6 [702]	30.8 [783]	34.8 [886]		34.9 [888]
Diameter		in [mm]	0.28 [7]	0.28 [7]	0.28 [7]	0.28 [7]	0.28 [7]	0.28 [7]		0.28 [7]
Noise Level		dB A	51	52	52	52	53	58		59
ODU Net Weight		lbs [kg]	51.8 [23.5]	55.1 [25]	51.8 [23.5]	55.1 [25]	66.1 [30]	97 [44]		105.8 [48]
Dimension	Net Dimension (WxDxH)	in [mm]	31.7*12.2*21.2 [805*309*538]	31.7*12.2*21.2 [805*309*538]	31.7*12.2*21.2 [805*309*538]	31.7*12.2*21.2 [805*309*538]	30.9*13.9*21.9 [880*353*557]	34.6*13.9*27.6 [900*350*700]		35.4*13.8*27.6 [900*350*700]
	Packing Dimension (WxDxH)	in [mm]	32.5*13.6*23.4 [825*345*595]	32.5*13.6*23.4 [825*345*595]	32.5*13.6*23.4 [825*345*595]	32.5*13.6*23.4 [825*345*595]	35.6*15*24.2 [903*382*615]	40*16.7*30 [1015*425*762]		40*16.7*30 [1015*425*762]
Connect Pipe	Length Height	ft [m]	L - 65 [19.8] H - 50 [15.24]	L - 65 [19.8] H - 50 [15.24]	L - 65 [19.8] H - 50 [15.24]	L - 65 [19.8] H - 50 [15.24]	L - 100 [30.5] H - 65 [19.8]	L - 100 [30.5] H - 65 [19.8]		L - 100 [30.5] H - 65 [19.8]
	Liquid Tube Diameter	in [mm]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]		1/4 [6.35]
	Gas Tube Diameter	in [mm]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	1/2 [12.7]	5/8 [15.88]		5/8 [15.88]
Factory Charge		oz	22.6	22.6	22.6	21.2	34.6	44.1		72.3
Additional Charge		oz/ft	0.172	0.172	0.172	0.172	0.258	0.258		0.258

Controllers

GEHHRC1 Wireless Remote Controller (Standard)

The wireless remote controller provides precise control over system functions, including:

- Temperature setting
- 'Operating' mode
- Fan setting
- 'Turbo' mode
- Timer on/off
- Horizontal and vertical swing
- 'Sleep' mode
- Clock setting
- 'Eco' mode
- 'I feel' mode
- Auto-clean function



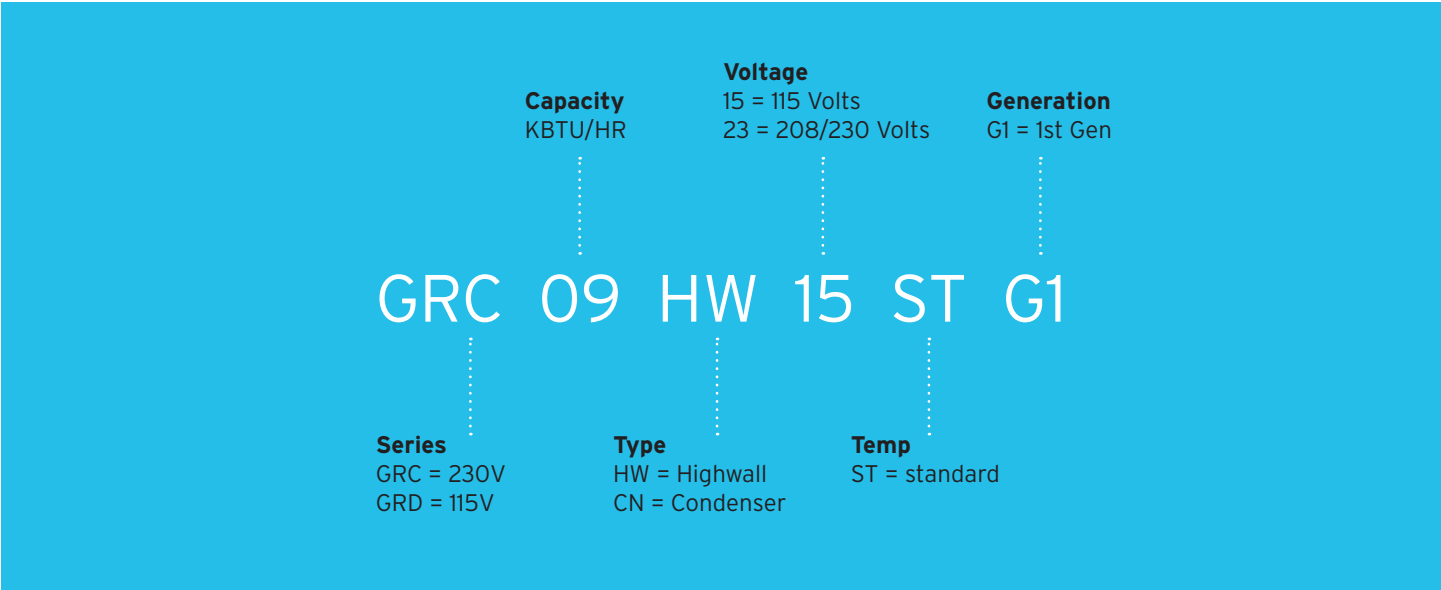
GEWRC1 Wired Controller (Optional)

Enjoy precise control with system functions, including:

- Mode display
- Fan speed display
- Horizontal/vertical airflow swing display
- Other functions display
- Temperature display
- Timer display
- Power on/off
- Fan speed
- Airflow direction
- Temperature up/power boost
- Timer
- Cancel operations / 'Cleaning' mode
- Special functions for authorized personnel
- Confirm/lock/unlock



Model Identification Guide



We support you every step of the way

Expect consistently on-time deliveries

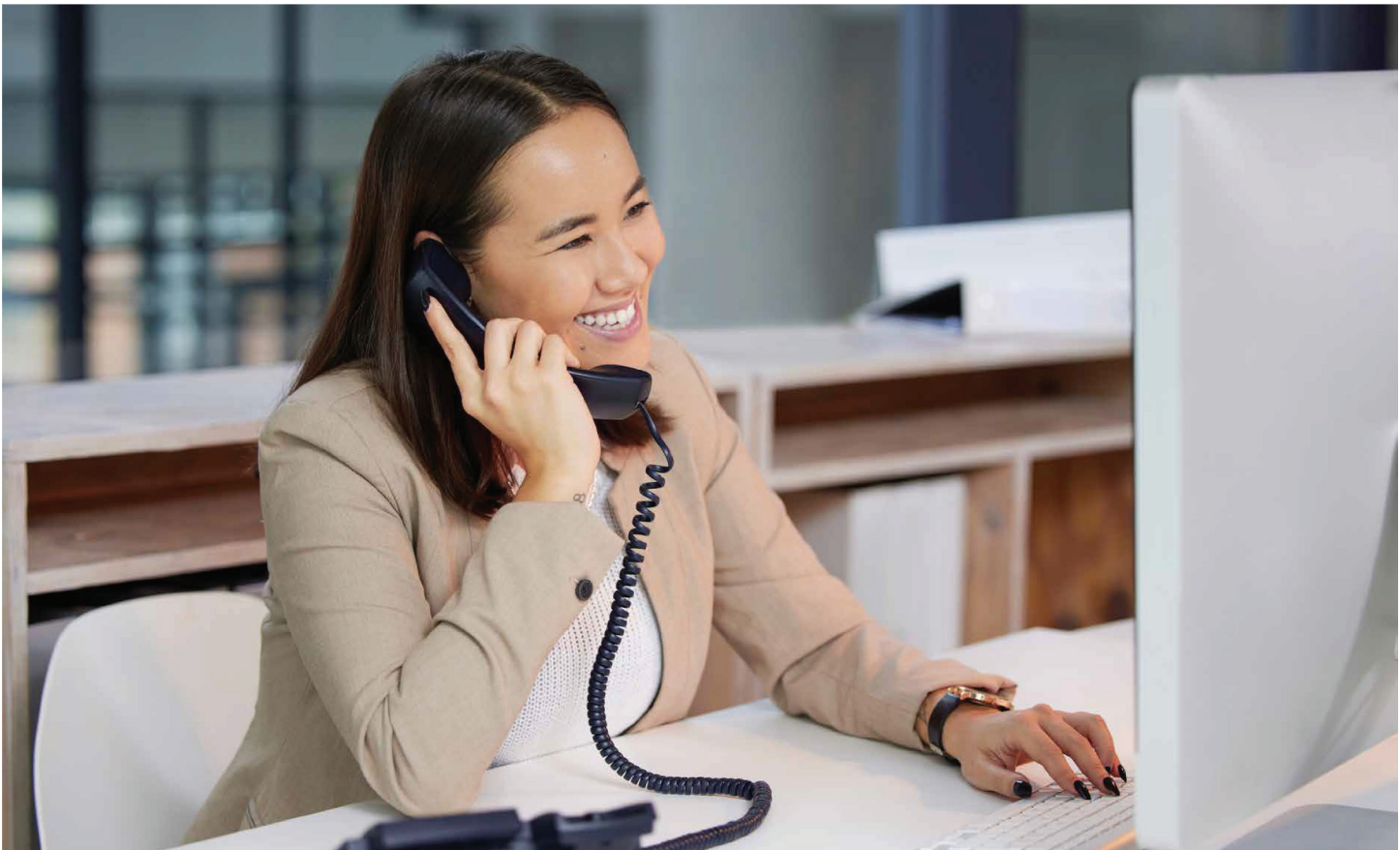
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Guardian systems are engineered with both end-users and technicians in mind. Units have been designed for straightforward access to key components, allowing critical parts to be inspected, cleaned, or replaced in minutes.

We have you covered with factory-backed, industry-leading warranties

Enjoy the best protection in the industry with our factory-backed warranties. In addition to the standard Seven-Year Limited Compressor and Five-Year Limited Parts Warranty, we offer an enhanced warranty that provides protection for 10 years.

Simply register the system on HVACNavigator.com for an automatic upgrade to a 10-year parts and 10-year compressor warranty. And enjoy unparalleled support with our 10-year labor plans.



We'll get your team up to speed quickly

Effective training, intuitive design, selection software, advanced logistics and delivery and easily accessible documentation form a powerful support package that adds substantial value to Hitachi Mini-Split systems. Comprehensive installation and startup classes provide the skills necessary to install Hitachi Mini-Split Systems effectively and efficiently.

Our training centers are located in Dallas, Texas and New Freedom, Pennsylvania. They include laboratories with multiple mini-split systems to provide hands-on experience with components and controls. Videos and webinars supplement classroom learning on specific subjects that refresh and enhance the skills of your sales, design, installation and service teams. Hitachi ductless mini-split system training helps deliver the peace of mind that your staff is prepared to support your business with the knowledge to compete in a growing industry.



Selection is simple

The online program allows access from any computer or tablet. The software's intuitively designed features and functionality enable you to:

- Select options and accessories quickly, easily and accurately without the need for additional information or calculations
- Gain an edge by confidently and easily designing mini-split systems
- Work efficiently by providing quick access to accurate product information





Notes



Standard

1-Year Limited Parts / 3-Year Limited Compressor



Extended Warranty

5-Year Parts / 7-Year Compressor:

Requires online registration. Available for installations in residential applications at no additional cost.



Industry-Certified

Guardian Mini-Split Systems are certified by the Air Conditioning, Heating, and Refrigeration Institute. They are also UL Certified under Intertek's ETL Mark (Canada and USA), signifying that they comply with the safety standards for heating and cooling equipment (UL 60335-2-40 Ed. 4. and CAN/CSA C22.2 No.60335-2-40 Ed. 4 2022).

