



# CROWN+

DUCTLESS SPLIT  
HEAT PUMP



World-Class Performance  
Up to 30 SEER  
Ultra Heating



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## DUCTLESS SPLIT HEAT PUMP

### FEATURES AND BENEFITS



**ULTRA HIGH EFFICIENCY** Cooling efficiency up to 30.5 SEER and heating up to 10.5 HSPF, making it among the most energy efficient heat pumps available today.

**ENERGY STAR®** Energy Star rated, recognized nationwide for products with high efficiency and lower utility costs.



**ULTRA HEATING** Heat Pump technology that delivers true heating performance in cold climate by delivering up to 90% heating capacity at -22°F

#### **VARIABLE SPEED TWO-STAGE COMPRESSOR**

Gree's advanced 2-stage compressor provides extended heating capacity in ultra-low and high temperature environments.



**G-10 INVERTER TECHNOLOGY** Gree's G-10 Inverter Technology gives the Crown+ system a wide range of heating and cooling capacities to reach the desired room temperature much faster and maintain consistent comfort levels year round.

**QUIET OPERATION** Minimizing operating noise makes the Crown+ outdoor units among the quietest in the industry.

**HEAT PUMP ADVANTAGE** Gree heat pumps, powered by the G-10 Inverter, provide heat at up to 1/3 the cost of electric heat.

**RESILIENT CONSTRUCTION** The outdoor unit has a robust, heavy gauge steel frame construction which is easy to maintain while providing years of reliable operation.

**LOW VOLTAGE START-UP** The Crown+ will operate from 187V to 253V adapting to unstable power supply areas, avoiding system failure.

**INTELLIGENT DEFROST** Saves energy by defrosting only when needed, the Crown+ series monitors the frost build on the coil surface.

**TIME GUARD** Among the system's many safeties is a Time Guard function to prevent rapid cycling of the compressor, a protective time delay restricts compressor restarts after shutoff.

Introducing Crown+, the ultra high-efficiency smart ductless split system from Gree, one of the world's most trusted HVAC manufacturers. Crown+'s world-class energy efficiency will lower your utility bills without sacrificing comfort. Also features Ultra Heating, a heat pump technology that provides reliable heating down to -22°F.

Every Crown+ system comes with Gree's Wireless RF Remote Controller. Crown+'s built-in WIFI technology allows direct control from Smartphones with the Gree+ App, making it the most convenient system for today's busy lifestyles.

Crown+'s minimalistic, streamline design enhances any décor and its high-quality construction and time-tested reliability guarantees many years of trouble-free operation.

Unparalleled technology and features make Crown+ the perfect choice for any home or office.

**SELF-DIAGNOSTICS** The system has a built-in computer which uses real-time diagnostics to help prolong the unit's life. The automatic diagnostics feature continuously scans for errors or malfunctions and fault codes are shown on the unit display to facilitate troubleshooting and repair.



# FEATURES AND BENEFITS



**4-WAY AIRFLOW** 4-way adjustable swing louvers can direct the airflow anywhere it is needed in the room.

**WHISPER QUIET OPERATION** The Crown+ operates below typical library sound levels with sound ratings as low as 22 dB(A).

**SUBTLE APPEARANCE** The wall-mounted units are designed to blend well in any living space. The slim compact cabinet hangs inconspicuously on the wall and mixes well with most interior designs.

**UNIT DISPLAY** Crown+ wall-mounted units have an easy-to-read backlit display and indicator lights, which provide information on room set point and operating mode, among other features. The display may be turned off for your convenience.

**7 SPEED FAN** The indoor fan can operate at different speeds, up to seven, for COOL or HEAT mode to provide maximum comfort and quiet operation.

**180° VERTICAL AIR SUPPLY** Wide angle air guides enable a full 180° swing up and down for superior air distribution throughout the room.

**POWER FAILURE MODE** If the power is interrupted and returns, your comfort will not be compromised, the system will automatically return to the last operating mode.

**INTELLIGENT PREHEATING** The Crown+ series monitors the discharge air temperature, and delays the indoor fan until the coil has warmed up to prevent uncomfortable cold air blowing into the room.

**POLYMERIC AIR FILTERS** Protect your unit and improve air quality by preventing dust and debris from degrading system performance. The filters are washable and permanent for your convenience.



# CONTROLLER FEATURES

**WIRELESS RF REMOTE CONTROLLER** The multi-functional hand-held RF wireless controller is sleek, ergonomically designed and easy to use with a large LCD display.

**TIMER** The unit may be programmed to turn ON or OFF after a selected time.

**I FEEL MODE** Senses the room temperature from the remote control (cooling mode only) which is closest to you, instead of at the indoor unit. This means that it will adjust airflow and temperature for maximum personal comfort.

**PRIVACY LOCK MODE** Hand held remote controllers feature a privacy lock to prevent unauthorized access to system settings.

## CONTROL THE COMFORT WITH YOUR SMARTPHONE

For the ultimate in convenience, the Crown+ has Universal WIFI and smartphone control. Simple and easy, allowing you to adjust comfort levels from anywhere you have WIFI access through your smartphone. The system is compatible with devices using standard Android or IOS operating systems.

**SLEEP MODE** The Crown+ provides three sleep mode options that automatically adjust the room's temperature. The slight shift in temperature will not affect your comfort level but it will significantly save in energy consumption.

**FAHRENHEIT °F / CELSIUS °C** The Crown+ controllers can be programmed to display the temperature reading in °F or °C.

# SYSTEM FEATURES

**AGENCY LISTINGS** All systems are listed with AHRI (Air Conditioning, Heating, and Refrigeration Institute) and are ETL Certified per UL Standards.



**5 YEAR LIMITED WARRANTY** Enjoy one of the most comprehensive warranties in the industry with 5-year on parts coverage.

MODEL		CROWN09HP230V1B	CROWN12HP230V1B	CROWN18HP230V1B
System Type		Heat Pump		
<b>SYSTEM PERFORMANCE</b>				
Cooling Capacity (min-max)	Btu/h	9,000(1535-12966)	12,000(2900-15354)	18,000(4436-21496)
Heating Capacity (min-max)	Btu/h	9,000(2388-13648)	13,000(3071-18766)	19,000(3753-24566)
SEER/EER		30.5/15.7	23/12.7	21/12.5
HSPF/COP		10.5/4.2	10.5/3.1	10.5/3.1
Energy Star®		Yes		
Cooling Temperature Range	°F	0-129	0-129	0-129
Heating Temperature Range	°F	-22 - 75	-22 - 75	-22 - 75
<b>INDOOR UNIT</b>				
Air flow (min-max)	CFM	206 - 412	265 - 471	324 - 530
Sound Level (min-max)	dB(A)	22 - 41	23 - 42	26 - 48
Dehumidification	pt/hr	1.7	3.0	3.8
Indoor Unit Dimension (WxHxD)	in	37.8×12.6×8.1	37.8×12.6×8.1	37.8×12.6×8.1
Indoor Package Dimension (WxHxD)	in	41.1×15.9×13.1	41.1×15.9×13.1	41.1×15.9×13.1
Indoor Weight (Net/Gross)	lbs	31/37	31/37	31/37
<b>OUTDOOR UNIT</b>				
Compressor Type		G-10 Inverter Driven 2-Stage Rotary		
Outdoor Sound Level	dB(A)	53	55	59
Outdoor Unit Dimension (WxHxD)	in	35.4×23.5×14.9	35.4×23.5×14.9	38.6×31.1×16.8
Outdoor Package Dimension (WxHxD)	in	37.3×25.4×16.5	37.3×25.4×16.5	42.6×33.7×19.2
Outdoor Weight (Net/Gross)	lbs	99/106	97/104	141/152
Refrigerant Charge - R410A	oz	49.4	49.4	70.6
Coil Type		Copper/Aluminum with BLUE FIN Coating		
<b>INSTALLATION</b>				
Line Set Size (Liquid - Suction)	in	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
Pre-Charge Length	ft	25	25	25
Max. Line Length	ft	49	66	82
Max. Elevation	ft	33	33	33
<b>ELECTRICAL</b>				
Voltage/Phase/Hertz		208-230/1/60	208-230/1/60	208-230/1/60
Rated Current Cooling	amp	2.3	3.9	6.3
Rated Current Heating	amp	2.8	5.3	7.8
MCA	amp	12	13	19
MOCP	amp	15	20	30
Interconnecting Wire		AWG 14/4		
Limited Warranty		5 Years on Parts		

Test conditions are based on AHRI 210/240. Rating conditions (cooling)- Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C). Rating conditions (heating)- Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).



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