

# CROWN

## DUCTLESS SPLIT HEAT PUMP



- ◆ World-Class Performance (up to 30 SEER)
- ◆ Infinity Heating
- ◆ Smartphone Interface
- ◆ 180° Multi-Directional Airflow



# CROWN

## DUCTLESS SPLIT HEAT PUMP

*Introducing Crown, the ultra high-efficiency Smart ductless split system from Gree, one of the world's most trusted HVAC manufacturers. With a SEER rating of up to 30.5, Crown's world-class energy efficiency will lower your utility bills without sacrificing comfort. Also featuring Infinity Heating, to provide warm reliable comfort down to -20°F.*

*Every Crown system comes with Gree's Wireless RF Remote Controller with an easy-to-read backlit display. Crown's built-in Wi Fi technology allows direct local control from Smartphones or tablets with the Gree-Smart application, 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.*



## FEATURES AND BENEFITS (OUTDOOR UNIT)

**30.5 SEER ULTRA HIGH EFFICIENCY** | SEER rating of up to 30.5 and heating season performance up to 10.5 HSPF, making it among the most energy efficient heat pump available today.

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



**INFINITY HEATING** | Technology that gives true year round comfort in cold climate by delivering 80% heating capacity at -20°F.

**VARIABLE SPEED TWO-STAGE COMPRESSOR** |

Gree's advance 2-stage compressor provides extended heating capacity at ultra-low temperature and additional cooling capacity in 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** | Cutting operation noise to a minimum, the Crown series is among the industry's quietest outdoor units.

**HEAT PUMP ADVANTAGE** | Gree heat pumps, powered by the G-10 Inverter, provide the same heating capacity as electric heat, while using as little as 1/3 of the electricity.

**RESILIENT CONSTRUCTION** | The outdoor condensing 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 System will operate from 170V to 253V (230V models) and 104V to 127V (115V models) adapting to unstable power supply areas and avoiding system failure.

**INTELLIGENT DEFROST** | Saving 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 five-minute time delay restricts compressor restarts after shutoff.

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



## FEATURES AND BENEFITS (INDOOR UNIT)

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

**WHISPER QUIET OPERATION** | The Crown will not disturb your comfort as it operates very quietly, with indoor sound levels as low as 26 dB(A).

**SUBTLE APPEARANCE** | The unit is 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 display and indicator lights, which provide information on room set point, 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 COOLING or HEATING mode, optimizing maximum comfort and quiet operation.

**180° VERTICAL AIR SUPPLY** | Wide angle air guides enables a full 180° swing up and down for superior air distribution through 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 PRE-HEATING** | The Crown series monitors the discharge air temperature, and delays the indoor fan until the coil has warmed up to prevent uncomfortable blowing cold air into the room.

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

## CONTROLLER FEATURES



**WI FI CONTROL** | Allows direct local control from Smartphones and tablets with the Gree -Smart app for a mobile lifestyle.

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



**MULTI-OPERATIONAL MODE** | The units can be set to five different operating modes: HEAT, COOL, DRY, FAN ONLY and AUTO.

*Note: AUTO MODE has fixed setpoints of 68° F heating and 78° F cooling, which are not changeable. The system will automatically select heating or cooling to maintain room temperature within this temperature band.*

**TIMER** | The unit may be programmed to turn ON or OFF after a selected time period. The time period can be adjusted between one half hour and 24 hours.

**I FEEL MODE** | Sense the room temperature from the remote control which is closest to you, instead of the indoor unit. This means that it will adjust for airflow and temperature for maximum personal comfort.

**PRIVACY LOCK MODE** | Wireless controllers feature a privacy lock to prevent unauthorized access that can tamper system settings.

**SLEEP MODE** | The Crown has three sleep modes that automatically adjust the room's temperature during your sleep. The slight shift in temperature in these models will not affect your comfort level but it will significantly save in energy consumption.

**FAHRENHEIT ° F / CELSIUS ° C** | The wired and wireless 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.



**5/7 YEAR LIMITED WARRANTY** | Enjoy one of the most comprehensive warranty in the industry. Seven (7) years on compressor and Five (5) years.





# CROWN DUCTLESS SPLIT HEAT PUMP

Model		 CROWN09HP230V1A	 CROWN12HP230V1A	 CROWN18HP230V1A
System Type		Heat Pump		
Power Supply		208-230V / 60Hz	208-230V / 60Hz	208-230V / 60Hz
Rated Current (A) Cooling	Amps	2.3	3.9	6.3
Rated Current (A) Heating	Amps	2.8	5.3	7.8
<b>System Performance</b>				
Cooling Capacity (Min-Max)	Btu/h	9,000 (1,535-12,966)	12,000 (2,900-13,000)	18,000 (4,436-19,000)
Heating Capacity (Min-Max)	Btu/h	9,000 (1,911-12,000)	13,000 (2,400-14,000)	19,000 (7,336-23,498)
SEER/EER		30.5 / 15.8	23.0 / 12.8	21.0 / 12.5
HSPF/COP		10.5/ 4.2	10.5 / 3.1	10.5 / 3.1
Dehumidication	Pts/Hr	1.7	3.0	3.8
<b>Indoor Unit</b>				
Air Flow	CFM	412/383/ 353/324/294/235/206	471/441/412/383/353/294/265	530/500/471/441/412/353/324
Sound Pressure Level	db (A)	41/38/34/30/26/24/22	42/39/35/31/27/25/23	48/43/39/35/31/28/26
Unit Dimension (WxHxD)	inches	37.8 x 12.6 x 8.1	37.8 x 12.6 x 8.1	37.8 x 12.6 x 8.1
Package Dimension (WxHxD)	inches	41.1 x 15.9 x 13.1	41.1 x 15.9 x 13.1	41.1 x 15.9 x 13.1
Net / Gross Weight	lb	31/37	31/37	31/37
<b>Outdoor Unit</b>				
Compressor Type		G-10 Inverter Driven 2-Stage Rotary		
Sound Pressure Level	db (A)	53	55	59
Unit Dimension (WxHxD)	inches	35.4 x 23.5 x 14.9	35.4 x 23.5 x 14.9	38.6 x 31.1 x 16.8
Package Dimension (WxHxD)	inches	37.3 x 16.5 x 25.4	37.3 x 16.5 x 25.4	42.6 x 19.2 x 33.7
Net / Gross Weight	lb	99/106	97/104	141/152
Refrigerant / Charge	oz	R410A / 49.4	R410A / 49.4	R410A / 70.6
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2"	1/4" - 1/2"	1/4" - 5/8"
Pre-Charge (Ft.)	feet	25	25	25
Max. Line Run (Ft.)	feet	50	66	82
Max. Elevation (Ft.)	feet	33	33	33
MCA	Amps	12	13	19
MOCP	Amps	15	20	30
Wire Size / # Wires		14 AWG / 4-Conductor		
Ambient Cooling Operating Range	°F	0 to 129		
Ambient Heating Operating Range	°F	-22 to 75		

Test conditions are based on AHRI 210/240. \*1. 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).

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or change at any time, specifications or designs without notice or without incurring obligations.

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