

# CROWN

DUCTLESS SPLIT  
HEAT PUMP



- ◆ World-Class Performance (Up to 30 SEER)
- ◆ Ultra 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 Ultra 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-home 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 11 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.



**ULTRA HEATING** | Technology that gives true year round comfort in cold climate by delivering up to 90% heating capacity at -22°F and 65°F dB(A)

**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 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 System will operate from 187V to 253V (230V models) adapting to unstable power supply areas, 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 time delay restricts compressor restarts after shutoff.

**SELF-DIAGNOSTICS** | The system has a built-in computer which uses real-time diagnostics which 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 (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 operates below typical library sound levels with dB(A) ratings 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 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, optimizing 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 the 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



**WI FI CONTROL** | Allows in-home Wi-Fi from SmartPhones and tablets with the Gree -Smart app for a mobile lifestyle.

**WIRELESS RF REMOTE CONTROLLER** | The 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.

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

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

**SLEEP MODE** | The Crown has three sleep modes that automatically adjust the room's temperature. 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 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.

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



# CROWN DUCTLESS SPLIT HEAT PUMP

MODEL		CROWN09HP230V1A	CROWN12HP230V1A	CROWN18HP230V1A
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		11.0/4.2	11.0/3.1	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		7 Years on Compressor / 5 Years on Parts		

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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