



DISCOVER THE **PREMIER GEM** OF HEATING AND COOLING



THE HALLMARK OF ELEGANCE & FUNCTIONALITY.

With the Sapphire wall mount ductless mini-splits, you can keep any room comfortable without sacrificing aesthetics. The quiet, unobtrusive design delivers advanced performance with an industry-best energy efficiency rating of up to 27 SEER2 in cooling and 11 HSPF2 in heating.

- HIGH EFFICIENCY, 27 SEER2 / 11 HSPF2
- G10 INVERTER TECHNOLOGY
- INTELLIGENT DEFROST
- SELF-DIAGNOSIS
- SIMPLE OPERATION
- COOLING 0°F TO 129°F

- Built-in WIFI
- Ultra heat down to -22°F
- Energy Star®
- High efficiency, up to 27 SEER2 / 11 HSPF2
- Precise airflow control
- Multiple fan speeds
- Intelligent preheating
- Intelligent defrost
- Low voltage start-up
- Sleek look to blend with your decor
- I-Feel function
- Privacy lock mode
- Sleep function
- Timer function
- Self-diagnosis
- Cleanable air filter



SAPPHIRE		SAP09HP230V1A*	SAP12HP230V1A*	SAP18HP230V1A*	SAP24HP230V1A*
System Type		HEAT PUMP			
SYSTEM PERFORMANCE					
Cooling Capacity (Min-Max)	Btu/h	9000 (1535 - 12966)	12000 (2900 - 15354)	18000 (4094 - 21837)	22000 (6800 - 30700)
Heating Capacity (Min-Max)	Btu/h	9000 (2388 - 13648)	12200 (3071 - 18766)	18000 (4094 - 24566)	24000 (6800 - 32000)
SEER2 / EER2		27 / 16.6	24 / 14	22 / 13.5	21.5 / 13
HSPF2 / COP		11 / 4.3	8.5 / 3.8	10 / 3.5	9.5 / 3.5
Energy Star®		YES	YES	YES	YES
Cooling Temperature Range	*F	0 - 129	0 - 129	0 - 129	0 - 129
Heating Temperature Range	*F	-22 - 75	-22 - 75	-22 - 75	-22 - 75
Refrigerant Type		R410A			
INDOOR UNIT DATA		SAP09HP230V1AH	SAP12HP230V1AH	SAP18HP230V1AH	SAP24HP230V1AH
Air Flow (Min-Max)	CFM	206 - 424	235 - 500	353 - 736	383 - 824
Sound Pressure Level (Min-Max)	dB(A)	19 - 46	22 - 49	34 - 51	34-54
Dehumidification	pt/hr	1.69	2.96	3.80	4.23
External Dimensions (W x H x D)	in	39 7/8 x 12 1/8 x 8 3/4	39 7/8 x 12 1/8 x 8 3/4	44 3/16 x 13 x 9 13/16	44 3/16 x 13 x 9 13/16
Package Dimension (W x H x D)	in	42 7/16 x 14 13/16 x 11 13/16	42 7/16 x 14 13/16 x 11 13/16	46 7/8 x 16 x 13 3/16	46 7/8 x 16 x 13 3/16
Weight (Net / Gross)	lbs	29.8 / 36.4	29.8 / 36.4	36.4 / 44.1	35.3 / 41.9
OUTDOOR UNIT DATA		SAP09HP230V1AO	SAP12HP230V1AO	SAP18HP230V1AO	SAP24HP230V1AO
Compressor Type		GREE G-10 / 2 - STAGE INVERTER			
Sound Pressure Level	dB(A)	57	53	59	59
External Dimensions (W x H x D)	in	35 13/32 x 23 1/2 x 14 7/8	35 13/32 x 23 1/2 x 14 7/8	38 5/8 x 31 1/8 x 16 13/16	38 5/8 x 31 1/8 x 16 13/16
Package Dimension (W x H x D)	in	37 3/16 x 24 13/16 x 16 7/16	37 3/16 x 24 13/16 x 16 7/16	42 1/2 x 33 1/8 x 19 1/8	42 1/2 x 33 1/8 x 19 1/8
Weight (Net / Gross)	lbs	99.2 / 105.8	99.2 / 105.8	141.1 / 152.1	147.7 / 158.8
REFRIGERANT PIPING					
Refrigerant Charge - R410A	oz	50.4	49.4	70.6	81.1
Additional Charge	oz/ft	0.2	0.2	0.5	0.5
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
Pre-Charge Length	ft	25			
Pipe Length (Min - Max)	ft	10 - 49	10 - 98	10 - 131	10 - 164
Max. Pipe Elevation	ft	33	49	66	98
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz			
Voltage Range (Min - Max)	VAC	187-253			
Rated Current - Cooling	A	6.2	6.5	10.8	16.4
Rated Current - Heating	A	6.9	6.9	10.8	16.4
MCA	A	9	9	22	22
MOCP	A	15	15	30	35
Main Power Wire Size	AWG	Per Local Code			
Interconnecting Wire Size	AWG	14 / 4			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			