



# Ductless Single Zone Heat Pump

## HPG Series

### Performance up to



Cooling



Heating

### Up to



## Features

### Operation mode

- Cooling, heating, dehumidifying, fan and auto.

### Nominal capacity

- 9000, 12000, 18000, 24000 BTU/hr.

### Voltage

- 115V, 230/208V, 60 Hz, 1-phase.

### Indoor unit

- High wall installation, dual side connection.
- Plastic housing, standard white.
- Cross-flow fan with selectable speed from 3 operation modes.
- Evaporator fins covered with hydrophilic coating for improved corrosion resistance.
- Washable filters.

### Outdoor unit

- Variable speed rotary compressor (INVERTER), with PCB control protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Quiet axial-flow fan.
- Multi-hole pan with smart heater to prevent ice formation.
- Compressor blanket and preheating technology.

### Connection piping

- Minimum piping length of 10 ft. (3 m).
- Flared connections.

### Control

- Wireless remote included.
- Temperature display format: °C or °F.

### Warranty

- 1-year basic warranty on parts and 5-year basic warranty on the compressor (labor not included).

### Application

- Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.

## Features and functions



### Smart Pan Heater

Prevents ice formation in the base pan of the outdoor unit.



### Compressor Blanket and Preheating Technology

Keeps the oil inside the compressor warm and prevents it from mixing with the refrigerant.



### Anti-Corrosion Fin Coating

Condenser and evaporator fins are covered with a hydrophilic coating for greater corrosion resistance – a clear advantage for people living in coastal regions.



### Refrigerant Leakage Detection

The indoor unit will display "EC" when the outdoor unit detects refrigerant leakage.



### Smart Defrosting

Provides greater comfort and energy savings by eliminating unnecessary defrost cycles.



### Smart Preheating

The system delays turning on the fan in heating mode to avoid blowing cold air out at startup.



### Auto Restart

In case of power failure, user selection and system parameters are stored in non-volatile memory. The system will automatically return to the last operating mode when power resumes.



### Auto-Clean

Keeps the indoor unit dry to prevent mold growth.



### Self-Diagnosis

A microcomputer monitors the system and turns the unit off if abnormal operation is encountered. An error code will be displayed on the indoor unit to facilitate maintenance.



### Turbo Mode

The unit operates at super high speed to achieve quick cooling or heating.



### Up & Down Swing

Can be used to select oscillating angles for the vertical louvers.



### Timer

Allows you to program the time you want the unit to start and stop over a 24-hour period.



### Sleep Mode

This function can be used to gradually increase or decrease room temperature.



### Silence Function

The unit will operate at low frequency and the fan at the lowest speed to reduce noise level.

## Models

Product # <sup>1</sup>	Indoor Unit Outdoor Unit	HPG-ET09K1CH19S-I HPG-ET09K1CH19S-O	HPG-ET12K1CH19S-I HPG-ET12K1CH19S-O	HPG-ET18K2CH19S-I HPG-ET18K2CH19S-O	HPG-ET24K2CH20S-I HPG-ET24K2CH20S-O	
<b>Technical Performance</b>						
Voltage		Volts	115	115	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	7034 (24000)
Heating capacity	Nominal	W (BTU/hr)	2930 (10000)	3605 (12300)	5715 (19500)	7150 (24400)
Used cooling power input	Nominal	W	840	1130	1840	2360
Used heating power input	Nominal	W	810	1090	1730	2230
Cooling rated current		A	7.4	10.2	8.2	11
Heating rated current		A	7.2	9.6	7.7	10.5
SEER (SEER2)		-	19	19	19	20
HSPF (HSPF2)		-	7	7.2	7	7
EER		W/W	10	10	9.4	9
COP		W/W	3.41	3.21	3.21	3.01
AHRI number		-	211698474	211698475	211698477	211756655
<b>Indoor Unit</b>						
Dehumidification		l/hr	1.1	1.6	2.2	2.6
Air flow volume		cfm	353/288/250	383/318/253	606/465/429	847/700/641
Sound level		dB (A)	41/39/34/29/26	42/39/34/29/27	50/48/43/38/32	51/48/43/38/35
Fan motor power output		W	20	20	45	45
Net weight		lb (kg)	19.8 (9)	19.8 (9)	28.7 (13)	36.4 (16.5)
Product dimensions	L x H x D	in.	31 15/16 x 8 1/16 x 11 1/2	31 15/16 x 8 1/16 x 11 1/2	39 3/4 x 8 5/8 x 12 3/8	46 15/16 x 10 1/4 x 14 1/8
		mm	811 x 205 x 292	811 x 205 x 292	1010 x 220 x 315	1192 x 260 x 360
Packaging dimensions	A x B x C	in.	34 7/8 x 14 6/16 x 10 15/16	34 7/8 x 14 6/16 x 10 15/16	43 3/16 x 15 3/8 x 11 13/16	49 13/16 x 17 1/8 x 13 1/4
		mm	886 x 365 x 278	886 x 365 x 278	1097 x 390 x 300	1265 x 435 x 337
<b>Outdoor Unit</b>						
Air flow volume		cfm	1324	1324	1765	2235
Sound level		dB (A)	51	52	54	58
Motor type		-	DC	DC	DC	DC
Fan motor power output		W	33	33	33	85
Net weight		lb (kg)	48.5 (22)	55 (25)	70.5 (32)	89.3 (40.5)
Operating ambient temperature	Cooling	°C (°F)	-15 to 50 (5 to 122)			
	Heating	°C (°F)	-20 to 30 (-4 to 86)			
Product dimensions	L x H x D	in.	28 1/8 x 19 5/8 x 11 7/16	28 1/8 x 19 5/8 x 11 7/16	30 11/16 x 23 13/16 x 13 1/4	33 1/4 x 27 1/2 x 15
		mm	715 x 498 x 290	715 x 498 x 290	780 x 605 x 349	845 x 700 x 380
Packaging dimensions	A x B x C	in.	32 3/8 x 12 13/16 x 21 3/16	32 3/8 x 12 13/16 x 21 3/16	35 x 15 3/16 x 25 3/8	37 6/16 x 16 1/2 x 29 1/2
		mm	822 x 325 x 538	822 x 325 x 538	889 x 386 x 644	949 x 419 x 749
<b>Connection Piping/Refrigerant</b>						
Pre-charge length		ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional refrigerant charge		oz/ft. (g/m)	0.22 (20)	0.22 (20)	0.22 (20)	0.22 (20)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8	3/8	1/2
Maximum height difference		ft. (m)	33 (10)	33 (10)	49 (15)	49 (15)
Maximum total length		ft. (m)	50 (15)	50 (15)	65 (20)	65 (20)

<sup>1</sup> 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

