



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

- 5-year basic warranty on parts and 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 louvres.



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 # ¹	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	
Technical Performance						
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)	-	7.8	7.8	7.8	8.5	
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	
Indoor Unit						
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
Outdoor Unit						
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
Connection Piping/Refrigerant						
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)	

¹ 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

