

# Ductless Systems: A convenient - and economical! - solution

You've heard about it - mini-splits are a very practical and energy-efficient option for cooling and heating a small space or an entire home.

A ductless system consists of a wall-mounted indoor unit combined with an outside condensing unit. These units do not require a window and connect via two small refrigerant lines that fit through a small wall penetration. Unlike traditional systems, mini-splits require no ducting which reduces installation cost and eliminates air leakage.

Ductless systems are extremely energy-efficient. Regular air conditioners lose lots of energy as air travels through the duct system to reach its destination. No ducts means a more efficient system. Ductless models also feature inverter-driven compressors, which modulate their output up and down based on the needs of the conditioned space instead of shutting off entirely as do traditional HVAC systems.

## Main Features

### Auto-Restart

If the unit loses power, it will automatically restart with the prior settings once power has been restored.

### Wireless Control\*

Wireless control allows you to control your air conditioner using your mobile phone and a wireless connection. For the USB device access, replacement, maintenance operations must be carried out by professional staff.

### Anti-mildew\*

When turning off the unit from COOL, AUTO (COOL), or DRY modes, the air conditioner will continue to operate at very low power to dry up condensed water and prevent mildew growth.

### Air Filter Cleaning Reminder

After 240 hours of use, the "run" & "timer" indicator lamps on the indoor unit will flash simultaneously and the display window on the indoor unit will flash "CL" (if applicable). This is a reminder to clean your filter.

### Refrigerant Leakage Detection\*

The indoor unit will automatically display "EC". The "timer" indicator light turns off and the "run" indicator light flashes 7 times when the unit detects refrigerant leakage.

### Louver Angle Memory\*

When turning on your unit, the louver will automatically resume its former angle.

### Air Filter Replacement Reminder

After 2,880 hours of use, the "run" & "timer" indicator lamps will flash simultaneously for 10 times, then remain on for five seconds. The display window on the indoor unit will flash "nF"(if applicable). This is a reminder to replace your filter.

### Heat Pump\*

For climates with moderate heating needs, heat pumps offer an energy-efficient alternative to electric heating. The outside unit circulates refrigerant that absorbs heat from the ambient air and transfers the heat to the interior of the home. Heat pumps can reduce your energy bill without any loss in comfort level.



## Specifications

Indoor		DHP12AE17Q	DHP12BE17Q	DHP18BE17Q	DHP24BE17Q	DHP36BE17Q
Outdoor		DHP12AC17Q	DHP12BC17Q	DHP18BC17Q	DHP24BC17Q	DHP36BC17Q
<b>Power supply (Ph-V-Hz)</b>		115V-60HZ,1Ph	208-230V-60HZ,1Ph	208-230V-60HZ,1Ph	208-230V-60HZ,1Ph	208-230V-60HZ,1Ph
<b>Cooling</b>	Capacity (Btu/h)	12000	12000	18000	23000	34000
	Input (W)	1200	1200	1800	2400	4040
	Rated current (A)	11.4	5.6	8.3	11.1	16.0
	SEER 2 (Btu/w)	20	17	19	18.5	16.5
<b>Heating</b>	Capacity (Btu/h)	12500	12300	18400	24000	34000
	Input (W)	1100	1120	1700	2200	3800
	Rated current (A)	10.2	5.2	7.9	10.2	15.7
<b>Compressor</b>	Type	Rotary	Rotary	Rotary	Rotary	Rotary
	Brand	GMCC	SANYO	GMCC	GMCC	GMCC
<b>Indoor noise level (Hi/Mi/Lo) dB(A)</b>		42/36/30	42/36/30	46/39/32	49/40/34	53/45/37
<b>Indoor unit</b>	Dimension (W*D*H - inch)	34.4x11.5x8	30.9x11.4x7.8	36.7x12.3x8.7	44.1x12.9x12.9	49.2x14.2x10
	Packing (W*D*H - inch)	38.1x14.4x11.1	34.6x14.4x11.3	39.4x15x12.1	47x15.6x12.4	47.6x15.7x12.9
	Net/Gross weight (lbs.)	23/26	18/23	26/31	31/37	35.3/48.5
<b>Outdoor noise level dB(A)</b>		50	52	53	55	60
<b>Outdoor unit</b>	Dimension (W*D*H- inch)	28.5x21.3x11.1	28.5x21.3x11.1	31.2x21.3x12.3	32.2x25.8x12.1	35.4x27.6x13.8
	Packing (W*D*H - inch)	33.2x14.4x24.2	33.2x14.4x24.2	35.9x15.6x24.2	36.9x17x28.3	40.2x16.9x30.3
	Net/Gross weight (lbs)	57/68	62/71	77/88	93/104	127.9/141.1
<b>Refrigerant</b>		R32	R32	R32	R32	R410A
<b>Refrigerant piping</b>	Liquid side/ Gas side	1/4 / 1/2	1/4 / 1/2	1/4 / 1/2	1/4 / 5/8	1/2 / 5/8
	Max. refrigerant pipe length	82	82	82	82	82
	Max. difference in level	33	33	49	49	49
<b>Qty'per 20'/40'/40'HQ (set)</b>		250	239	194	148	126

## ZENAIRE INVERTER DUCTLESS SYSTEM



High technology.  
Affordable price.  
No sweat.

