

Room Heat Pumps

Cooling and Heating in a Small Package

Room heat pumps are low cost, easy to install products that deliver powerful cooling, and have the added advantage of providing supplemental heating when the temperatures fall. They come in multiple configurations which are easy to install. They're a great way to increase comfort for most of the year and reduce your reliance on gas or expensive electric baseboard heating. And since they're portable, they're a wonderful solution for renters.



Four Things to Know About Room Heat Pumps:

1. Room heat pumps are DIY-installed, self-contained products
2. They can heat and cool individual rooms or small apartments
3. They heat twice as efficiently and produce 3 times the heat output of space heaters
4. Current models only provide heating when the outdoor temperature is over 40°F

Currently Available Room Heat Pumps

- Usually sold as Air Conditioner with Supplemental Heat
- Typical Cost is \$500-\$800
- Powerful cooling, heating, de-humidifying
- Twice as efficient as electric resistance heating and 3 times the heat output
- Standard 120V plug in - no special wiring required
- Do not provide heat when outside temps fall below 40° F



Window Mounted

- Sits inside window opening
- Vertical sliding windows only
- Screwed to window frame
- May need external support
- Window not operable once installed
- Unit blocks view through window
- Large window sealing area
- 120V and 240V models - be sure to buy the right one!
- Avoid models with electric resistance heat, which only produce 3500BTU/hr versus 10,000BTU/hr for heat pump models



Saddle Mounted

- Straddles external wall
- Vertical sliding windows only
- No permanent fixtures
- Window remains operable once installed
- Does not block view
- Quieter – the condenser is outside
- Much smaller window sealing area
- Wall thickness limitations - check before you buy!



Portable

- Entire unit is inside
- Window kits work with vertical and horizontal sliding windows
- Large window sealing area
- No permanent fixtures required
- Easiest installation
- Window remains operable once installed
- Single and dual hose models
- Dual hose prevents negative pressure – more efficient
- Single hose models are not recommended
- Condensate created in heat mode
- Models with on-board drain pumps are recommended

120V Room Heat Pump Model Comparison

Window Mounted



Midea
MAW12HV1CWT



Keystone
KSTAW08INV-HC



Keystone
KSTAW12INV-HC



Frigidaire
FHHW124WB2

Saddle Mounted



Soleus
WS5-10HW-301



Soleus
WS5-12HW-301

Portable **



Midea Duo
MAP14HS1TBL



Cooper Hunter
CH-STLS-14AC



Whynter
ARC-122DHP

	Window Mounted				Saddle Mounted		Portable **		
Room Size	550	350	550	550	475	550	550	550	400
Price*	\$499	\$526	\$529	\$659	\$699	\$799	\$699	\$568	\$499
Cooling BTU/hr	12,000	8,000	12,000	12,000	10,000	12,000	14,000	14,000	12,000
CEER	13.3	14.5	13.3	10.9	13	13	10.8	8.9	6.9
Heating BTU/hr	10,000	7,000	10,000	11,000	10,000	10,000	12,000	12,000	10,000
Energy Star	Yes	Yes	Yes	No	No	No	No	No	No
Inverter	Yes	Yes	Yes	?	Yes	Yes	Yes	Yes	?
Min Oper Temp	41°F	41°F	41°F	40°F	40°F	40°F	40°F	40°F	45°F
Drain Pump	NA	NA	NA	NA	NA	NA	Yes	Yes	Yes
Refrigerant	R32	R32	R32	R32	R32	R32	R32	R32	R32

* Prices as of 8/24 – actual prices may vary

** Only dual hose models with a drain pump are listed due to greater efficiency and convenience