



Worlds Most Efficient Portable Air Conditioner

Get up to twice the capacity and save 50% or more in electricity usage. The Climax delivers a full rated capacity of 12,000 BTU at temperatures of 95F outdoors (AHRI Test Conditions).

Features:

- Δ 1-Ton of REAL Cooling
- Δ Dual Hose Design
- Δ Hi-SEER DC Inverter Compressor
- Δ No Drain Needed
- Δ Whisper Quiet & Long-Lasting
- Δ 7-Year Limited Warranty
- Δ Cools & Dehumidifies
- Δ Eco-Friendly R410a Refrigerant

Additional Features:

- Δ Automatic Sleep Timer
- Δ Eco-Mode for More Savings
- Δ Dehumidification 1.2 Liters /Hour
- Δ Strong Air Flow 244 CFM
- Δ Digital LED Display & Remote
- Δ Simple Plug-N-Play 120v Installation

Dual Hose Design:

This means that COOL, Fresh indoor air stays inside with no wasted cooling.

DC Inverter Compressor:

This is the most efficient , long lasting compressor made today and found in most high-end air conditioners. The Climax VS12 Is the first portable air conditioner in the world with a DC Inverter Compressor.

No Drain Needed:

The Climax can remove a huge amount of water from the air, and it evaporates out the exhaust duct to the outdoors.

UL 484 / CSA 22.2 / TUV



Certified by California Energy Commission



Uses 50% Less Electricity

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Get TWICE the COOLING On a Hot Day

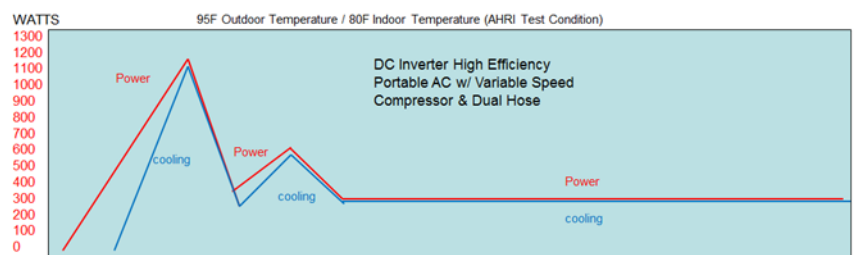
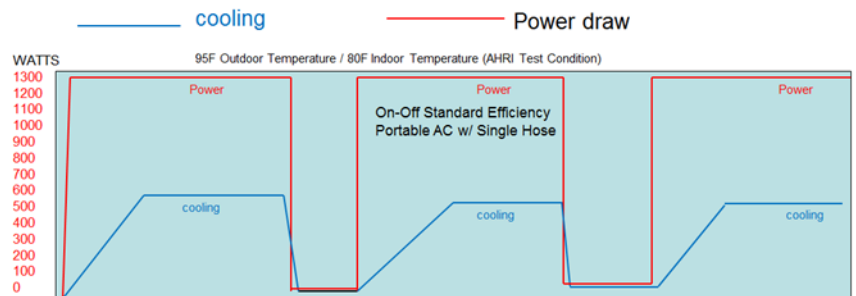


Climax VS12 - 12,000 BTU

Climax is the first-ever portable air conditioner with a DC Inverter Compressor, it saves 30-40% in operating power costs while running quieter and lasting much longer than any other portable.

The Climax DC Inverter AC unit can speed up or slow down to precisely match the cooling load and avoid wasteful on-off cycling. The Climax portable is always exactly the right size for the job.

The power consumption charts below compare a DC Inverter unit to a standard on-off unit.





Climax VS12 - World's First DC-Inverter Portable Air Conditioner

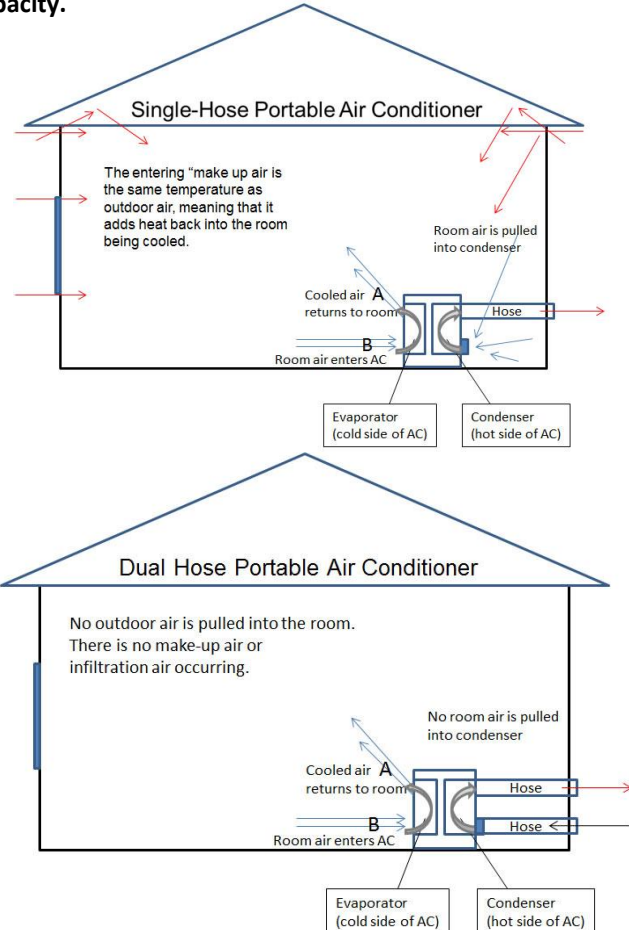
Climax's variable capacity, DC Inverter Compressor and high efficiency, dual hose design combine for the world's most efficient portable air conditioner. The Climax is capable of using up to 67% less energy for our promised amount of cooling.

Why a Dual-Hose Matters. Shown below is a comparison of single and dual hose design.

Red arrows show how hot outdoor air is pulled inside through existing leaks, cracks and joints in doors, windows, outlets, floors and ceilings by single hose designed portables that create negative pressure inside.

Blue arrows show cooled indoor air. The "hose" is the hot exhaust air duct hose. As indoor air is blown outdoors through the exhaust air duct hose, indoor air pressure drops slightly, causing replacement air (hot outdoor air) called "infiltration air" to be drawn in from the outdoors. **See chart top-right** for the effect that hot infiltration air has on portable BTU capacity.

Our dual-hose design eliminates this problem and allows the system to operate at its full rated BTU capacity.



Single Hose Portable AC / 250 CFM Air Flow		Rated Capacity		Real Net Capacity	
Indoor Temperature (F)	70	12,000			
Outdoor Temperature (F)	76	12,000	btu	10380	btu
	78	12,000	btu	9840	btu
	80	12,000	btu	9300	btu
	82	12,000	btu	8760	btu
	84	12,000	btu	8220	btu
	86	12,000	btu	7680	btu
	88	12,000	btu	7140	btu
	90	12,000	btu	6600	btu
	92	12,000	btu	6060	btu
	94	12,000	btu	5520	btu
96	12,000	btu	4980	btu	
98	12,000	btu	4440	btu	
100	12,000	btu	3900	btu	

Dual Hose Design:
No cool, indoor air goes outside.
No hot, humid outdoor air leaks inside.
Go to: www.climax-air.com for the complete table.

Table 1

VS12 Specifications

Climax Air Model		VS12
Power Supply		Ph-V-Hz 1PH,110-130V,60Hz
Cooling	Capacity	Btu/h 12000
	Input	W 1100
	Current	A 9.86
	EER	W/W 3.2
	0	Btu/W.h 10.9
Moisture Removal	0	L/h 1.2
Max Rated Input	0	W 1100
Max Rated Current	0	A 9.86
Starting Current	0	A 2
Compressor	Type	DC INVERTER ROTARY
	Brand	TOSHIBA GMCC
Max Input	Max Input	W 870
	Rated current (RLA)	A 4.6
	Locked rotor Amp(LRA)	A 21
	Capacitor	uF N/A
Refrigerant oil	ml	ESTER OIL VG74/350
Evaporator	a.Number of rows	3
	b.Tube pitch(a)x row pitch(b)	mm 21x13.37
	c.Fin spacing	mm 1.3
	d.Fin type (code)	Hydrophilic aluminium
	e.Tube outside dia.and type	mm Φ7, innergroove tube
	f.Coil length x height x width	mm 270x231x40.11
	g.Number of circuits	2
Indoor side air flow (Hi/Mi/Lo)	m3/h 415	
Indoor side noise level (Hi)		CFM 244
		dB(A) 55
Condenser	a.Number of rows	3
	b.Tube pitch(a)x row pitch(b)	mm 19.5x11.6
	c.Fin spacing	mm 1.2
	d.Fin type (code)	UnHydrophilic aluminium
	e.Tube outside dia.and type	mm Φ5,innergroove tube
	f.Coil length x height x width	mm 285x312x34.8
	g.Number of circuits	2
Outdoor fan motor	Model	YSK80-4E
	Brand	Welling
	Input	W 154/115
	Capacitor	uF 15
Outdoor side noise level (Hi)		r/min 1310/-/1070
		dB(A) 57.5
Plug type		14#x3 / LCDI
Plug Face (NEMA#)		5-15P
Power Cord Length (mm.)		2000
Power Cord Length (ft.)		6.56
Control type		Remote control
Operation temp (Room temp.)		°C 17-35/----
		°F 62°F~95°F/---
Application area		ft2 450-550
Dimension (W*D*H)		mm 374x370x769
		in 14.7x14.6x30.3
Net weight		Kg 29/33
		lb 61.6/70.4