What should I look for first when purchasing a portable air conditioner?

The right air conditioner helps you cool a room efficiently. An undersized unit won't cool adequately while one that's too large will not remove enough humidity, leaving the air feeling damp. To find the proper air conditioner, determine the square footage of the room you want to cool by multiplying the room length by its width. You also need to know the air conditioner's BTU (British Thermal Unit) rating, which indicates the amount of heat it can remove from a room. A higher Why is the cooling capacity lower on newer models than on older units? number means more cooling power for a larger room. (Be sure you are comparing only newer models to each other- older models may appear to have a higher capacity, but are actually the same). Be sure to "size up" if your portable air conditioner will be placed in a very sunny room, in a kitchen, or in a room with high ceilings. After you've found the right cooling capacity for your room, you can look at other features.

Why is the cooling capacity lower on newer models than on older units?

Federal regulations require manufacturers to calculate cooling capacity based on a specific test procedure, which was changed just this year. Models manufactured before 2017 were tested under a different procedure and cooling capacity is measured differently than in prior years'models. So, while the BTUs may be lower, the actual cooling capacity of the air conditioners has not changed.

What is SACC ?

SACC is the representative value of Seasonally Adjusted Cooling Capacity, in Btu/h, as determined in accordance with the DOE test procedure at title 10 Code of Federal Regulations (CFR) 430, subpart B, appendix CC and applicable sampling plans.

TECHNICAL DATA	
Model:	ARC-102CS
Operational Modes:	Air conditioner, Fan or Dehumidifier
Cooling Capacity (SACC):	7000 BTU
Coverage Area:	300 sq. ft.
Dehumidifying Capacity:	68 pints / day
Fan Speed:	2 Fan Speeds (High, Low)
Filters:	Activated Carbon Filter and washable pre-filter
Thermostat Control Range:	62° - 86°F
Timer:	24 hour programmable timer
Noise Level:	<51 dBA
Extendable Hose:	59″
Window Kit Length:	Minimum: 26.5″ Maximum: 48″
Refrigerant:	R32
Air Flow (at high speed):	350 m^3/h / 206 CFM
Maximum Power Consumption:	1110W/ 9.8A
Power Supply:	115 V / 60Hz
CEER | EER:	6.9 | 9.55
Unit Dimensions:	14″ W x 14″ D x 28″ H
Package Dimensions:	15″ W x16″ D x35″ H
Net Weight:	53 lbs
Gross Weight:	62 lbs