

RELIABLE. EFFICIENT.

ICE Air

**PORTABLE COOLING
SYSTEMS**

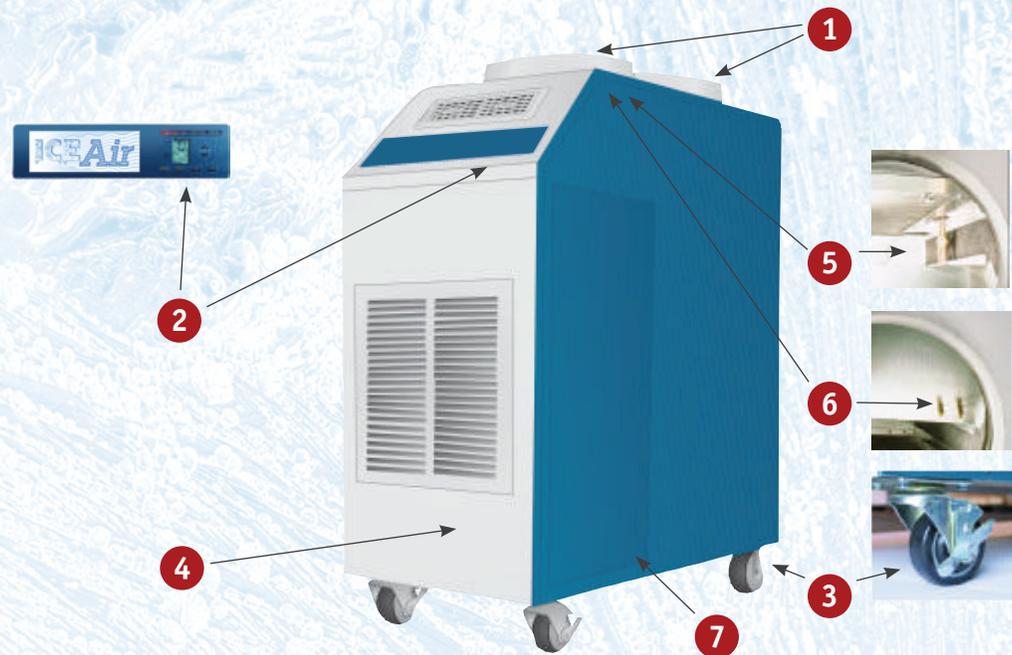
Get ICE AIR and cool down fast!

ICE AIR's innovative designs have continuously redefined the portable cooling industry. In fact, ICE AIR has made advances that were never thought possible, such as the development of 1 1/2-ton and 2-ton units in 115v. Both run on 20 amp circuits.

The KPAC is our entry-level product with basic features to cool non-critical applications. The Strategic Air Center is available in capacities of 1 to 10 tons and in a unitary package (SAC), a Split System (SPLAC), and a Water-Cooled (SWAC) configurations.

ICE AIR STANDARD FEATURES

FLEXIBILITY, INNOVATION, VALUE, PERFORMANCE...



- 12,000-120,000 BTU/H (1-10 ton) capacities
- **Up to 2-ton in 115V**
- Wide Operating range of 60°F-110°F
*KPAC unit – 70°F-105°F
- ETL and CETL listed to UL and CSA standards
- Air-cooled and water-cooled models
- 1 Air-cooled models have the exclusive I/O Integral Condenser where both inlet and outlets are ductable, without costly and bulky add-on kits
- Water-cooled models are equipped with a coaxial counter flow condenser combined with an automatic water control regulating valve.
- 2 Multi-function remote-ready microprocessor control with a large, easy-to-read LCD Display. Easy-touch control pads make changing system settings a snap.
- Available with infrared remote control with wireless remote temperature sensing.
- Audible alarm and LCD visual display readout for condensate tank full and for system function alarms
- Input/Output Alarm Contacts
- *Internal high lift condensate pumps and a 5- gallon reservoir tank for total condensate flexibility. Both have overflow protection.
- *Auto speed automatically sets fan speed based on heat load demand (not available on single speed models).
- Heavy duty compressors with automatic restart and short cycle protection.
- Motors and compressors have overload protection.
- High-pressure safety with manual reset.
- *Low-pressure safety with automatic reset.
- Automatic freeze protection.
- 3 Heavy-duty locking casters.
 - Rifle tube coils for efficient heat transfer.
- 4 Fully insulated, heavy duty galvanized steel cabinet with a scratch-resistant attractive two-tone epoxy protective finish for optimum durability, efficiency, low maintenance and quiet operation.
- 5 *Sight glass with moisture indicator.
- 6 Easy access suction and liquid shreader service ports.
- 7 Easy access service door.
 - *Low Ambient Controls
 - *Fan cycling
- All units are designed to fit through standard size doors

**Indicates features not available on KPAC series*

WHO USES ICE AIR?

AIRCRAFT, MANUFACTURING PROCESSES, OFFICES,
CHEMICAL PLANTS, TENTS, SCHOOLS, COMPUTER ROOMS

Building Maintenance - Office Building

Whenever we have a problem with our building's cooling systems, we use ICE AIR to provide our tenants with temporary cooling until we are able to get our primary systems back on line.

Data Processing Manager - Internet Provider

We had a 2-ton spot cooler in our server room. This unit ran continuously and never caught up. It stayed over 85°F all the time. Our contractor installed a ICE AIR 2-ton Strategic Air Center, and it started cycling after about 10 minutes of running. Our room has never been the same.

Mechanical Engineer - Engineering Firm

In the past, we have specified spot coolers for use in small critical application areas with less than satisfactory results. The ICE AIR Strategic Air Center is truly a well-thought-out and refined piece of equipment with all of the necessary controls and features to perform excellently in almost any environment, especially critical ones. ICE AIR has definitely changed our minds about portable air conditioning. Now, we only specify ICE AIR.

Physical Plant Superintendent - Hospital

We have new high-tech equipment being added every other day in our operating rooms. Our facilities were not designed for the heat loads in these areas. We added ICE AIR Strategic Air Centers at a fraction of the cost of retrofitting a new system, which gave us great flexibility.

FEATURES:

	SAC
I/O Integral Condenser	Standard
Remote Control Capability	Standard
Expansion Device	TXV
Thermostatic Controls	Microprocessor
Freeze Protection	Hot Gas Bypass
High Pressure Switch	Standard
Low Pressure Switch	Standard
Auto Restart	Standard
Short Cycle Protection	Standard
Low Ambient Controls	Standard
Externally Accessible Service Ports	Standard
Sight Glass	Standard
Filter Dryer	Standard
Fan Cycling	Standard
Independent Evap & Condenser Motors	Standard
High Lift Condensate Pump	Standard
Easy Access Service Door	Standard
Rifle Tube Coils	Standard
Audible Alarm	Standard
LCD Visual Alarm Display	Standard
Touch Pad Controls	Standard

Which ICE AIR do I need?

ICE AIR's vast selection of products and sizes allow customers to *custom* fit their application with one of ICE AIR's standard units.

ICE AIR's Portable Air Conditioner (KPAC) Series is an economical solution to cool applications where minimum refrigeration controls are required. Spot cooling, supplemental cooling and emergency cooling are but a few of the KPAC's uses.

ICE AIR's Strategic Air Center "This product line can solve most any cooling challenge." The SAC's wide operating ranges, sophisticated controls and vast list of standard features provide a system that can literally function in any environment. All of the SAC series units are designed to go 24-7 and provide a high level of protection for electronic equipment and critical processes. Available in aircooled (SAC), split (SPLAC), and water-cooled (SWAC) models and in sizes from 1 to 10 tons; up to 2 tons in 115V for easy installation.

A few of many applications for ICE AIR Cooling Systems

- Primary Cooling
- Computer Rooms
- Telecommunications Room
- Supplementary Cooling
- Factory Zones
- Back-up Applications
- Construction/Building
- Offices
- Hospitals
- Laboratories
- Classrooms
- Construction Site Trailers

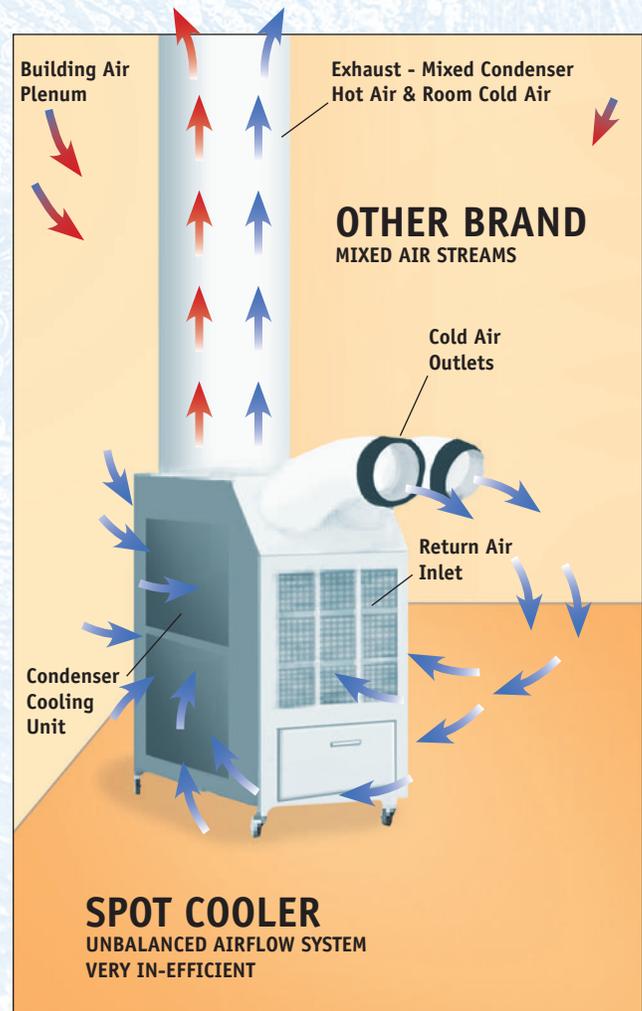
IS IT A SPOT COOLER???

OR IS IT A PORTABLE AIR CONDITIONER???

A SPOT COOLER DEFINED:

A spot cooler is defined as a device that blows cold air on a “spot” or location such as a person or process. Many “Spot Cooler” manufacturers misleadingly claim that their “spot coolers” can effectively cool anything, including hi-tech environments. The reality is that, technologically, most of these units are little more than window units on wheels, and by virtue of their design, their capabilities are very limited. Generally, they are cap-tube type systems with limited refrigeration controls. They perform poorly in all applications except what they were designed for...spot cooling. Using a spot cooler in an enclosed space such as a server room can be disastrous. The spot cooler design has several major flaws. First, its minimal controls do very little to prevent freezing except to shut itself off. In a critical application, this is unacceptable. Also, the spot cooler’s condenser inlet, located on the side or back of the unit, draws cold air directly from the room to cool its condenser. The mixed air streams of their condensers and evaporators drastically reduces the effective cooling capacity of the unit, and also creates a negative pressure or vacuum in the room. In essence, this brings the condenser and its air stream into the conditioned space. This is illustrated by the diagram shown here. The negative pressure draws air back into the room from under doors, around windows and most often from around ceiling tiles, bringing with it dirt, dust, heat and humidity – all of the things you don’t want in your controlled environment. This is an unbalanced airflow system.

- Unbalanced Airflow (Mixed)
- Creates Negative Pressure
- Drastically Reduces the Unit’s Effective Capacity
- Causes Dirt, Dust and Heat to be drawn into the room
- Potential Freezing Problems
- Poor Freon Control
- Condenser Air Supply from Conditioned Space Mixes with Evaporator Air



ICE AIR'S STRATEGIC AIR CENTER IS BOTH!

A TRUE AIR CONDITIONER DEFINED:

In contrast to a spot cooler, an air conditioner is designed to cool an enclosed area and has independent air streams. Its evaporator air stream is located inside the conditioned space and the condenser air stream is located outside of the conditioned space.

THE BEST OF BOTH.....THE STRATEGIC AIR CENTER

The ICE AIR Strategic Air Center can truly be used in almost any environmental condition. It is rated from 60° to 110°F and functions perfectly as a spot cooler. But it does more – much, much more. The ICE AIR Strategic Air Center has a thermostatic expansion valve which adjusts the flow of freon to suit the ambient conditions. Also, its sophisticated microprocessor control system and advanced constant pressure with fan-control freeze protection allow the unit to maintain a temperature set point with pinpoint accuracy for critical environments at temperatures down to 60°F. The diagram here shows ICE AIR's unique I/O Integral Condenser system compared to a spot cooler. This exclusive feature brings air from outside of the conditioned space to cool its condenser, then pumps the hot air back outside of the cooled room totally isolating the condenser air from the enclosed area. This is a balanced air flow system.

- Balanced Air Flow (Isolated)
- Neutral Effect on Room Pressure
- Allows 100% of Unit's Capacity To Be Realized In Conditioned Space
- Sophisticated Refrigeration Controls Prevent Freezing
- Freon Controlled By Thermostatic Expansion Valve Making The SAC Very Efficient!
- Condenser Air Is Completely Isolated From Conditioned Space



- Ships
- Retrofitting
- After Hours/Weekends
- Hot Work
- Special Events/Tents
- Industrial Processes
- Asbestos Abatement
- Aircraft
- Warehouses
- Dark rooms
- Hotel or Restaurants
- Industrial

Air-Cooled Models

Air-Cooled Units are available in the economic (KPAC) series, or the full-featured Strategic Air Center. The Strategic Air Center comes in a unitary (one piece) configuration (SAC) or a split system (SPLAC)



KPAC Portable Air Conditioner

The KPAC Series is an economical solution for basic cooling needs. Although this unit is equipped with advanced features such as microprocessor controls, I/O Integral Condenser and heavy duty insulated cabinet, it was designed specifically for the most cost conscious and to provide an affordable alternative to the "spot cooler". The KPAC works great for spot cooling, supplemental cooling and most cooling applications where sophisticated controls and high-end features are not needed.

AIR-COOLED KPAC • SAC • SPLAC

SAC and SPLAC systems are identical in all specification except dimensions.

General Data

Cooling Capacity (BTU/H):
Compressor type:
Dimensions (WxDxH inches):

SPLAC - Master Dimensions:

SPLAC - Condenser Dimensions:

Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
Air Flow (CFM/Speeds):
Supply Hose Quantity / Air Type:
Supply Hose Max Length: (If Equipped)

Condenser

Fan Type (Centrifugal):
Air Flow (CFM):
Condenser Hose Quantity (Opt.):

Electrical Specs

Power Supply (Volts):
Current Consumption (Amps):
Power Consumption (kw):
Circuit Breaker Size (Amps):
Min/Max Voltage:
Power Cord Gauge/Length:
Plug Configuration:

	KPAC1011	KPAC1411	SAC1411
Cooling Capacity (BTU/H)	10,500	13,700	13,850
Compressor type	Hermetic Rotary	Hermetic Rotary	Hermetic Rotary
Dimensions (WxDxH inches)	16.25x35.5x40.5	16.25x35.5x40.5	16.25x35.5x40.5
SPLAC - Master Dimensions:	N/A	N/A	16.25x15.5x40.5
SPLAC - Condenser Dimensions:	N/A	N/A	16.25x16.25x36
Weight (lbs.)	174	174	211
Fan Data			
Evaporator			
Fan Type (Centrifugal)	Direct Drive	Direct Drive	Direct Drive
Air Flow (CFM/Speeds)	335/1	445/1	460/3
Supply Hose Quantity / Air Type	1 - 5"x16" Chutes	2 - 5"x16" Chutes	Grill
Supply Hose Max Length: (If Equipped)	15'	15'	20'
Condenser			
Fan Type (Centrifugal)	Direct Drive	Direct Drive	Direct Drive
Air Flow (CFM)	1000	1000	1100
Condenser Hose Quantity (Opt.)	2 - 12"x8'	2 - 12"x8'	2 - 12"x8'
Electrical Specs			
Power Supply (Volts)	115-1Ø	115-1Ø	115-1Ø
Current Consumption (Amps)	11.5	13.5	14.5
Power Consumption (kw)	1.1	1.3	1.35
Circuit Breaker Size (Amps)	15	15	15
Min/Max Voltage	105-125	105-125	105-125
Power Cord Gauge/Length	14 AWG/6'	14 AWG/6'	14 AWG/6'
Plug Configuration	NEMA 5-15	NEMA 5-15	NEMA 5-15



General Data

Cooling Capacity (BTU/H):
Compressor type:
Dimensions (WxDxH inches):

SPLAC - Master Dimensions:

SPLAC - Condenser Dimensions:

Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
Air Flow (CFM/Speeds):
Supply Hose Quantity / Air Type:
Supply Hose Max Length: (If Equipped)

Condenser

Fan Type (Centrifugal):
Air Flow (CFM):
Condenser Hose Quantity (Opt.):

Electrical Specs

Power Supply (Volts):
Current Consumption (Amps):
Power Consumption (kw):
Circuit Breaker Size (Amps):
Min/Max Voltage:
Power Cord Gauge/Length:
Plug Configuration:

	SAC3021	SAC4221	SAC6021
Cooling Capacity (BTU/H)	29,500	42,000	60,000
Compressor type	Hermetic Recip.	Hermetic Recip.	Hermetic Recip.
Dimensions (WxDxH inches)	20.25 x 41 x 41.5	22.25 x 48 x 47.5	24.25 x 53 x 57.5
SPLAC - Master Dimensions:	20.25x20.25x41.5	22.25x20.25x47.5	24.25x20.25x57.5
SPLAC - Condenser Dimensions:	20.25x20.25x41.5	22.25x24x47.5	24.25x30x32
Weight (lbs.)	294	426	537
Fan Data			
Evaporator			
Fan Type (Centrifugal)	Direct Drive	Direct Drive	Direct Drive
Air Flow (CFM/Speeds)	850/3	1400/3	2000/3
Supply Hose Quantity / Air Type	Louver	2 - 8"x21"	2 - 10"x24"
Supply Hose Max Length: (If Equipped)	25'	35'	50'
Condenser			
Fan Type (Centrifugal)	Direct Drive	Belt Drive	Belt Drive
Air Flow (CFM)	1600	2100	3500
Condenser Hose Quantity (Opt.)	2 - 14"x8'	2 - 18"x8'	2 - 20"x8'
Electrical Specs			
Power Supply (Volts)	208/230-1Ø	208/230-1Ø	208/230-1Ø
Current Consumption (Amps)	17.05/15.5	37.2/33.75	50.5/45.5
Power Consumption (kw)	3.05	6.5	8.8
Circuit Breaker Size (Amps)	20	40	60/50
Min/Max Voltage	195-225/210-250	195-225/210-250	195-225/210-250
Power Cord Gauge/Length	12 AWG/6'	10 AWG/10'	8 AWG/10'
Plug Configuration	NEMA 6-20	Field Supplied	Field Supplied



General Data

Cooling Capacity (BTU/H):
 Compressor type:
 Dimensions (WxDxH inches):
SPLAC - Master Dimensions:
SPLAC - Condenser Dimensions:
 Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
 Air Flow (CFM/Speeds):
 Supply Hose Quantity / Air Type:
 Supply Hose Max Length: *(If Equipped)*

Condenser

Fan Type (Centrifugal):
 Air Flow (CFM):
 Condenser Hose Quantity (Opt.):

Electrical Specs

Power Supply (Volts):
 Current Consumption (Amps):
 Power Consumption (kw):
 Circuit Breaker Size (Amps):
 Min/Max Voltage:
 Power Cord Gauge/Length:
 Plug Configuration:

	SAC1811	SAC2411	SAC2421
Cooling Capacity (BTU/H):	17,700	23,500	23,500
Compressor type:	Hermetic Rotary	Hermetic Recip.	Hermetic Recip.
Dimensions (WxDxH inches):	16.25 x 35.5 x 40.5	20.25 x 41 x 41.5	20.25 x 41 x 41.5
SPLAC - Master Dimensions:	16.25x15.5x40.5	20.25x20.25x41.5	20.25x20.25x41.5
SPLAC - Condenser Dimensions:	16.25x16.25x36	20.25x20.25x41.5	20.25x20.25x41.5
Weight (lbs.):	217	304	278
Fan Data			
Evaporator			
Fan Type (Centrifugal):	Direct Drive	Direct Drive	Direct Drive
Air Flow (CFM/Speeds):	600/3	725/1	750/3
Supply Hose Quantity / Air Type:	Grill	Grill	Grill
Supply Hose Max Length: <i>(If Equipped)</i>	20'	15'	25'
Condenser			
Fan Type (Centrifugal):	Direct Drive	Direct Drive	Direct Drive
Air Flow (CFM):	1200	1350	1400
Condenser Hose Quantity (Opt.):	2 - 12"x8'	2 - 14"x8'	2 - 14"x8'
Electrical Specs			
Power Supply (Volts):	115-1Ø	115-1Ø	208/230-1Ø
Current Consumption (Amps):	17.9	19.5	13.75/12.5
Power Consumption (kw):	1.75	1.9	2.4
Circuit Breaker Size (Amps):	20	20	20
Min/Max Voltage:	105-125	105-125	195-225/210-250
Power Cord Gauge/Length:	12 AWG/6'	12 AWG/6'	12 AWG/6'
Plug Configuration:	NEMA 5-20	NEMA 5-20	NEMA 6-20



General Data

Cooling Capacity (BTU/H):
 Compressor type:
 Dimensions (WxDxH inches):
SPLAC - Master Dimensions:
SPLAC - Condenser Dimensions:
 Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
 Air Flow (CFM/Speeds):
 Supply Hose Quantity / Air Type:
 Supply Hose Max Length: *(If Equipped)*

Condenser

Fan Type (Centrifugal):
 Air Flow (CFM):
 Condenser Hose Quantity (Opt.):

Electrical Specs

Power Supply (Volts):
 Current Consumption (Amps):
 Power Consumption (kw):
 Circuit Breaker Size (Amps):
 Min/Max Voltage:
 Power Cord Gauge/Length:
 Plug Configuration:

	SAC6043	SAC12023	SAC12043
Cooling Capacity (BTU/H):	60,000	120,000	120,000
Compressor type:	Hermetic Recip.	Hermetic Recip.	Hermetic Recip.
Dimensions (WxDxH inches):	24.25 x 53 x 57.5	32.25 x 71 x 68	32.25 x 71 x 68
SPLAC - Master Dimensions:	24.25x20.25x57.5	32.25x32.25x68	32.25x32.25x68
SPLAC - Condenser Dimensions:	24.25x30x32	32.25x34x36	32.25x34x36
Weight (lbs.):	560	1100	1124
Fan Data			
Evaporator			
Fan Type (Centrifugal):	Direct Drive	Belt Drive	Belt Drive
Air Flow (CFM/Speeds):	2000/1	1800/3800	1800/3800
Supply Hose Quantity / Air Type:	2 - 10"x24'	2 - 12"x30"	2 - 12"x30"
Supply Hose Max Length: <i>(If Equipped)</i>	50'	50'	50'
Condenser			
Fan Type (Centrifugal):	Belt Drive	Belt Drive	Belt Drive
Air Flow (CFM):	3500	5000	5000
Condenser Hose Quantity (Opt.):	2 - 20"x8'	2 - 20"x8'	2 - 20"x8'
Electrical Specs			
Power Supply (Volts):	460-3Ø	208/230-3Ø	480-3Ø
Current Consumption (Amps):	17.64	71.8/64.8	32.4
Power Consumption (kw):	7.5	15	15
Circuit Breaker Size (Amps):	30	80/70	40
Min/Max Voltage:	420-500	195-225/210-250	420-500
Power Cord Gauge/Length:	10 AWG/10'	6 AWG/10'	8 AWG/10'
Plug Configuration:	Field Supplied	Field Supplied	Field Supplied



SAC - Strategic Air Centers

The SAC model is a full-featured, self-contained unit with our exclusive I/O Integral Condenser system. Loaded with features, this unit can be rolled into almost any environment and produce excellent results.



SPLAC - Split Strategic Air Centers

The SPLAC model is a portable split system designed to meet cooling applications where a remote condenser is needed. The SPLAC comes with the option of a 20' braided stainless steel line for temporary applications or a 50' copper line set for more permanent situations. Both are equipped with Kwik-disconnect refrigerant couplers. The SPLAC is equipped with all of the standard features of the Strategic Air Center.

WATER-COOLED SWAC



Water-Cooled Models

SWAC Strategic Air Center

The water-cooled Strategic Air Center is identical to the aircooled models in every aspect except for the smaller physical dimensions and the fact that its condenser uses water in lieu of air to remove the heat. Any water source such as chilled water, condenser water from a cooling tower, or even water from a garden hose attached to a spigot can make the SWAC work for you. As with all Strategic Air Centers, the SWAC is full featured.



SWAC1411	SWAC1811	SWAC2411
13,800	17,700	23,500
Hermetic Rotary	Hermetic Rotary	Hermetic Recip.
16.25 x 22 x 40.5	16.25 x 22 x 40.5	20.25 x 22 x 41.5
145	151	212
Fan Data		
Evaporator		
Direct Drive	Direct Drive	Direct Drive
450/3	600/3	750/3
Grill	Grill	Grill
20'	20'	20'
Water Flow Data		
Automatic	Automatic	Automatic
3.00	4.50	4.50
1.50	2.25	2.25
1.00	1.50	1.50
0.75	1.20	1.20
Electrical Specs		
115-1Ø	115-1Ø	115-1Ø
11.25	16.5	17.1
1.10	1.6	1.65
15	15	20
105-125	105-125	105-125
14 AWG/6'	12 AWG/6'	12 AWG/6'
NEMA 5-15	NEMA 5-20	NEMA 5-20

General Data

Cooling Capacity (BTU/H):
Compressor type:
Dimensions (WxDxH inches):
Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
Air Flow (CFM/Speeds):
Supply Hose Quantity:
Supply Hose Max Length:

Water Flow Data

Flow Regulator Valve
Inlet Water Temp. 85°F-95°F exit (GPM)
Inlet Water Temp. 75°F-95°F exit (GPM)
Inlet Water Temp. 65°F-95°F exit (GPM)
Inlet Water Temp. 55°F-95°F exit (GPM)

Electrical Specs

Power Supply (Volts):
Current Consumption (Amps):
Power Consumption (kw):
Circuit Breaker Size (Amps):
Min/Max Voltage:
Power Cord Gauge/Length:
Plug Configuration:



SWAC4221	SWAC6021	SWAC6043
42,000	60,000	60,000
Hermetic Recip.	Hermetic Recip.	Hermetic Recip.
22.25 x 22 x 47.5	24.25 x 26 x 57.5	24.25 x 26 x 57.5
285	360	383
Fan Data		
Evaporator		
Direct Drive	Direct Drive	Direct Drive
1400/3	2000/3	2000/1
2 - 8"x21"	2 - 10"x24"	2 - 10"x24"
35'	50'	50'
Water Flow Data		
Automatic	Automatic	Automatic
10.50	15.00	15.00
5.25	7.50	7.50
3.50	5.00	5.00
2.75	3.75	3.75
Electrical Specs		
208/230-1Ø	208/230-1Ø	460-3Ø
28/25.5	37/33.5	14.5
4.9	6.5	6.15
40/30	40	20
195-225/210-250	195-225/210-250	420-500
10 AWG/10'	10 AWG/10'	12 AWG/10'
Field Supplied	Field Supplied	Field Supplied



General Data

Cooling Capacity (BTU/H):
Compressor type:
Dimensions (WxDxH inches):
Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
Air Flow (CFM/Speeds):
Supply Hose Quantity:
Supply Hose Max Length:

Water Flow Data

Flow Regulator Valve
Inlet Water Temp. 85°F-95°F exit (GPM)
Inlet Water Temp. 75°F-95°F exit (GPM)
Inlet Water Temp. 65°F-95°F exit (GPM)
Inlet Water Temp. 55°F-95°F exit (GPM)

Electrical Specs

Power Supply (Volts):
Current Consumption (Amps):
Power Consumption (kw):
Circuit Breaker Size (Amps):
Min/Max Voltage:
Power Cord Gauge/Length:
Plug Configuration:

	SWAC2421	SWAC3021
Cooling Capacity (BTU/H):	23,500	29,500
Compressor type:	Hermetic Recip.	Hermetic Recip.
Dimensions (WxDxH inches):	20.25 x 22 x 41.5	20.25 x 22 x 41.5
Weight (lbs.):	185	208
Fan Type (Centrifugal):	Direct Drive	Direct Drive
Air Flow (CFM/Speeds):	750/3	850/3
Supply Hose Quantity:	Grill	Grill
Supply Hose Max Length:	25'	25'
Flow Regulator Valve	Automatic	Automatic
Inlet Water Temp. 85°F-95°F exit (GPM)	6.00	7.50
Inlet Water Temp. 75°F-95°F exit (GPM)	3.00	3.75
Inlet Water Temp. 65°F-95°F exit (GPM)	2.00	2.50
Inlet Water Temp. 55°F-95°F exit (GPM)	1.50	2.00
Power Supply (Volts):	208/230-1Ø	208/230-1Ø
Current Consumption (Amps):	10.5/9.5	12.65/11.5
Power Consumption (kw):	1.8	2.25
Circuit Breaker Size (Amps):	20	20
Min/Max Voltage:	105-125	195-225/210-250
Power Cord Gauge/Length:	12 AWG/6'	12 AWG/6'
Plug Configuration:	NEMA 6-20	NEMA 6-20



General Data

Cooling Capacity (BTU/H):
Compressor type:
Dimensions (WxDxH inches):
Weight (lbs.):

Fan Data

Evaporator

Fan Type (Centrifugal):
Air Flow (CFM/Speeds):
Supply Hose Quantity:
Supply Hose Max Length:

Water Flow Data

Flow Regulator Valve
Inlet Water Temp. 85°F-95°F exit (GPM)
Inlet Water Temp. 75°F-95°F exit (GPM)
Inlet Water Temp. 65°F-95°F exit (GPM)
Inlet Water Temp. 55°F-95°F exit (GPM)

Electrical Specs

Power Supply (Volts):
Current Consumption (Amps):
Power Consumption (kw):
Circuit Breaker Size (Amps):
Min/Max Voltage:
Power Cord Gauge/Length:
Plug Configuration:

	SWAC12023	SWAC12043
Cooling Capacity (BTU/H):	120,000	120,000
Compressor type:	Hermetic Recip.	Hermetic Recip.
Dimensions (WxDxH inches):	32.25 x 44 x 68	32.25 x 44 x 68
Weight (lbs.):	850	874
Fan Type (Centrifugal):	Belt Drive	Belt Drive
Air Flow (CFM/Speeds):	1800/3800	1800/3800
Supply Hose Quantity:	2 - 12"x30"	2 - 12"x30"
Supply Hose Max Length:	50'	50'
Flow Regulator Valve	Automatic	Automatic
Inlet Water Temp. 85°F-95°F exit (GPM)	30.00	30.00
Inlet Water Temp. 75°F-95°F exit (GPM)	15.00	15.00
Inlet Water Temp. 65°F-95°F exit (GPM)	10.00	10.00
Inlet Water Temp. 55°F-95°F exit (GPM)	7.50	7.50
Power Supply (Volts):	208/230-3Ø	460-3Ø
Current Consumption (Amps):	49.9/45.4	23.1
Power Consumption (kw):	16.3	16.3
Circuit Breaker Size (Amps):	60/50	30
Min/Max Voltage:	195-225/210-250	420-500
Power Cord Gauge/Length:	8 AWG/10'	10 AWG/10'
Plug Configuration:	Field Supplied	Field Supplied

A few of the many applications for ICE AIR Water-Cooled Systems

- Operating Rooms
- Laboratories
- Plastics Manufacturing
- Difficult Applications
- Back-Up Applications

ICE AIR's water-cooled models solve difficult air conditioning problems in hospitals, laboratories or industrial applications where a water supply is available. The water-cooled models are an ideal solution for sealed spaces where ducting hot air exhaust is not possible. Water-cooled units are also excellent backup systems for buildings using a chilled water system, especially when individual compressors fail. These compact portables can be moved from floor to floor as needed to provide an affordable and effective backup or supplemental air conditioning capacity.

ICE AIR's Evaporative Coolers can help improve your hostile environments

Cooler work spaces mean happier workers and increased productivity. Cooler greenhouses promote plant growth and profits, and protect against damaged greenery. Installation is a snap! Plug the ICE AIR portable evaporative cooler into your nearest 120 volt outlet, fill the water sump reservoir with water and switch the unit on. Ahh... feel the cool air.

Some Applications

- Warehouses
- Tents
- Outdoor Parties
- Greenhouses
- Construction sites
- Vessels

ICE AIR'S EVAPORATIVE COOLERS BLOW AWAY THE COMPETITION

The ICE AIR portable evaporative cooler is manufactured with a rotomolded corrosion-free polyethylene plastic body and utilizes a heavy duty galvanized steel fan powered by a totally enclosed high efficiency motor for long life. Water is recirculated by a high efficiency maintenance-free, corrosion-resistant submersible water pump. Just hook up a hose, plug it in and get cool!!

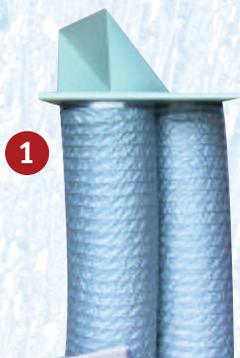
How does the ICE AIR's cool off hot areas? By saturation. Regular fans simply circulate the same air, same humidity, same temperature over and over. The ICE AIR portable evaporative cooler takes ambient air and combines it with evaporating water, thereby lowering the temperature. This condition is similar to when a rain storm approaches and the temperature drops because the air is saturated with water. The ICE AIR cooling media scrubs airborne materials from the immediate area and has a large volume cooling capacity up to 11,250 CFM (Cubic Feet per Minute) for cooling large areas. A portable water reservoir is available.



Model	KE361D	KE361B	KE363B	KE181D
General Data				
Dimensions(WxDxH inches)	61.5x63x32.5	61.5x63x32.5	61.5x63x32.5	27x36x24
Weight	228	236	236	73
Fan Data				
Fan Type	Direct Drive	Belt Drive	Belt Drive	Direct Drive
Air Flow (CFM)@0sp	11600	11600	11600	3000
Air Flow (CFM)@.15sp	9700	9700	9700	2600
Motor HP	0.5	0.5	0.5	0.25
Fan Blade	36"	36"	36"	18"
Pump Data				
Pump Type	Submersible	Submersible	Submersible	Submersible
Pump HP	1/6	1/6	1/6	1/50

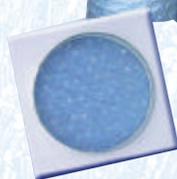
The ICE AIR evaporative fans only require a standard 115 Volt circuit and a garden hose. All models have a housing made from rotomolded, corrosion-free polyethylene, mounted to a plastic base with four heavy-duty casters for easy maneuvering. The cooling media is made with a formulated cellulose material, treated with a thermosetting resin, using a fluted crosscorrugated angle design. All fans use a galvanized industrial fan blade for longevity.

ICE AIR'S ACCESSORIES HELP YOU ADAPT YOUR ICE AIR TO MANY DIFFERENT ENVIRONMENTS.



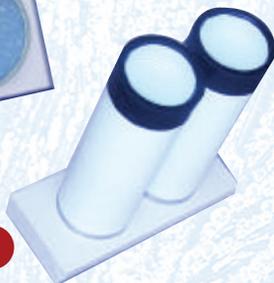
1

1 Ceiling Kit - This kit comes with everything you need to duct your air-cooled unit into the drop ceiling space.



2

2 Cold Air Return Ducting Kit - This kit gives you an attachment for a duct on the cold air return for applications that need remote returns.



3

3 Air Chute Attachment - This attachment comes with everything you need to install air chutes on your unit supplied with louvers.



4

4 15-gallon tank - Large capacity tank assembly for those applications where extended run times without frequent tank emptyings are needed.



5

5 Infrared Remote Control - Control your unit from across the room! This device controls your unit remotely and also has remote temperature sensing!

6 Split-Systems Line Extensions - (not pictured) 15' line extensions for the SAC split systems. Just plug and play!

ICE AIR Accessories

ICE AIR has the broadest selection of unit sizes and configurations in the industry. And, with ICE AIR's accessories you can tackle almost any application as if the unit was custom made for it!

ICE AIR Customizing

ICE AIR can customize any unit for special applications including "explosion proofing" for hazardous locations.

Call

1-800-792-0374



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