

Portable

- Air Conditioning and Heating Systems
- 3 - 25 Tons Cooling
- 15 - 150 kW Heating



United
CoolAir Corp™

www.unitedcoolair.com

Portable Cooling and Heating



As the demand for temporary climate control increases, rental companies are increasingly looking for ways to improve the reliability of their portable cooling and heating equipment. What was once used for emergency situations has now expanded to special events, emergency backup, supplemental and even manufacturing production lines.

United CoolAir solves the quality problem with a line of portable/mobile air conditioning systems designed and engineered for temporary cooling and heating applications. These units are designed to provide years of extended operation with minimal maintenance and downtime. United CoolAir portable systems include built-in features for mobility, fast power connection and reliable operation.

The rigid cabinet design and heavy-duty components offer a better investment choice because they outlast conventional systems converted for mobile operation. United CoolAir has cooling capacities ranging from 3 - 25 tons with a choice of vertical or horizontal cabinet styles. Air supply options include ducted or free-blow, and units can be tailored to your specific cooling and/or heating requirements.

Portable/Mobile Systems for a Wide Variety of Applications

General Applications

- Temporary Structures
- Back-Up Cooling
- Spot Cooling
- Emergency Cooling

Office Buildings/Schools

- Computers/Telecommunication
- Off-Hour Night/Weekend Cooling
- Renovation
- Humidity Control
- Data Processing Centers
- Kitchens

Industrial Applications

- Temperature-Sensitive Equipment
- Manufacturing Spot Cooling
- Spot Cooling for Personnel
- Vessel Cooling
- Plant Shutdowns
- Warehousing

Special Events

- Tent Functions
- Sporting Events
- Corporate Functions
- Outdoor Weddings
- Movie Studio Productions
- Exhibit/Conference Halls

Air Conditioners Designed Exclusively for Temporary Cooling and Heating



Built Solid for Reliable Operation In Any Environment



All United CoolAir portable equipment can be built on an all-welded steel frame or with wheels for an integral lifting system that resists twisting during shipping or installation. Heavy-gauge sheet metal panels provide additional rigidity and include corrosion-resistant fasteners for trouble-free access. The cabinet is coated both inside and out with a corrosion-resistant powder coat paint finish that withstands the effects of weather. All components, such as scroll compressors and fan motors, are rated for heavy-duty operation and are easily accessed through removable panels for routine maintenance. United CoolAir also includes a stainless steel condensate drain pan. Special care and attention to detail is taken during the manufacturing process to avoid unit downtime from problems such as refrigerant leaks. United CoolAir portable/mobile units arrive at the job site ready for operation, with connections made quickly to both power and flexible ducting.

Portable Cooling 3 - 25 Tons

Portable Heating 15 - 150 kW



Vertical Unit 5 – 25 Tons

Choice of Air Supply

Free-blow (plenum) or ducted (flanged).

Quiet Operation

Vibration-dampened components combined with sound absorption material on cabinet interior.

Cold Weather Operation

Auxiliary fin-tube electric heater for cold season operation or cooling with low ambient flooded condenser.

No Standing

Condensate Water

“V” style stainless steel drain for corrosion-free durability.

Weather-Resistant Cabinet

Durable powder coating that resists oxidation.

Trouble-Free Maintenance

Includes cleanable filters, easy access to components and standardized replacement parts.

High Mobility

Built-in, heavy-duty 4-way forklift skid design or sturdy caster system.



Horizontal Unit 3 – 12 Tons

Multiple Cooling Capacities

3, 5, 7.5, 10 and 12 TR.

Choice of Compressor Systems

Comes standard with heavy-duty scroll compressors.

Easily Transportable

Available with 4-way forklift skid, casters or trailer-mountable.

Sturdy Cabinet

Heavy-gauge cabinet with condenser coil guard.

Fast Air Duct Connections

Round duct return and supply air flanges.



Portable Electric Heater 15 - 150 kW

Indoor and Outdoor

Portable electric heaters can be used for occupied spaces and process applications in both indoor and outdoor environments. These units are available in sizes ranging from 15 to 150 kW using a highly efficient fin-coil design. The air supply can be either ducted or free-blow arrangements. The unit design is easily transportable using casters or a fork-lifting arrangement. Safety concerns associated with gas systems are also eliminated.



Custom Cooling and Heating



United CoolAir Supplies Units for Many of the Largest Rental Companies Across the Nation

- GE Rental
- GE ShowPower
- Spot Coolers
- Mobile Air
- Building Cooling Systems
- Main Attractions
- Portable Air
- Thermal Engineering and Equipment

United CoolAir's Portable Units Offer a Choice of Control Options

United CoolAir offers a choice of temperature control systems that can be tailored to your exact specifications. Both air conditioning units and heaters can be configured to connect directly to a standard thermostat for ease and simplicity. United CoolAir also offers controllers for both built-in and remote operation in a variety of styles.

Have Special Size or Component Requirements?

United CoolAir will custom build cooling and heating systems to your exact requirements. Options include:

- *Electric heat*
- *Voltages: 208/230-3-60, 460-3-60*
- *Cam-type power connections:*
 - *power in, color-coded*
 - *power in and out, color-coded*
- *Operating/pressure gauges*
- *Hour meter*
- *Various control options*
- *Manual override*
- *Hinged panels over control box and/or power supply*
- *Tent clamps*
- *Coil coating protection*
- *Flooded condenser:*
 - *low ambient operation*
- *Outside air option*
- *Hot gas bypass*
- *Variable speed drive*
 - *adjustable motor sheave*
- *Variable frequency drive*
- *Liquid receiver*
- *Plenum with bidirectional air discharge grills or duct flange*
- *Color options*
- *Lifting pods*
- *Casters*
- *Trailer mounting*

Capacities and Options

Built Military Tough

United CoolAir builds its commercial air conditioning equipment to the same demanding requirements as that of the United States Military. Because we supply air conditioners for the Department of Defense, our units must work dependably under extreme temperature and terrain conditions. If United CoolAir equipment can hold up under these tough military requirements, you can feel confident that our air conditioning systems will operate dependably at your job site.



Orientation	Tons	Dimensions* (w x h x d)	Weight*
Horizontal	3	55 x 43 x 34	840
	5	55 x 43 x 34	860
	6	55 x 43 x 34	875
	8	65 x 59 x 43	910
	10	65 x 59 x 43	1010
	12	65 x 59 x 43	1100
Vertical	5	44 x 71 x 31	750
	8	62 x 80 x 32	1350
	10	62 x 80 x 32	1375
	20	91-1/2 x 96 x 36	2650
	25	98 x 100 x 45	2825

* Dimensions and weight are approximate, depending on options and accessories.

Quick-Connect Cam-Type Power Connections



United CoolAir portable air conditioners and heaters can be equipped with external Cam-type power connectors for safe and fast connection to power sources.

Electric Heat



Your portable air conditioners can be ordered with electric heating.

System Operating Gauges



You can monitor the performance of your portable A/C system with the system gauge option. These heavy-duty gauges are conveniently mounted on the unit, monitoring both high and low pressure of each circuit.



491 East Princess Street, York, PA 17403 Toll Free 1-877-905-1111 Phone (717) 843-4311 Fax (717) 854-4462
e-mail: uca@unitedcoolair.com www.unitedcoolair.com