The Complete Cooling System  
Ready-to-Install Unit Includes  
Motor, Pump, Thermostat and Purge System

Wall-Mounted, Low-Voltage Thermostat Provides a Comfortable Atmosphere.  
The Thermostat Dump Cycle Control Automatically Purges the Unit,  
Conserving Water and Eliminating Mineral Build-Up on Pads and Components.

**AD1C51**  
Down Discharge

- **Most Powerful**  
  Unique Perforated Air Inlet Screen Provides More AirFlow Than Competition.
- **Low Maintenance**  
  Rust-Free Structural Plastic Reservoir
- **UL Classified & Made in the U.S.A.**

**Complete**  
The Complete Cooling System  
Ready-to-Install Unit Includes  
Motor, Pump, Thermostat and Purge System

- **High-Performance Rigid Media**  
  Available in Two Sizes - 8" and 12" For Total Cooling Comfort
- **Energy Efficient for Energy Savings**  
  Uses Up to 75% Less Electricity Than Conventional Air Conditioning
- **Resists Impact & Weather**  
  Tough Polyester Powder Coated Finish - Inside & Out!
- **Best Warranty**  
  Limited-Lifetime Warranty on Cabinet Against Leakage Due to Rust Out  
  Uniquely Engineered Thermoplastic Reservoir  
  5-Year Limited Warranty on Media  
  2-Year Limited Warranty on Pump  
  2-Year Limited Warranty on Motor  
  1-Year Limited Warranty on Parts

**AS1C51**  
Side Discharge
SELECTING AN ULTRACOOL COOLER

51 SERIES COMPLETE W/ 8” MEDIA
- Cabinet Dimensions: 28”H x 42”W x 45”D
- 3/4 HP, 2 Speed Motor
- Cools up to 1600 Square Feet
  AD1C51 (115V Unit)
  AD2C51 (230V Unit)
  AS1C51 (115V Unit)
  AS2C51 (230V Unit)

51 SERIES COMPLETE W/ 12” MEDIA
- Cabinet Dimensions: 28”H x 42”W x 49”D
- 3/4 HP, 2 Speed Motor
- Cools up to 1600 Square Feet
  AD1C5112 (115V Unit)
  AD2C5112 (230V Unit)
  AS1C5112 (115V Unit)
  AS2C5112 (230V Unit)

71 SERIES COMPLETE W/ 8” MEDIA
- Cabinet Dimensions: 34-5/8”H x 42”W x 48”D
- 1 HP, 2 Speed Motor
- Cools up to 2200 Square Feet
  AD1C71 (115V Unit)
  AD2C71 (230V Unit)
  AS1C71 (115V Unit)
  AS2C71 (230V Unit)

71 SERIES COMPLETE W/ 12” MEDIA
- Cabinet Dimensions: 34-5/8”H x 42”W x 52”D
- 1 HP, 2 Speed Motor
- Cools up to 2200 Square Feet
  AD1C7112 (115V Unit)
  AD2C7112 (230V Unit)
  AS1C7112 (115V Unit)
  AS2C7112 (230V Unit)

1. Consult zone map to find correct zone.
2. Consult table below to find correct “Minutes per Air Change” for your zone.
3. Determine area to be cooled in cubic feet (building length x width x height).
4. Divide cubic feet (step 3) by minutes per air change (step 2) to determine Cubic Feet per Minute (CFM).
5. Select the correct Champion Cooler model in the data table above according to CFM and expected static pressure. If CFM falls between models, choose the larger model.

Example: Which cooler is needed to cool a house in Phoenix, Arizona, 40 feet long by 30 feet wide with an 8 foot ceiling that is insulated and has no unusual heat sources?
1. Zone 2
2. Minutes per Air Change = 3
3. 30 x 40 x 8 = 9,600
4. 9600 ÷ 3 = 3,200 CFM
5. Referring to the specifications charts, Champion UltraCool Complete 51 Series with a 3/4 horsepower motor is indicated assuming a typical static pressure of 0.2” W.G.

**INTERIOR HEAT LOAD** - High means places with unusual heat sources from hot equipment or processes, crowded conditions, etc. Normal means no unusual heat sources - typical home or office.

**EXTERIOR HEAT LOAD** - Exposed means walls, roof exposed to sun, poor insulations, etc. Insulated means walls and roof well insulated and/or shaded.

**DESIGNED WITH YOU IN MIND!**
Manufactured by Champion Cooler
5800 Murray Street
Little Rock, Arkansas 72209
1-800-643-8341
www.championcooler.com

*CFM ratings are based on test data to AMCA (Air Movement and Control Association) standard 210 by an independent AMCA approved laboratory.

**MINUTES PER AIR CHANGE**

<table>
<thead>
<tr>
<th>INTERIOR HEAT LOAD</th>
<th>EXTERIOR HEAT LOAD</th>
<th>ZONE 1</th>
<th>ZONE 2</th>
<th>ZONE 3</th>
<th>ZONE 4</th>
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<td>1.5</td>
<td>1.3</td>
<td>.7</td>
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<tr>
<td>HIGH</td>
<td>INSULATED</td>
<td>3</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
</tr>
<tr>
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