

ULTRACOOOL COMPLETE

*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.**

- **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

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

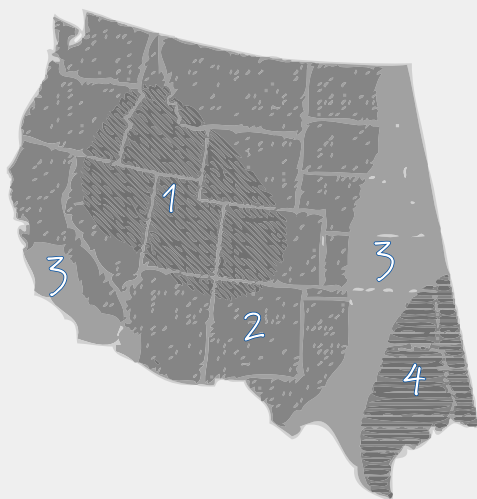
AD1C7112 (115V Unit)
 AD2C7112 (230V Unit)
 AS1C7112 (115V Unit)
 AS2C7112 (230V Unit)

SERIES	CFM* H.P.	INCHES STATIC PRESSURE						
		0	0.1	0.2	0.3	0.4	0.5	0.6
51 SERIES with 8" Media	3/4	3788	3630	3450	3260	3020	2806	2570
51 SERIES with 12" Media	3/4 10% more efficient than 8" media.	3606	3472	3317	3135	2918	2661	2379

SERIES	CFM* H.P.	INCHES STATIC PRESSURE						
		0	0.1	0.2	0.3	0.4	0.5	0.6
71 SERIES with 8" Media	1	5024	4820	4630	4450	4280	4100	3900
71 SERIES with 12" Media	1 10% more efficient than 8" media.	4941	4747	4572	4394	4208	3996	3749

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

SELECTING AN ULTRACOOOL COOLER



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. $30 \times 40 \times 8 = 9,600$
4. $9600 \div 3 = 3,200$ 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.

		MINUTES PER AIR CHANGE			
INTERIOR HEAT LOAD	EXTERIOR HEAT LOAD	ZONE			
		1	2	3	4
HIGH	EXPOSED	2	1.5	1.3	.7
HIGH	INSULATED	3	2	1.5	1
NORMAL	EXPOSED	3	2	1.5	1
NORMAL	INSULATED	4	3	2	1.3

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
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 Little Rock, Arkansas 72209
 1-800-643-8341
www.championcooler.com

