ULTRA*COOL*
ADVANTAGE

• **Most Powerful**
Unique Perforated Air Inlet Screen Provides
More AirFlow Than Competition

• **Low Maintenance**
Rust-Free Structural Plastic Reservior

• **UL Classified & Made in the U.S.A.**

ADA51
Down Discharge

ASA35
Side Discharge

• **High-Performance Rigid Media**
Available in Two Sizes - 8" and 12" (ASA/ADA35- 12" not available)
- 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
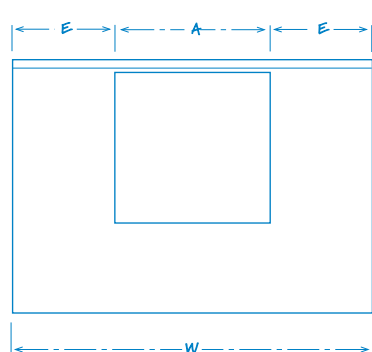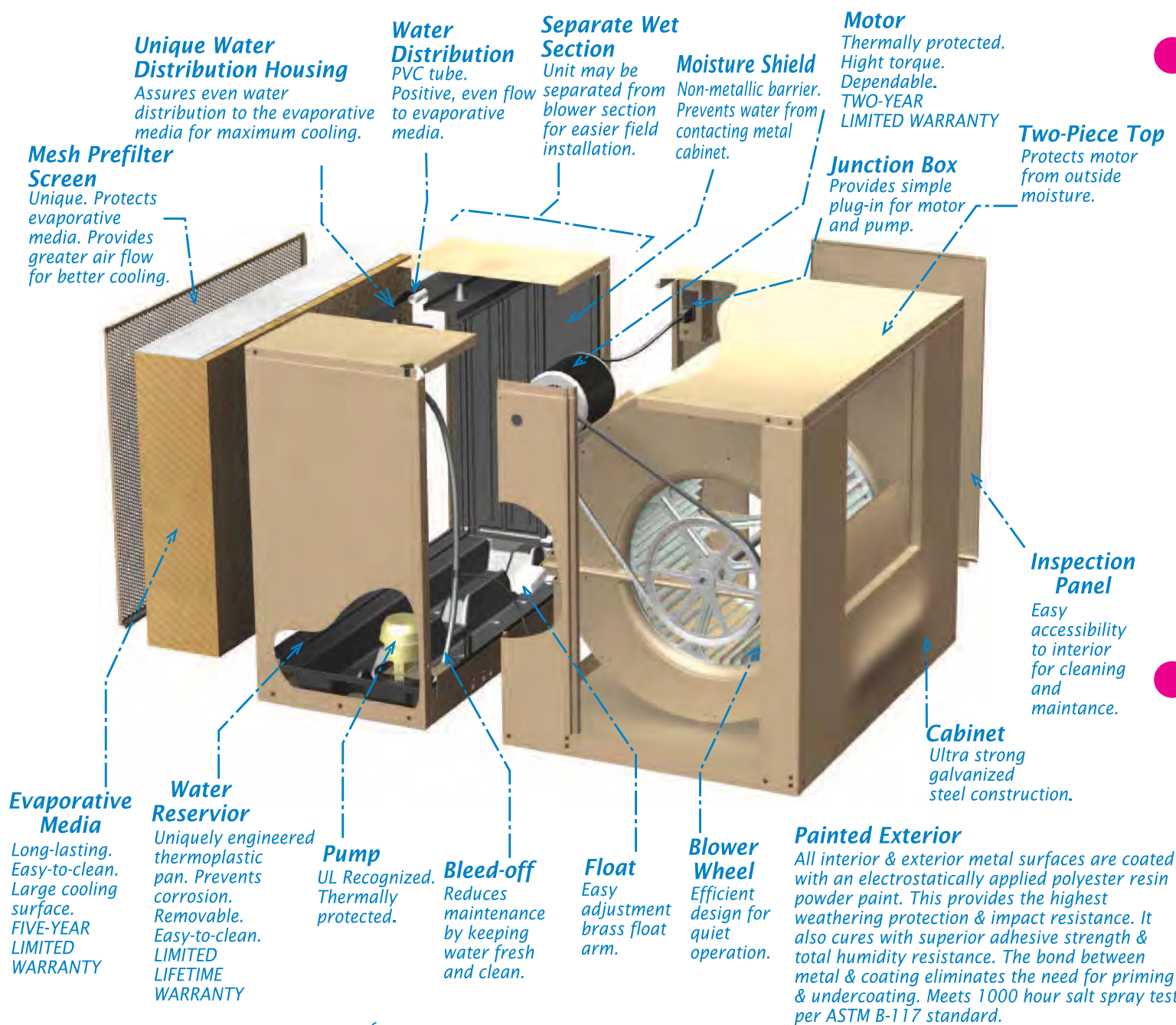*Uniquely Engineered Thermoplastic Reservoir*
5-Year Limited Warranty on Media
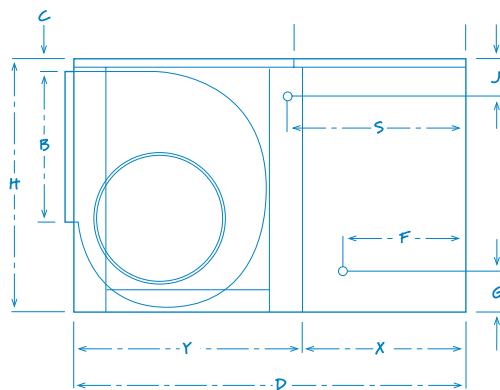*2-Year Limited Warranty on Pump*
2-Year Limited Warranty on Motor
1-Year Limited Warranty on Parts

AUA71
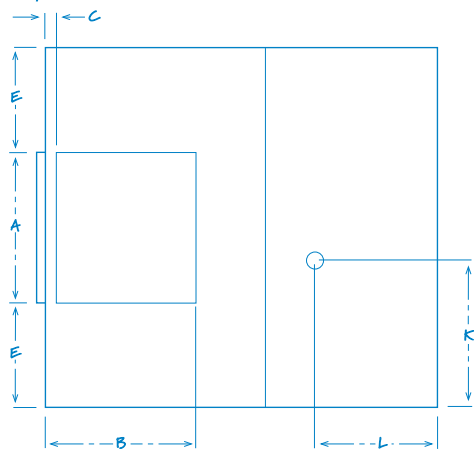Up Discharge

STANDARD FEATURES

Unique Water Distribution Housing
Assures even water distribution to the evaporative media for maximum cooling.

Water Distribution
PVC tube. Positive, even flow to evaporative media.

Separate Wet Section
Unit may be separated from blower section for easier field installation.

Moisture Shield
Non-metallic barrier. Prevents water from contacting metal cabinet.

Motor
Thermally protected. Hight torque. Dependable. TWO-YEAR LIMITED WARRANTY

Mesh Prefilter Screen
Unique. Protects evaporative media. Provides greater air flow for better cooling.

Junction Box
Provides simple plug-in for motor and pump.

Two-Piece Top
Protects motor from outside moisture.

Inspection Panel
Easy accessibility to interior for cleaning and maintaince.

Cabinet
Ultra strong galvanized steel construction.

Evaporative Media
Long-lasting. Easy-to-clean. Large cooling surface. FIVE-YEAR LIMITED WARRANTY

Water Reservior
Uniquely engineered thermoplastic pan. Prevents corrosion. Removable. Easy-to-clean. LIMITED LIFETIME WARRANTY

Pump
UL Recognized. Thermally protected.

Bleed-off
Reduces maintenance by keeping water fresh and clean.

Float
Easy adjustment brass float arm.

Blower Wheel
Efficient design for quiet operation.

Painted Exterior
All interior & exterior metal surfaces are coated with an electrostatically applied polyester resin powder paint. This provides the highest weathering protection & impact resistance. It also cures with superior adhesive strength & total humidity resistance. The bond between metal & coating eliminates the need for priming & undercoating. Meets 1000 hour salt spray test per ASTM B-117 standard.

FRONT VIEW

SIDE VIEW

TOP VIEW

DIMENSIONS
Match letters on illustrations to Cabinet Dimensions in the Specification Tables on next page.

SPECIFICATIONS

MODEL NO.	GENERAL DIMENSIONS			DUCT OPENING		DUCT LOCATION		WATER SERVICE LOCATION		ELECTRICAL SERVICE LOCATION		DRAIN LOCATION		BLOWER WHEEL			BELT LENGTH	WEIGHT		MODULE LENGTH		MEDIA DIMENSIONS		
	H	W	D	A	B	C	E	F	G	S	J	K	L	DIA.	WIDTH	SHAFT		OPER.	SHIP	X	Y	H	W	D
ADA35 ASA35	22 $^{9}/_{16}$	34	40	13 $^{5}/_{8}$	13 $^{5}/_{8}$	1 1 $^{7}/_{8}$	10 $^{3}/_{16}$	14 $^{7}/_{16}$	5 $^{1}/_{4}$	20 $^{1}/_{2}$	3 $^{5}/_{8}$	17	14 $^{5}/_{8}$	12 $^{7}/_{8}$	12 $^{1}/_{8}$	1	43 46	187	130	17 $^{15}/_{16}$	22	17 $^{5}/_{8}$	33 $^{7}/_{8}$	8
ADA51 ASA51 AUA51	28	42	45	17 $^{3}/_{4}$	17 $^{3}/_{4}$	1 $^{1}/_{2}$	12 $^{1}/_{8}$	13	5 $^{3}/_{4}$	20 $^{3}/_{8}$	3 $^{9}/_{16}$	17	14 $^{1}/_{16}$	16	16 $^{3}/_{4}$	1	52† 57 51	227	163	18 $^{1}/_{4}$	26 $^{3}/_{4}$	22 $^{1}/_{4}$	41 $^{1}/_{4}$	8
ADA5112 ASA5112	28	42	49	17 $^{3}/_{4}$	17 $^{3}/_{4}$	1 $^{1}/_{2}$	12 $^{1}/_{8}$	17	5 $^{3}/_{4}$	24 $^{3}/_{8}$	3 $^{9}/_{16}$	17	18 $^{1}/_{16}$	16	16 $^{3}/_{4}$	1	52† 57	257	176	22 $^{1}/_{4}$	26 $^{3}/_{4}$	22 $^{1}/_{4}$	41 $^{1}/_{4}$	12
ADA71 ASA71 AUA71	34 $^{5}/_{8}$	42	48	19 $^{3}/_{4}$	19 $^{3}/_{4}$	1 $^{1}/_{2}$	11 $^{1}/_{8}$	13	5 $^{3}/_{4}$	20 $^{3}/_{8}$	3 $^{9}/_{16}$	17	14 $^{1}/_{16}$	20	16 $^{3}/_{4}$	1	64 67 67	263	193	18 $^{1}/_{4}$	29 $^{3}/_{4}$	28 $^{7}/_{8}$	41 $^{1}/_{4}$	8
ADA7112 ASA7112	34 $^{5}/_{8}$	42	52	19 $^{3}/_{4}$	19 $^{3}/_{4}$	1 $^{1}/_{2}$	11 $^{1}/_{8}$	17	5 $^{3}/_{4}$	24 $^{3}/_{8}$	3 $^{9}/_{16}$	17	18 $^{1}/_{16}$	20	16 $^{3}/_{4}$	1	64 67	300	213	22 $^{1}/_{4}$	29 $^{3}/_{4}$	28 $^{7}/_{8}$	41 $^{1}/_{4}$	12

*All dimensions in inches.† 3/4 H.P. requires a 53" belt.

MODEL NO.	INDUSTRY STANDARD RATING	H.P.	SPEEDS**	PHASE	VOLTS**	AMPS***	0"	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"
ADA/ASA 35	3000 3500	$^{1}/_{3}$ $^{1}/_{2}$	1 OR 2	1	115	8.3 10.9	2022 2315	1871 2178	1738 2061	1607 1947	1470 1834	1311 1714	1107 1581
ADA/ASA/ AUA 51	4000 4400 5000	$^{1}/_{3}$ $^{1}/_{2}$ $^{3}/_{4}$	1 OR 2	1	115	8.3 10.9 14.9	2873 3321 3788	2650 3110 3630	2390 2910 3450	2060 2650 3260	1806 2400 3020	1600 2130 2806	1370 1940 2570
ADA/ASA 5112	4000 4400 5000	$^{1}/_{3}$ $^{1}/_{2}$ $^{3}/_{4}$	1 OR 2	1	115	8.3 10.9 14.9	2750 3149 3606	2566 2993 3472	2323 2803 3317	1997 2564 3135	1629 2266 2918	1313 1944 2661	1039 1648 2379
ADA/ASA/ AUA 71	5400 6000 7000	$^{1}/_{2}$ $^{3}/_{4}$ 1	1 OR 2	1	115	10.9 14.9 17.1	3987 4564 5024	3750 4350 4820	3510 4130 4630	3270 3940 4450	3055 3730 4280	2610 3580 4100	2210 3180 3900
ADA/ASA 7112	5400 6000 7000	$^{1}/_{2}$ $^{3}/_{4}$ 1	1 OR 2	1	115	10.9 14.9 17.1	3922 4488 4941	3685 4279 4747	3462 4087 4572	3212 3888 4394	2898 3662 4208	2471 3392 3996	2002 3049 3749

*All dimensions in inches. **Motors sold and shipped separately. *** Blower motor (high speed) and pumps. ***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.

OPTIONAL THERMOSTAT ACCESSORY

SELECTING AN ULTRACOOL 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 on the previous page according to CFM and expected static pressure. If CFM falls between models, choose the larger model.
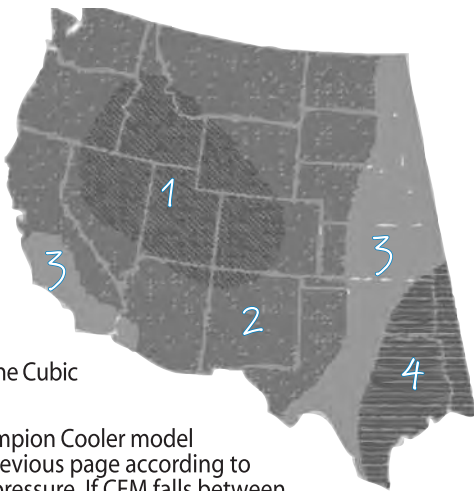
MINUTES PER AIR CHANGE					
INTERIOR HEAT LOAD	EXTERIOR HEAT LOAD	ZONE			
		1	2	3	4
HIGH	EXPOSED	2	1.5	1.3	.7
HIGH	INSULATED	3	2	1.5	1
NORMAL	EXPOSED	3	2	1.5	1
NORMAL	INSULATED	4	3	2	1.3

•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.

EXAMPLE – A house in Phoenix, AZ, 40 feet long by 30 feet wide with 8-foot ceiling. Well insulated, no unusual heat sources.

1. 30 x 40 x 8 = 9,600 cubic feet

2. Zone 2

3. Minutes per Air Change = 3

4. 9,600 ÷ 3 = 3,200 CFM

5. Referring to CFM table inside this brochure, cooler model ADA51 with a 3/4 h.p. motor is indicated, assuming a typical static pressure of .2" W.G.

STANDARD FEATURES

- Large LED readout is easy to read.
- Easy 4-wire hook up makes installation quick and simple.
- Durable rain-proof control box ensures safety.
- Thermostat controlled dump cycle adds convenience.
- Dump cycle control is compatible with any pump!
- Two-stage operation provides better comfort and even temperatures.
- Easy to program and operate.

Contact your local Champion dealer today for more information on why an UltraCool Advantage® Evaporative Cooler should be your First Choice. Only Choice.

DESIGNED WITH YOU IN MIND!

Manufactured by Champion Cooler