



## PREMIUM ROOFTOP DUCTED COOLERS

Natural Aspen Coolers for Colder Temperatures.

Cooler, Cleaner ... Better.

### Features

**CABINET** – Corrosion resistant, heavy-gauge steel construction for maximum strength and durability.

**DURABLE PROTECTIVE FINISH** – Our exclusive PolyBond® coating combines the strength of metal encapsulated in an epoxy coating, providing a five-layer appliance-type finish.

**SLIDE-IN PAD FRAMES** – For easy access.

**BLOWER WHEEL** – Precision-balanced steel blower wheel for quiet operation and maximum airflow.

**DRIVE SYSTEM** – Solid shafts, oilable bearings, balanced pulleys and high strength belts provide long life.

**WATER PUMP** – Highest quality pump in the industry with flame-retardant plastic, thermal protection and built-in bleed-off port.

**MOTOR** (sold separately) – U.L. Recognized and designed specifically for evaporative coolers. Available in a variety of horsepower for varied cooling capacities.

**WATER SYSTEM** – Improved, larger diameter water tubes provide consistent water flow to the pads while the adjustable float valve maintains the optimum water level.

**BLEED-OFF KIT** – Included with every unit to ensure consistent performance by minimizing scale build-up.

**JUNCTION BOX** – Factory installed with U.L. Recognized pump and motor receptacles included.

**WARRANTY** – 10-year limited warranty.

### Accessories (Sold Separately)

**THERMOSTATIC CONTROL – MODEL #CC2000** –

MasterStat® provides automatic temperature control with no programming necessary while saving you money by operating your cooler only when needed.

**AUTOMATIC DRAIN PUMP – MODELS #CM120 and #CM240** – CleanMachine® replace the bleed-off system in your cooler, helping to save water and remain cleaner by automatically draining the sump every six hours of continuous cooler operation.



ES330G  
ES430G  
ES630G



ED330G  
ED460G  
ED630G



ArcticCircle® premium residential evaporative coolers have been setting the standard for performance and economic efficiency for more than 50 years. Featuring thicker, denser aspen pads to provide more evaporative surface area and hold their shape longer for consistent cooling, ArcticCircle produces temperatures up to 3 degrees colder than units with standard aspen pads. These models feature a deep-drawn steel bottom pan for a watertight seal and easy cleaning and embossed steel pad frames for added strength. ArcticCircle is more than cooler and cleaner, ArcticCircle is stronger.

ArcticCircle coolers use low horsepower motors, so they cost much less to operate than expensive, high horsepower air conditioning – saving up to 75% of the cost of operating A/C. While down discharge models are typically installed on a roof, side discharge models can be installed on the roof or through a side wall. Most installations include connection to a duct system to provide cooling throughout the house. Colder air, environmentally friendly and more economical, ArcticCircle is truly cooler, cleaner ... better.

**COOL, CLEAN COMFORT ... NATURALLY.**

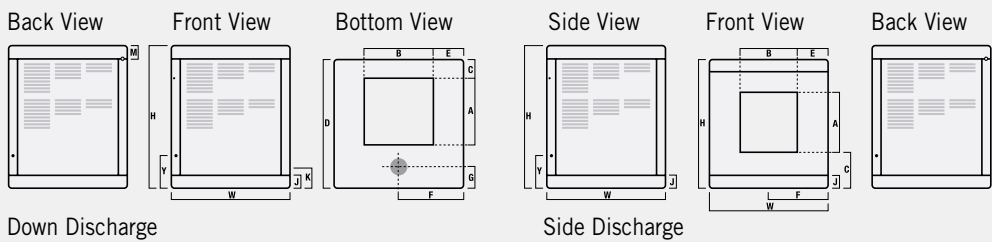
Environmentally friendly, with no ozone-depleting CFCs, ArcticCircle® Premium Rooftop Ducted Evaporative Coolers add needed moisture to the air in your home and serve as “air washers” to help filter out pollutants so you experience cool, clean comfort ... naturally.

## PREMIUM ROOFTOP DUCTED COOLERS

### Specifications

Model Series	Industry Standard Rating	Certified Air Delivery							Electrical Specifications					Pump GPM	Head Feet	Bleed-Off GPH
		CFM (cubic feet per minute) inches static pressure w.g. (water gauge)							Speed	Phase	Volts	Amps	Part No.			
		0	.1	.2	.3	.4	.5	HP								
ED/ES300G	3000	1900	1865	1825	1745	1620	1460	1/3	1 or 2	1	120	8.4	CP/EP150	2.5	5	2.4
ED/ES430G	4000	3100	3020	2850	2625	2290	1900	1/3	1 or 2	1	120	8.4	CP/EP200	3.0	5	3.6
ED/ES430G	4500	3600	3530	3350	3120	2860	1900	1/2	1 or 2	1	120	9.6	CP/EP200	3.0	5	4.2
											240	5.2	CP/EP400	3.0	5	4.2
ED/ES630G	5500	4300	4000	3730	3500	3370	3280	1/2	1 or 2	1	120	9.6	CP/EP200	3.0	5	4.2
											240	5.2	CP/EP400	3.0	5	4.2
ED/ES630G	6500	4900	4610	4350	4080	3920	3880	3/4	1 or 2	1	120	11.8	CP/EP200	3.0	5	4.2
											240	6.0	CP/EP400	3.0	5	4.2

### Dimensions

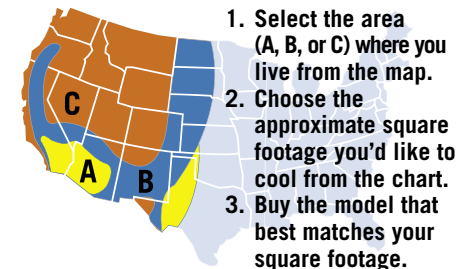


Model Series	Cabinet			Duct Location				Drain Location F	Bottom Depth J	Pan Riser K	Water Service KO Y	Electric Service Location M	Pads No/Ht/Wd	Blower Wheel Dia/Wd/Shift	Belt Length	Pulley Pitch Diameter	Effective Pad Area Sq. In.	Ship. Weight	Oper. Weight	
	H	W	D	Opening A	B	Location C E														
ED330G	32	28	28	133/4	133/4	4	71/8	14	53/4	31/2	61/4	45/8	11/2	4/26/221/2	121/2/12/5/8	4L44	7	594	84	175
ES330G	32	28	28	133/4	133/4	123/4	71/8	14	53/4	31/2	N/A	45/8	11/2	3/26/221/2	12/12/5/8	4L45	7	594	80	170
ED430G	351/2	34	34	173/4	173/4	33/8	81/8	17	53/4	31/2	61/4	45/8	11/2	4/30/281/2	16/16/5/8	4L58	11	868	124	260
ES430G	351/2	34	34	173/4	173/4	121/2	81/8	17	53/4	31/2	N/A	45/8	11/2	3/36/281/2	16/16/5/8	4L59	11	868	120	250
ED630G	42	37	37	191/2	20	33/4	81/2	181/2	53/4	31/2	63/4	45/8	11/2	4/36/311/2	19/18/3/4	4L66	14	1147	164	250
ES630G	42	37	37	191/2	20	17	81/2	181/2	53/4	31/2	N/A	45/8	11/2	3/36/311/2	19/18/3/4	4L68	14	1147	158	245

### Sizing Instructions

Model*	Approximate Square Footage Cooled**		
	A	B	C
ED330 1/3 hp	800	1000	1200
ES330 1/3 hp			
ED430 1/3 hp	1000	1200	1400
ES430 1/3 hp			
ED430 1/2 hp	1200	1400	1600
ES430 1/2 hp			
ED630 1/2 hp	1400	1600	1800
ES630 1/2 hp			
ED630 3/4 hp	1600	1800	2000
ES630 3/4 hp			

\*ED\* models are down discharge. \*ES\* models are side discharge.  
 \*\* Square footages shown assume 8' ceiling heights and average insulation and heat loads for each zone using an 80° desired room temperature. When in doubt select a higher horsepower or larger cabinet or contact your salesperson for additional assistance or information.



The world leader in evaporative cooling technology, AdobeAir, Inc. is continually involved in the process of product improvement. AdobeAir, Inc. therefore reserves the right to change specifications and/or design without prior notice. To obtain the most current product information and/or specifications, visit the AdobeAir, Inc. web site at [www.AdobeAir.com](http://www.AdobeAir.com).

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