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# Breezair EXT155 Owner's Manual

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# Technical Specifications

Specifications		EXT 155	EXT 265
Airflow	Industry standard (cfm)	5500	6500
Cooling capacity*	0.3 IWG (BTU/hr)	27,631	36,245
Power consumption (total)	Watts	996	992
Fan	Diameter (inches)	15	18
V-belt	4L/A	4L-480/A46	4L-570/A55
Motor	Type	PSC	PSC
	Speed (rpm) Hi/Lo	1470/1050	1470/1050
	Rating (Watts)	550	550
	Current (amp) Hi/Lo	8.4/5.6	8.4/5.6
	Capacitor (uF)	30	30
	Voltage/Hz	115/60	115/60
	Overload	Auto	Auto
	Enclosure	IP21	IP21
Pump	Type	Centrifugal Encapsulated Synchronous 2 pole	
	Rating (input) (Watts)	30	30
	Flow rate (gal/min)	5.1@3.9ft head	5.1@3.9ft head
	Overload	Auto reset	Auto reset
	Enclosure rating	IPX 4	IPX 4
Cooling pad	Size (inches)	31 1/2 x 17 1/2 x 3 1/2	31 1/2 x 25 x 3 1/2
	Pad area (ft <sup>2</sup> )	15.3	22
Water	Capacity (gal)	3.6	3.6
	Inlet (inches)	1/2" male BSP	1/2" male BSP
Shipping	Dimensions including pallet (inches)	30 1/2 x 45 1/4 x 45 1/4	38 1/2 x 45 1/4 x 45 1/4
	Volume (ft <sup>3</sup> )	36	42
	Mass (lbs)	156	190
	Operating (lbs)	172	206
Connecting duct (raw edged)	Length x width (inches)	21 5/8 x 21 5/8	21 5/8 x 21 5/8

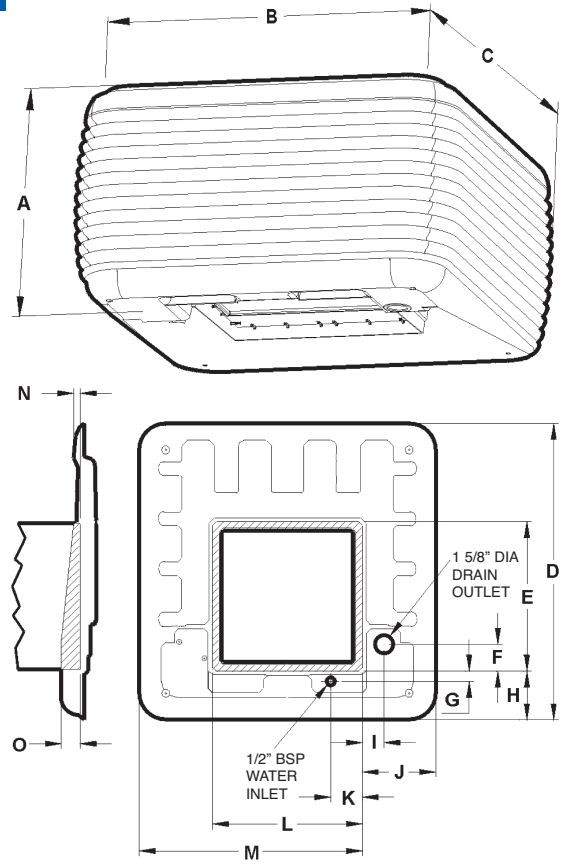
\*This cooler has been tested in accordance with the requirements of the California Energy Commission Appliance Efficiency Regulations, Section 1603 and 1604

## Cooler Discharge Air Temperature Chart

Ambient Dry Bulb Temperature	Ambient Relative Humidity %								
	10	20	30	40	50	60	70	80	90
°F	10	20	30	40	50	60	70	80	90
50	36.2	37.9	39.6	41.2	42.8	44.3	45.8	47.2	48.7
60	42.9	45.1	47.2	49.3	51.3	53.2	55.0	56.7	58.4
70	49.2	52.1	54.7	57.3	59.7	61.9	64.1	66.1	68.1
80	55.3	58.9	62.2	65.2	68.1	70.7	73.3	75.6	77.8
90	61.4	65.7	69.6	73.3	76.5	79.7	82.4	85.1	87.7
100	67.2	72.5	77.1	81.3	85.1	88.5	91.7	na	na
110	72.9	79.1	84.5	89.3	93.6	97.5	na	na	na
120	78.7	86.0	92.2	97.5	na	na	na	na	na
130	84.5	92.8	99.9	na	na	na	na	na	na

This chart represents approximate air temperatures based on 90% saturation efficiency at sea level. From tests carried out to Australian Standard 2913

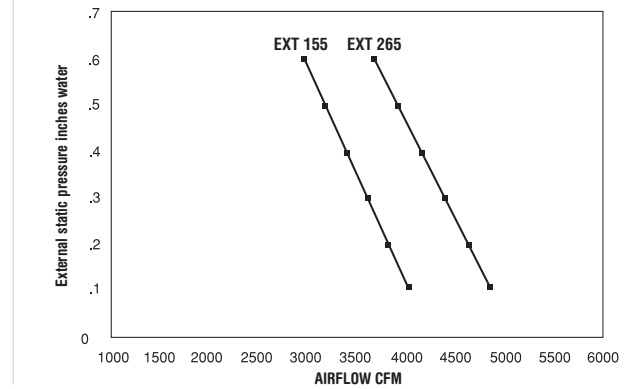
## Cabinet Details



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
155/265	26/34	45.5	45.5	45.2	21.65	3.25	2.5	8.25	81	11.75	3.66	21.65	32	1.5	3.33

Note: All dimensions are in inches

## Fan Curves



Model #	Industry STD Rating CFM	Motor H.P.	Certified Air Delivery (CFM) (inches of static pressure)							
			0.0	0.1	0.2	0.3	0.4	0.5	0.6	
EXT 155	5500	.75	4240	4030	3830	3670	3470	3260	3020	
EXT 265	6500	.75	5080	4870	4640	4390	4130	3900	3670	



### Seeley International (Americas)

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# How evaporative cooling works

The secret to evaporative cooling is implied by the term itself: evaporation! Warm air is drawn into the Breezair EXT cooler, where it's filtered through water-saturated Chillcel™ pads. Evaporation cools the air while the Chillcel™ pads filter out dust, pollen and other contaminants. The result: cool, clean, 100% fresh air. No Freon or other chemicals are needed. No fluorocarbons to worry about. So it's great for both you and the environment.



## You Save Money, Too.

The Breezair EXT requires only about 20% of the energy needed for refrigerated air conditioning. This significantly reduces your cooling costs and peak energy demand! Plus, with no toxic chemicals, emissions are reduced.

To ensure homeowner safety at all times, the Breezair EXT offers these built-in features:

- Circuit breaker
- Thermally-protected variable-speed motor and pump
- On-board isolation switch

Hot outside air is drawn in by a powerful and quiet fan



Air passes through watersoaked Chillcel™ cooling pads

Water absorbs heat by the natural evaporation process. Cool, fresh air is produced

# The Breezair EXT Series: The best in w

## The highest rated 2-speed cooler on the market.

One of the finest evaporative coolers on the market today, the Breezair EXT combines sleek, upscale design with Seeley's dependable solid-quality construction. The result is an unobtrusive – yet incredibly attractive – powerhouse of cooling efficiency.

The unique Breezair UV-resistant cabinet is guaranteed for 25 years! All of the structural components are guaranteed for 10 years.

That's the kind of warranty you'd expect only from Seeley International. Because nobody makes an evaporative cooler quite like we do.

The Breezair EXT uses a constant stream of fresh air to cool, instead of recycling the same stale air. Its unique advanced cooling technology provides superior indoor air quality. By adding moisture to the air, your nose, eyes and skin will appreciate the difference immediately. You will enjoy cooler, more enjoyable air for years to come.

## Bleed-off Tray

The easy-to-install bleed-off tray provides a more precise bleed rate, which results in less mineral build-up in the pads.



# World-class features. First-class cooling.

The secret to the cooling power of the Breezair EXT lies in the state-of-the-art technology that is built into every Breezair evaporative cooler.

## Exclusive One-piece Aerodynamic Fan

- Double inlet
- Molded one-piece polypropylene centrifugal fan
- Square steel shaft to prevent fan slippage
- Cools more efficiently
- Operates quietly
- Motor lasts longer
- Costs less to operate
- Pre-lubricated and sealed bearings (no oil needed)



## 2-Speed Junction Box

- On-board isolation switch
- Overload circuit breaker protection on pump and motor circuits



## Non-clogging Water Distribution System

- Unique water flow distributor (patented worldwide by Breezair)
- Fully balanced and continuous water distribution to all Chillcel™ cooling pads
- Maintains perfect pad saturation, maximizing cooling efficiency

