



Ducted Evaporative Air Cooling Systems

PRODUCT OF SEELEY INTERNATIONAL, AUSTRALIA

Breezair

A breath of fresh air



ENERGY & WATER
**GREEN
GLOBE**
AWARDS 2006
ACHIEVEMENT



*Fresh, Natural Cooling...
...at prices that nature intended!*

PRODUCT

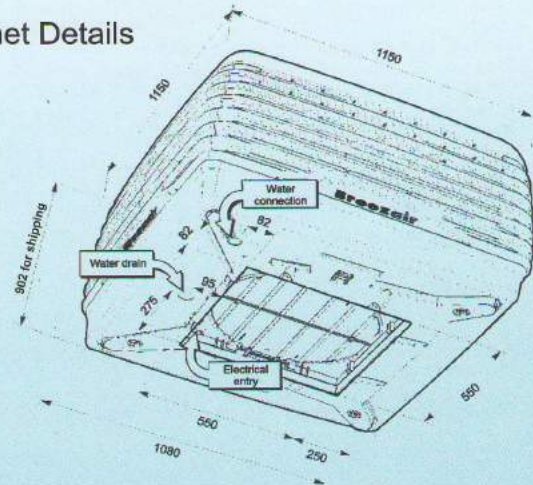
Breezair TBA Series Evaporative Coolers

* Also available in lower CMH versions

Technical specifications

Specifications		TBA 550
Airflow	High Speed at 80pa L/sec (m ³ /h)	3010 (10840)
Cooling Capacity*	kW	14.7
Power Consumption (total)	Watts	1360
Fan	Diameter mm	541
Motor	Type	PSC
	Speed rpm	1360/var
	Rating Watts	950
	Current amps	5.6
	Capacitor uF	30
	Voltage(±10%)Phases/Hz	230/1/50
	Overload	Auto reset
Enclosure	IP 35	
Pump	Type	Centrifugal Encapsulated Synchronous 2 pole
	Rating (input) Watts	40
	Flow Rate L/Min	20
	Overload	Auto reset
	Enclosure rating	IP x 4
Cooling Pad Chillcel (TM)	Size mm	525 x 850 x 90 (4pcs)
	Pad Area m ²	1.8
	Velocity m/sec	1.7
Water	Capacity litres	23
	Drain mm	40 (Configurable to local regulations)
Shipping	Dimensions (inc pallet) mm	1150 x 1150 x 902 (H)
	Volume m ³	1.2
	Mass Kg	66
	Operating Kg	89
	Connecting Duct (raw edged)	Length x Width mm

Cabinet Details



Note: All dimensions are in mm.



*Cooling capacity calculated to Australian standard AS 2913 - 2000, ambient of 38°C dry bulb & 21°C wet bulb, with room exit temperature of 27.4°C

Cooler Discharge Air Temperature Chart

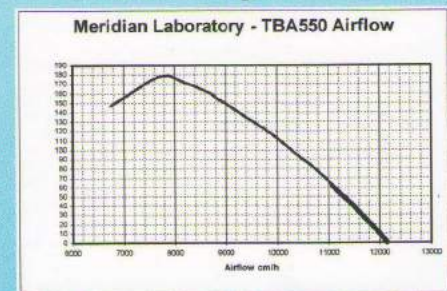
Ambient Dry Bulb Temperature	Ambient Relative Humidity %								
	10	20	30	40	50	60	70	80	90
10	3.3	4.0	4.8	5.6	6.4	7.2	8.0	8.6	9.4
15	6.6	7.8	8.8	9.8	10.8	11.7	12.6	13.4	14.3
20	10.1	11.4	12.8	13.9	15.2	16.2	17.2	18.2	19.2
25	13.4	15.0	16.6	18.0	19.4	20.6	21.8	22.9	24.0
30	16.6	18.6	20.4	22.0	23.6	25.0	26.4	27.7	28.9
35	19.8	22.2	24.2	26.2	28.0	29.6	31.0	32.4	33.7
40	23.0	25.6	28.1	30.4	32.3	33.9	na	na	na
45	25.9	29.2	32.0	34.4	na	na	na	na	na
50	29.0	32.7	35.8	na	na	na	na	na	na

This chart represents approximate air temperatures based on 80% saturation efficiency at sea level. From tests carried out to Australian Standard 2913

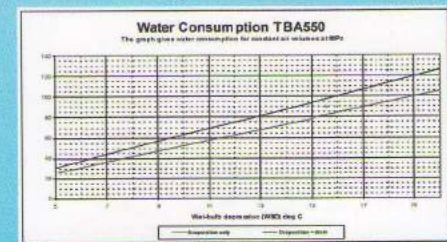
Sound level TBA550

Sound Power (PWL) & Sound Pressure (SPL) BREEZAIR TBA550	RADIUS 'r' from source											
	1	2	3	4	5	6	7	8	9	10	15	20
Sound Power (PWL) [dB]	110											
Sound Pressure (SPL) AT RADIUS 'r' [dB]	100											
TBA 550 - High Speed	79	71.0	65.0	61.5	59.0	57.0	56.4	56.3	56.3	56.3	56.3	56.3
TBA 550 - Normal S	74	66.0	60.0	56.5	54.0	52.0	51.4	51.3	51.3	51.3	51.3	51.3
TBA 550 - Normal F	66	58.0	52.0	48.5	46.0	44.0	43.4	43.3	43.3	43.3	43.3	43.3
TBA 550 - Normal L	61	53.0	47.0	43.5	41.0	39.0	38.4	38.3	38.3	38.3	38.3	38.3

Airflow TBA 550 range



Water consumption TBA 550



Our Company has a policy of continuous product development and therefore reserves the right to make changes to these specifications without notice

Accessories

SMART HUB



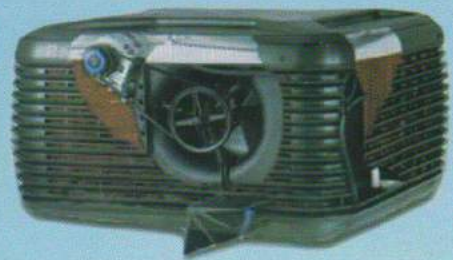
IWC (Industrial Wall Control)



The Technology Inside



EA & ES Series



TECHNICAL SPECIFICATIONS OF BREEZAIR - EA & ES SERIES

Model No.	EASeries			ESSeries	
	EA-120	EA-145	EA-150	ES-165	ES-210-G
Power Supply	SinglePhase, 230V±10V, 50Hz				
Dimensions (LxWxH) mm	980x920x1060			1160x1160x860	
Speed options available	2-Speed	2-Speed	2-Speed	Variable	2-Speed
FanMotor(Watts)	750	950	1500	750	1500
Air Flow*CMH (CFM)	9100 (5356)	10000 (5886)	10800 (6357)	9520 (5603)	11720(6898)
Cooling Capacity **(kW)	14.0	15.5	16.5	11.4	13.7
Weight(Kg)	95	100	100	83	88

* Air flow measured at cooler out-let without adding duct. Air flow at 'Zero Static' pressure.

** Cooling capacity calculated to Australian Standards of AS2913-2000, at ambient temperature of 38°C DBT (Dry Bulb Temp.) & 21°C WBT (Wet Bulb Temp.), with room temperature of 27.4°C.

The Promise of Excellence

Seeley International is the world leader in evaporative air cooling technology. Head quartered in Australia, Seeley International continues to invest in R&D to maintain its leadership position. The company has production facilities in Adelaide and Albury in Australia and Phoenix in the US. Manufactured to the highest international standards, **Breezair** assures you of total quality.



STALE AIR, ODOURS AND GERMS CIRCULATE WITHIN THE CLOSED ROOM



100% FRESH, COOL, FILTERED AIR PASSES THROUGH THE OPEN ROOM, REDUCING GERMS, ODOURS AND LETHARGY

K.K.Nag now brings this world-class product to India.



Leadership Through Service

K.K.Nag is one of India's leading companies with more than 40 years of expertise in supporting industries through customized business solutions. It markets and distributes Breezair evaporative aircooling systems through a nationwide distribution network and offers prompt after sales service. Combining experience with expertise, K. K. Nag believes in achieving and maintaining its leadership status through superior service.

Advantage Breezair



The most cost-effective central air cooling solution. Low running costs.



Ideally suited for the hot, dry Indian climate and doors and windows can be left open.



Polymer body and components make the machine durable, lightweight and easy to install.



Introduces 100% fresh filtered air. No sick building syndrome.



Virtually maintenance free.



Environment-friendly. No CFCs used.



The preferred choice in over 60 countries. Now over 2000 machines installed in India.

APPLICATIONS



Industrial Applications :

- | | |
|--------------------------|---------------------|
| Aerospace Industry | Printing Industry |
| Automotive Industry | Textiles |
| Electronic Industry | Foundries |
| Food / Breweries | Light Manufacturing |
| Mechanics Metal Industry | Heavy Manufacturing |
| Pharmaceutical Industry | Shipping |
| Plastic Moulding | |

Commercial Applications :

- | | |
|----------------------|-----------------------|
| Garden centres | Nurseries |
| Exhibition Centres | Offices |
| Garages | Outdoors |
| Restaurants Kitchens | Schools, Universities |
| Laundries | Shops |
| Logistics | Show Rooms |



Residential Applications :

- Houses, Villas
- Gaming rooms
- Recreation areas
- Patios verandas



- Sports Centre
- Supermarkets
- Churches, Temples, Mosques
- Airports and Hangers



1 Year limited warranty + Pump, motor & CPMD box warranted for 1 years

Structural components warranted for 10 years

Cabinets warranted corrosion-free for 25 years



* Limited warranty is subject to terms & conditions as per company policy.

Perfect Airconditioning Trading Company

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