

# RPB Series



Ideal for medium to very large installations

Designed to stand the test of times

Easy maintenance and serviceability



## Cabinet

- Constructed from marine grade aluminium, incorporating channel section corner pillars, mounted on a heavy gauge base frame for structural stability.
- Numerous components are powder coated for extra corrosion protection.
- Available in down, side and top discharge.



## Fan wheel

- The fan wheel is double inlet, multi-blade, forward curve, centrifugal type.
- Constructed from galvanised steel, the wheel is statically balanced.
- The blower shaft on the RPB1200 to 1800 models is mounted in plummer blocks with self-aligning, single row ball bearings.
- RPB600-1000 models have a stainless steel shaft. Mounted in metal housing with self-aligning single row ball bearings.



## Water reservoir

- Rotational moulded in polyethylene to provide corrosion free long life and durability.
- Enhanced water distribution ensures an even water distribution and improved efficiency.



## Fan motors

- Tropic proof two speed motors fitted as standard.
- All coolers are three phase and have manual re-set overload for added safety.



## Water connection

- Industry standard connections (1/2 inch BSP) make installation quick and easy.



## Optional extras

- Automatic water dumping feature

# Why Breezair evaporative air conditioning for commercial and industrial use?



More than 40 years history in the commercial and industrial sector



Australia's number one choice for heavy industrial and commercial cooling



Suits any application, proven performer from small workshops to world's largest plants



Preferred choice of Mechanical Services Contractors, Engineers, Architects and Specifiers



Known for unmatched reliability, outstanding performance and cost effectiveness



Low maintenance and running costs year after year

## Breakthrough technology

### NEW!!

#### **Black Opal™ MINI-CELL<sup>^</sup> Chillcel® Pads**

Our revolutionary Black Opal™ Mini-Cell<sup>^</sup> Chillcel® pads have transformed the aesthetics of our coolers as they seamlessly blend into their surroundings; maintaining our global leading Mini-cell<sup>^</sup> Chillcel® pad technology, which increases surface area of the pads by 25%, dramatically multiplying cooling capacity and efficiency - BEYOND BELIEF!

^Patent pending



# RPB Series

Specifications		RPB 600	RPB 700	RPB 900	RPB 1000	RPB 1200	RPB 1300	RPB 1400	RPB 1500	RPB 1800 (Top & down dis.)	RPB 1800 (Side dis.)						
Airflow (@ zero static)	High (m <sup>3</sup> /h)	21,096	25,920	31,716	35,604	41,292	45,900	50,688	54,180	64,440	58,680						
	High (cfm)	12,417	15,256	18,667	20,956	24,303	27,016	29,834	31,889	37,928	34,538						
	Low (m <sup>3</sup> /h)	14,040	16,632	21,600	23,850	27,720	30,762	33,966	36,018	43,387	42,804						
	Low (cfm)	8,263	9,789	12,713	14,037	16,315	18,106	19,991	21,199	25,537	25,193						
Cooling capacity (@ 80 Pa)	High speed (kW)	20.7	23.7	30.4	34.2	39.0	44.3	49.8	53.1	63.3	56.9						
Blower Wheel	Dia x width (mm)	760 x 635				820 x 800											
	Outlet (mm)	780 x 760				890 x 890											
Motor	Type	2 speed 3 phase															
	Speed (RPM)	1450/955															
	Rating (kW)	3.0 : 1.0	3.0 : 1.0	5.5 : 1.8	7.5 : 2.2	5.5 : 1.8	7.5 : 2.2	7.5 : 2.2	11.0 : 3.6	15.0 : 5.0	15.0 : 5.0						
	Current (amp)	6.41 : 3.77	6.41 : 3.77	11.2 : 6.05	14.6 : 8.1	11.2 : 6.05	14.6 : 8.1	14.6 : 8.1	21.6 : 10.5	27.4 : 12.2	27.4 : 12.2						
	Supply	415 V / 50 Hz 3 phase															
Pump	Type	Cent x 1	Cent x 1	Cent x 1	Cent x 2	Cent x 3	Cent x 3	Cent x 3	Cent x 3	Cent x 4	Cent x 3						
	Rating (W)	50															
	Flow Rate (l/m)	24															
Chillcel Cooling Pads	Size top (mm)	595 x 580 (6)			595 x 580 (8)	795 x 580 (6)				795 x 580 (8)	795 x 580 (6)						
	Size bottom (mm)	595 x 580 (6)			595 x 580 (8)	795 x 890 (6)				795 x 890 (8)	795 x 890 (6)						
	Pad thickness	90 mm															
	Area (m <sup>2</sup> )	4.14		5.52	7.0				9.4	7.0							
Water reservoir tank	Capacity (L)	55				100											
Shipping	Height (mm)	1,630				2,050											
	Length (mm)	1,560				2,100											
	Width (mm)	1,560				2,100											
	Mass (kg)	295	331	376	415	447	457	468	513								
	Operating (kg)	330	366	411	475	517	527	538	573								



**BREEZAIR**  
Direct Evaporative Air Conditioning

**CLIMATE WIZARD**  
Indirect Evaporative Air Conditioning

**COOLAIR**  
Direct Evaporative Air Conditioning

**COOLERADO**  
Indirect Evaporative Air Conditioning

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