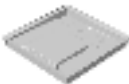


**→ Cabinet.**

The cabinet is constructed from marine grade aluminium, incorporating channel section corner pillars, mounted on a heavy gauge base frame for structural stability. Many components have been powder coated for extra corrosion protection. Cabinet fasteners are Stainless steel and Aluminium.

**→ Fan Wheel.**

The Fan wheel is a double inlet, multi-blade, forward curve, centrifugal type. Constructed from galvanised steel, the wheel is statically balanced, The blower shaft is mounted in plumber blocks with, self aligning, single row ball bearings.

**→ Water Reservoir.**

The water reservoir is a one piece Rotational Moulding of Polyethylene, providing a thick walled, corrosion free component with excellent sound deadening properties.

**→ Fan Motors.**

RPA450 to 1800 - 415V 3 Phase TEFC tropic proof induction motor, coated Aluminium or Cast Iron frame, IP55 enclosures to AS1359. Motor current draw can vary depending on supplier.

RPA400 - 240V Single Phase, two speed PSC motor

**→ Electrical Control.**

**Three phase** starter assembly is pre-wired within the unit and incorporates a dual contactor assembly for control of high and low speeds, Current overloads are fitted to both high and low contactors. The enclosure is hose proof to IP55 and incorporates an isolation switch (RPA400-900 only). RPA1000 to 1800 have an external isolation switch. **Single phase** is wired directly to mains.

The wall control switch supplied incorporates the Pump, Fan and High/Low mechanisms.

**→ Water Connection.**

Water supply connection is 1/2" BSP, this connects directly to a 1/2" NB standard approved ball valve.

**→ Filter Pads.**

Filter pads are shredded wood wool fibre or Chillcel<sup>®</sup> with a minimum operating saturation efficiency of 80%. All models incorporate a full ABS Louvre (UV stabilised) to enhance the appearance of the pad and to prevent water splash.

→ **Special Features.** → Bleed off adjustment is by an external valve located at the corner pillar. A mains isolator is provided. Flexible Connectors are standard on RPA400 to 900 - (RPA1000 to 1800 optional).

**→ Unit Rating.**

Units are factory set to run (free discharge) at the motor rated current, unless operating conditions are specified. Motor ratings, Pulley and Belt sizes are nominal, and may vary slightly due to manufacturing tolerances. Larger & Smaller motor pulleys and belts are available on request.

## Models RPB600 to 1800

### → **Cabinet.**

The cabinet is constructed from marine grade aluminium, incorporating channel section corner pillars, mounted on a heavy gauge base frame for structural stability. Many components have been powder coated for extra corrosion protection. Cabinet fasteners are Stainless steel and Aluminium.

### → **Fan Wheel.**

The Fan wheel is a double inlet, multi-blade, forward curve, centrifugal type. Constructed from galvanised steel, the wheel is statically balanced, The blower shaft is mounted in plumber blocks with, self aligning, single row ball bearings.

### → **Water Reservoir.**

The water reservoir is a one piece Rotational Moulding of Polyethylene, providing a thick walled, corrosion free component with excellent sound deadening properties.

### → **Fan Motors.**

Three Phase Motors are TEFC tropic proof Cast Iron or Aluminium frame induction motor, IP55 enclosures to AS1359. Motor current can vary depending on supplier.

### → **Electrical Control.**

**A Three phase** starter assembly is pre-wired within the unit and incorporates a dual contactor assembly for control of high and low speeds, Current overloads are fitted to both high and low contactors. The enclosure is hose proof to IP55, all models incorporate an external isolation switch.

### → **Water Connection.**

Water supply connection is 1/2" BSP, this connects directly to a 1/2" NB standard approved ball valve.

### → **Filter Pads.**

Filter pads are Chillcel<sup>®</sup> with a minimum operating saturation efficiency of 80%. All models incorporate a Permatuf<sup>®</sup> Louvre (UV stabilised) to enhance the appearance of the pad and to prevent water splash.

### → **Special Features.**

Bleed off adjustment is by an external valve located at the corner pillar.

Auto Drain Kit available

Flexible Connectors available.

Air Filters available on request.

### → **Unit Rating.**

Units are factory set to run "*free discharge*" as close as practical to the motor rated current, unless operating conditions are specified. Motor ratings, Pulley and Belt sizes are nominal, and may vary slightly due to manufacturing tolerances. Larger & Smaller motor pulleys and belts are available on request.

## **RPC250 to RPC450**

### **CABINET**

The cabinet is constructed of marine grade aluminium, incorporating channel section corner pillars, mounted on a heavy gauge base frame for structural stability.

Many components have been powder-coated for extra corrosion protection. Cabinet fasteners are Stainless steel, Monel, and Aluminium.

### **BLOWER WHEEL**

The Blower wheel is a centrifugal type with forward curved blades and double inlets, moulded in one piece from polypropylene. It is inherently, statically and dynamically balanced.

### **FAN SHAFT AND BEARINGS**

The fan shaft is stainless steel, hollow square section. This provides efficient torque transfer without the use of screw fastenings. Sealed bearings are located with resilient mounts.

### **WATER RESERVOIR**

The water reservoir is a one piece Rotational Moulding of Polyethylene, providing a thick walled, corrosion free component with excellent sound deadening properties.

### **FAN MOTORS**

Single phase, Permanent Split Capacitor (P.S.C.) motors, rating IP21 Enclosures to AS1359.

### **ELECTRICAL CONTROL**

The Electrical Control Box is prewired within the cooler and incorporates an isolating switch. Mains wiring is directly to the Control Box.

### **THERMOSTAT CONTROL**

All Single Phase Variable speed RPC model coolers feature the Braemar THERMOSTAT CONTROL, for fully automatic control. A comprehensive set of operating instructions is supplied with each THERMOSTAT. Connection to the Control Box is via the 20 metre low voltage wiring loom supplied.

All Single Phase 2 Speed RPC model coolers feature a Wall Mounted Control Switch which incorporates Pump, Fan and Speed variation mechanisms.

### **WATER CONNECTION**

Water supply connection is a 1/2" BSP external nipple, this connects directly to a 1/2" NB approved ball valve. The water distribution system is all plastic.

### **FILTER PADS**

Filter pads are shredded Aspen fibre or Chilcel<sup>®</sup> with an operating saturation efficiency of 80 %.

All models incorporate a full ABS louvre to enhance the appearance of the pad and to prevent water splash.

### **SPECIAL FEATURES**

Bleed off adjustment is by an external valve located at the corner pillar.

All models have Drain valves kits as an optional extra.

A Flexible Connection Kit is supplied for Side & Top Discharge models.

Bushfire rated units available on request.

# The RPC Variable speed range has the Benefit and Features of Seeley's CPMD electronics and Tornado Pump

## CPMD

(Cooler Power Module with Drain)

### FEATURES

- Delayed Pump Start.
- Water Manager or Timed Drain Operation.
- Adjustable Drain Delay.
- Manages Blackouts & Brownouts.
- Drain time adjusts to drainage rate.

### BENEFITS

- **Safety**
  - Circuit Breaker.
  - Mains supply voltage monitoring.
  - Frequency monitoring.
  - Full CE compliance.
  - 24v safety circuits.
- **Programmable**
  - Field configurable for drain and Water Manager.
  - Customised settings to suit the home owner.
- **Installer friendly**
  - Pre installed controls.
  - No setups to do.
  - All components have single plug connections.



## Tornado

Evaporative Cooler pump



### Design Features:

#### **HIGH PUMPEFFICIENCY**

More than twice the efficiency of conventional shaded pole evaporative cooler pumps.

#### **THREE WIRE SYSTEM WITH EARTHED STATOR**

An earth wire is bonded to the motor stator ensuring electrical safety.

#### **FULLY ENCAPSULATED WINDING**

Highly fire retardant polymeric encapsulation of all active electrical components ensuring long life in moist and saline atmospheres .

#### **THERMAL OVERLOAD PROTECTION**

The thermal protector is fully encapsulated within the motor winding, ensuring intimate contact with heat producing components. This prevents the motor from overheating due to debris clogging the pump or electrical/mechanical failure.

#### **FULLY PROTECTED BALL BEARINGS**

Motor bearings are sealed from the atmosphere and protected from exposure to water thereby providing longer life in highly salty Australian artesian water.

#### **IMPACT START ACTION**

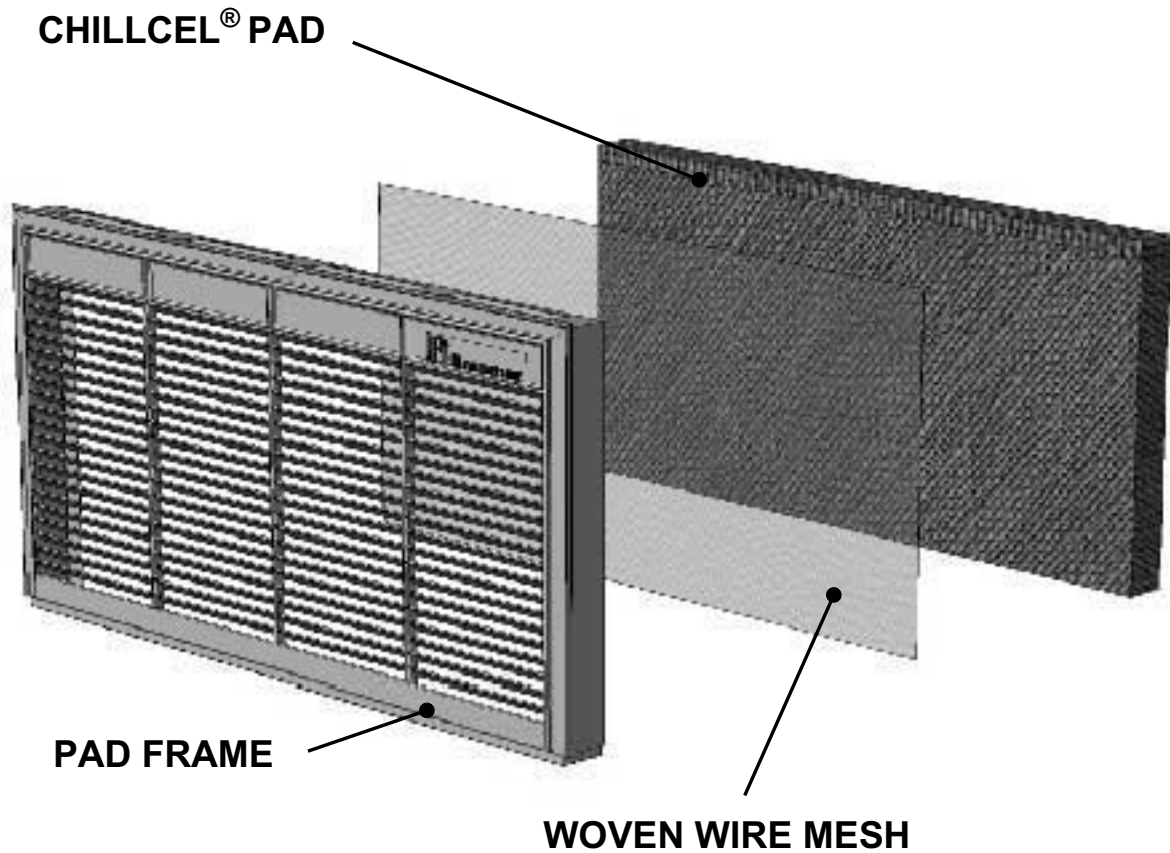
An added feature compared to other pumps, is its ability to clear any foreign objects, which would otherwise jam the impeller.

It is the policy of Seeley International to introduce continual product improvement. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.

Manufacturers and Designers of Technically Advanced Quality Heating and Cooling Products.....Oct 2005

Various evaporative coolers from the RPC range can now be ordered to suit the requirements for LOW to MEDIUM Bushfire areas in Australia.

RPC Bushfire rated coolers comply with BCA (Building Code of Australia) regulations. The units are supplied with a specifically designed stainless steel mesh fitted to the Louvred Pad Frames preventing any burning material from entering the unit



Units available RPC320DC, RPC400DC, RPC450DC

This Evaporative Airconditioner complies with the requirements of AS3959-1999 Section 3.9.1.6 for a LOW to MEDIUM Category of Bushfire Attack.