



Dehumidification PAC Unit  
DHP500 – DHP5000

# DHP Dehumidification PAC Unit



## Dehumidification PAC Unit Overview

The DHP series are packaged dehumidification units designed to provide an economical and practical solution for humidity control.

Reduction in moisture content is achieved by a combination of a plate heat exchanger and a packaged air conditioning system.

The solution is achieved through a 3-stage process where the air is cooled and dehumidified through the sensible heat exchanger; further cooled and dehumidified through the cooling coil; then

passing back through the opposite airflow path of the sensible heat exchanger to be reheated to the required supply air setpoint temperature. The standard equipment configuration includes EC plug fans, sensible heat exchanger, stainless steel drain tray, and associated controls.

DHP units are designed to supply air between 20-24°C at 50%RH. A reheat coil can be incorporated into the DHP unit to suit more specific design conditions.

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With nominal capacities of 500 – 5,000 l/sec, DHP units are ideally suited to applications where humidity control is essential such as:

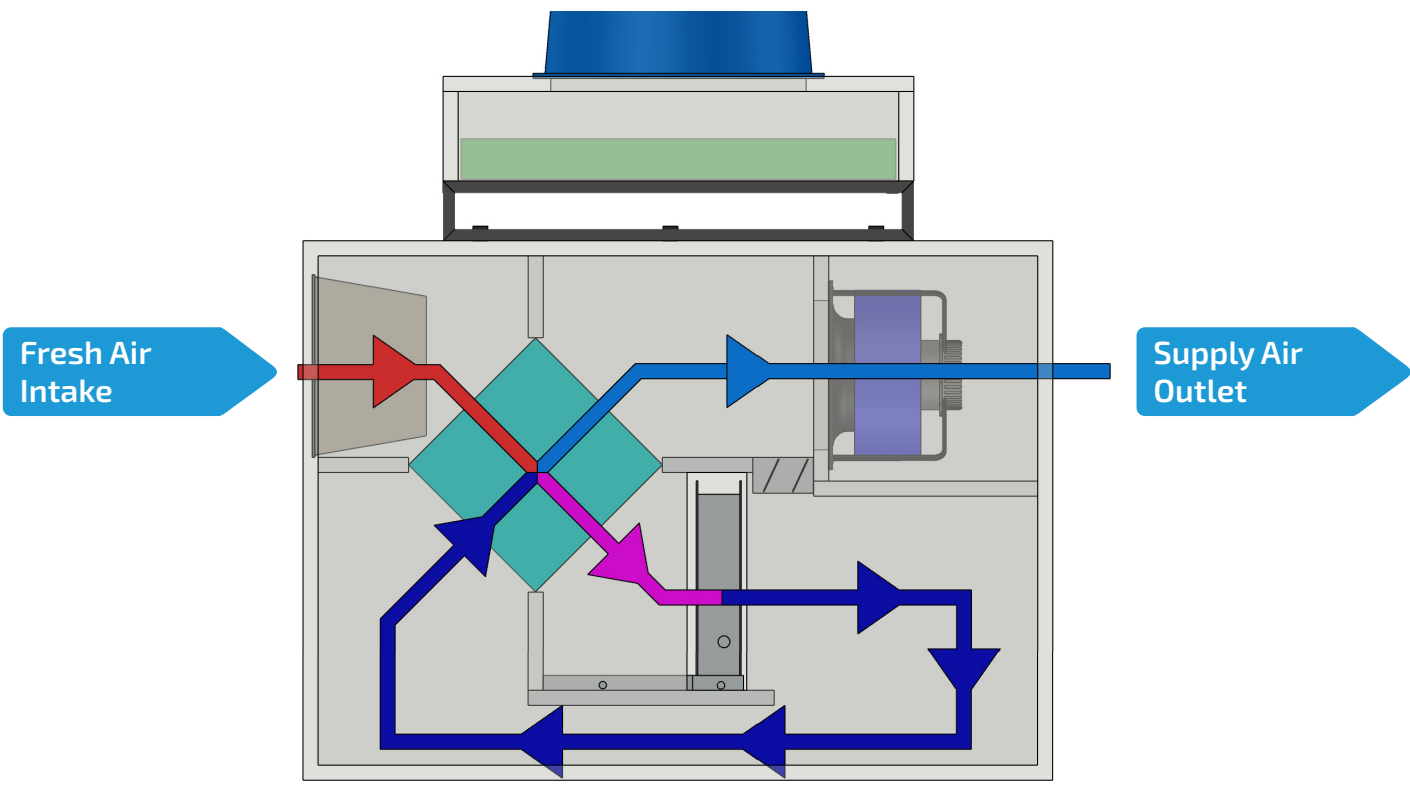
- Data Centre pressurisation
- Libraries, Archive Storage and Public Buildings, Surgery and Laboratories
- Apartment Lobby Ventilation
- Applications where tempered fresh air is required in hot and humid locations.



# Performance Data

| Model Number | Nominal Capacity (l/sec) | Cooling Capacity (kW) | Heating Capacity (kW) | Dimensions (mm) L x W x H |
|--------------|--------------------------|-----------------------|-----------------------|---------------------------|
| DHP500P3     | 500                      | 20 – 40               | 20                    | 2000 x 1400 x 2500        |
| DHP900P3     | 900                      | 20 – 50               | 20                    | 2100 x 1800 x 2500        |
| DHP1200P3    | 1200                     | 40 – 60               | 30                    | 2300 x 1800 x 2600        |
| DHP1700P3    | 1700                     | 50 – 80               | 30                    | 2300 x 2200 x 2600        |
| DHP2000P3    | 2000                     | 60 – 100              | 40                    | 2300 x 2600 x 2700        |
| DHP2500P3    | 2500                     | 80 – 120              | 60                    | 2300 x 2600 x 2700        |
| DHP3500P3    | 3500                     | 100 – 140             | 80                    | 2500 x 3800 x 2700        |
| DHP4000P3    | 4500                     | 120 – 180             | 100                   | 2500 x 4200 x 2700        |
| DHP5000P3    | 5000                     | 140 – 240             | 120                   | 2500 x 4600 x 2700        |

\* Rated at Standard Conditions of Summer 38°db/40%RH. Winter 3°db/68%RH. Subject to change. Contact our qualified engineers for your specific application.





# Fresh Air Indoors

For more information

W: [armcor.com.au](http://armcor.com.au)

E: [sales@armcor.com.au](mailto:sales@armcor.com.au)

P: (03) 8301 9200

109–111 Northcorp Blvd  
Broadmeadows Vic 3047

**armcor**  
air solutions