

Axial Fans

CTMS

PCA

**COOLING TOWER
PARTS**

If you have a
Cooling Tower or
Evaporative
Condenser
Call CTMS on
1300 133 440 or

For NEW Cooling
Towers and relat-
ed equipment visit
Process Cooling
Australia

For all your
Cooling Tower
Spare Parts visit
Australia's only
Parts Warehouse

Visit our website
[http://
www.coolingtower
central.com.au](http://www.coolingtowercentral.com.au)

Follow us On

[Twitter](#)

[Facebook](#)

[LinkedIn](#)

SERVICES AVAILABLE

Programmed Maintenance
Services and Breakdowns

Industrial Products &
Services

Thermal Performance
Testing

Cooling Tower Cleaning
Mechanical Services

Generally Axial fans are used where there is a need for a large volume of air or gas flow. The fan works by moving air parallel to the axis of rotation. This type of fan is best suited to low-resistance, high flow applications.

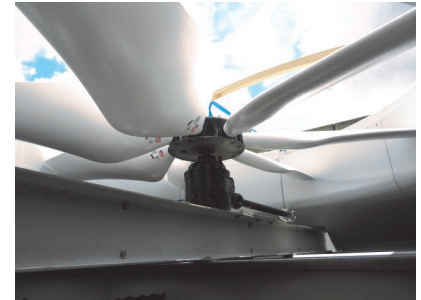
Axial fans have widely varied operation characteristics which depend upon blade width, shape, tip speed and number of blades.

Commonly, the size of fan for an air-cooled heat exchanger is less than 4.3 metres in diameter and has 4 blades whereas a wet cooling tower requires a larger fan approximately 8.5 metres with 8 blades. (for further information about what type of fan you require, please call our helpful team on the numbers shown.)

Fans come in many sizes ranging from 30 centimeters to over 25 metres in diameter for ease of selection for your application.

The considerations for selecting a fan are many and varied; examples of the parameters are

- ⇒ Fan Diameter
- ⇒ Airflow required for heat transfer duty
- ⇒ Actual static pressure from the sum of all resistances to airflow



- ⇒ Air temperature at plane of fan
- ⇒ Fan elevation above mean seal level or air density at fan
- ⇒ Fan speed in either tip (FPM) or rotational speed (RPM)
- ⇒ Velocity recovery stack required or installed?
- ⇒ Noise restrictions
- ⇒ What is the allowable horsepower?
- ⇒ Air temperature at the fan - ensure it does not exceed maximum fan operating or startup temperatures



Head Office
6/36 Blanck St, ORMEAU QLD 4208
P: (07) 5549 3888 F: (07) 5549 3800

Manufacturing Plant
Unit 2/4 Cumberland Ave, SOUTH NOWRA NSW 2541
P/F: (02) 4422 6890