



®

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CASE STUDY

CARINE SHS SPORTS HALL

- PERTH, WA

INTRODUCTION

Carine is a competitive high school specialising in sports and the arts located in Perth, WA.

With a new \$32 million dollar building program underway, it is set to provide facilities for the projected growth of the school and to upgrade existing facilities - namely their sports hall. These upgrades will ensure a modern and enjoyable learning environment for its students.

THE CHALLENGE

In instances where the school atmosphere becomes excessively hot or cold, it frequently disrupts the capacity to focus and acquire knowledge.

The impact of thermal discomfort extends to hindering learning and lowers the investments made in student education.

Addressing the challenge of thermal comfort cooling becomes crucial.



THE SOLUTION

The installation of **10 Air Pear Fans**

Product: Air Pear Model 60-P4

Use Case: Airflow Cooling

Range: Equalize temperature & humidity, from floor to ceiling, heights up to 7.5 metres

- ✓ Installs in areas where other fans will not physically fit
- ✓ Easy installation in new construction or retrofits
- ✓ Patented multi-vane stator & venturi nozzle. Designed to gently throw air over long distances for ceiling to floor air rotation
- ✓ Customised housing to conceal fans within suspended ceiling for a flush look



Each fan has both met and exceeded my expectations. I must say that I am thoroughly impressed with the results, both aesthetically and in terms of performance.

The noise levels are well within the acceptable range, ensuring a pleasant and comfortable environment for students.

The airflow circulation is excellent, effectively maintaining a consistent and comfortable airflow throughout the hall.

CARMELO TILARO
Associate -SMW&C



THE BENEFITS

- Excellent summer cooling value ✓
- No large blades = no dust collected ✓
- Low noise ✓
- No turbulence ✓
- Less ceiling space occupied by fans ✓
- No strobing of lighting distracting students ✓
- Simple to install - No structural requirements ✓
- Much less power use than ceiling fans ✓
- Greatly improved air circulation ✓
- Full speed control capability is offered in five steps from 0-100% ✓

The *PHI* air purification units with our **Airius Air Pear** fans not only purify the air but have been shown to reduce absenteeism and the spread of infections significantly in schools. Providing better air quality and comfort ✓



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