

Case Study

Gym chooses HMX-IDECool for a healthy workout

Background

The “Shape of You” is a popular gymnasium in Bengaluru, India. The owner of the recently opened 1700 square foot gym wanted to provide a healthy, cool, and comfortable atmosphere to his customers to workout.

Challenges

Generally, the air quality in gymnasiums is poor due to the high levels of CO₂ exhaled by the people working out, compounded by the unpleasant odour of perspiration. The owner of Shape of You wanted his customers to be able to work out in an environment with oxygen-rich, fresh, clean, and cool air. The air-conditioner, which generally is the choice for cooling a gym, was ruled out as ACs recirculate the cooled air which increases CO₂ levels and doesn't reduce odours.

The challenge was thus to find a suitable solution that will meet the objectives and at the same time be affordable.

Solution

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Result

The IDECool has been able to maintain a temperature of 25-28°C throughout the year. By supplying cool, oxygen-rich air, the levels of CO₂ in the gym have reduced as well. The supply of fresh air also greatly reduced the odour of perspiration.

The icing on the cake is the significantly lower opex of IDECool when compared to conventional air-conditioners.

Area cooled	1700 ft ²
Application	Gymnasium cooling
Number of machines installed	One IDECool 6
Machine capacity	6000 CFM*
Temperature outside the hall	30°C
Temperature inside the hall	25°C

**Cubic Feet per Minute*

Conclusion

The customer is delighted with the performance of the IDECool as it provides a clean, healthy, cool and comfortable environment for people to exercise.

The IDECool is a standardised product, using HMX's renowned DAMA technology. HMX is a world leader in Indirect Direct Evaporative Cooling and has the world's largest installed base of more than 40 million CFM.

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