

A modern office selects HMX-IDEC for employee comfort and well-being

Background

Established in 1988, Enpro Industries Pvt. Ltd. is a world leader in design and manufacturing of mechanical fluid systems and process equipment. In 2019, the company opened new headquarters in Pune to support its growing business.

Challenges

The Enpro management wanted its new five-storey building to be of contemporary design with features that give access to plenty of natural light and fresh air for its occupants. The building was designed by the renowned architect Usha Rangarajan of the Landmark Design Group in Pune.

To meet its goal of access to fresh air, Enpro was looking for a high indoor quality fresh-air with energy-efficient cooling system which would help the occupants stay alert, productive, and healthy throughout the day in office.

Solution

After evaluating multiple options, the management zeroed in on HMX-IDEC (Indirect Direct Evaporative Cooling) for its ability to deliver 100% fresh-air based energy-efficient cooling creating an ideal working environment.

Moreover, HMX-IDEC consumes up to 60% less energy, when compared to air-conditioning systems.

Thus, 12 nos. HMX-IDEC machines with a combined capacity of close to 100,000 CFM were installed on the terrace of the building, which cater to the workstations on each floor, the cafeteria and the reception area.

Results

- **LEED® Platinum certification:** The installation of HMX-IDEC has contributed to securing **LEED® Platinum** rated certification for this building
- **Indoor air quality (IAQ):** Employees enjoy the benefits of enhanced indoor air quality (IAQ), which positively impacts their cognitive skills, energy levels and reduces infection risk
- **Open, well-lit spaces:** As the system enables the occupants to keep their windows open, it increases natural light, while maintaining a dust free environment
- **Operational expenses:** High energy efficiency combined with minimum maintenance results in a low cost of operation

This highly successful installation of the HMX-IDEC (Indirect Direct Evaporative Cooling) system at Enpro underscores numerous benefits that amply demonstrates that it is well suited for office spaces.