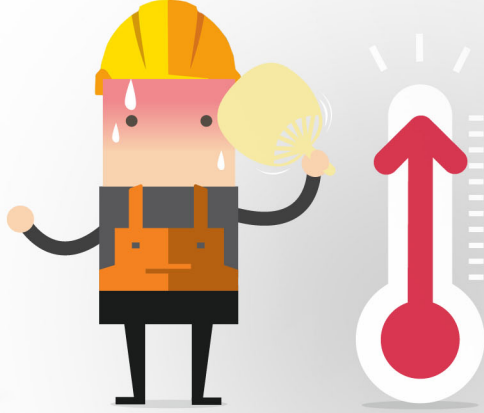


# HEAT



## HOW IT AFFECTS THE PRODUCTIVITY OF YOUR STAFF

With rising temperature comes a loss in productivity. Many factors contribute to this, including hot ambient conditions and process heat generated.

**25%**  
workers slow down when it's hot



**67%**  
of employees socialise with co-workers when it's hot



**13%**  
more time is taken to complete projects



**50%**  
people take extended lunch breaks when it's warm



Source: 'Heat stress and its effect on psychological aspects of workers in India' – Prof. Dheeraj Sharma (IIM Ahmedabad) and Prof. Rajesh Chandwani (IIM Ahmedabad)

## HOW FRESH AND COOL AIR AFFECTS PRODUCTIVITY

Simply providing cooling for your workers is only part of the answer. In order to be at their productive best, people need a constant supply of oxygen-rich, **100% fresh, clean, and cool air!**

**0.2%**  
rise in productivity for each 1°C drop in temperature\*



Adhvaryu et al. 2014 U Michigan on 29 garment factories in Bengaluru  
\*Valid for temperatures between 21-25°C. Below 21°C, productivity falls at the same rate as above 25°C  
- US Department of Energy (<https://www.osti.gov/scitech/servlets/purl/813396/>)

**8.8%**  
higher operator performance at a call centre by raising fresh air supply from 9.8 to 22.7 l/s-person (at indoor temperature 24.5°C)



Tham et al. 2003 call centre in Thailand

**85%**  
drop in common colds in crowded dormitories by raising fresh air to 5 l/s-person from 1 l/s-person



Sun et al. 2011 3700 students in 1500+ dorm rooms

**12%**  
higher productivity possible by maintaining comfort conditions



Sharma & Chandwani 2016 IIM Ahmedabad study on Indian factories

## HMX - your eco-friendly cooling expert



Optimum cooling



100% fresh air



Energy efficiency



Indoor Air Quality (IAQ)



Environment friendly



Affordable life cycle cost

Our cooling range includes:  
Indirect Direct Evaporative Cooling (IDEC) | Treated fresh air systems (TFAs) | Hybrid air-conditioning