

# Industrial Cooling Fans

**Howden cooling fans deliver energy and carbon dioxide (CO<sub>2</sub>) savings for our customers** performing well beyond international fan efficiency targets.



## United Nations Sustainable Development Goals

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation.

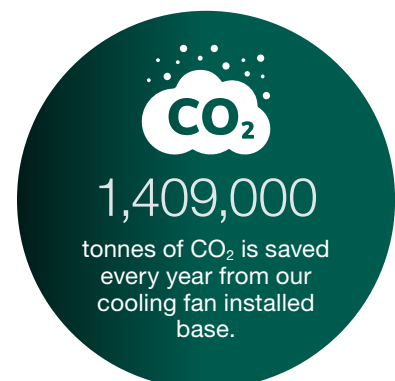
Our highly efficient cooling fans contribute to **United Nations Sustainable Development Goals** by enabling our customers to build more sustainable industry and infrastructure.

**Howden, a Chart Industries Company, has been at the forefront of cooling fan technology for over 50 years.**

Our range of cooling fans serve a diverse set of sectors including energy, oil & gas facilities, industrial manufacturing, data centres and commercial buildings.

## Environmental benefits of Howden's cooling fans

Each fan model brings unique benefits to our customers. Howden's fan can be tailored and our flexible design solutions ensure optimum energy efficiency and therefore reducing associated CO<sub>2</sub> emissions. Our comprehensive aftermarket capability can optimise fan performance throughout the life of each application.





### Calculating our CO<sub>2</sub> reduction

We studied the efficiencies of over 31,000 Howden fans of various types and their corresponding air flows, static pressures, maximum speeds and maximum power consumptions using the rules from the EU regulations.

We know where our fans are used around the world and applied the appropriate CO<sub>2</sub> conversion factors for each location.

We studied the performance of our installed base of cooling fans against current EU efficiency targets and found that our efficiencies are often significantly better than this target.

### Environmental commitment

## The contribution of Howden products to reducing our customers' carbon footprint significantly outweighs our own carbon footprint.

Our carbon footprint (baselined in 2020) is just over 28,000 tonnes per year. We are committed to reducing this by 50% by 2030, and to be carbon net zero by 2035.

We will achieve these targets by switching to carbon free energy, focusing on energy conservation and the continual development of more energy recovery initiatives.

We use the Greenhouse Gas (GHG) reporting protocol framework to capture our Scope 1 and Scope 2 emissions and have joined the Carbon Disclosure Project. We also disclose to our supply chain partners through the Ecovadis platform.

By 2030 we intend to send Zero Waste to Landfill at 50% of our operations and by 2030 reduce mains water usage by 30% across our company.



#### For further information:

**Industrial Cooling Fans** | [howden.cloud/PSP-cooling-fan](https://howden.cloud/PSP-cooling-fan)

**Howden's ESG commitments** | [howden.cloud/PSP-ESG](https://howden.cloud/PSP-ESG)

