



# Heavy Duty Airfoil & Backward Curved Fans



SET IT  
AND  
FORGET IT

---

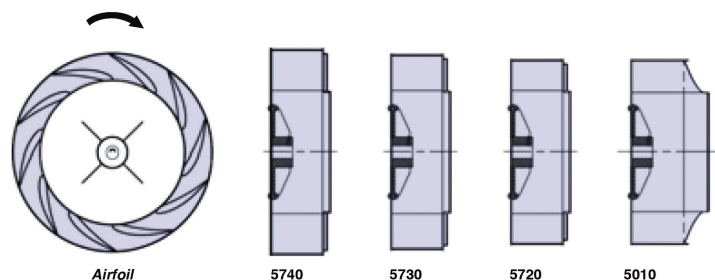
Every Northern Blower  
fan is designed to last.

# SERIES 5700

## Industrial Airfoil

The Northern Blower Industrial Airfoil (IAF) wheels have a hollow airfoil design for high operating efficiency and a non-overloading horsepower characteristic. The 5700 Series Industrial Airfoil fan is intended for use in petrochemical, power generation and pollution control applications where efficient and stable operation are required in complex systems that create a higher static pressure demand.

Each wheel design offers multiple widths and is selected to precisely match the volume and pressure requirements of the specified system. Performance for these widths is determined using Northern Blower's FanFinder™ fan selection program.



Northern Blower's Industrial Airfoil fans have multiple sub-designs with overlapping performance. These design ranges allow Northern Blower to pinpoint the optimal fan design, width and diameter for your performance needs.

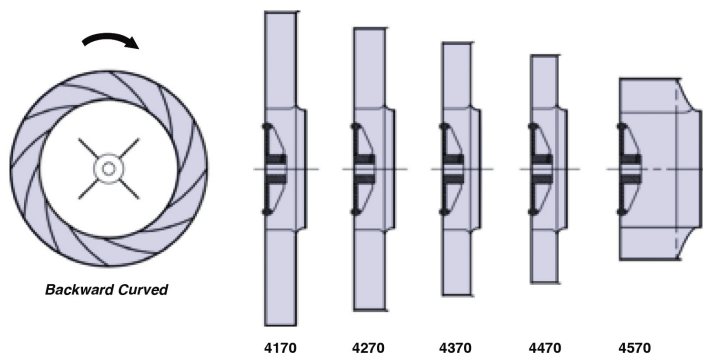


# SERIES 4000

## Backward Curved Industrial

The Northern Blower Backward Curved Industrial (BCI) wheels have a single camber, backward curved design for high operating efficiency and a non-overloading horsepower characteristic. The 4000 Series heavy duty backward curved fan is manufactured with solid, heavy gauge steel or alloy blades to withstand mildly erosive and high temperature environments.

Each wheel design offers a range of diameters which is selected to precisely match the volume and pressure requirements of the specified system. Performance for these diameters is determined using Northern Blower's FanFinder™ fan selection program.



Northern Blower's Backward Curved Industrial fans have multiple sub-designs with overlapping performance. These design ranges allow Northern Blower to pinpoint the optimal fan design, width and diameter for your performance needs.



## REDUCE OPERATING COSTS

Northern Blower customizes wheel width and diameter to meet optimum performance efficiency.



Northern Blower Inc. has delivered custom industrial fan solutions to customers worldwide since our founding in 1959. We strive to understand your fan application and can design and manufacture your optimal fan. From specialized material, critical application small horsepower units to large induced draft fans for cement and power plants, we are prepared to deliver whatever your project demands. Northern Blower equipment is built to last and can be configured to meet stringent specifications, including those outlined by the American Petroleum Institute.

Northern Blower's Series 4000 Backward Curved Industrial and Series 5700 Industrial Airfoil fan designs provide highly efficient operating characteristics over an extensive range of system requirements. These design series each contain a sequence of aerodynamically similar non-overloading wheels. Each wheel is available in multiple diameters or widths for any given fan size to provide a complete performance spectrum. As a result, our fan can precisely match a system's volume and pressure requirements for optimum efficiency and reduced operating costs.



Multiple wheel designs allow for optimized efficiency and reduced operating costs.

#### COMMON APPLICATIONS:

- Supply and Exhaust for Pulp & Paper and Tissue Plants
- Chemical Process Equipment
- Agricultural & Food Processing Equipment
- Thermal Oxidizers
- Baghouses
- Scrubbers
- Combustion Air Supply
- Forced Draft
- Induced Draft
- Drying Kilns
- Fans designed and manufactured to API560 or API673 standards



**Northern Blower Inc.**  
901 Regent Avenue West  
Winnipeg, Manitoba R2C 2Z8