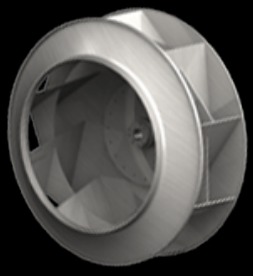
Centrifugal Industrial Fans

Industrial Air Technology Corp. manufactures many different types, models and sizes of Centrifugal Industrial Fans and blowers to meet the needs of most industrial applications. We are equally comfortable processing custom designs as well as our standard designs.

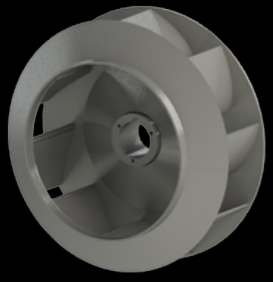
GPBI General Purpose Backward Inclined



Economical, modular design allows for short lead times and a competitive price while offering similar performance to our BISW line up to AMCA Class 3.

Sizes 12" – 36" Wheel Diameter
AMCA Class 1, 2 & 3
Volume up to 47,000 CFM
Pressure up to 18.5" WG
Temperature Range -30° to 600°F
Arrangements 1, 4, 4V, 8, 9, 10

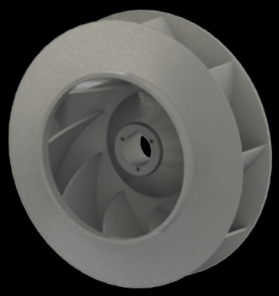
AFSW Airfoil Single Wide



Wheels have aerodynamically shaped blades providing non-overloading, highly efficient performance for relatively clean air applications.

Sizes 18 ¼" – 89" wheel diameter
AMCA Class 2, 3 & 4
Volume Up to 315,000 CFM
Pressure Up to 28" WG
Temperature Range -30° to 800°F
Arrangements 1, 3, 4, 4V, 7, 8, 9

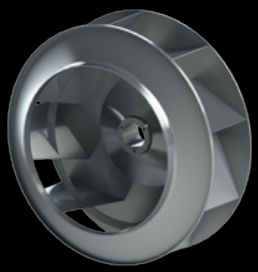
BCHS Backward Curved High Speed Wheel



Wheels have backward curved blades providing non-overloading, highly efficient performance for relatively clean air applications.

Sizes: 18 ¾" – 90 ¾" wheel diameter
Construction Class 30 & 40
Volume up to 220,000 CFM
Pressure up to 45" WG
Temperature Range -30° to 800°F
Arrangements 1, 3, 7, 8, & 9

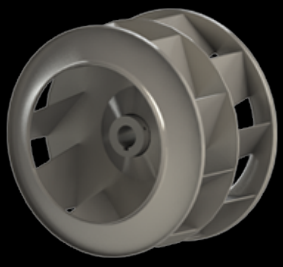
BISW Backward Inclined Single Wide



Wheels have flat, backwardly inclined, single thickness blades. Non-overloading high efficiency design generates low to moderate pressures.

Sizes 12 ¼" – 98 ¼" wheel diameter
AMCA Class 2, 3, 4 & 5
Volume up to 445,000 CFM
Pressure up to 28" WG
Temperature Range -30° to 800°F
Arrangements 1, 3, 4, 4V, 7, 8, 9

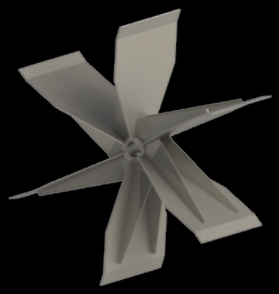
BIDW Backward Inclined Double Wide



Wheels are backwardly curved design for high efficiency, low noise used for low - medium and medium - high pressure applications where clean to lightly loaded air is present. Applications include primary air supply; product cooling; combustion air; drying; glass blowing and cooling; gas boosting; and pneumatic conveying.

Sizes 18 ¼" – 73" wheel diameter
AMCA Class 2 & 3
Volume up to 330,000 CFM
Pressure up to 18" WG
Temperature Range -30° to 200°F
Arrangements 3 & 7

IRO (Paddle Wheel) Industrial Exhauster Series

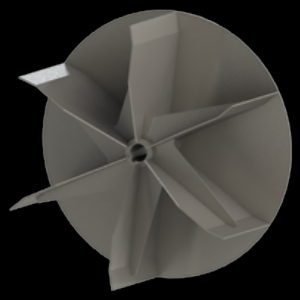


Paddle wheel design used for light to medium material handling applications where moderate pressure and CFM are required.

Sizes 12 ¼" – 85 ¼" wheel diameter
Construction Class 15, 30 & 50
Volume uo to 198,000 CFM
Pressure up to 50" WG

Temperature Range -30° to 1000°F
Arrangements 1, 8, & 9

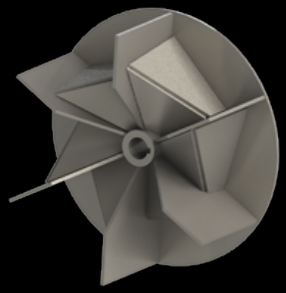
IRF (Flat Back Plate) Industrial Exhauster Series



Wheel with flat radial blades and flat back plate design prevent stringy or fibrous material from hanging up and wrapping around the blades, and used for light to medium material handling applications.

Sizes 12 ¼" – 85 ¼" wheel diameter
Construction Class 15, 30 & 50
Volume up to 92,000 CFM
Pressure up to 50" WG
Temperature Range -30° to 1000°F
Arrangements 1, 4, 4V, 8, & 9

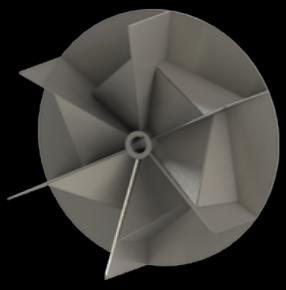
IRW (Radial Tip) Industrial Exhauster Series



Back plated and box gusseted wheels are used for moderate pressure and for heavier fibrous material handling (paper, plastic, metal, and wood).

Sizes 12 ¼" – 35 ½" wheel diameter
Construction Class 30 & 50
Volume up to 37,000 CFM
Pressure up to 50" WG
Temperature Range -30° to 1000°F
Arrangements 1, 4, 8, & 9

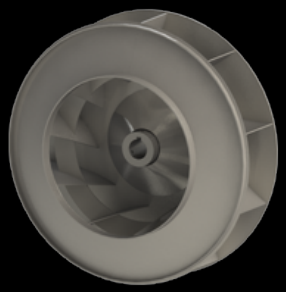
IRV (Radial Tip) Industrial Exhauster Series



Wheels back plated with machined blade edges and bull-nose hub for stringy material handling applications.

Sizes 12 ¼" – 35 ½" wheel diameter
Construction Class 30 & 50
Volume up to 37,000 CFM
Pressure up to 50" WG
Temperature Range -30° to 1000°F
Arrangements 1, 4, 8, & 9

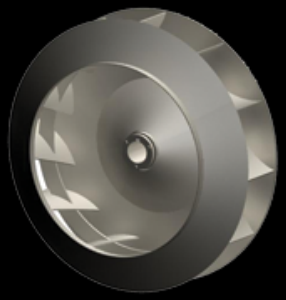
IRT (Radial Tip) Industrial Exhauster Series



Radial tip designed wheels are used for moderate pressure for higher efficiency in moderately dust-laden air.

Sizes 12 ¼" – 85 ¼" wheel diameter
Construction Class 15, 30 & 50
Volume up to 140,000 CFM
Pressure up to 50" WG
Temperature Range -30° to 1000°F
Arrangements 1, 3, 4, 7, 8, & 9

RTS Radially Tipped

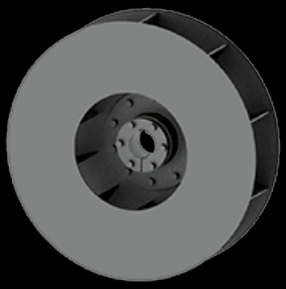


Wheels are a heavy duty, high efficiency design suitable for applications involving large volume gas streams at moderate pressure. Self-cleaning wheel can handle dirty air without fouling.

Sizes 27" – 80 ¾ " wheel diameter
Construction Class 30
Volume up to 375,000 CFM
Pressure up to 40" WG
Temperature Range -30° to 800°F
Arrangements 1, 3, 7, 8, & 9

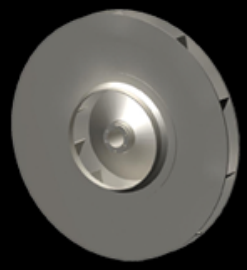
PB Pressure Blowers

Shrouded optimized bladed design offers efficient and stable performance over a wide range of pressure and volume requirements. Inlet and outlet flanges are round for easy standard pipe duct connections. Suitable for a wide range of applications including combustion air, drying, conveying, cooling, and other process air systems.



Sizes 14" - 26" Wheel Diameter
Construction Class 60
Volume Up to 10,250 CFM
Pressure Up to 66" WG
Temperature Range -30° to 600°F
Arrangements 1, 4, 4V, 8, 9, 10

BCLS Backward Curved Lower Volume



Wheels are backwardly curved design for high efficiency, low noise used for low - medium and medium - high pressure applications where clean to lightly loaded air is present. Applications include primary air supply; product cooling; combustion air; drying; glass blowing and cooling; gas boosting; and pneumatic conveying.

Sizes: 27″ – 73″ wheel diameter
Construction Class 100
Volume up to 73,000 CFM
Pressure up to 78″ WG
Temperature ranges -30° to 1000°F
Arrangements 1, 4 & 8

TROH Turbo Radial Open High

Radially bladed wheel design for very stable operation to shut off. Suitable for high temperature and high volume turndown applications. Extremely rugged, high pressure construction with round inlet and outlet connections, for easy standard pipe duct connections. Applications include combustion air; cooling; gas boosting; water stripping; fluid beds; glass blowing; textile fiber stripping; product drying; and pneumatic conveying.

Sizes: 20″ – 58″ wheel diameter
Construction Class 100
Volume up to 34,000 CFM
Pressure up to 80″ WG
Temperature Ranges -30° to 1000°F
Arrangements 1, 4, 8 & 9

TROL Turbo Radial Open Low

Radially bladed wheel design for very stable operation to shut off. Suitable for high temperature and high volume turndown applications. Extremely rugged, high pressure construction with round inlet and outlet connections, for easy standard pipe duct connections. Applications include combustion air; cooling; gas boosting; water stripping; fluid beds; glass blowing; textile fiber stripping; product drying; and pneumatic conveying.

Sizes: 20″ – 60″ wheel diameter
Construction Class 100
Volume up to 15,000 CFM
Pressure up to 85″ WG
Temperature Ranges -30° to 1000°F
Arrangements 1, 4, 8 & 9