

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 1/4" – 85 1/4" wheel diameter
- Construction class 15, 30 & 50
- Volume up to 200,000 CFM
- Pressure up to 50" WG
- Temperature Range -30°F to 1000°F
- Arrangements 1, 8, & 9



Arrangement 1 Shown

WHEEL TYPE IRO

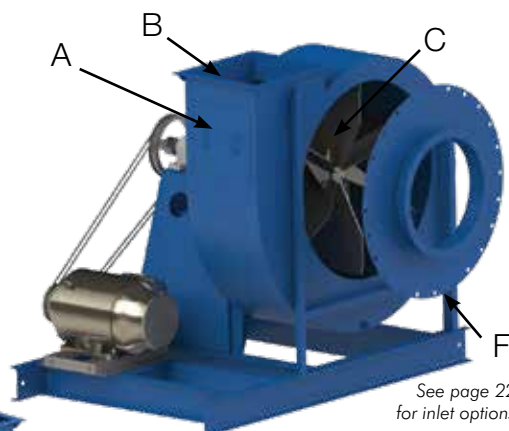
Steel Wheel

- For light to medium material handling applications
- No shroud
- Flat radial blades
- Operating temperatures up to 1000°F
- Wear liners or abrasion resistant materials available



IRO

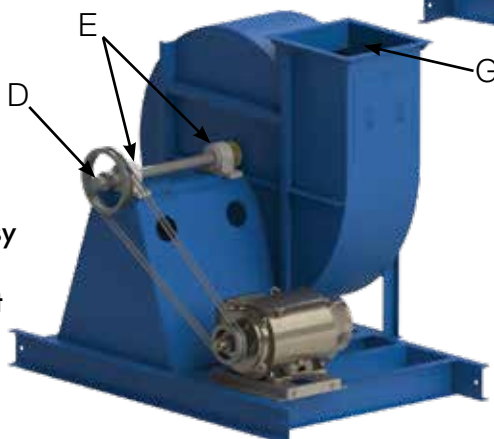
- A. Continuously welded steel housing
- B. Fixed housing with any discharge angle
- C. All wheels are balanced to grade G6.3 or better
- D. Shafting is 1045 bearing grade TG&P
 - Sized for the first critical speed to be 1.25 times the max speed or higher
- E. Anti-friction pillow block bearings
 - Premium grease lubrication
 - Rated bearing life (L10) of 40,000 hours
- F. Inlet (flange style shown)
- G. Flanged outlet with mounting holes



See page 22
for inlet options

ADDITIONAL FEATURES

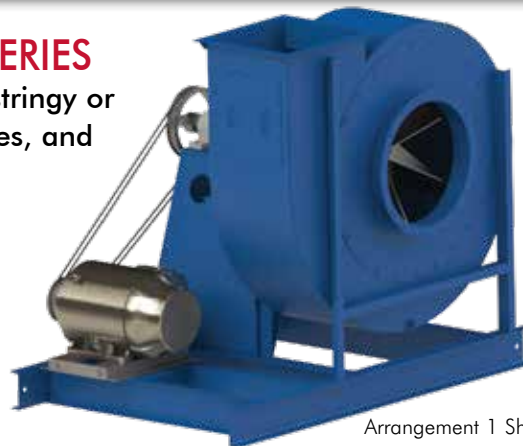
- Lifting lugs for use in installation
- Extended lubrication lines for easy maintenance
- Standard IATC blue enamel paint



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 1/4" – 57 1/4" wheel diameter
- Construction class 15, 30 & 50
- Volume up to 92,000 CFM
- Pressure up to 45" WG
- Temperature Range -30°F to 1000°F
- Arrangements 1, 4, 4V, 8, & 9



Arrangement 1 Shown

WHEEL TYPE IRF

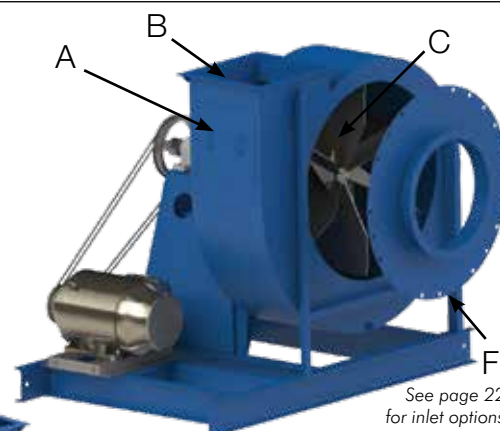
Steel Wheel

- For light to medium, stringy or fibrous material handling applications
- Flat back plate
- Flat radial blades
- Operating temperatures up to 1000°F
- Wear liners or abrasion resistant materials available



IRF

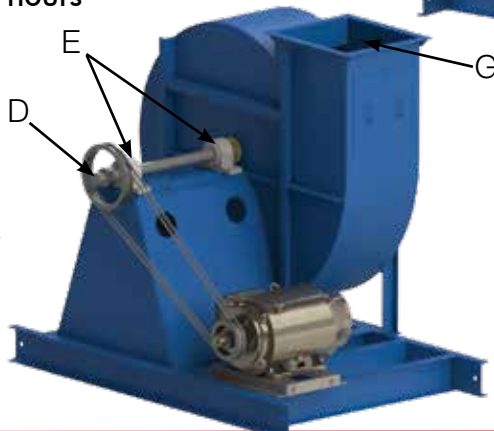
- A. Continuously welded steel housing
- B. Fixed housing with any discharge angle
- C. All wheels are balanced to grade G6.3 or better
- D. Shafting is 1045 bearing grade TG&P
 - Sized for the first critical speed to be 1.25 times the max speed or higher
- E. Anti-friction pillow block bearings
 - Premium grease lubrication
 - Rated bearing life (L10) of 40,000 hours
- F. Inlet (flange style shown)
- G. Flanged outlet with mounting holes



See page 22
for inlet options

ADDITIONAL FEATURES

- Lifting lugs for use in installation
- Extended lubrication lines for easy maintenance
- Standard IATC blue enamel paint



IRW (RADIAL) 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 19" – 36 ½" wheel diameter
- Construction class 30 & 50
- Volume up to 35,000 CFM
- Pressure up to 45" WG
- Temperature range -30°F to 1000°F
- Arrangements 1, 4, 8, & 9

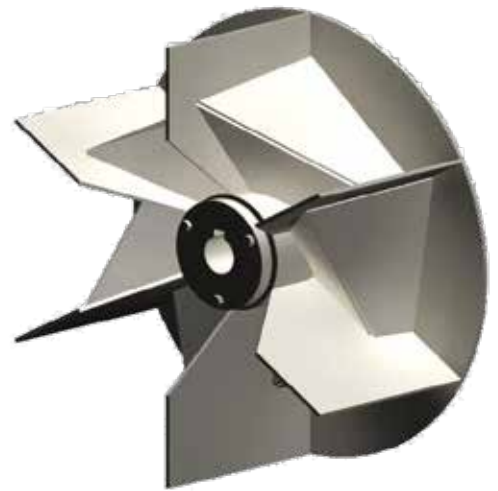


Arrangement 1 Shown

WHEEL TYPE IRW

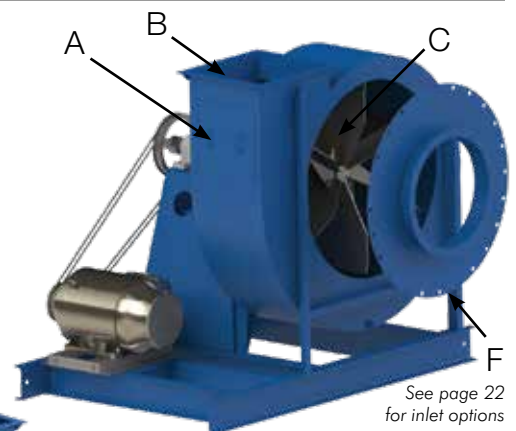
Steel Wheel

- For moderate to heavy fibrous material handling applications
- Flat back plate
- Flat radial blade with box gussets
- Operating temperatures up to 1000°F
- Abrasion resistant materials available



IRW

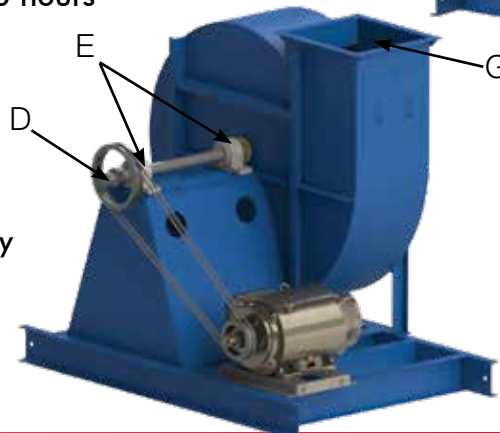
- A. Continuously welded steel housing
- B. Fixed housing with any discharge angle
- C. All wheels are balanced to grade G6.3 or better
- D. Shafting is 1045 bearing grade TG&P
 - Sized for the first critical speed to be 1.25 times the max speed or higher
- E. Anti-friction pillow block bearings
 - Premium grease lubrication
 - Rated bearing life (L10) of 40,000 hours
- F. Inlet (flange style shown)
- G. Flanged outlet with mounting holes



See page 22
for inlet options

ADDITIONAL FEATURES

- Lifting lugs for use in installation
- Extended lubrication lines for easy maintenance
- Standard IATC blue enamel paint



IRV (RADIAL) INDUSTRIAL EXHAUSTER SERIES

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

- Sizes 19" – 36 ½" wheel diameter
- Construction class 30 & 50
- Volume up to 35,000 CFM
- Pressure up to 45" WG
- Temperature range -30°F to 1000°F
- Arrangements 1, 4, 8, & 9

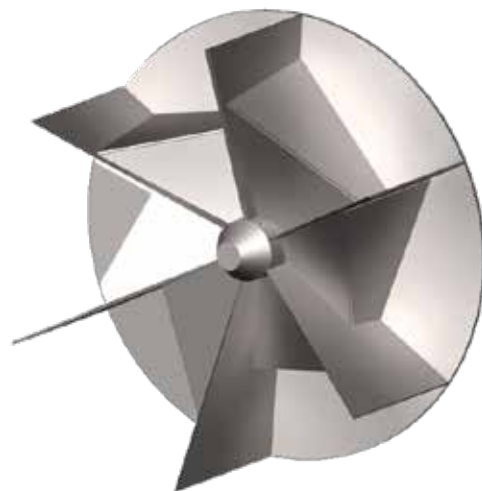


Arrangement 1 Shown

WHEEL TYPE IRV

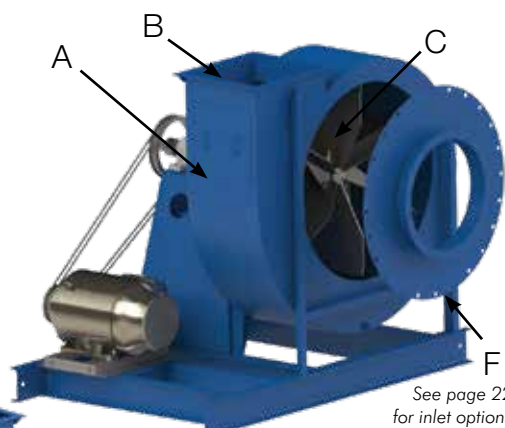
Steel Wheel

- For light to medium material handling applications
- Flat back plate
- Flat radial blades with machined leading edge with box gussets
- Operating temperatures up to 1000°F
- Chopper wheel design
- Abrasion resistant materials available



IRV

- A. Continuously welded steel housing
- B. Fixed housing with any discharge angle
- C. All wheels are balanced to grade G6.3 or better
- D. Shafting is 1045 bearing grade TG&P
 - Sized for the first critical speed to be 1.25 times the max speed or higher
- E. Anti-friction pillow block bearings
 - Premium grease lubrication
 - Rated bearing life (L10) of 40,000 hours
- F. Inlet (flange style shown)
- G. Flanged outlet with mounting holes



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for inlet options

ADDITIONAL FEATURES

- Lifting lugs for use in installation
- Extended lubrication lines for easy maintenance
- Standard IATC blue enamel paint

