

IRT (RADIAL TIP) INDUSTRIAL EXHAUSTER SERIES

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

- Sizes 19 1/8" – 85 1/4" wheel diameter
- Construction class 15, 30 & 50
- Volume up to 140,000 CFM
- Pressure up to 45" WG
- Temperature range -30°F to 1000°F
- Arrangements 1, 3, 4, 7, 8, & 9



Arrangement 1 Shown

WHEEL TYPE IRT

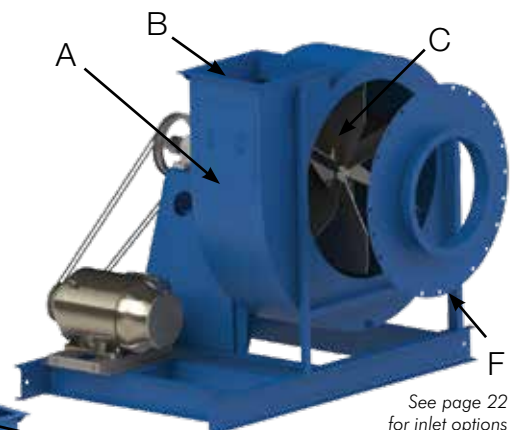
Steel Wheel

- For light to medium dust laden applications
- Tapered shroud
- Radial tip blades
- Operating temperatures up to 1000°F
- Abrasion resistant materials available



IRT

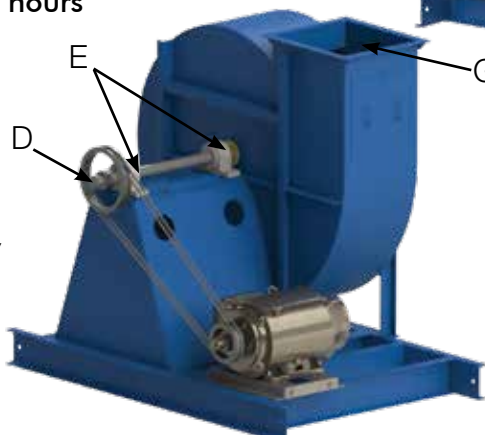
- A. Continuously welded steel housing
- B. Fixed housing with any discharge angle
- C. All wheels are balanced to grade G6.3 or better
- D. Shafting is 1045 bearing grade TG&P
 - Sized for the first critical speed to be 1.25 times the max speed or higher
- E. Anti-friction pillow block bearings
 - Premium 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



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 $\frac{3}{4}$ " wheel diameter
- Construction class 30
- Volume up to 375,000 CFM
- Pressure up to 40" WG
- Temperature range -30°F to 800°F
- Arrangements 1, 3, 7, 8, & 9



Arrangement 1 Shown

WHEEL TYPE RTS

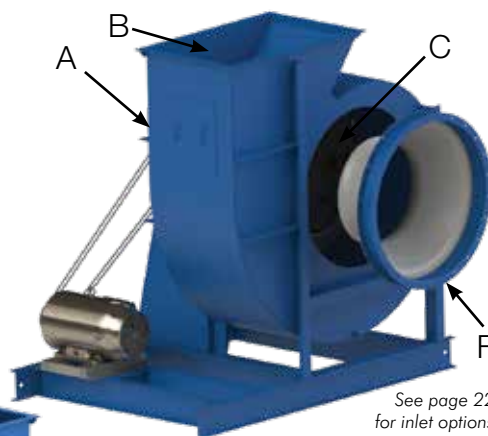
Steel Wheel

- For clean to moderately dirty applications
- Tapered shroud
- Radially tip blades
- Operating temperatures up to 800°F
- Abrasion resistant materials available



RTS

- 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 100,000 hours
- F. Inlet (flange style shown)
- G. Flanged outlet with mounting holes



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- Lifting lugs for use in installation
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