

# Roots® Blower



## 33 URAI-J

Part Number – 7406502x\*

Repair Kit w/o Gears: 651050RK

\*Replace “x” with shaft location (i.e., L=Left, T=Top, etc.)

Patented WHISPAIR™ blowers operate with up to 40% less pressure pulsation than conventional blowers, due to the pressure equalizing effect of the WHISPAIR jet design. This design results in longer bearing life, lower vibration, and reduces noise by approximately 5 dBA vacuum and 3 dBA pressure.

- Shaft Configurations available: Left, Right, Top, Bottom
- Detachable steel mounting feet
- Rigid one-piece cast iron casing
- Connections in standard pipe sizes
- Straight, precision machined two-lobe impellers
- Splash oil lubricated gears
- Carburized and ground alloy steel spur timing gears
- Anti-Friction gears
- Ground steel shafts

### Also Available in:

- URAI
- URAI-DSL (Dual Splash Lube)
- URAI-J (Whispair)
- URAI-G (Gas)

### Quick Specs

Flow Range	to 195 CFM
Max ΔPressure	12 PSI
Max ΔVacuum	15" Hg
Maximum RPM	3600
Minimum RPM	1090
Max ΔT	225°F
Connection Size	2" FPT
Shaft Dia.	0.75"
Min Sheave Dia.	5"
Drive End Lubrication	Grease
Gear End Lubrication	Oil
Oil Sump Gear End Horiz Config	10.5 oz
Oil Sump Gear End Vert Config	8.5 oz
URAI Bare Unit Weight	81 lbs
Shipping Weight	85 lbs
Shipping Container	Box
Box Size (L x W x H)	17" x 16" x 12"
Can Ship via	UPS Insured



## Roots Authorized

Representative  
Distributor  
Packager  
Repair Center

**816-207-0090**

Sound Enclosures  
Custom Fabrication  
Blower Packages  
Valves, Gauges & Sensors  
Spool Pieces  
Blower Parts  
Oil and Grease  
Silencers & Filters  
Filter Elements  
Air Handling Equipment  
Screw Conveyors

