

# Roots® Blower



## 45 URAI-J-DSL

Part Number – T3041002x\*

Repair Kit w/o Gears: 651080RK

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

- 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 gear and drive ends
- Carburized and ground alloy steel spur timing gears
- Anti-Friction gears
- Ground steel shafts

### Also Available in:

- URAI
- URAI-J (Whispair)
- URAI-G (Gas)
- URAI-DSL



Patented WHISPAIR™ blowers reduce noise and power loss by utilizing an exclusive wrap-around plenum and proprietary WHISPAIR jet to control pressure equalization-feeding backflow in the direction of impeller movement, thereby aiding rotation. This design results in longer bearing life, lower vibration, and reduces noise up to 5 dBA pressure or vacuum.

### Quick Specs

Flow Range	to 395 CFM
Max ΔPressure	10 PSI
Max ΔVacuum	15" Hg
Maximum RPM	3600
Minimum RPM	848
Max ΔT	225°F
Connection Size	2.5" FPT
Shaft Dia.	0.875"
Min Sheave Dia.	5"
Drive End Lubrication	Oil
Gear End Lubrication	Oil
Oil Sump Gear End Horiz Config	14.5 oz
Oil Sump Gear End Vert Config	12.7 oz
Oil Sump Drive End Horiz Config	10.9 oz
Oil Sump Drive End Vert Config	5.5 oz
Bare Unit Weight	122 lbs
Container	Box
Box Size (L x W x H)	17" x 16" x 12"
Shipping Weight on Skid	~172 lbs
Recommended to Ship Via	Truck

## 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

