

# Roots® Blower



## 827-DVJ

Part Number – RC-20592602x\*

Repair Kit: RK800DVJ000

\*Part number changes dependent on shaft location and discharge

Rugged reliability for the vacuum truck industry. RAM DVJ WHISPAIR™ Dry Exhausters have an exclusive discharge jet plenum design which allows cool, atmospheric air to flow into the cylinder. This unique design permits continuous operation at vacuum levels to blank-off with a single stage unit.

- Gear End Driven design for greater reliability in direct drive applications.
- Patented DVJ Whispair® jet allows cool, atmospheric air to flow into the cylinder for continuous operation at vacuum levels to blank-off (28" Hg).
- Cylinder casting with integral manifolds provides a compact and lightweight solution giving you more load carrying capacity.
- Universal design to easily accommodate any required shaft and discharge location.
- Taper-fit single-piece timing gears for reduced maintenance.
- Inlet and Discharge connections in standard ANSI flanges.

### Quick Specs

Flow Range	to 5775 CFM
Max ΔVacuum	27" Hg
Maximum RPM	2250
Minimum RPM	477
Max ΔT	230°F
Jet Inlet Connection Size	12" Flange
Discharge Connection Size	14" Flange
Atmospheric Air Inlet Size	12" Flange
Shaft Dia.	2.75"
Min Sheave Dia.	13.2"
Drive End Lubrication	Oil
Gear End Lubrication	Oil
Oil Sump Horiz Config	400 oz
Oil Sump Vert Config	200 oz
Bare Unit Weight	2100 lbs
Container	Wood Skid
Skid Size (L x W x H)	Call
Shipping Weight on Skid	~2150 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

