

# Roots™ Blower



## 406 RAM-GJ (GAS)

Part Number – 8241102x\*

Repair Kit: 667542RK (Call if unit is bottom shaft)

\*Part number changes dependent on shaft location and discharge

- Shaft configurations available: Left, Right, Top, Bottom
- Mechanical seals and viton O-rings are installed at each bearing to control gas and oil leakage
- Hydrodynamic shaft seal
- Heavy-duty unit with integral-shaft ductile iron impellers with an involute profile
- Rigid one-piece casing and head plates are grey iron
- Carburized and ground alloy steel spur timing gears
- Cylindrical roller bearings
- Piston rings reduce air leakage
- Splash oil lubricated on gear and drive ends
- Detachable steel mounting feet (feet are different for horizontal and vertical mounting)



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.

### Also Available in:

- RAM
- RAM-J (Whispair)

### Quick Specs

Flow Range	to 601 CFM
Max ΔPressure	18 PSI
Max ΔVacuum	16" Hg
Maximum RPM	4000
Minimum RPM	850
Max ΔT	240°F
Connection Size	4" FPT
Shaft Dia.	1.5"
Min Sheave Dia.	7.1"
Drive End Lubrication	Oil
Gear End Lubrication	Oil
Oil Sump Horiz Config	55 oz
Oil Sump Vert Config	27 oz
Bare Unit Weight	230 lbs
Container	Wood Skid
Skid Size (L x W x H)	32" x 29" x 26"
Shipping Weight on Skid	~270 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



5155 E Front Street  
Kansas City MO 64120  
info@jlcomponents.com  
816-207-0090

www.jlcomponents.com