

Roots™ Blower



412 RAM-J

Part Number – 8107602x*

Repair Kit: 524573RK (Call if unit is bottom shaft)

*Part number changes dependent on shaft location and discharge

- Heavy-duty unit with integral-shaft ductile iron impellers with an involute profile
- Lip type oil seals prevent lubrication from entering the air chamber.
- Rigid one-piece casing and head plates are grey iron
- Drive end cover and end cover are aluminum
- Carburized and ground alloy steel spur timing gears
- Cylindrical roller bearings
- Piston rings reduce air leakage
- Hydrodynamic seal on the drive shaft prevents oil leaks
- Splash oil lubricated gears on drive and gear ends
- Detachable steel mounting feet
- Horizontal and vertical configurations available



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-GJ (Gas Whispair)
- RAM-DVJ (Dry Exhauster Whispair)
- RAM-DVJ-G (Dry Exhauster Gas Whispair)
- RAM-VJ (Water Sealed Exhauster Whispair)

Equivalent to:

Tuthill M-D AcousticAir 4712

Quick Specs

Flow Range	to 1199 CFM
Max ΔPressure	15 PSI
Max ΔVacuum	16" Hg
Maximum RPM	4000
Minimum RPM	1750
Max ΔT	240°F
Connection Size	6" Flange
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	400 lbs
Container	Wood Skid
Skid Size (L x W x H)	42" x 29" x 36"
Shipping Weight on Skid	~450 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



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