

# Roots™ Blower



## 412 RAM

Part Number – 82150020x\*

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
- 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
- Lip type oil seals prevent lubrication from entering the air chamber.
- 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



### Also Available in:

- RAM-J (Whispair)
- 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 MD Equalizer RM 4612**

### Quick Specs

Flow Range	to 1199 CFM
Max ΔPressure	15 PSI
Max ΔVacuum	16" Hg
Maximum RPM	4000
Minimum RPM	850
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	355 lbs
Container	Wood Skid
Skid Size (L x W x H)	42" x 29" x 36"
Shipping Weight on Skid	~395 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

