

Roots™ Blower



404 RAM

Part Number – 82147020x*

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)

Quick Specs

Flow Range	to 396 CFM
Max ΔPressure	18 PSI
Max ΔVacuum	16" Hg
Maximum RPM	4000
Minimum RPM	850
Max ΔT	240°F
Connection Size	3" 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	205 lbs
Container	Wood Skid
Skid Size (L x W x H)	32" x 29" x 26"
Shipping Weight on Skid	~255 lbs
Recommended to Ship Via	Truck

Roots Authorized

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Distributor
Packager
Repair Center

816-207-0090

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