

Roots® Blower



616 RAM-DVJ

Part Number – 8515102x*

Repair Kit: 854691RK (Call if unit is bottom shaft)

*Part number changes dependent on shaft location and discharge

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. The RAM™ vacuum exhauster's integral cooling design eliminates the problems caused by high discharge temperatures at vacuum levels beyond 16" Hg. Standard dry vacuum exhausters are limited to approximately 16" Hg vacuum because operation at higher vacuum levels can cause extreme discharge temperatures resulting in casing and impeller distortion and possible failure.



- Can operate in two and three stage systems to achieve vacuum levels down to 1 Torr.
- 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. Optional mechanical seals available.
- Splash oil lubricated gears on drive and gear ends
- Detachable steel mounting feet
- Horizontal and vertical configurations available

Quick Specs

Flow Range	to 2367 CFM
Max ΔVacuum	27" Hg
Maximum RPM	3000
Minimum RPM	1750
Max ΔT	300°F
Jet Inlet Connection Size	8" Flange
Discharge Connection Size	10" Flange
System Air Inlet Size	8" Flange
Shaft Dia.	2.0"
Min Sheave Dia.	8.5"
Drive End Lubrication	Oil
Gear End Lubrication	Oil
Oil Sump Horiz Config	145 oz
Oil Sump Vert Config	83 oz
Bare Unit Weight	975 lbs
Container	Wood Skid
Skid Size (L x W x H)	54" x 32" x 48"
Shipping Weight on Skid	~1025 lbs
Recommended to Ship Via	Truck

Roots Authorized

Representative
Distributor
Packager
Repair Center

816-207-0090

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Valves, Gauges & Sensors
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Oil and Grease
Silencers & Filters
Filter Elements
Air Handling Equipment
Screw Conveyors



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