

Roots® Blower



406 RAM-DPJ

Part Number – 8385002x*

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

*Part number changes dependent on shaft location and discharge

The 406 RAM-DPJ rotary blower has an exclusive discharge jet plenum design which allows cool, pressurized system air to flow into the cylinder. This unique design permits operation at high pressure levels with a single stage unit. It has no valves, vanes or Teflon rings. Clean, dry discharge air or gas provides usable heat for your process.

- Single stage operation to 30 PSIG
- 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.
- Splash oil lubricated gears on drive and gear ends
- Detachable steel mounting feet
- Horizontal and vertical configurations available
- Mechanical seals are optional



Quick Specs

Flow Range	to 518 CFM
Max ΔPressure	30 PSI
Max ΔVacuum	22" Hg
Maximum RPM	3820
Minimum RPM	1750
Max ΔT	275°F
Pressure Drop to Jet	0.73 PSI
Pressure Drop to Jet	1.5" Hg
Jet Inlet Connection Size	4" NPT
Discharge Connection Size	5" NPT
System Air Inlet Size	4" NPT
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	365 lbs
Container	Wood Skid
Skid Size (L x W x H)	42" x 29" x 36"
Shipping Weight on Skid	~405 lbs
Recommended to Ship Via	Truck

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Distributor

Packager

Repair Center

816-207-0090

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