

Roots® Blower

RCS-J Series - 715, 721

Call for Part Numbers and Repair Kits

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.

- Heavy-duty unit with integral-shaft ductile iron impellers with an involute profile
- Rigid one-piece casing, drive end cover, end cover, and head plates are grey iron
- Carburized and ground alloy steel spur timing gears
- Cylindrical roller bearings on drive end
- Ball bearings on gear end
- 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



Quick Specs

	715 RCS-J	721 RCS-J
Flow Range	to 2400 CFM	to 3125 CFM
Max ΔPressure	15 PSI	15 PSI
Max ΔVacuum	15" Hg	15" Hg
Maximum RPM	2600	2600
Minimum RPM	1180	1180
Max ΔT	230°F	230°F
Max ΔT with Oil Cooler	260°F	260°F
Inlet Connection Size	10" Flange	12" Flange
Discharge Connection Size	8" Flange	10" Flange
Shaft Dia.	2.375"	2.375"
Min Sheave Dia.	11.8"	11.8"
Drive End Lubrication	Oil	Oil
Gear End Lubrication	Oil	Oil
Oil Sump Horiz Config	225 oz	225 oz
Oil Sump Vert Config	120 oz	120 oz
Bare Unit Weight	1125 lbs	1200 lbs
Container	Wood Skid	Wood Skid
Skid Size (L x W x H)	54" x 32" x 36"	54" x 32" x 36"
Shipping Weight on Skid	~1175 lbs	~1250 lbs
Recommended to Ship Via	Truck	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



5155 E Front Street
Kansas City MO 64120
info@jlcomponents.com
816-207-0090

www.jlcomponents.com