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Model Number: 45 URAI

Howden Dresser Roots 45 URAI Medium Pressure Vacuum Blower

Manufacturer: Howden Roots Blowers

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Model: 45 URAI

The Howden / Dresser Roots 45 URAI is a rotary positive displacement blower commonly used in truckmount carpet cleaning vacuum systems and other compatible carpet cleaning applications. The URAI design uses grease lubrication on the drive end and oil lubrication on the gear end.

Important Application Note

These blowers are sold for use in the carpet cleaning industry only. Some OEM equipment uses special coatings, mounting holes, fan mounts, or custom configurations. For example, this blower is not drilled and tapped for certain Easy Air Package applications. Use outside carpet cleaning applications cannot be guaranteed.

Key Specifications

- Flow: 379 CFM
- Pressure: 10 PSI
- Vacuum: 16 inHgV
- Speed: 3550 RPM
- Connection Size: 2.5" NPT
- Shaft Diameter: 7/8"
- Drive End Lubrication: Grease
- Gear End Lubrication: Oil
- Oil Capacity: 14.5 oz horizontal / 12.7 oz vertical

Mounting and Rotation

Default shaft orientation is left hand. The unit can be mounted with the drive shaft positioned top, bottom, left, or right by relocating the mounting feet and ensuring the breather port is moved to the top. The blower can be operated in either rotation direction when properly configured.

Maintenance Reminder

- Oil level must be checked and topped off before use.
- Change oil after the first 50-hour break-in period.
- Change oil every 200 hours after break-in.
- Use the correct blower oil and grease specified for your blower model and production date.

Freight Shipping Notice

This blower ships by freight and may be subject to freight surcharges. Transit time is not guaranteed and may vary based on warehouse availability, carrier routing, and delivery location.

Before Ordering

Please verify model number, shaft orientation, connection size, mounting requirements, and OEM application compatibility before ordering. Display images are

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for reference only. Orders are fulfilled by the part number ordered.
Dresser Roots 45 URAI Vacuum blower pump

Positive displacement vacuum pump blower for or
Used on the following truckmounted carpet cleaning machines:

Amtex Inferno 400

SteamBrite Hornet

Steambrite Stack

Can be used as a MasterBlend EI Diablo alternative.

1 left in stock 2026-06-04 (subject to change without notice, call or email to confirm)

QUESTION: If I purchase a cross over blower and it does not fit, will Steambrite or the factory waive the 25% restocking fee?

ANSWER: No. To purchase a similar performing blower is your decision as it states on every webpage, "All other warranties, express or implied, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed";

THANKS FOR YOUR UNDERSTANDING.

Similar and possible in stock cross over blowers:

Tuthill 4005-21L2 Competitor blower Left Shaft 4005-A6L2CV1-A

Gardner Denver 4MS-RHC-SLSGRS-SPL Sutorbilt Legend 4MP PD 4ML
Truck Mount Vacuum 45 Blower Pump [4MR-RHC] GACMDSA0084 46-008

URAI means the blower has oil bath on the rear and grease gun fittings on the front.

NOTE: Default shaft orientation is LEFT HAND -- Unit can be mounted with top hand crank, bottom hand crank, left hand crank or right hand crank. Can be spun in either direction. Simply change the mounting feet and relocate the breather port to the top.

7/8" shaft

Owners manual

Compare Dresser Roots VS Tuthill VS Gardner Denver / Sutorbilt Blower - Crossover

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Charts

"These blower and vacuum pumps are for sale and use in the carpet cleaning industry only as some OEM configuration have special coatings, or even mounting holes drilled in them. Example These blowers won't work for Easy Air Package equipment as it is not drilled and tapped to mount a fan. All other applications for use outside the carpet cleaning industry cannot be guaranteed."

Flow: 379 cfm
Pressure: 10 psi
Vacuum: 16 inHgV
Speed: 3550 rpm
Connection Size: 2.5 NPT
Drive End Lubrication: Grease
Gear End Lubrication: Oil
Oil Capacity: 14.5 oz (left or right)/12.7 oz (top or bottom)

Important Option

Oil level must be topped off on new blowers
Oil level must be changed after 50 hour break in period.
Oil level must be changed every 200 hours after break in period.
Gardner Denver 28G46 Brand Blower Oil Aeon PD-XD Full Synthetic Formula
Extra Heavy Duty for High Heat Applications 28G47-QT

All blowers ship freight and are subject to shipping surcharges.

Howden Terms

<https://www.pdblowsers.com/product/45-urai-roots-style-blower/> \$3347.00

<https://www.republic-mfg.com/blowers/roots-45-urai.asp> \$3348.00

Tomlinequip.com \$3,265.00

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Availability: This product was added to our catalog on Wednesday 18 July, 2018

Steambrite Supply