



Model Number: 000-111-145

Tuthill Hydramaster 4005X Competitor Blower Double Shaft Blower For Truck Mounts PHY111-145  
000-111-145 TriLobed

Manufacturer: Tuthill

This Item Ships on a Pallet.

Used on: Hydramaster - Boxxer 421 and CDS 4.6 & Maxx 450D units  
manufactured since November 2001.

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This can be used an exact drop in replacement for Dresser Roots URAI #45 vacuum blower (same footprint, same dimensions, same port openings). Shaft diameter is 7/8". HydraMaster 000-111-145

Shipping weight: 120#

Shipping Dimensions:

25x21x26H

Applications:

Carpet Cleaning

Dairy Milking

- Mosquito Fogging
- Wastewater Aeration

Trenchless Drilling

Air Sparging

Compost Aeration

Vacuum Cleaning

Dust Collection

Features:

- Gears: Helical gearing for quiet operation
- Bearings:

Gear End: Double row ball

Drive Shaft: Cylindrical roller

- Rotors: Ductile iron, integrally cast with shafts
- Lubrication:

Gear End: Oil splash

Drive End: Grease

- Seals: Lip
  - Low noise option available on most models
- Flow range: 6 - 2300 CFM (10 - 3900 m<sup>3</sup>/h)  
Pressure range: up to 15 PSIG (1.03 bar g)  
Vacuum range: up to 16" Hg (540 mbar g)
  - Every unit tested before shipment

#### Outline Drawing

Field and troubleshooting guide

Designed with features found ordinarily on high-end blowers, COMPETITOR GT blowers are still designed to be interchangeable, with respect to foot print, shaft height and diameter, with equivalent sizes of Roots Universal RAI-G<sup>®</sup>, and many Sutorbilt<sup>®</sup>; California Series Legend<sup>®</sup>; Series L and P, as well as M-D Pneumatics COMPETITOR PLUS<sup>®</sup> blowers.

#### Splash Oil Lubrication at Both Ends

COMPETITOR GT blowers include splash oil lubrication at gear side and on shaft side.

#### Helical Gearing

COMPETITOR GT blowers are timed with hardened, precision helical gears, keyed to the rotor shafts, not taper fit spur gears offered by other manufacturers which have greater backlash, and can slip and lose timing. Helical gears are also quieter, further reducing mechanical noise.

#### Stronger Bearings

All COMPETITOR GT blowers include double row ball bearings at the gear end, stronger than single row ball bearings offered by other manufacturers. Drive shaft bearing is cylindrical roller type for additional strength against side loading from V-belt drives. As a result of this superior design, COMPETITOR GT blowers offer significantly longer bearing life than models offered by other manufacturers.

#### Rotors with Integral Shafts

COMPETITOR GT blowers include precision machined ductile iron rotors with large, integrally cast shafts, not press fit and/or pinned shafts offered by other manufacturers, which can loosen over time and cause rotor clash. All rotors are dynamically balanced for vibration-free rotation.

#### Positive End Clearances

End clearances are positively established at the blower gear end, eliminating the risk of shifting end clearances when installing or removing drive components. This also eliminates the need for those special fork and saddle tools required by other brands to reset end clearances.

#### Polished Drive Shaft Sealing Surfaces

Driveshaft is polished to reduce seal wear and risk of leakage.

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

The factory does not paint the blower.  
They only apply a light primer spray to slow down rusting.  
When you open the box all new blowers are rusted.  
If you want us to take the blower out of the box and paint it, please let us know and we can do this for an extra fee.

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  
Add to your shopping cart now!

Availability: This product was added to our catalog on Tuesday 14 August, 2012