



Model Number: TI406-RHBD-S

Gardner Denver TriFlow TI406-RHBD-S, Sutorbilt Truck Mount Vacuum Blower Pump, 86175400  
Prochem 140618 GYCMJDA0169

Manufacturer: Gardner Denver Product

Gardner Denver TriFlow TI406 Positive Vacuum Blower/ Pump Up to 371 cfm  
PP140618 Ti-406

Used on and Fixes the Following Truck Mounts:

Prochem Peak/ Prochem GT , Sapphire Scientific 370SS, and Sapphire Scientific 2500HS

Specs: Tri-Flow 406 290CFM @13" Hg

Marketed under part numbers:

140618

101438

PP140618

86175400

8.617-540.0

GYCMJCA0169

TI-406-RHBD-S

46-022 VACUUM PUMP

TI406

Ti-406

GYCMJCA0206

GYCMJCA-0169

GYCMJCA0169

GYCLJDA0169

GYCLJDA-0169

TI406-RHBD-S

Ti406-THRD-S (Top Crank, Right Discharge - simply locate the feet to the bottom and breather ports to the top)

Sapphire Scientific 46-055

WIN-8.617-540.0

B00G6KMH22

116583

Legend Brands 116470

1653-1865

The "M" as the 4th letter mean in the 406 group

Model Matrix

Prochem Truck Mount Blower Comparison

Gardner Denver is shaping the standards of performance and reliability in the design of positive

displacement blowers and vacuum pumps. The tradition continues with the TriFlow Series vacuum

pumps. Each TriFlow is engineered for a wide range of commercial and industrial applications. Specifically,

TriFlow is the choice of leading Original Equipment Manufacturers (OEMs) of truck mounted vacuum

cleaning systems. TriFlow offers operators significant benefits and advantages:

- Great performance and efficiency in a compact design
- Quiet operation (up to 30% less noise than 2 lobe units!)
- Highest quality materials and construction
- Flexible installation capability
- Reduced maintenance

• Available in 3 sizes – 406, 408 & 410

• TriFlow delivers

– Vacuum to 16" Hg and Flows to 700 cfm

Leading OEM choice for vacuum cleaning systems

- Patented Tri-Lobe Design for quiet operation and low pulsation
- Heavy-duty design for reduced downtime
- Advanced oil/air seals for reliable oil-free air delivery

• Independent oil sumps prevent cross contamination and allow the vacuum pump to

operate safely on an incline when used in carpet cleaning applications

- The inlet and outlet ports include both flange and FNPT connections for ease of plumbing
- More than 5,000 units in active operation to date

TriFlow: Setting the Industry Standard Quiet Operation

• Three lobe impeller geometry allows higher throughput while creating lower pulsation levels

than two lobe units, resulting in reduced noise

• An internal feedback porting arrangement contributes to the further reduction of noise

Quality Promise

• Backed by one of the largest distributor networks in the industry

• Every TriFlow vacuum pump is built under rigid ISO 9001:2000 quality standards

• Each TriFlow is individually tested to meet rigorous performance specifications

• Factory Warranty Period

&ndash; 18 months from the date of shipment from factory to SteamBrite or &ndash;  
12 months from the date of installation, whichever occurs first.  
All sales final. Optional extended warranty available.

#### Quality Construction

Each model incorporates the following for longer service life, reduced downtime and maintenance

- Highly reliable Dual Splash Lubrication
- Heavy duty bearings
- High strength timing gears
- Integral heat dissipation fins on the case to help maintain proper clearances

#### OiL-Free air Delivery

- Piston ring seals are incorporated on each impeller shaft with a lip seal on the drive shaft, providing superior sealing to prevent oil leakage into the air chamber
  - Independent oil sumps prevent cross contamination and allow the vacuum pump to operate safely on an incline when used in carpet cleaning applications
- Built in oil level site windows.

#### FLexible Installation

- Unique, integral mounting surfaces are precision machined for ease of installation and drive system alignment
- Critical mounting dimensions are similar to those of existing two lobe positive displacement vacuum pumps allowing for system upgrades
- The inlet and outlet ports include both flange and FNPT connections for ease of plumbing

TI406 Out of box weight 171 lbs.

#### A RHBD or Right Hand Bottom Discharge

TriFlow may also be used as a THRD or Top Hand Right Discharge. These are the only 2 ways to configure a RHBD machine. The "hand" refers to where the drive shaft is.

Factory recommends synthetic lubricant called PD Aeon

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

Brochure

Prochem Truckmount Blowers used is the past .

Question: What is the difference between TI406 GYCMJCAO169 and TI406 GYCMJCA0206

Answer: 'Im told the only difference between these 2 vacuum blowers is the type of or lack oil sump breather they have on the top. The 0169 and 0206 is the clearance between the lobes.

Installed on Avenger 600 by Century 400 and Prochem Peak Performance Truck Mount Machine 26hp Liquid Cooled 9.840-770.0

Also used on Sapphire Scientific 370SS, 454SS, Prochem Peak GTX, and 2500SS Truckmount

Optional

Gardner Denver Brand Blower Oil Aeon PD-XD Full Synthetic Formula Extra Heavy Duty for High Heat Applications 28G47-QT

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Availability: This product was added to our catalog on Sunday 02 September, 2012