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Model Number: 46-030

Gardner Denver TriFlow TI408-LHBD-S 549 CFM Sutorbilt Truck Mount Vacuum Blower Pump  
46-030 GYCLMCA0169 120065

Manufacturer: Gardner Denver Product

Gardner Denver TriFlow TI408 Sutorbilt Truck Mount Vacuum Blower Tri-Flow  
GYCLMCA0169 The "M" in the 5th position of the part number means (LHBD) Left  
Hand Crank Bottom Discharge  
In Stock in San Antonio, TX

Compare to current or past OEM associations:

Legend Brands 120060

Sapphire 46-030

Gardner Denver GYCLMCA0169

TI408-LHBD-S

Used on:

Truck mount vacuum blower

Sutorbilt Tri-Flow 408 cfm 13 hg Truck Mount Vacuum Blower 140611

Sapphire Scientific 460, and 570SS

Installed on BlueLine Belfor Super Extraction Systems

Sapphire Scientific Big Gulp 3500

Sapphire Scientific Big Gulp 3500 Flood Pumper Truckmount Manual Drain  
or similar

Sapphire Scientific: Pro 1200 SE Clutch Drive Truckmount  
or Similar

Current and past part numbers for this vacuum pump TI408,  
Sapphire Scientific Part #46-030 GYCLMCA0169  
Used on BlueWave-D Trilobe carpet cleaning machine

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CHECK TO SEE IF YOUR MODEL NUMBER HAS A "M" OR "J" STAMPED ON IT.  
THIS REPLACES THE "M" UNITS ONLY

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

- 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

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- Each TriFlow is individually tested to meet rigorous performance specifications
- Factory Warranty Period
  - 18 months from the date of shipment from factory to dealer or - 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
- Built in oil level site windows.

#### 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

#### 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

TI408 Out of Box Weight 190 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

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## Brochure

Question: Can I use a Ti408 GYCLJCA-0169 instead of a Ti408 GYCLMCA-0169 as they are only one letter off?

Answer: You cannot use the unit you have in stock to replace your customer's blower. The blower is configured to rotate in one direction only. We were hoping we could just flip it over and move the oil sight glasses but that is not possible due to the rotor timing. The rotors are "Discharge timed" meaning it has a 1/3 - 2/3 clearance built in to give it more vacuum performance. While in theory it is possible to re-time the rotors and re-configure your stock blower, it is very costly (\$900.00) because it involves a partial tear down of the blower to do it.

Tri-Flow 408 Vacuum system  
, 408 @ 13" Hg,

Optional

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

Truck Mount Blower Comparison

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*Availability: This product was added to our catalog on Friday 11 December, 2015*