Vertical Heavy Duty Pumps

Comprehensive Catalog

Features
Options
Construction
Size and Dimensions
Repair Kit
Performance Curves

7550 Series
Vertical End Suction

7600 Series
Top Pull Out

Enclosed Column
Centrifugal

Vortex
Non Clog

Slurry
Cantilever
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For all process services and applications, the Gusher Vertical Heavy Duty Pumps provide a complete, reliable and economical solution. The Gusher Heavy Duty Series Vertical Pumps are easy to operate and maintain, coming with the added benefit of substantially reduced maintenance costs, and are backed by award winning service.

**Services**
- Spray Booths
- Filtration Systems
- Spray Washers
- Phosphate Systems
- Paint Systems
- Coolant Systems ...and Many More

**Custom Design**
- May be Designed and Manufactured to your Application Needs

**Reliability**
- Heavy Duty Construction
- Cast Iron and Stainless Steel Construction

**Ease of Maintenance**
- Sealless
- Top Pull-Out Design

**Simple Installation**
- C-Faced Motors
- No Coupling Alignment

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**General Design Features**

1. **HEAVY DUTY SHAFT** - Minimum Deflection Increases Life for less Maintenance.

2. **HEAVY DUTY THRUST BEARING** - Double Row Thrust Bearing Minimizes Shaft End Play for more Effective Stuffing Box Sealing, Longer Mechanical Seal Life and withstands greater Axial and Radial Thrust Loads.

3. **GREASE RETAINER** - Deflects Lubrication to the Bearing Races.

4. **RADIAL BEARING** - Designed to withstand total Radial load of the Impeller.

5. **SLINGER** - Controls Pumpage from climbing the shaft.


7. **BARREL** - Maintenance Free Coupling Alignment.


- Capacities up to 10,000 GPM
- Heads to 540 ft.
- Temperatures to 1000°F (537°C)
- Pressures to 230 PSIG

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***When ordering parts, please specify Pump Model and Serial Number.***

www.gusher.com
**Vertical Heavy Duty Pumps**

- **Barrelmount Style**
  - Allows for Easy Alignment

- **OSHA Approved Coupling Guards**
  - Gusher provides guards around rotating parts to meet plant safety requirements.

- **Extended Lengths**
  - Let us build the Pump to fit your Tank!

- **Discharge Pipe**
  - Extending through Mounting Plate
  - Available in different materials and configurations to meet your requirements.

- **Jacketed Ball Bearing Housing**
  - For High Temperature Applications.

- **C-Face Electric Motors**
  - Maintains consistent alignment when used with Gusher’s Barrelmount Style Pump.

- **Couplings**
  - Can be installed with ease. The design eliminates the need for lubrication, and therefore allows for a Smooth, Clean, Dependable and Quiet Performance.

[www.gusher.com](http://www.gusher.com)
Heavy Duty Construction

Features...

1. **Bearings** - Oversize Heavy Duty Type, supplied with grease fittings and located above base plate out of corrosive area.

2. **Shaft** - Extra Heavy, made of High Strength Steel.


4. **Air Space** - This feature is a real advantage when pumping Paint or other liquids that have a tendency to foam and overflow your tank. Overflow will not damage ball bearings in power frame.

5. **Motor Alignment** - Motor Mounting arrangement allows precise motor alignment in the field.

6. **Stationary Element** - Casing and Piping are held in place.

Handling a Wide Range of Applications...

- Spray Booths
- Phosphate Systems
- Filtration Systems
- Paint Systems
- Industrial Spray Washers
- Coolant Systems
- And Many More

Capacities...

Sizes in the 7550 Vertical Heavy Duty range from 1” to 6” discharge with heads up to 275 feet @ 1750 RPM. Capacities up to 2800 GPM. (3600 RPM Pumps are available by selection through a distributor or factory).

Materials of Construction...

The Gusher 7550 Vertical Heavy Duty is available with a selection of materials to meet any need. Pumps can be furnished with Cast Iron, Stainless and Stainless Fitted Construction.
**Vertical Heavy Duty Pumps 7550 Series**

**Size and Dimensions**

**Centerline**

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**Table: Model Specifications**

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*Varies with Motor Manufacturer  **Dimensions are for 53 Power Frame  ***Dimensions are for 54 Power Frame  

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**Diagram Details**

- **Centerline Dimensions:**
  - 1/16" MIN
  - 5/16" X 5/32" KEYWAY
  - 1 3/8" DIA.
  - 1-1/2" MAX LIQUID LEVEL
- **Intake:**
  - Flanged Intake ANSI 16.5
- **Diameter:**
  - 8 1/4" (52 P.F.)
  - 1" (53 & 54 P.F.)
- **Flange:**
  - ANSI 16.5
- **Pipe:**
  - STD PIPE
  - OVERSIZED PIPE

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**Notes:**

- www.gusher.com
- Dimensions are for 53 Power Frame
- Dimensions are for 54 Power Frame
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*SHORT MODEL 6” SHORTER
*OTHER LENGTHS AVAILABLE

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www.gusher.com
Top Pull Out Construction

The 7600 Vertical Heavy Duty is designed to minimize maintenance. If maintenance is required, the rotating element can be removed without disturbing the mounting plate or piping. All 7600 Vertical Heavy Duty series have an external impeller adjustment for ease in maintenance and continued High Efficiency.

Proven Design...
The Gusher 7600 Vertical Heavy Duty has been designed to give Heavy Duty Pumping Service in a wide range of applications, after decades of Application-Tested and Time-Proven reliability.

Features...
1. **Bearings** - Oversize Heavy Duty Type, supplied with grease fittings and located above base plate out of corrosive area.
2. **Shaft** - Extra Heavy, made of High Strength Steel.
4. **Air Space** - This feature is a real advantage when pumping Paint or other liquids that have a tendency to foam and overflow your tank. Overflow will not damage ball bearings in power frame.
5. **Motor Alignment** - Motor Mounting arrangement allows precise motor alignment in the field.
6. **Stationary Element** - Casing and Piping are held in place.

Handling a Wide Range of Applications...
- Spray Booths
- Phosphate Systems
- Filtration Systems
- Paint Systems
- Industrial Spray Washers
- Coolant Systems
- And Many More

Capacities...
Sizes in the 7600 Vertical Heavy Duty range from 1” to 8” discharge with heads up to 275 feet @ 1750 RPM. Capacities up to 2800 GPM. (3600 RPM Pumps are available by selection through a distributor or factory).

Materials of Construction...
The Gusher 7600 Vertical Heavy Duty is available with a selection of materials to meet any need. Pumps can be furnished with Cast Iron, Stainless and Stainless Fitted Construction.
The 7600 Vertical Heavy Duty is designed to minimize application-tested and time-proven reliability. It is versatile for a wide range of applications, after decades of designing to give heavy-duty pumping service in a convenient manner.

The Gusher 7600 Vertical Heavy Duty has been designed to provide an element that can be removed without disturbing the mounting plate or piping. All 7600 Vertical Heavy Duty series have an external impeller adjustment for ease in maintenance and continued high efficiency.

**Top Pull Out Construction**

**Proven Design...**

**Quality Under Pressure**

### Vertical Heavy Duty 7600 Pumps Series

### Features...

- **Top Pull Out**
- **Proven Design**
- **Quality Under Pressure**

**Handling a Wide Range of Applications**

### Materials of Construction...

- Motor Alignment...
- Stationary Element...
- Air Space...
- Shaft...
- Impeller...
- Bearings...

### Capacities...

Sizes in the 7600 Vertical Heavy Duty range from 1" to 8" discharge with heads up to 275 feet @ 1750 RPM. Capacities up to 2800 GPM. (3600 RPM Pumps)

### Maximum Liquid Level...

- 3/16" MIN. (1/2" FLANGED DISCH.)
- 1 3/8" DIA.
- 1/12" MAX LIQUID LEVEL

### Element Stationary...

- 5/16" X 5/32" KEYWAY
- 1 3/8" DIA.
- 1/12" MAX LIQUID LEVEL

### Scotch Yoke Mounting Plate...

- #150 ANSI 16.5
- FLANGED INTAKE
- FLANGED INTAKE

### Size and Dimensions Centerline...

**STD PIPE** | **OVERSIZED PIPE** | **STD PIPE** | **OVERSIZED PIPE**
--- | --- | --- | ---
Model | Model | (max) | (max) | D | E | F | J | JA | R | S | T | U | M | SERIES
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
TCL1x1.5-6 | TCL1.5x1.5-6 | 5 1/4 | 16.45 | 4 | 15.00 | 4 | 18 | 26 | 6 | 6 | 9 | 8.5 | 10.18 | 4 1/2 | 100
TCL1.5x3-6 | TCL2X3-6 | 5 1/4 | 17.38 | 4 | 15 | 4 | 18 | 26 | 6 | 6 | 9 | 8.5 | 11.18 | 4 1/2 | 102
TCL1x1.5-8 | TCL1.5X1.5-8 | 5 1/4 | 16.45 | 4 | 15.31 | 4 | 18 | 26 | 6 | 6 | 11.12 | 8.5 | 10.25 | 5 9/16 | 103
TCL1.5x3-8 | TCL2X3-8 | 5 1/4 | 17.50 | 5 | 15.37 | 4 | 18 | 26 | 6 | 6 | 11.37 | 8.5 | 11.18 | 5 11/16 | 104
TCL2X3-8 | TCL3X3-8 | 8 1/4 | 23.44 | 5 | 15.18 | 4 | 18 | 26 | 6 | 6 | 11.81 | 7.75 | 14 | 5 15/16 | 107
TCL3x4-8 | TCL4X4-8 | 8 1/4 | 28.25 | 5 | 15.18 | 4 | 24 | 36 | 6 | 6 | 14 | 10.5 | 18.25 | 7 5/8 | 108
TCL3X4-8B | TCL4X4-8B | 8 1/4 | 28.25 | 5 | 15.18 | 4 | 24 | 36 | 6 | 6 | 13 | 10.5 | 18.25 | 6 3/4 | 109
TCL5X5-9 | TCL6X8-9 | 10 | 34.81 | 11 | 16.24 | 4 | 24 | 36 | 6 | 6 | 17.69 | 10.5 | 21.25 | 7 13/16 | 180
TCL1X2-10 | TCL2X2-10 | 8 1/4 | 21.38 | 5 | 15.31 | 4 | 18 | 26 | 6 | 6 | 13.5 | 8.5 | 12.19 | 6 3/4 | 110
TCL1.5x3-10 | TCL3X3-10 | 8 1/4 | 22.45 | 5 | 15.44 | 4 | 18 | 26 | 6 | 6 | 14 | 8.5 | 13.25 | 6 3/4 | 111
TCL2x3-10 | TCL3X3-10 | 8 1/4 | 24.44 | 5 | 15.31 | 4 | 24 | 36 | 6 | 6 | 14 | 10.5 | 16 | 6 13/16 | 112
TCL3x4-10 | TCL4X4-10 | 8 1/4 | 28.25 | 5 | 15.19 | 4 | 24 | 36 | 6 | 6 | 14.5 | 10.5 | 18.25 | 7 7/8 | 113
TCL3x4-10B | TCL4X4-10B | 10 | 31.50 | 5 | 15.19 | 4 | 24 | 36 | 6 | 6 | 16 | 10.5 | 19.75 | 8 7/16 | 114
TCL4x6-10 | TCL5X6-10 | 10 | 32.75 | 6 | 15.18 | 4 | 24 | 36 | 6 | 6 | 15.75 | 10.5 | 20.5 | 8 5/8 | 115
TCL4X6-10B | TCL6X6-10B | 10 | 30.375 | 6 | 15.18 | 4 | 24 | 36 | 6 | 6 | 15.34 | 10.5 | 20.5 | 5 7/8 | 116
TCL4x6-11 | TCL5X6-11 | 10 | 32.75 | 6 | 15.37 | 4 | 24 | 36 | 6 | 6 | 18.06 | 10.5 | 21.25 | 7 13/16 | 170
TCL4X6-11 | TCL6X8-11 | 11 1/2 | 40.31 | 11 | 16.44 | 6 | 32 | 48 | 6 | 6 | 21.75 | 14 | 25.5 | 11 13/16 | 160
TCL1.5x3-13 | TCL3X3-13 | 10 | 26.13 | 5 | 15.38 | 4 | 24 | 36 | 6 | 6 | 16.87 | 10.5 | 15.18 | 8 1/2 | 116
TCL2x3-13 | TCL3X3-13 | 10 | 28.19 | 5 | 15.50 | 4 | 24 | 36 | 6 | 6 | 17.37 | 10.5 | 17 | 8 7/8 | 117
TCL3x4-13 | TCL4X4-13 | 10 | 31.50 | 5 | 17.37 | 4 | 24 | 36 | 6 | 6 | 18.25 | 10.5 | 19.75 | 9 11/16 | 118
TCL4x6-13 | TCL5X6-13 | 10 | 32.75 | 8 | 15.31 | 4 | 24 | 36 | 6 | 6 | 19 | 10.5 | 20.5 | 10 | 119
TCL6X8-13 | TCL8X8-13 | 11 1/4 | 40.06 | 11 | 17.37 | 6 | 32 | 48 | 6 | 6 | 21.75 | 14 | 25.5 | 11 15/16 | 120
TCL8X10-13 | TCL10X10-13 | 12 | 46.31 | 11 | 17.12 | 6 | 32 | 52 | 6 | 6 | 24 | 14 | 30 | 13 1/2 | 121
TCL8X10-15 | TCL10X10-15 | 13 1/4 | 48.94 | 11 | 16.31 | 6 | 32 | 52 | 6 | 6 | 27.5 | 14 | 31.38 | 15 1/4 | 123
TCL3X4-16 | TCL4X4-16 | 10 7/16 | 33.44 | 7 | 15.25 | 4.88 | 32 | 48 | 6 | 6 | 20.88 | 14 | 21.25 | 10 15/16 | 132
TCL5X6-16 | TCL6X6-16 | 11 | 37.31 | 11 | 14.94 | 5.75 | 32 | 48 | 6 | 6 | 22.13 | 14 | 24.25 | 11 11/16 | 141

*Varies with Motor Manufacturer  **Dimensions are for 53 Power Frame  ***Dimensions are for 54 Power Frame

www.gusher.com
# Vertical Heavy Duty 7600 Series Pumps

## Size and Dimensions

### Non Centerline

### STD PIPE

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* DIMENSIONS ARE FOR 52 POWER FRAME ONLY
* VARIATES WITH MOTOR MFG.

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NPT

1" THRU HOLES Ø7/8 DRILL

18 X 26 MTG PLATES

24 X 36 MTG PLATES

FLANGED

#150 ANSI 16.5 FLANGES

4 THRU HOLES Ø7/8 DRILL

18 X 26 MTG PLATES

24 X 36 MTG PLATES

---

* DIMENSIONS ARE FOR 52 POWER FRAME ONLY
* VARIATES WITH MOTOR MFG.
Vertical Heavy Duty Vortex Pumps

Non-Clog Construction

Features...

- **Impeller** - Designed to handle Large Diameter Solids and Fibrous Material without Clogging.
- **Handles Solids** - Up to the same diameter as the Discharge.
- **Transental Discharge**, **Concentric Volute Casing** - For Minimal Wear and Clog-Free operation.
- **Reduced Radial Loading** - for Trouble-Free operation, even with low flows, our Vortex design allows throttling to a low performance range unacceptable to many Centrifugal Pumps.
- **Top Pull Out** - Design Option for Quick and Easy Repairs or Switch-Outs. All “Wear” items can be Very Quickly Replaced.
- **Materials** - Choice of Casing and Impeller Materials including Cast-Iron, Hardened Ductile Iron, CD4MCu or Alloy-20 for Chemical Compatibility and Significantly lower wear.
- **Sizing** - From 2x2-8 through 6x8-15 offering Flow Range to 2600 GPM and Heads up to 440' TDH (190 psi).
- **Designed** - to Pump various Liquids and Oils containing 30% or better entrained air.
- **Operates** - 23% below its first Critical Speed at any point of Operation.
- **Shaft** - is designed to have a Maximum Total indicated Run-Out not to exceed .008 inches.

---

**Pumps Designed to handle Solids**

**Caution: Not All Pumps Are Designed**

**To Handle Bulky/Fibrous Solids or Shear Sensitive Solids**

When handling certain bulky, fibrous solids, clogging can occur. Standard end suction pumps have close clearances between the impeller and casing to maintain efficiency and performance. High velocities in the casing will cause increased wear, and can degrade or shear pumpage.

**Trouble-Free Operation At Low Flows**

Recessed impeller pumps are reliable when operating at low flows. Gusher’s Vertical Heavy Duty Vortex Non-Clog Pumps use a concentric casing reducing radial loads up to 85%. Bearing, seal and overall pump life are optimized.

**Non-Clog Pumping With Minimum Solids Degradation**

With the induced flow of a Non-Clog Vortex Impeller being recessed from the casing, velocities are low. Contact by solids with the impeller is reduced. Wear rate, solids degradation and shearing of liquid are greatly minimized. The Vortex Non-Clog casing design is able to handle solids in liquid suspension. Any substance that can exit the discharge will pass through the pump without clogging.
Vertical Heavy Duty Vortex Pumps

Size & Dimensions

1-1/4" TYP (52P.F.)
2" (53 & 54 P.F.)

4 THRU HOLES
Ø7/8 DRILL (52P.F.)
Ø1 1/2" DRILL (53 & 54P.F.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Discharge</th>
<th>Intake</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>J</th>
<th>JA</th>
<th>R</th>
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<tr>
<td>V2x2-8</td>
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<td>2</td>
<td>20.90</td>
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<td>28.43</td>
<td>15</td>
<td>4.25</td>
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<tr>
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<td>14</td>
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**54HD POWER FRAME**

NEMA K L Check NEMA K L Check
56UC 143/145TC 30 7.38
182/184UC 32 9.5 182/184TC 31.88 9.5
213/215UC 36 11.5 213/215TC 35.75 10.88
254/256UC 42.13 13.25 254/256TC 41.75 12.56
284/286UC 44.94 15.31 284/286TC 44.06 13.75
324/326UC 47.44 16.5 324/326TC 46.81 15.75
364/365UC 49.94 18.25 364/365TC 49.31 18

*52P.F. DIMENSIONS ONLY
*VARIABLE WITH MANUFACTURER
Features...
- Eliminates Mechanical Seal Failure Problems
- Enclosed Column for external Tank Mounting
- Flow Rates up to 10,000 GPM
- Heads up to 400 TDH
- Jacketed Ball Bearing Housing for High Temperature Applications
- Discharge Pipe, Extended Column Length Available
- Long Coupled or Integral Shaft Electric Motors
- 50/60 Hertz Operation
- 1750/3450 RPM

1. BRG RETAINER
2. LOCK NUT
3. SNAP RING W/ BEARING
4. CARTRIDGE
5. CARTRIDGE OIL SEAL
6. BRG HOUSING
7. SHAFT
8. BRG & GREASE RETAINER
9. RADIAL BEARING
10. BRG HSG OIL SEAL
11. STEM
12. SLINGER
13. THROTTLE BUSHING
14. STEM PLATE
15. IMPELLER DRIVE KEY
16. IMPELLER HSG GASKET
17. IMPELLER HSG
18. IMPELLER
19. IMPELLER WASHER
20. IMPELLER RETAINING NUT
21. BARREL
22. COUPLING
23. GASKET

Applications...
- Spray Booths
- Industrial Spray Washers
- Filtration Systems
- Chemical Phosphate Systems
- Paint Systems
- Coolant Systems
- Machine Tool Industry
- Municipal Systems
- E-Coat Systems
- Recreation Parks
- Agricultural By-Products

Capacities...
Sizes in the EC Vertical Heavy Duty range from 1” to 8” discharge with heads up to 275 feet @ 1750 RPM. Capacities up to 2800 GPM. (3600 RPM Pumps are available by selection through a distributor or factory).

Materials of Construction...
The Gusher EC Vertical Heavy Duty is available with a selection of materials to meet any need. Pumps can be furnished with Cast Iron, Stainless and Stainless Fitted Construction.
Vertical Heavy Duty
Pumps

Slurry Cantilever

Note: all Gusher Slurry Pumps are engineered products. Size and dimensions are designed to the application.

Design Features Include...
- **Large Impeller Passages** to reduce wear, allow maximum solids handling.
- **Wider Sealing Areas** eliminate the need for wear rings.
- **Progressive Casting Wall Thickness** for maximum service life.
- **Sizes** 1” through 16”, capacities to 10,000 USGPM.
- **Open By-Pass** design feature will tolerate pump shut-off.
- **Single Volute, Single Discharge** to allow maximum solids passage eliminates need for hydraulic balancing, allows dry-running.
- **Cantilever Pump** has no packing, seals or bearings below the mounting plate.

Options...
- **Drive Options** include direct v-belt, right angle and variable frequency.
- **Spacer Pedestal** available to raise bearings from splashing or heat.
- **Suction Strainer** available.
- **Hard Iron Discharge Elbow** available.

www.gusher.com
Standard Power Frame Repair Kits

Available in Stainless or C-Roll Steel

Gusher stocks thousands of parts for your repair needs. Parts are available separately or in a cost saving kit.

Repair Kits Available...

- Parts 7-9 Stainless Steel or Cast Iron
- Sealed Upper and Lower Bearings
- Open Upper and Lower Bearings

Kits do not apply to the non-adjustable power frames or any non-standard versions.

***When ordering parts, please specify Pump Model and Serial Number.***
Vertical Heavy Duty Pumps

Selection Curves

7550 Series
Vertical End Suction

7600 Series
Top Pull Out

Gusher stocks thousands of parts for your repair needs. Parts are available separately or in a cost saving kit.

1. Upper Bearing
2. Lower Bearing
3. Bearing Retainer
4. Bearing Hug Nut
5. Upper Oil Seal
6. Lower Oil Seal

7. Impeller Washer
8. Impeller
9. Impeller Retaining Nut

Parts 7-9 Stainless Steel or Cast Iron
Sealed Upper and Lower Bearings
Open Upper and Lower Bearings

When ordering parts, please specify Pump Model and Serial Number.

www.gusher.com
VERT7550CL - 1800  Size: CL 1x1.5-6SE  Speed: 1765 rpm

VERT7550CL - 1800  Size: CL 1.5x3-6SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550CL - 1800

Pumps over 150 psi consult factory.
VERT7550CL - 1800  Size: CL 3x4-8SE  Speed: 1765 rpm

VERT7550CL - 1800  Size: CL 5x6-9SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550CL - 1800

Pumps over 150 psi consult factory.
VERT7550CL - 1800  Size: CL 1.5x3-10SE  Speed: 1765 rpm

Pump Selection Curves

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
Pumps over 150 psi consult factory.

VERT7550CL - 1800  Size: CL 2x3-10SE  Speed: 1765 rpm

Pump Selection Curves

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
Pumps over 150 psi consult factory.
VERT7550CL - 1800  Size: CL 4x6-10 SE  Speed: 1800 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550CL - 1800

Pumps over 150 psi consult factory.

VERT7550CL - 1800  Size: CL 4x6-10BSE  Speed: 1800 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550CL - 1800

Pumps over 150 psi consult factory.
VERT7550NCL - 1800  Size: 2x2.5-7SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - 1800
Size: 2x2.5-7SE  Speed: 1765 rpm  Dia: 7 in

VERT7550NCL - 1800  Size: 2.5x3-7SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - 1800
Size: 2.5x3-7SE  Speed: 1765 rpm  Dia: 7 in
VERT7550NCL - 1800  Size: 3x4-7SE  Speed: 1765 rpm

VERT7550NCL - 1800  Size: 4x5-7SE  Speed: 1765 rpm

Pumps over 150 psi consult factory.

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - 1800

www.gusher.com
VERT7550NCL - 1800  Size: 1.5x2-10SE  Speed: 1765 rpm

VERT7550NCL - 1800  Size: 2x2.5-10SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
Pumps over 150 psi consult factory.

www.gusher.com
VERT7550NCL - 1800  Size: 3x4-10SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
Pumps over 150 psi consult factory.

VERT7550NCL - 1800  Size: 2.5x3-10SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
Pumps over 150 psi consult factory.

www.gusher.com
VERT7550NCL - 1800  Size: 6x8-11SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0

VERT7550NCL - 1800
Size: 4x5-11SE  Speed: 1765 rpm
Dia: 11 in
VERT7550NCL - 1800  Size: 6x6-14E  Speed: 1765 rpm

Pumps over 150 psi consult factory.

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERS7550NCL - 1800

Pump Selection Curves

www.gusher.com
VORVERT 7550 - 1800  Size: V 3x4-13SE  Speed: 1765 rpm

VORVERT 7550 - 1800  Size: V 4x6-13SE  Speed: 1765 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
Pumps over 150 psi consult factory.

VORVERT 7550 - 1800  Size: V 3x4-13SE  Speed: 1765 rpm
Dia: 13 in
Curve: AK990310-5

VORVERT 7550 - 1800  Size: V 4x6-13SE  Speed: 1765 rpm
Dia: 13 in
Curve: AK990310-6
VERT7550NCL - Adjustable  Size: 1.5x2-R-153  Speed: 1770 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - Adjustable
Size: 1.5x2-R-153
Speed: 1770 rpm
Dia: 15.25 in
Curve: 03-08-1999
Impeller: 4 Vanes

VERT7550NCL - Adjustable  Size: 1.5x3-H-95  Speed: 1770 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - Adjustable
Size: 1.5x3-H-95
Speed: 1770 rpm
Dia: 9.5 in
Curve: 03-10-2000
Impeller: 6 Vanes
VERT7550NCL - Adjustable  Size: 2.5x3-R-71  Speed: 1770 rpm

VERT7550NCL - Adjustable  Size: 2.5x3-R-95  Speed: 1770 rpm
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<thead>
<tr>
<th>Power - hp</th>
<th>1100</th>
<th>1000</th>
<th>900</th>
<th>800</th>
<th>700</th>
<th>600</th>
<th>500</th>
<th>400</th>
<th>300</th>
<th>200</th>
<th>0</th>
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<tr>
<td>NPSHr - ft</td>
<td>0.5</td>
<td>1</td>
<td>1.5</td>
<td>2</td>
<td>2.5</td>
<td>3</td>
<td>3.5</td>
<td>4</td>
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<td>5</td>
<td>5.5</td>
</tr>
<tr>
<td>Head - ft</td>
<td>1775</td>
<td>1625</td>
<td>1475</td>
<td>1325</td>
<td>1175</td>
<td>1025</td>
<td>875</td>
<td>725</td>
<td>575</td>
<td>425</td>
<td>275</td>
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</tbody>
</table>

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - Adjustable
Size: 3x4-H-119
Speed: 1770 rpm
Dia: 11.875 in
Curve: 03-10-2000
Impeller: 5 Vanes

<table>
<thead>
<tr>
<th>Power - hp</th>
<th>1100</th>
<th>1000</th>
<th>900</th>
<th>800</th>
<th>700</th>
<th>600</th>
<th>500</th>
<th>400</th>
<th>300</th>
<th>200</th>
<th>0</th>
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<tbody>
<tr>
<td>NPSHr - ft</td>
<td>0.5</td>
<td>1</td>
<td>1.5</td>
<td>2</td>
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<td>3</td>
<td>3.5</td>
<td>4</td>
<td>4.5</td>
<td>5</td>
<td>5.5</td>
</tr>
<tr>
<td>Head - ft</td>
<td>1775</td>
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<td>1475</td>
<td>1325</td>
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<td>1025</td>
<td>875</td>
<td>725</td>
<td>575</td>
<td>425</td>
<td>275</td>
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Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - Adjustable
Size: 3x4-L-119
Speed: 1770 rpm
Dia: 11.875 in
Curve: 03-10-2000
Impeller: 6 Vanes
## Pump Selection Curves

### VERT7550NCL - Adjustable
**Size:** 3x4-R-95  **Speed:** 1770 rpm

<table>
<thead>
<tr>
<th>US gpm</th>
<th>Power - hp</th>
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</thead>
<tbody>
<tr>
<td>50</td>
<td>1770 rpm</td>
</tr>
<tr>
<td>100</td>
<td>1625 rpm</td>
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<tr>
<td>150</td>
<td>1475 rpm</td>
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<tr>
<td>200</td>
<td>1325 rpm</td>
</tr>
<tr>
<td>250</td>
<td>1175 rpm</td>
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</table>

<table>
<thead>
<tr>
<th>NPSHr - ft</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>50</td>
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<tr>
<td>1</td>
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**Head - ft**

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<tr>
<th>Efficiency %</th>
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<tr>
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<td>50</td>
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<tr>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>

**Impeller:** 4 Vanes

### VERT7550NCL - Adjustable
**Size:** 3x4-R-119  **Speed:** 1770 rpm

<table>
<thead>
<tr>
<th>US gpm</th>
<th>Power - hp</th>
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<tbody>
<tr>
<td>50</td>
<td>1770 rpm</td>
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<td>100</td>
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<tr>
<td>200</td>
<td>1325 rpm</td>
</tr>
<tr>
<td>250</td>
<td>1175 rpm</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>NPSHr - ft</th>
<th>03-20-1999</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>50</td>
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<tr>
<td>1</td>
<td>100</td>
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**Head - ft**

<table>
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<tr>
<th>Efficiency %</th>
<th>03-20-1999</th>
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<tr>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>

**Impeller:** 4 Vanes
VERT7550NCL - Adjustable  Size: 5x6-R-119  Speed: 1770 rpm

Catalog: Gusher Pump Catalog 60Hz, Vers 3.0
VERT7550NCL - Adjustable

Size: 5x6-R-143  Speed: 1770 rpm
Dia: 14.25 in
Curve: 03-20-1999
Impeller: 4 Vanes
VERT7550NCL - Adjustable  Size: 12x14-R-245  Speed: 1175 rpm

VERT7550NCL - Adjustable  Size: 12x14-R-285  Speed: 880 rpm
Order the Gusher Vertical Heavy Duty Pump to meet your needs by model number. The model number should be specified as follows:

- **DISCHARGE SIZE**
- **MAXIMUM SIZE IMPELLER**
- **“CDM” FOR BARREL FACED MOUNTED**
- **MATERIAL (SEE CHART)**

**EXAMPLE:** For ordering a Vertical Centerline Discharge Pump with a 5” discharge and 6” diameter suction with a semi-enclosed impeller of 9” maximum, Iron construction with discharge piping, the model number would be: **CL-5x6-9SEL-CDM-A-P**

**Materials of Construction**

<table>
<thead>
<tr>
<th>Material Designation</th>
<th>Type</th>
<th>Description</th>
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<tr>
<td>A</td>
<td>All Iron</td>
<td>Cast Iron construction</td>
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<tr>
<td>B</td>
<td>Stainless Steel</td>
<td>316 Stainless Steel wetted parts</td>
</tr>
<tr>
<td>C</td>
<td>Stainless Steel</td>
<td>Fitted 316 Stainless Steel shaft and impeller</td>
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</tbody>
</table>

**Motor Specifications**

Please furnish the following information on all orders: Horsepower, Frame Size, Voltage, RPM, Hertz and Phase. If a special motor is required, please specify.

The **Barrel Mounted Pump** will accept a Nema Frame “C” Face Motor.

**Note:** If a motor is ordered it will be factory mounted unless otherwise specified.

**We Can Help**

Our Sales department will assist you in selection of the proper pump for your application. Call, write or e-mail with any and all questions.