

Vertical Heavy Duty Pumps



A RUTHMAN COMPANY
www.gusher.com

Comprehensive Catalog

Features

Options

Construction

Size and Dimensions

Repair Kit

Performance Curves

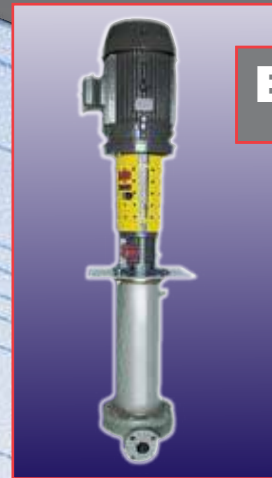
7550 Series Vertical End Suction



7600 Series Top Pull Out



Enclosed Column Centrifugal



Vortex Non Clog



Slurry Cantilever



RUTHMAN
COMPANIES

Quality
Under
Pressure
www.gusher.com



3 VHDP Features

4 VHDP Options

5 7550 Construction

6 7550 Size and Dimensions-Centerline

7 7550 Size and Dimensions-Non Centerline

8 7600 Construction

9 7600 Size and Dimensions-Centerline

10 7600 Size and Dimensions-Non Centerline

11 Vortex Construction

12 Vortex Size and Dimensions

13 Enclosed Column Construction

14 Enclosed Column Size and Dimensions

15 Slurry Construction

16 VHDP Power Frame Repair Kit

18-33 7550/7600/EC Performance Curves

34-41 Vortex Performance Curves

46-75 Slurry Performance Curves



Vertical Heavy Duty Pumps

Why Vertical?



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

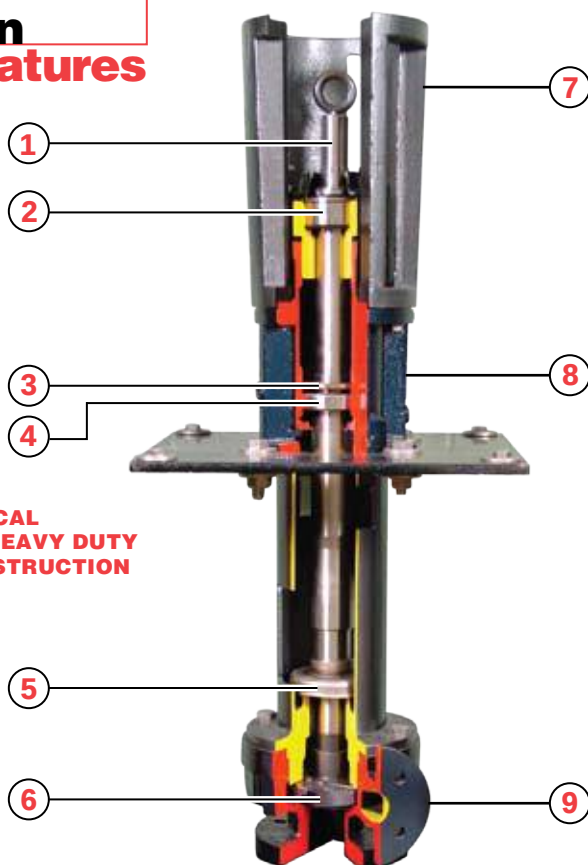
The Vertical Advantage...

- No Suction Piping, Strainers or Valve.
- No Suction Flex Joints required.
- No Grouting or Foundation required.
- **NO ALIGNMENT REQUIRED!**
Automatic Pump to Motor alignment
- No mechanical seals required.
- Mechanical Seal Flush Plans eliminated.
- Less HP draw because there is no Mechanical Seal.
- Less floor space required.
- Less Suction condition problems virtually eliminates problems with Cavitation and Air Entrainment.

Design Features...

- Vertical Design eliminates The Mechanical Seal thereby eliminating the most common service item on most pumps.
 - Mechanical Seal is replaced with a non-contacting carbon Throttle Bushing. This Throttle Bushing is used for two reasons:
 - Slows down flow exiting the pump through the Shaft opening in the Stem Plate.
 - Helps protect Shaft and Impeller as the Bearings wear.
- Less Downtime and lower labor costs to repair than Horizontal pumps.

General Design Features



**TYPICAL
VERTICAL HEAVY DUTY
PUMP CONSTRUCTION**

- 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.
- 6. IMPELLER** - Semi-Open, Designed with back Pump-Out Vane to minimize axial Thrust. Designed to handle Solids and Stringy Material.
- 7. BARREL** - Maintenance Free Coupling Alignment.
- 8. BEARING HOUSING** - Variety of Sizes for Maximum Capability.
- 9. VOLUTE**-Centerline Design Self Venting.
 - Capacities up to 10,000 GPM
 - Heads to 540 ft.
 - Temperatures to 1000F (537)C
 - Pressures to 230 PSIG



Vertical Heavy Duty Pumps

General
Series
Options

Barrelmount Style

Allows for Easy Alignment



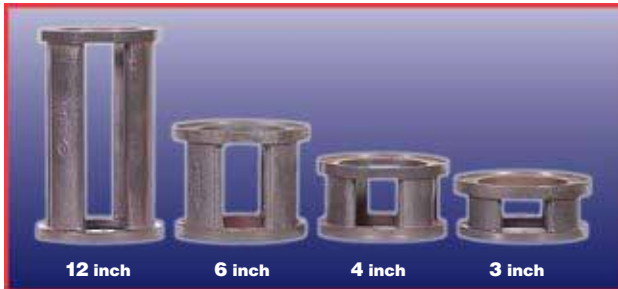
OSHA Approved Coupling Guards

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.



Couplings

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



C-Face Electric Motors

Maintains consistent alignment when used with Gusher's Barrelmount Style Pump.

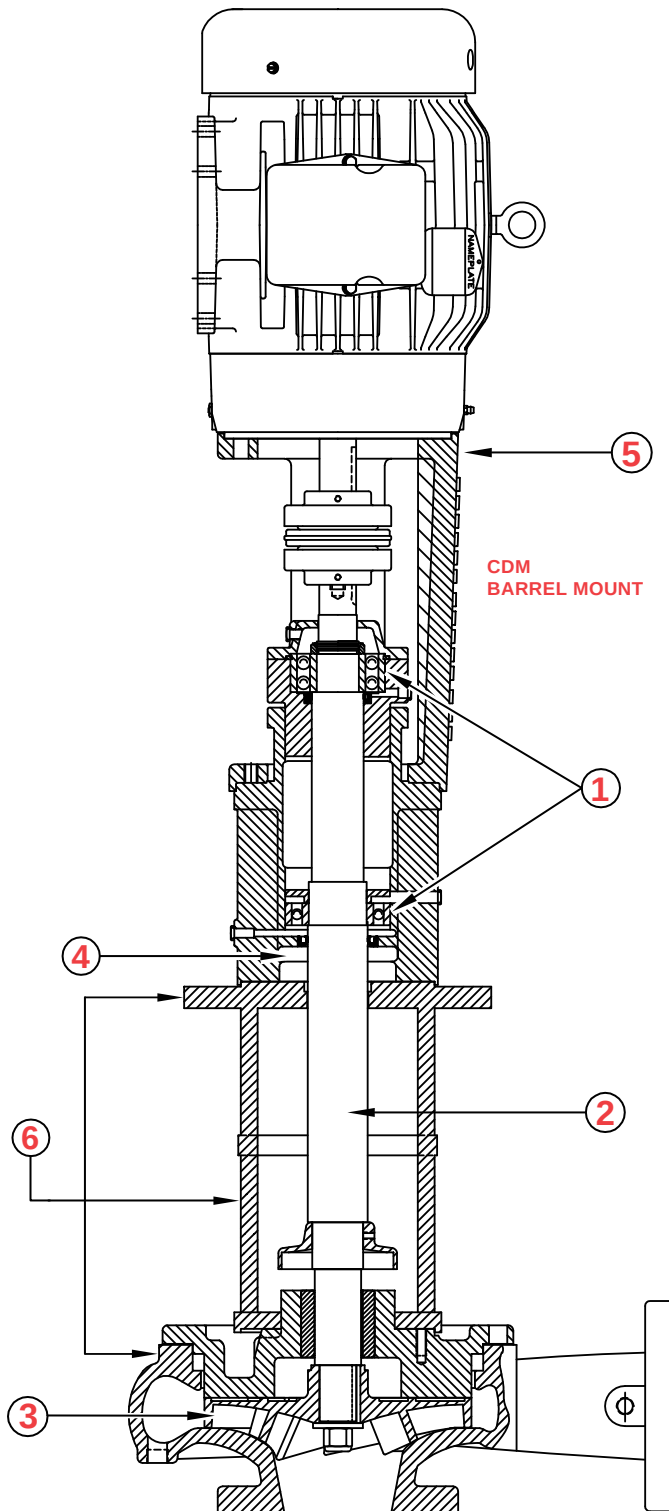




Vertical Heavy Duty Pumps

7550 series

Heavy Duty Construction



Barrel Mounted



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.
- 3. Impeller**- Proven Design and external adjustable clearance increases Efficiency and Performance. Enclosed and Semi-Enclosed available.
- 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
- Filtration Systems
- Industrial Spray Washers
- Phosphate Systems
- Paint Systems
- Coolant Systems
- And Many More

Capacities...

Sizes in the 7550 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...

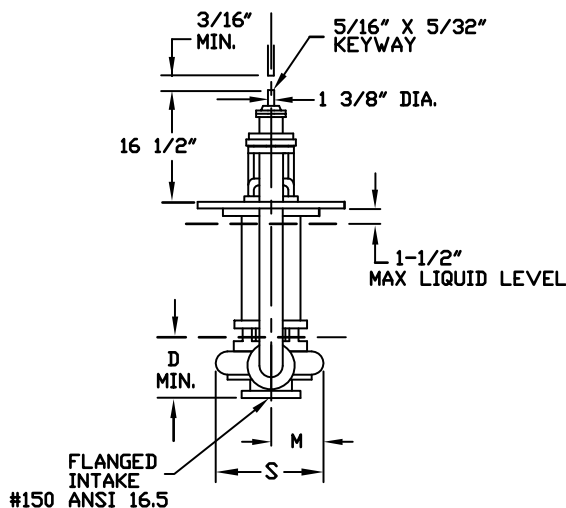
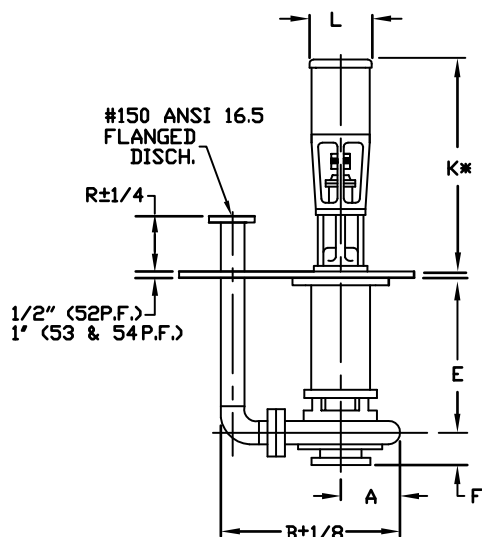
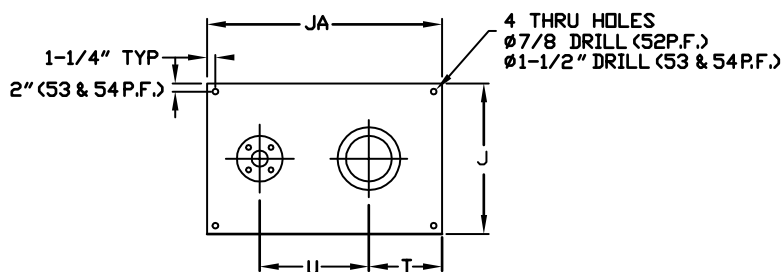
The Gusher 7550 Vertical Heavy Duty is available with a selection of materials to meet any need. Pumps can be furnished with Cast Iron, Stainless and Stainless Fitted Construction.



Vertical Heavy Duty Pumps

7550 series

Size and Dimensions Centerline



STD PIPE	OVERSIZED PIPE								STD PIPE	OVERSIZED PIPE					
Model	Model	A(max)	B(max)	D	E	F	J	JA	R	R	S	T	U	M	SERIES
CL1x1.5-6	CL1.5x1.5-6	5 1/4	16.45	4	16.37	4	18	24	6	6	9	8.5	10.25	4 1/2	100
CL1.5X3-6	CL2X3-6	5 1/4	17.00	4	15.40	4	18	24	6	6	9	8.5	11.25	4 1/2	101
CL2X3-6	CL3X3-6	5 1/4	18.44	4	15.38	4	18	24	6	6	9	8.5	12	4 1/2	102
CL1x1.5-8	CL1.5X1.5-8	5 1/4	16.45	4	15.81	4	18	24	6	6	11.12	8.5	10.25	5 9/16	103
CL1.5x3-8	CL2X3-8	5 1/4	17.45	4	15.81	4	18	24	6	6	11.37	8.5	11.25	5 11/16	104
CL2X3-8	CL3X3-8	8 1/4	23.44	5	15.81	4	18	24	6	6	11.81	7.25	14	5 15/16	107
CL3x4-8	CL4X4-8	8 1/4	28.25	5	15.75	4	24	36	6	6	14	10.5	18.25	7 5/8	108
CL3X4-8B	CL4X4-8B	8 1/4	28.25	5	15.81	4	24	36	6	6	13	10.5	18.25	6 3/4	109
CL1X2-10	CL2X2-10	8 1/4	21.38	5	15.93	4	18	24	6	6	13.5	8.5	12.19	6 3/4	110
CL1.5x3-10	CL3X3-10	8 1/4	22.45	5	15.93	4	18	24	6	6	14	8.5	13.25	6 3/4	111
CL2x3-10	CL3X3-10	8 1/4	24.44	5	15.81	4	24	36	6	6	14	10.5	15	6 13/16	112
CL3x4-10	CL4X4-10	8 1/4	28.25	5	15.75	4	24	36	6	6	14.5	10.5	18.25	7 7/8	113
CL3x4-10B	CL4X4-10B	10	31.50	5	15.75	4	24	36	6	6	16	10.5	19.75	8 7/16	114
CL4x6-10	CL5X6-10	10	32.75	6	15.75	4	24	36	4	5	15.75	10.5	20.5	8 5/8	115
CL4X6-10B	CL6X6-10B	10	32.75	6	15.75	4	24	36	4	5	15.39	10.5	20.5	8 1/8	181
CL1.5x3-13	CL3X3-13	10	26.13	5	15.37	4	24	36	6	6	16.87	10.5	15.18	8 1/2	116
CL2x3-13	CL3X3-13	10	28.19	5	16.00	4	24	36	6	6	17.37	10.5	17	8 7/8	117
CL3x4-13	CL4X4-13	10	31.50	7	15.93	4	24	36	6	6	18.25	10.5	19.75	9 11/16	118
CL4x6-13	CL5X6-13	10	32.75	8	15.87	4	24	36	4	5	19	10.5	20.5	10	119
CL4x5-11	CL5X5-11	10	32.75	11	16.00	4	24	36	6	6	18.06	10.5	20.5	9 3/8	170
CL5X6-9	CL6X6-9	10	34.81	11	16.00	4	24	36	6	6	17.69	10.5	22	7 13/16	180
CL6X8-11	CL8X8-11	11 1/2	40.31	11	16.69	6	32	48	6	6	21.75	14	25.5	11 13/16	160
**CL6X8-13	CL8X8-13	11 1/4	40.06	11	17.57	6	32	48	5.25	5.25	21.75	14	25.5	11 15/16	120
***CL8X10-13	CL10X10-13	12	46.31	11	16.00	6	32	52	6	6	24	14	30	13 1/2	121
***CL8X10-15	CL10X10-15	13 1/4	48.94	11	16.81	6	32	52	6	6	27.5	14	31.38	15 1/4	123
***CL8X10-15B	CL10X10-15B	12 7/8	48.91	11	16.75	6	32	52	6	6	25.13	14	31	13 7/8	124
***CL3X4-16	CL4X4-16	10 7/16	33.44	7	16.63	4	32	48	6	6	20.68	14	21.25	10 15/16	132
**CL5X6-16	CL6X6-16	11	37.31	11	15.50	5.75	30	42	6	6	22.13	14	24.25	11 11/16	141

*Varies with Motor Manufacturer

**Dimensions are for 53 Power Frame

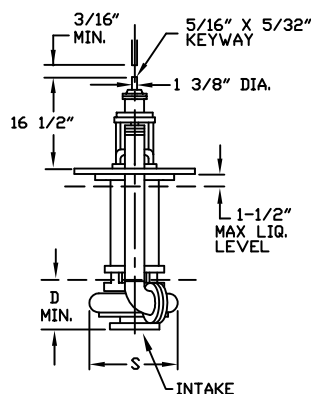
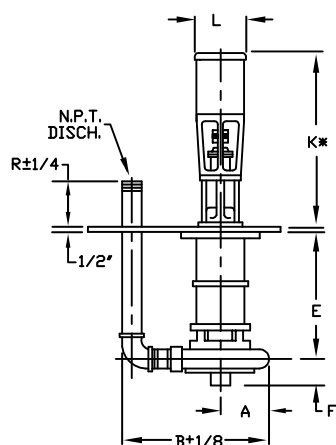
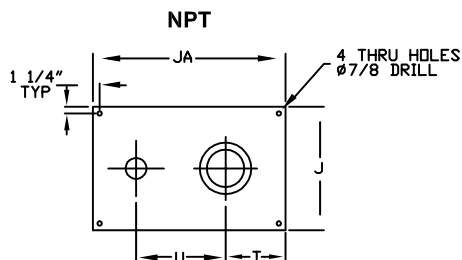
***Dimensions are for 54 Power Frame



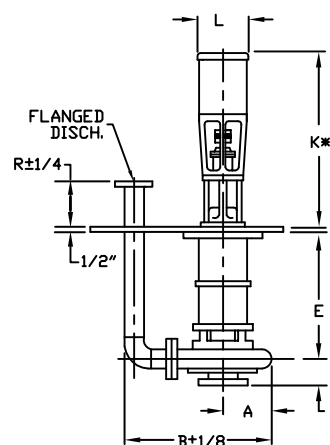
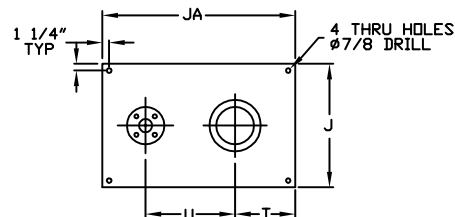
Vertical Heavy Duty Pumps

7550 series

Size and Dimensions Non Centerline



FLANGED #150 ANSI 16.5 FLANGES



NPT														
STD PIPE	OVERSIZED PIPE								STD PIPE	OVERSIZED PIPE				
Model	Model	A	B	D	E	F	J	JA	R	R	S	T	U	SERIES
1.25x1.5-7	1.5x1.5-7	5	18 1/16	4	16.18	3.37	18	24	5.37	5.37	10	8.5	12.06	037
1.25x1.5-9	1.5x1.5-9	5 3/4	17 3/8	4	15.87	3.56	18	24	5.43	5.43	11.5	8.5	10.5	038
1.5x2-7	2x2-7	5	16 11/16	4	16.18	3.43	18	24	5.56	5.56	10.37	8.5	10.62	039
1.5x2-10	2x2-10	6 1/8	19 1/4	5	16.18	3.56	18	24	5.56	5.56	12.75	8.5	12	040
2x2.5-7	2.5x2.5-7	5 1/4	17 3/16	5	16.12	3.68	18	24	5.87	5.81	10.68	8.5	10.25	041
2x2.5-10	2.5x2.5-10	6 1/2	20 5/8	5	16.18	4.06	18	24	5.81	5.75	13.12	8.5	12.31	042

FLANGED														
STD PIPE	OVERSIZED PIPE								STD PIPE	OVERSIZED PIPE				
Model	Model	A	B	D	E	F	J	JA	R	R	S	T	U	SERIES
2.5x3-7	3x3-7	5 9/16	19 3/4	5	16	3.93	24	36	5.5	5.5	10.75	10.5	12.75	43
2.5x3-10	3x3-10	6 7/8	22 13/16	5	16.06	4.06	24	36	5.87	5.87	13	10.5	14.5	44
3x4-10	4x4-10	7 3/4	25	5	15.93	4.25	24	36	6	6	14.75	10.5	15.5	46
4x5-7	5x5-7	6 1/2	26	8	16.37	4.87	24	36	5.37	4.12	12	10.5	17.25	47
4x5-11	5x5-11	9 5/16	30 9/16	6	16.25	4.75	24	36	3	4.25	16	10.5	19	48
4x5-13	5x5-13	9 3/8	30 7/8	5	16.37	4.5	24	36	3	4.25	18.56	10.5	19.25	52-1
6x8-11	8x8-11	11 5/16	35	8	16.25	3	24	36	6.31	7.56	20.62	10.5	20.37	300-1

*SHORT MODEL 6" SHORTER
*OTHER LENGTHS AVAILABLE

NEMA	K	L
182/184UC	32	9.5
213/215UC	36	11.5
254/256UC	42.13	13.25
284/286UC	44.94	15.31
324/326UC	47.44	16.5
364/365UC	49.94	18.25

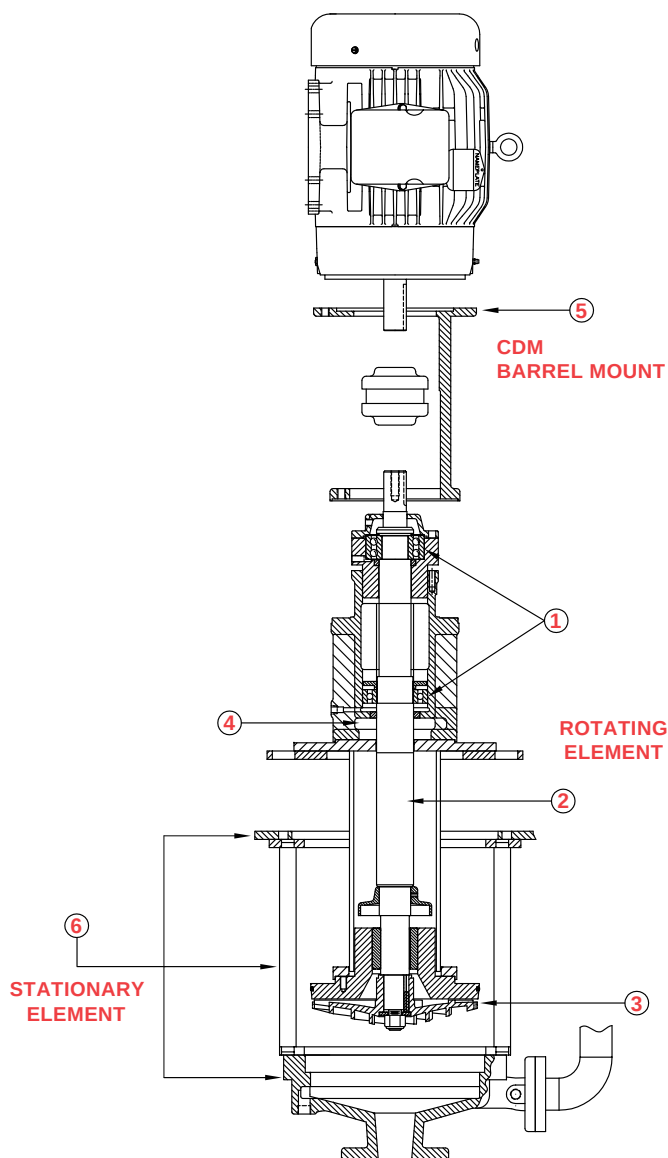
NEMA	K	L
143/145TC	30	7.38
182/184TC	31.88	9.5
213/215TC	35.75	10.88
254/256TC	41.75	12.56
284/286TC	44.06	13.75
324/326TC	46.81	15.75
364/365TC	49.31	18



Vertical Heavy Duty Pumps

7600 series

Top Pull Out Construction



**Barrel Mounted
with Discharge Pipe**



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.
- 3. Impeller**-Proven Design and external adjustable clearance increases Efficiency and Performance. Enclosed and Semi-Enclosed available.
- 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.

Top Pull Out...

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...

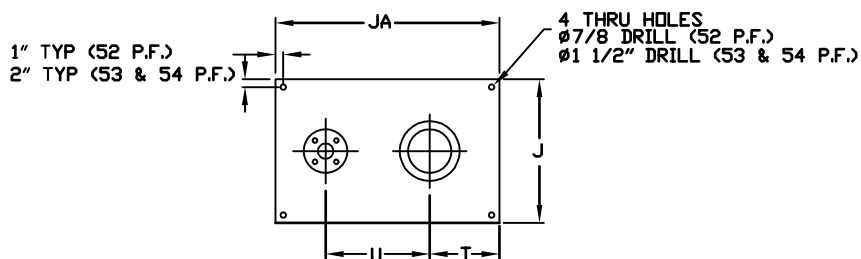
The Gusher 7600 Vertical Heavy Duty has been designed to give Heavy Duty Pumping Service in a wide range of applications, after decades of Application-Tested and Time-Proven reliability.



Vertical Heavy Duty Pumps

7600 series

Size and Dimensions Centerline



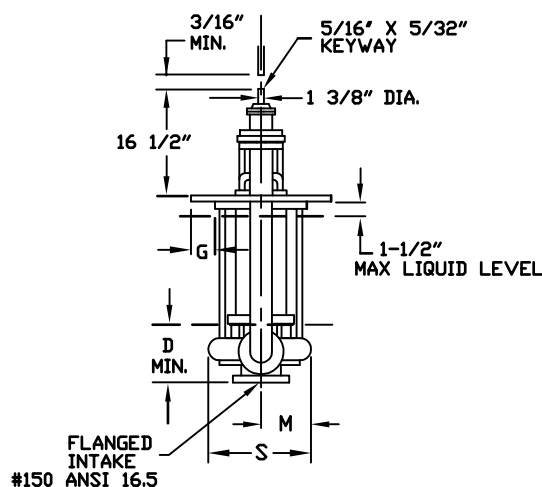
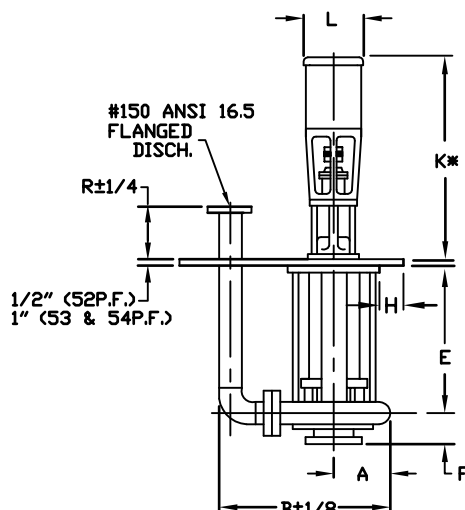
52 P.F. ONLY

18 X 26 MTG PLATES

MODELS	G	H
8 & 10	1 3/8	7/8

24 X 36 MTG PLATES

MODELS	G	H
8 & 10	4 3/8	2 7/8
13	2 5/8	1 1/8



NEMA	K	L
56UC		
182/184UC	32	9.5
213/215UC	36	11.5
254/256UC	42.13	13.25
284/286UC	44.94	15.31
324/326UC	47.44	16.5
364/365UC	49.94	18.25

NEMA	K	L
143/145TC	30	7.38
182/184TC	31.88	9.5
213/215TC	35.75	10.88
254/256TC	41.75	12.56
284/286TC	44.06	13.75
324/326TC	46.81	15.75
364/365TC	49.31	18

STD PIPE	OVERSIZED PIPE								STD PIPE	OVERSIZED PIPE					
Model	Model	A(max)	B(max)	D	E	F	J	JA	R	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	101
TCL2X3-6	TCL3X3-6	5 1/4	18.44	4	15.06	4	18	26	6	6	9	8.5	12	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
TCL5X6-9	TCL6X6-9	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	15	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	4	5	15.75	10.5	20.5	8 5/8	115
TCL4X6-10B	TCL6X6-10B	10	30.375	6	15.18	4	24	36	5	5	15 3/4	10.5	20.5	8 5/8	181
TCL4x5-11	TCL5X5-11	10	32.75	11	15.37	4	24	36	6	4.5	18.06	10.5	20.5	9 3/8	170
TCL6X8-11	TCL8X8-11	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	7	15.37	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	4	5	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
***TCL8X10-15B	TCL10X10-15B	12 7/8	48.94	11	16.25	6	32	52	6	6	25.5	14	31	13 7/8	124
**TCL3X4-16	TCL4X4-16	10 7/16	33.44	7	15.25	4.88	32	48	6	6	20.68	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

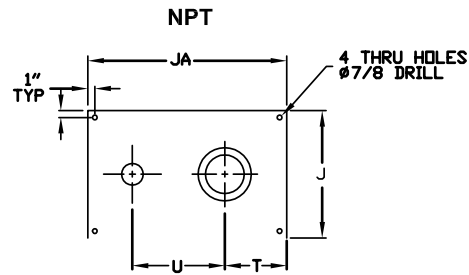
*Varies with Motor Manufacturer **Dimensions are for 53 Power Frame ***Dimensions are for 54 Power Frame



Vertical Heavy Duty Pumps

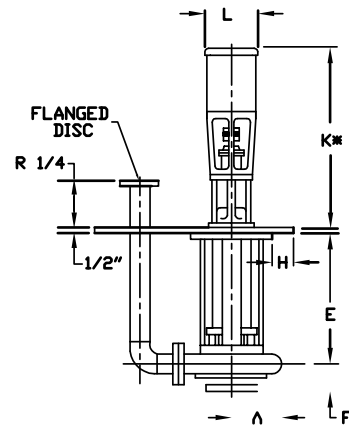
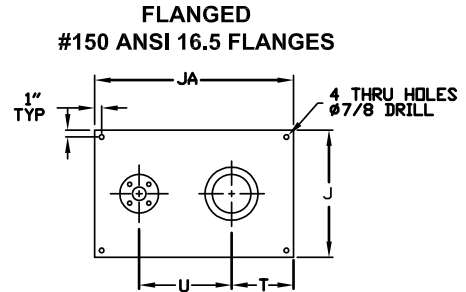
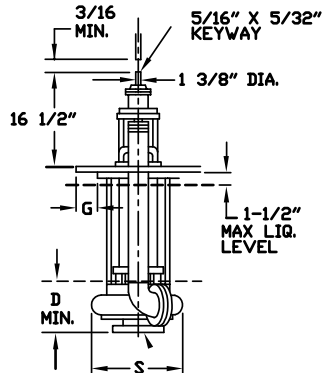
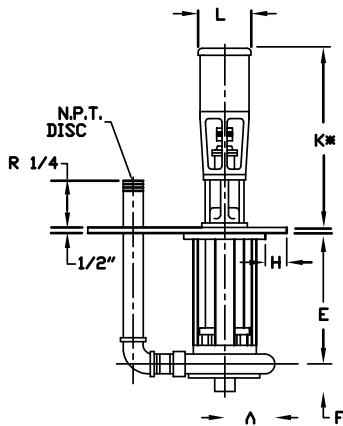
7600 series

Size and Dimensions Non Centerline



18 X 26 MTG PLATES		
MODELS	G	H
7 THRU 10	1 3/8	7/8

24 X 36 MTG PLATES		
MODELS	G	H
7 THRU 10	4 3/8	2 7/8
11	3 7/8	2 3/8
13	2 3/4	1 1/4



NPT														
STD PIPE	OVERSIZED PIPE								STD PIPE	OVERSIZED PIPE				
Model	Model	A	B	D	E	F	J	JA	R	R	S	T	U	SERIES
T1.25x1.5-7	T1.5x1.5-7	5	18 1/16	4	15.68	3.37	18	26	5.87	5.87	10	8.5	11.93	037
T1.25x1.5-9	T1.5x1.5-9	5 3/4	17 3/8	4	15.43	3.56	18	26	6.25	6.25	11.5	8.5	10.5	038
T1.5x2-7	T2x2-7	5	16 11/16	4	15.68	3.43	18	26	6.06	6.06	10.37	8.5	10.43	039
T1.5x2-10	T2x2-10	6 1/8	19 1/4	5	15.68	3.56	18	26	6.06	6.06	12.75	8.5	11.88	040
T2x2.5-7	T2.5x2.5-7	5 1/4	17 3/16	5	15.75	3.68	18	26	6.25	6.18	10.68	8.5	10.25	041
T2x2.5-10	T2.5x2.5-10	6 1/2	20 5/8	5	15.81	4.06	18	26	6.18	6.12	13.12	8.5	12.31	042

FLANGED														
STD PIPE	OVERSIZED PIPE								STD PIPE	OVERSIZED PIPE				
Model	Model	A	B	D	E	F	J	JA	R	R	S	T	U	SERIES
T2.5x3-7	T3x3-7	5 9/16	19 3/4	5	15.50	3.93	24	36	6.25	7	10.75	10.5	12.75	43
T2.5x3-10	T3x3-10	6 7/8	22 13/16	5	15.62	4.06	24	36	6.18	6.18	13	10.5	14.5	44
T3x4-10	T4x4-10	7 3/4	25	5	15.43	4.25	24	36	6.56	6.56	14.75	10.5	15.5	46
T4x5-7	T5x5-7	6 1/2	26	8	16.00	4.87	24	36	5.81	4.31	12	10.5	17.25	47
T4x5-11	T5x5-11	9 5/16	30 9/16	6	15.75	4.75	24	36	3.75	4.5	16	10.5	19	48
T6x8-11	T8x8-11	11 5/16	35	8	15.68	3	24	36	6.25	7.75	20.62	10.5	20.37	300-1

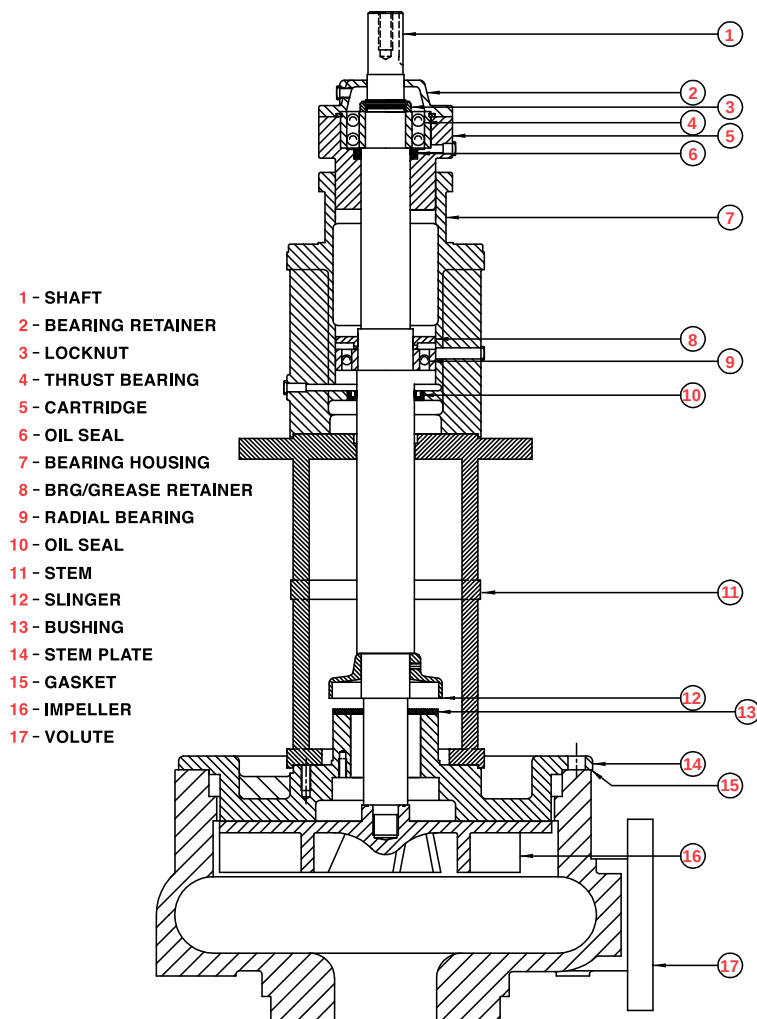
NEMA	K	L
182/184UC	32	9.5
213/215UC	36	11.5
254/256UC	42.13	13.25
284/286UC	44.94	15.31
324/326UC	47.44	16.5
364/365UC	49.94	18.25

NEMA	K	L
143/145TC	30.68	7.38
182/184TC	35.43	9.5
213/215TC	39.18	10.88
254/256TC	43.31	12.56
284/286TC	43.37	13.75
324/326TC	46.31	15.75
364/365TC	49.31	18

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



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.
- **Transitional 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

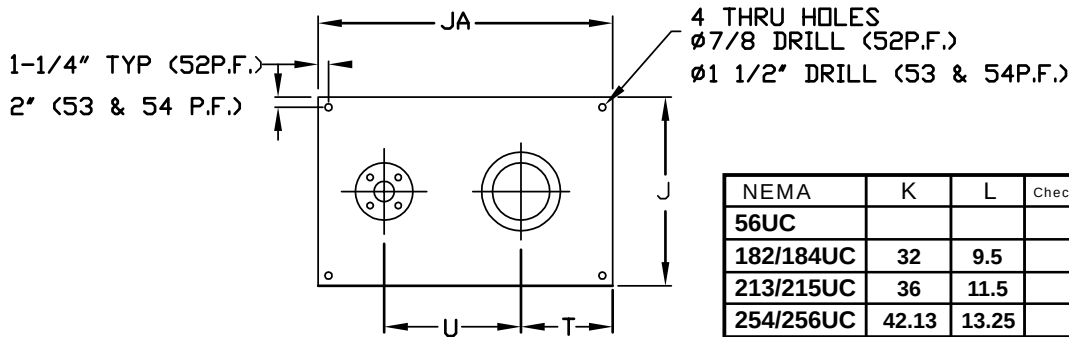
Recessed impeller pumps are reliable when operating at low flows. Gusher's Vertical Heavy Duty Vortex Non-Clog Pumps use a concentric casing reducing radial loads up to 85%. Bearing, seal and overall pump life are optimized.

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.

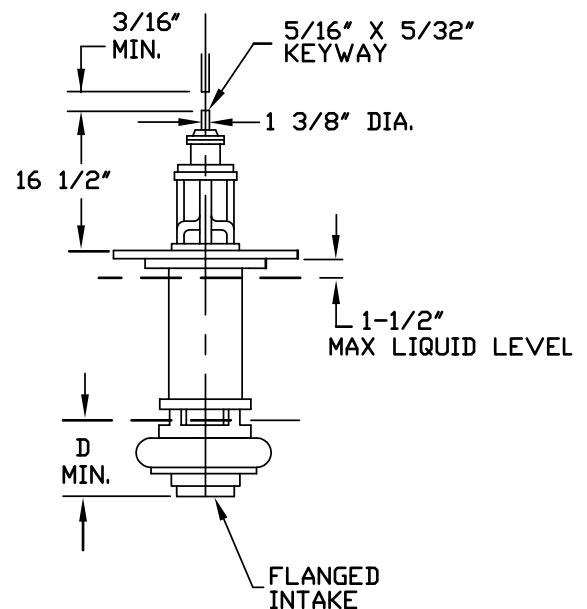
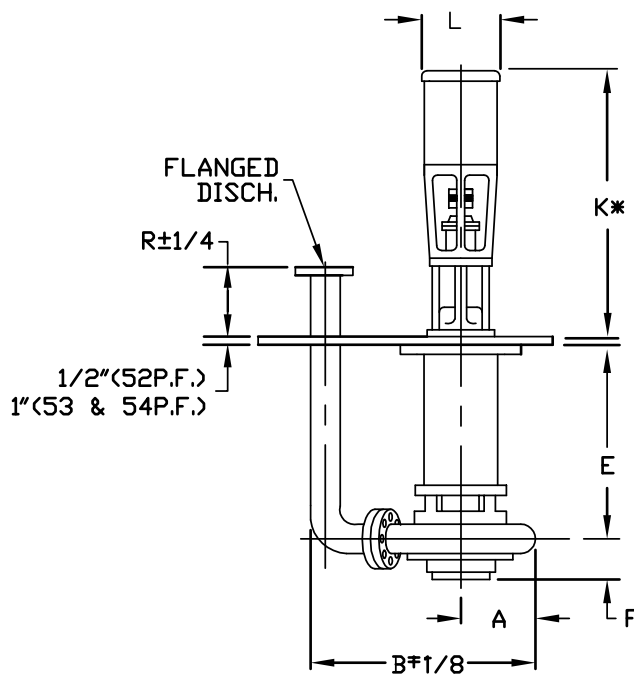


Size & Dimensions



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
*VARIES WITH MOTOR MANUFACTURER



Model	Discharge	Intake	A	B	D	E	F	J	JA	R	T	U
V2x2-8	2	2	7	20.90	8.5	18.40	2.75	18	24	6	8.5	12.75
V2x2-10	2	2	9.75	26	13	18.10	3.5	24	36	6	10.5	15
V3x3-10	3	3	9.63	28.43	15	18.80	4.25	24	36	6	10.5	17.063
V2x3-13	2	3	8.25	26.81	15	18.80	4.125	24	36	6	10.5	17.375
V3x4-13	3	4	9	29.75	15	18.75	4.125	24	36	6	10.5	19
**V4x6-13	4	6	9.5	33.38	15	19.70	4.75	32	48	6	14	21.63
**V6X8-15	6	8	11.25	39.31	15	21.44	5.5	32	48	6	14	24.75

**54HD POWER FRAME



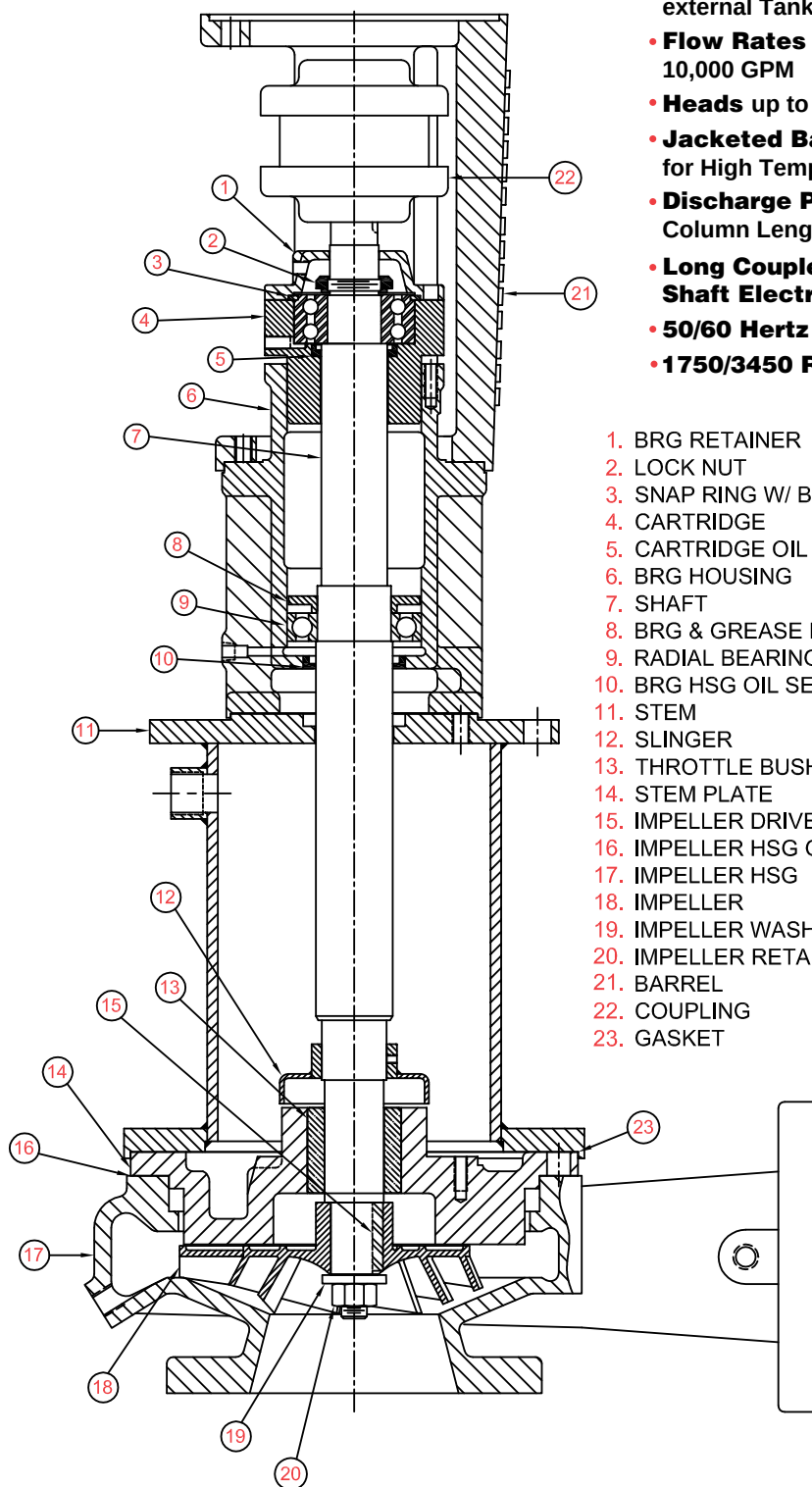
Vertical Heavy Duty Pumps

EC Enclosed
Column
Centrifugal

Heavy Duty Construction

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.

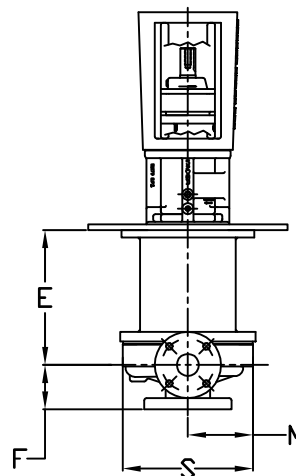
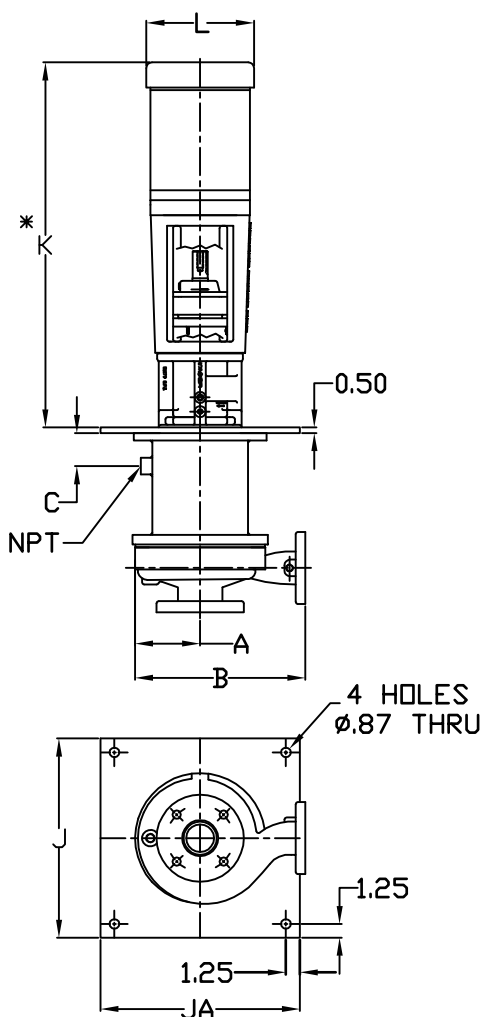


Vertical Heavy Duty Pumps

EC Enclosed
Column
Centrifugal

Size & Dimensions

*VARIES WITH MOTOR MFG.



NEMA	K	L
56UC		
182/184UC	32.00	9.50
213/215UC	36.00	11.50
254/256UC	42.13	13.25
284/286UC	44.94	15.31
324/326UC	47.44	16.50
364/365UC	49.94	18.25

NEMA	K	L
143/145TC	30.00	7.38
182/184TC	31.88	9.50
213/215TC	35.75	10.88
254/256TC	41.75	12.56
284/286TC	44.06	13.75
324/326TC	46.81	15.75
364/365TC	49.31	18.00

7550 ENCLOSED COLUMN													
Model	Discharge	Intake	A(max)	B(max)	C	E	F	J	JA	S	M	NPT	SERIES
CL2X3-6	2	3	5.25	11.75	4.82	15.38	4.0	18.0	18.0	9.00	4.50	0.50	102
CL1x1.5-8	1	1.5	5.25	11.75	3.00	15.81	4.0	18.0	18.0	11.12	5.56	1.25	103
CL1.5X3-8	1.5	3	5.25	11.75	3.00	15.81	4.0	18.0	18.0	11.38	5.69	1.25	104
CL2X3-8	2	3	5.88	15.38	3.00	15.81	4.0	18.0	18.0	11.81	5.88	1.25	107
CL3x4-8	3	4	8.25	19.25	3.00	15.75	4.0	24.0	24.0	14.00	7.63	1.25	108
CL1X2-10	1	2	8.25	16.75	3.00	15.93	4.0	18.0	18.0	13.50	6.75	2.00	110
CL1.5x3-10	1.5	3	8.25	16.75	3.00	15.93	4.0	18.0	18.0	14.00	6.75	2.00	111
CL2x3-10	2	3	8.25	17.75	3.00	15.81	4.0	18.0	18.0	14.00	6.81	2.00	112
CL3x4-10	3	4	8.25	19.25	2.16	15.75	4.0	18.0	18.0	14.50	7.88	1.50	113
CL3x4-10B	3	4	10.00	22.50	2.16	15.75	4.0	24.0	24.0	16.00	8.44	1.50	114
CL4x6-10	4	6	10.00	23.50	3.00	15.75	4.0	24.0	24.0	15.75	8.63	1.50	115
CL1.5X3-13	1.5	3	10.00	20.50	3.00	15.37	4.0	24.0	24.0	16.81	8.56	2.00	116
CL2x3-13	2	3	10.00	21.50	3.00	16.00	4.0	24.0	24.0	17.37	8.88	2.00	117
CL3x4-13	3	4	10.00	22.50	5.00	15.93	4.0	24.0	24.0	18.25	9.69	1.50	118
CL4x6-13	4	6	10.00	23.50	5.00	15.87	4.0	24.0	24.0	19.56	10.13	1.50	119
CL6X8-11	6	8	11.19	27.19	3.00	16.69	6.0	30.0	30.0	21.75	11.81	2.00	160
CL5X6-9	5	6	10.00	23.50	2.16	16.00	4.0	24.0	24.0	9.87	17.63	1.50	180

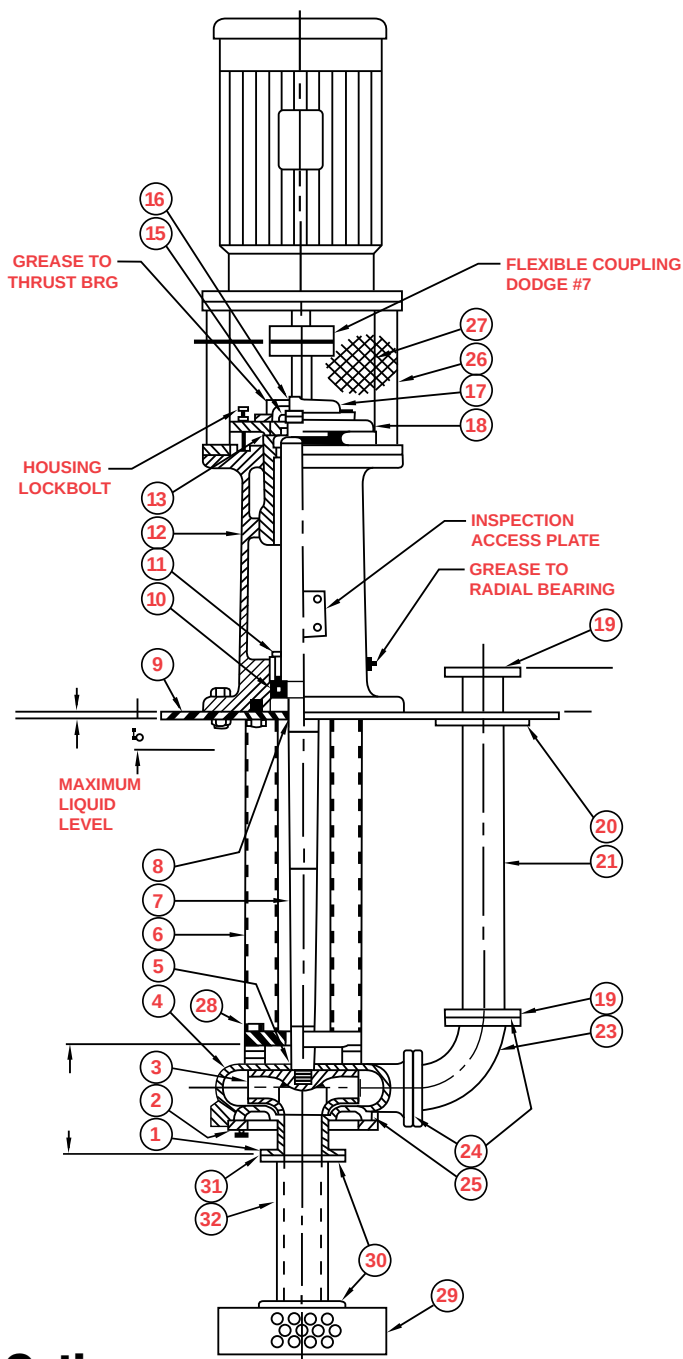


Vertical Heavy Duty Pumps

Slurry Cantilever

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

Heavy Duty Construction



1. Suction Plate
2. Clamp Ring
3. Impeller
4. Casing
5. Impeller Gasket
6. Column
7. Shaft
8. Radial Bearing Seal
9. Mounting Plate
10. Radial Bearing
11. Grease Retainer
12. Bearing Pedestal
13. Thrust Bearing
15. Locknut and Washer
16. Thrust Bearing Seal
17. Bearing Cap
18. Bearing Housing
19. Discharge Flange
20. Discharge Clamp
21. Discharge Pipe
23. Discharge Elbow
24. Discharge Gasket
25. Casing Gasket
26. Motor Adapter
27. Coupling Guard
28. Casing T-Bolt (4)
29. Strainer
30. Tailpipe Flange
31. Tailpipe Gasket
32. Tailpipe



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.

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.



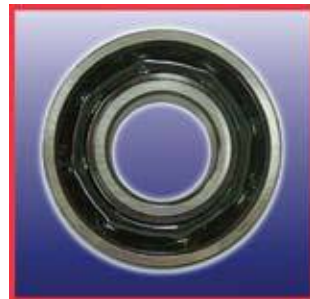
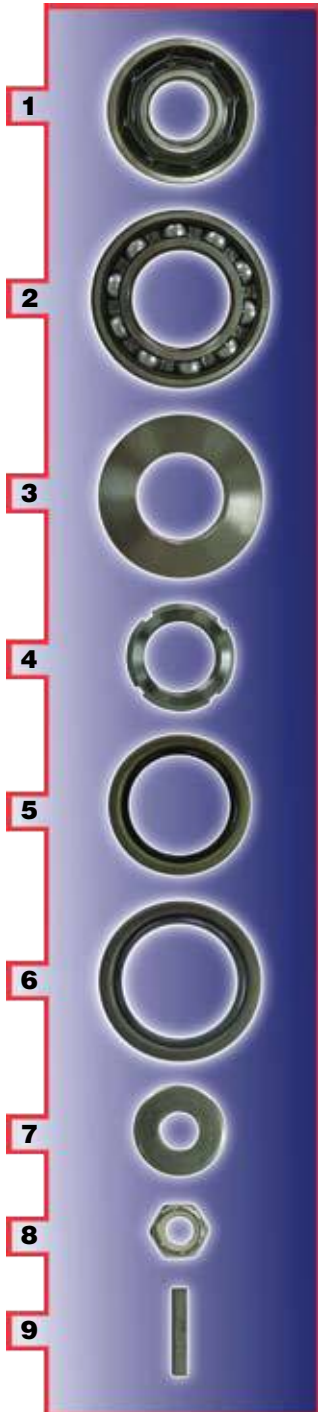
Standard Power Frame Repair Kits

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...

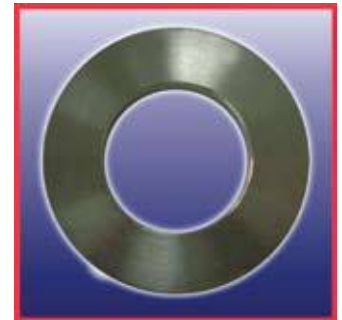
- Parts 7-9 Stainless Steel or Cast Iron
- Sealed Upper and Lower Bearings
- Open Upper and Lower Bearings



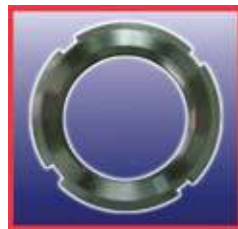
1. Upper Bearing



2. Lower Bearing



3. Bearing Retainer



4. Bearing Hug Nut



5. Upper Oil Seal



6. Lower Oil Seal



7. Impeller Washer



8. Impeller
Retaining Nut



9. Impeller Key

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

7550 Series

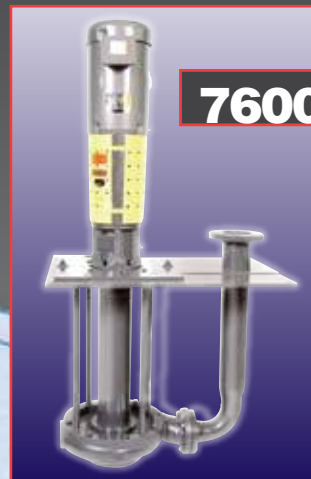
Vertical End Suction



Selection Curves

7600 Series

Top Pull Out



Enclosed Column

Centrifugal



Vortex

Non Clog



Slurry

Cantilever



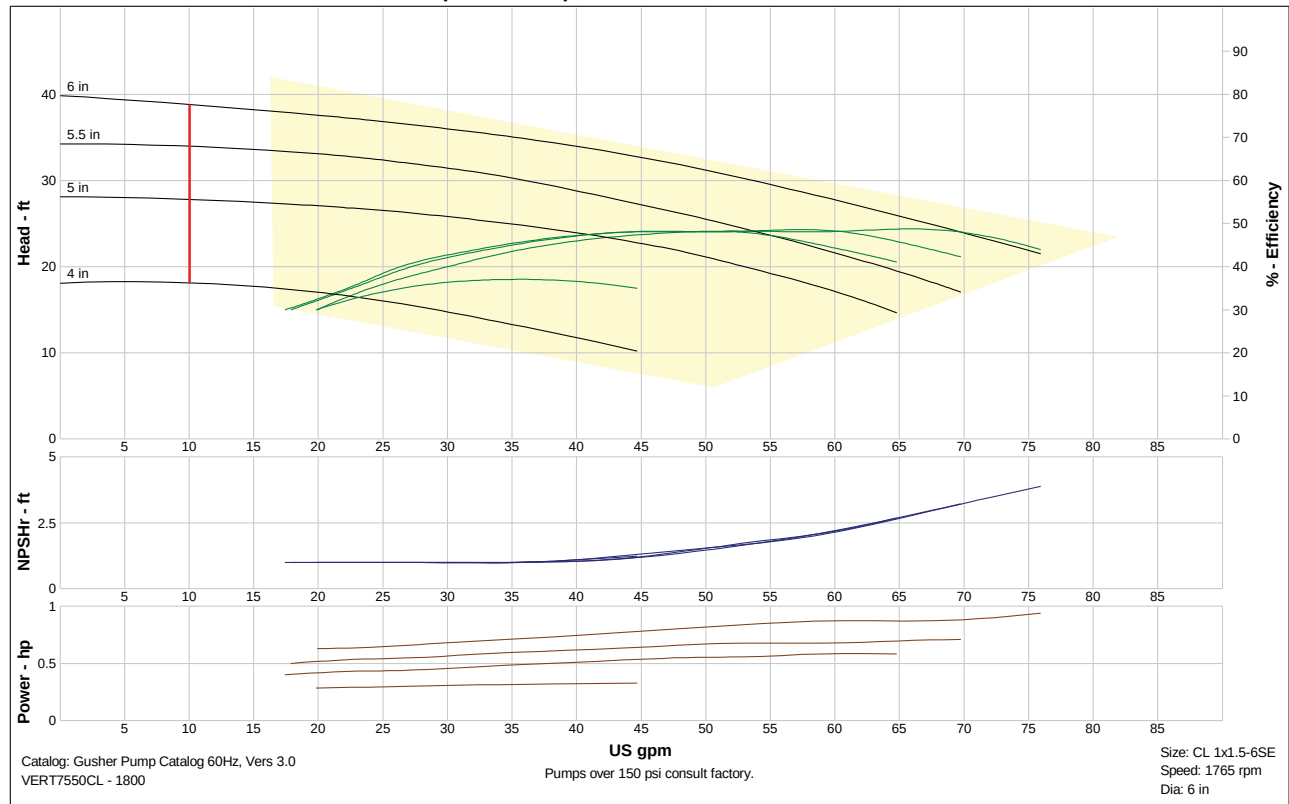


Vertical Heavy Duty Pumps

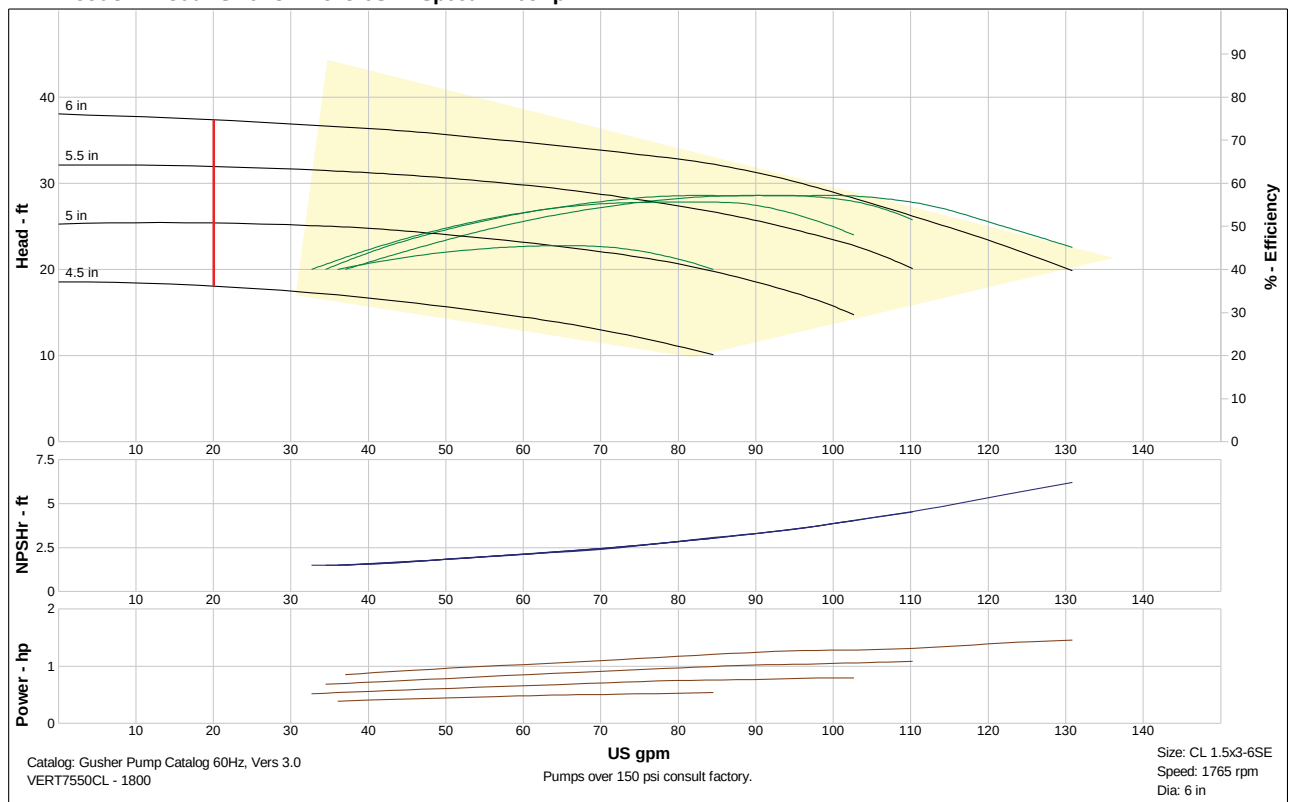
7550/7600/EC centerline

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

Pump Selection Curves



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



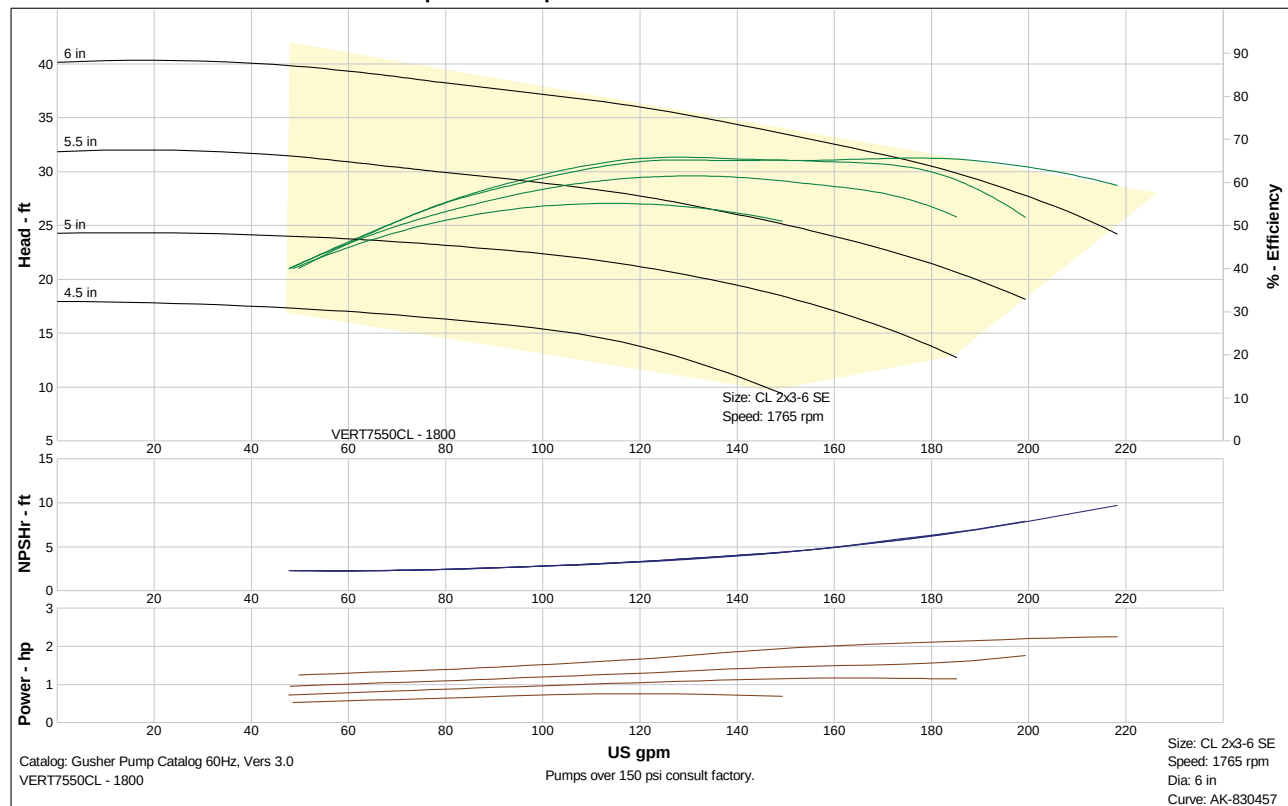


Vertical Heavy Duty Pumps

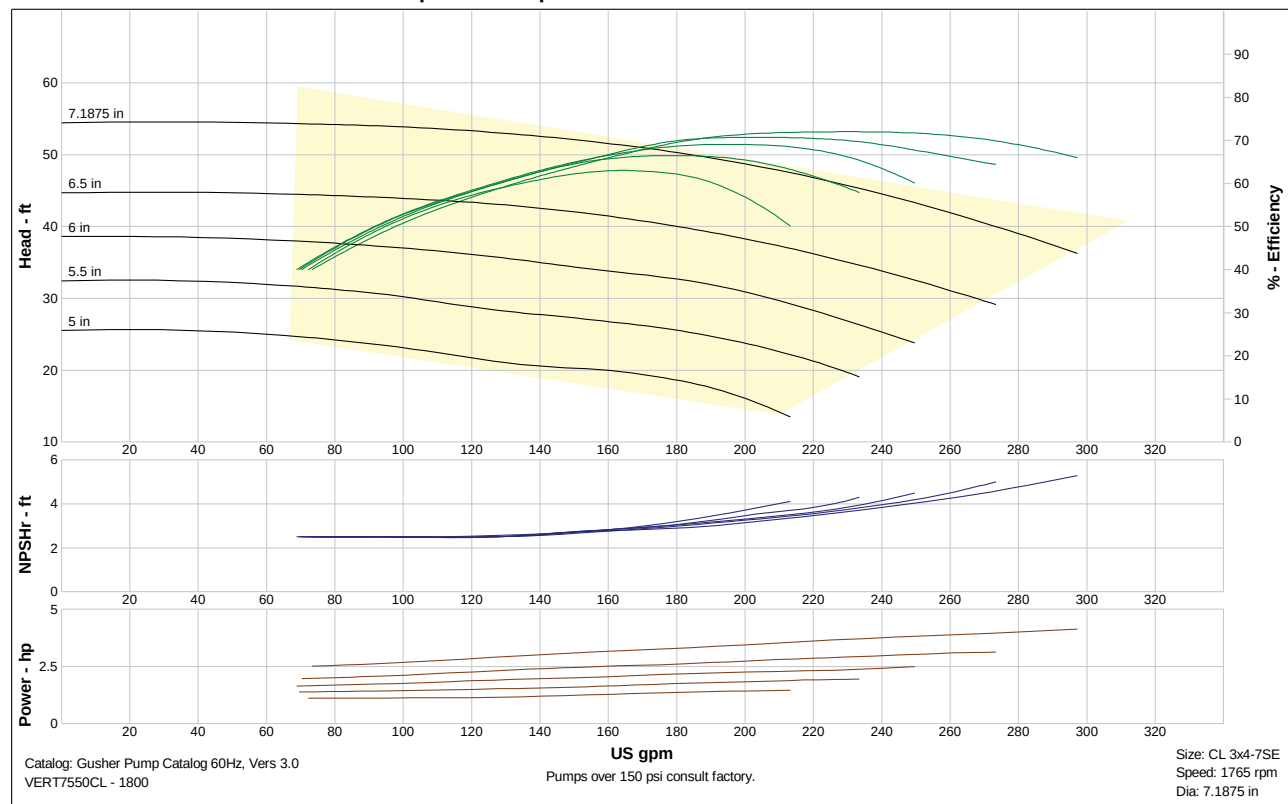
7550/7600/EC centerline

Pump Selection Curves

VERT7550CL - 1800 Size: CL 2x3-6 SE Speed: 1765 rpm



VERT7550CL - 1800 Size: CL 3x4-7SE Speed: 1765 rpm



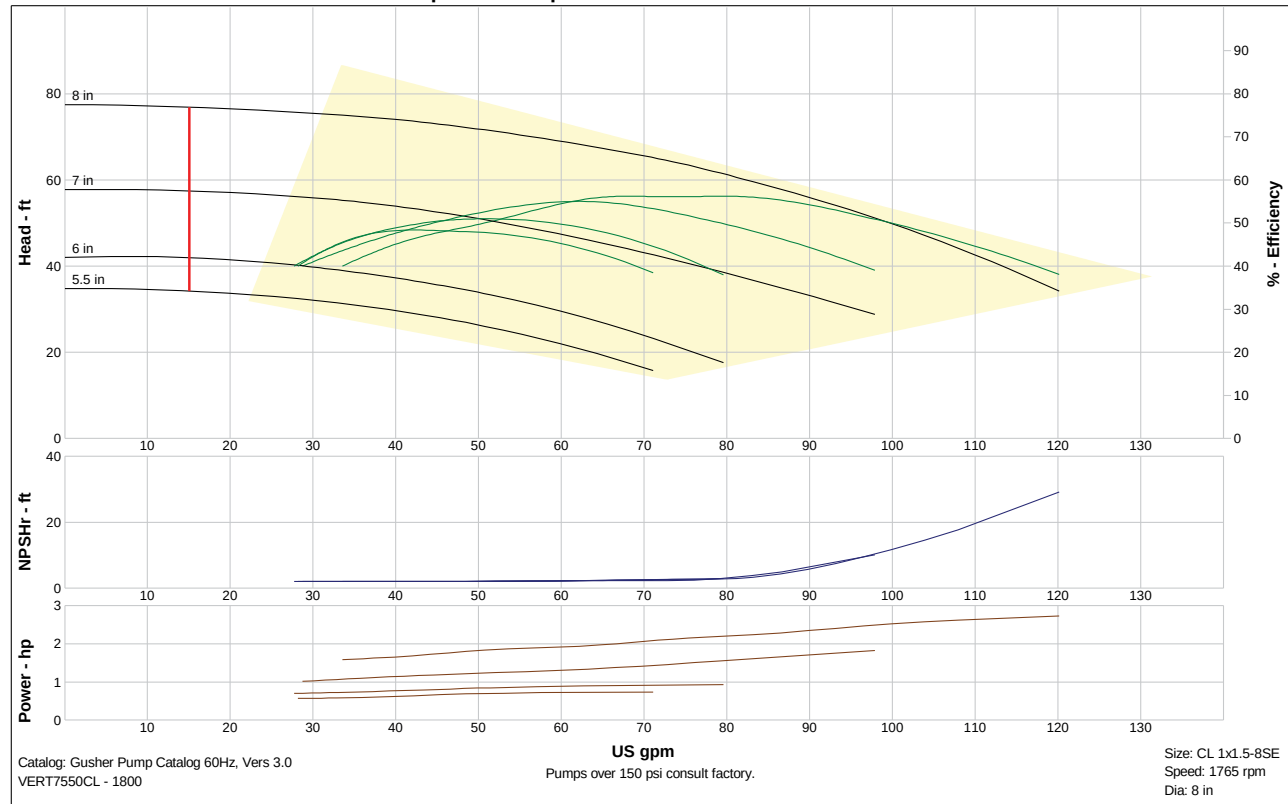


Vertical Heavy Duty Pumps

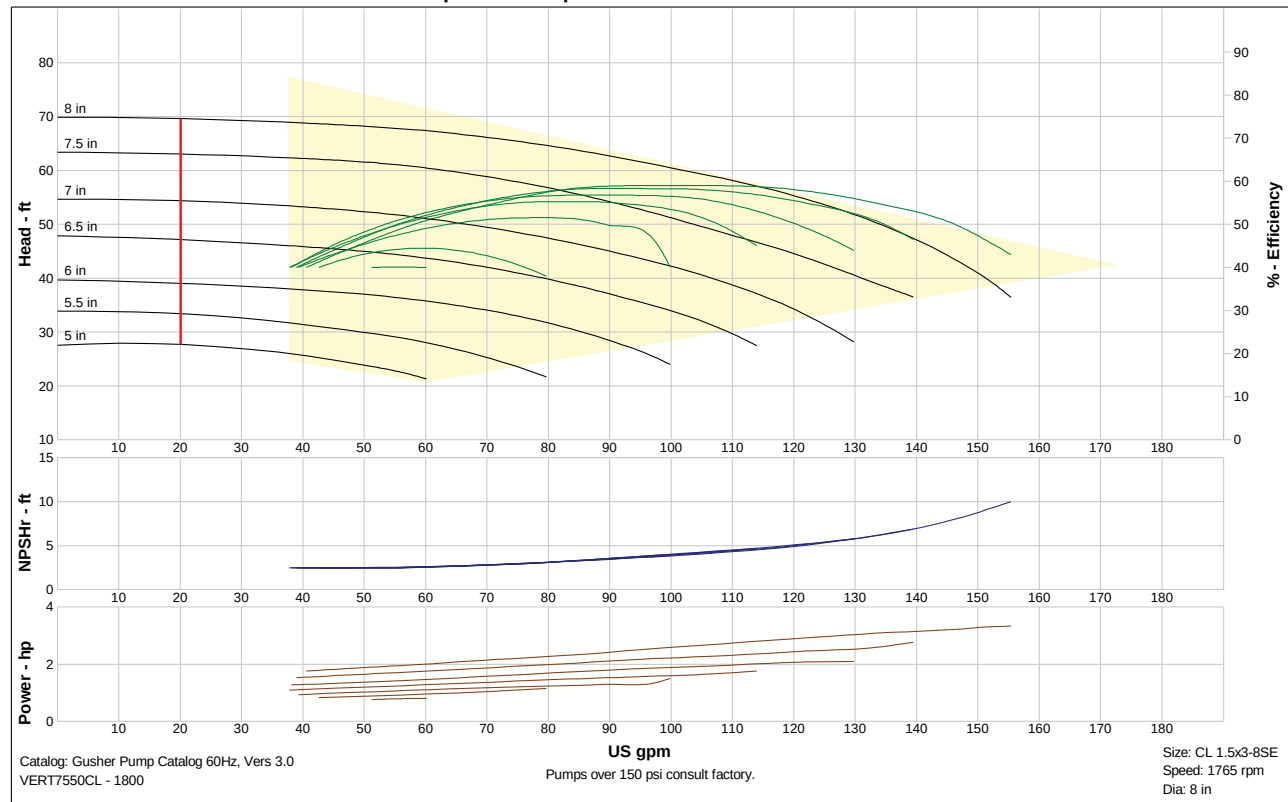
7550/7600/EC centerline

Pump Selection Curves

VERT7550CL - 1800 Size: CL 1x1.5-8SE Speed: 1765 rpm



VERT7550CL - 1800 Size: CL 1.5x3-8SE Speed: 1765 rpm



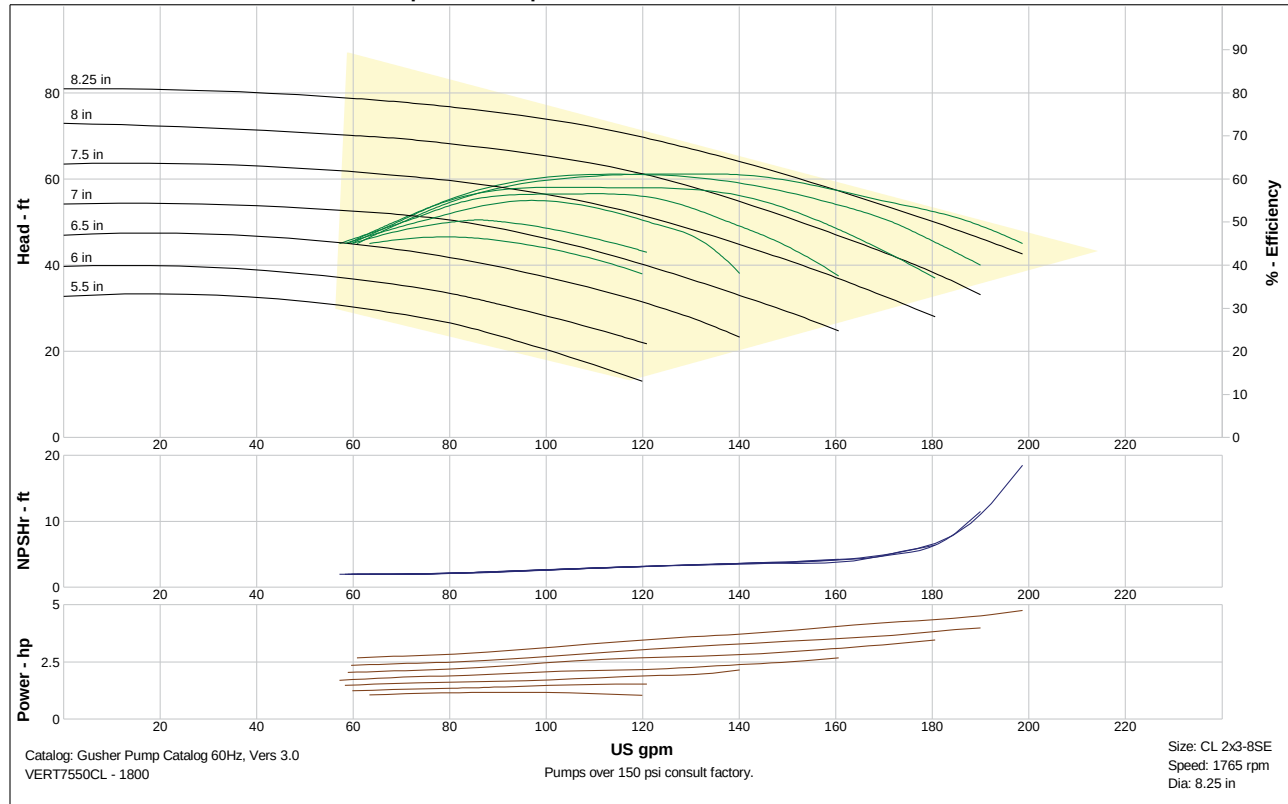


Vertical Heavy Duty Pumps

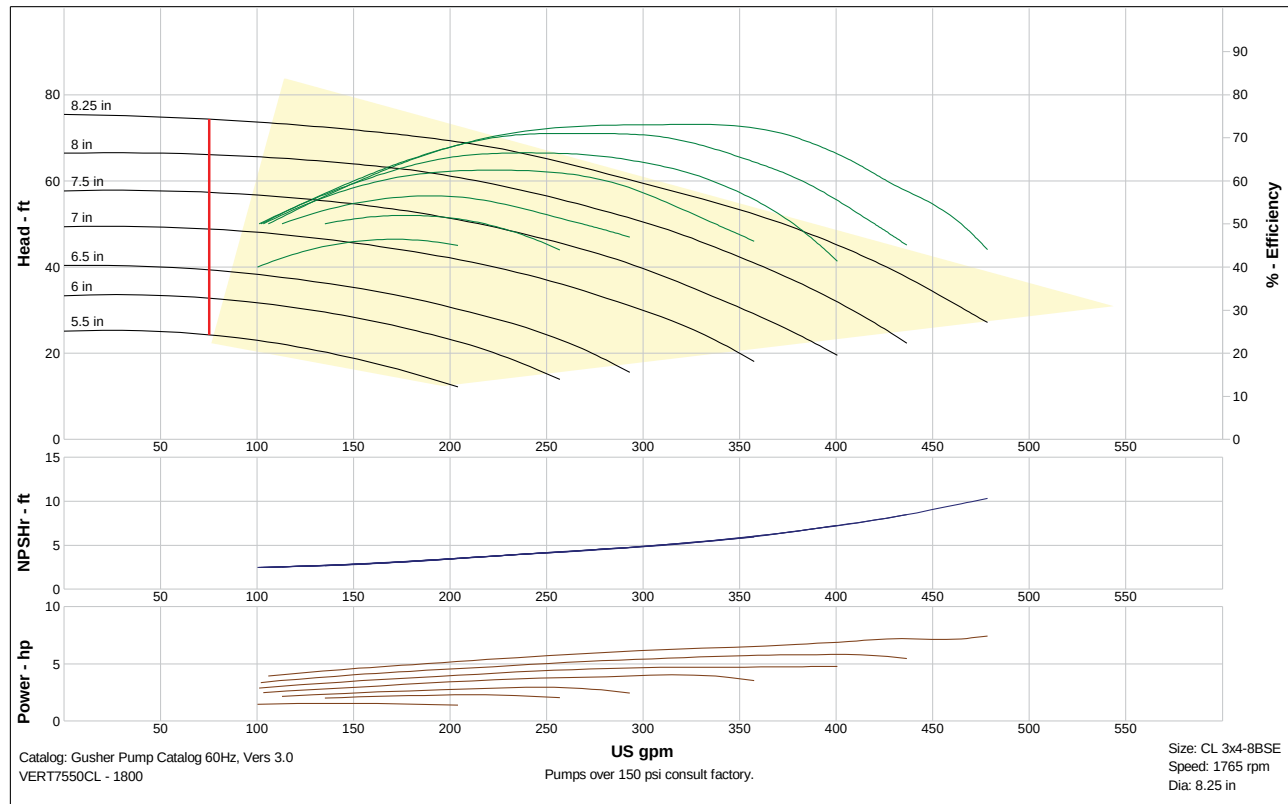
7550/7600/EC centerline

Pump Selection Curves

VERT7550CL - 1800 Size: CL 2x3-8SE Speed: 1765 rpm



VERT7550CL - 1800 Size: CL 3x4-8BSE Speed: 1765 rpm



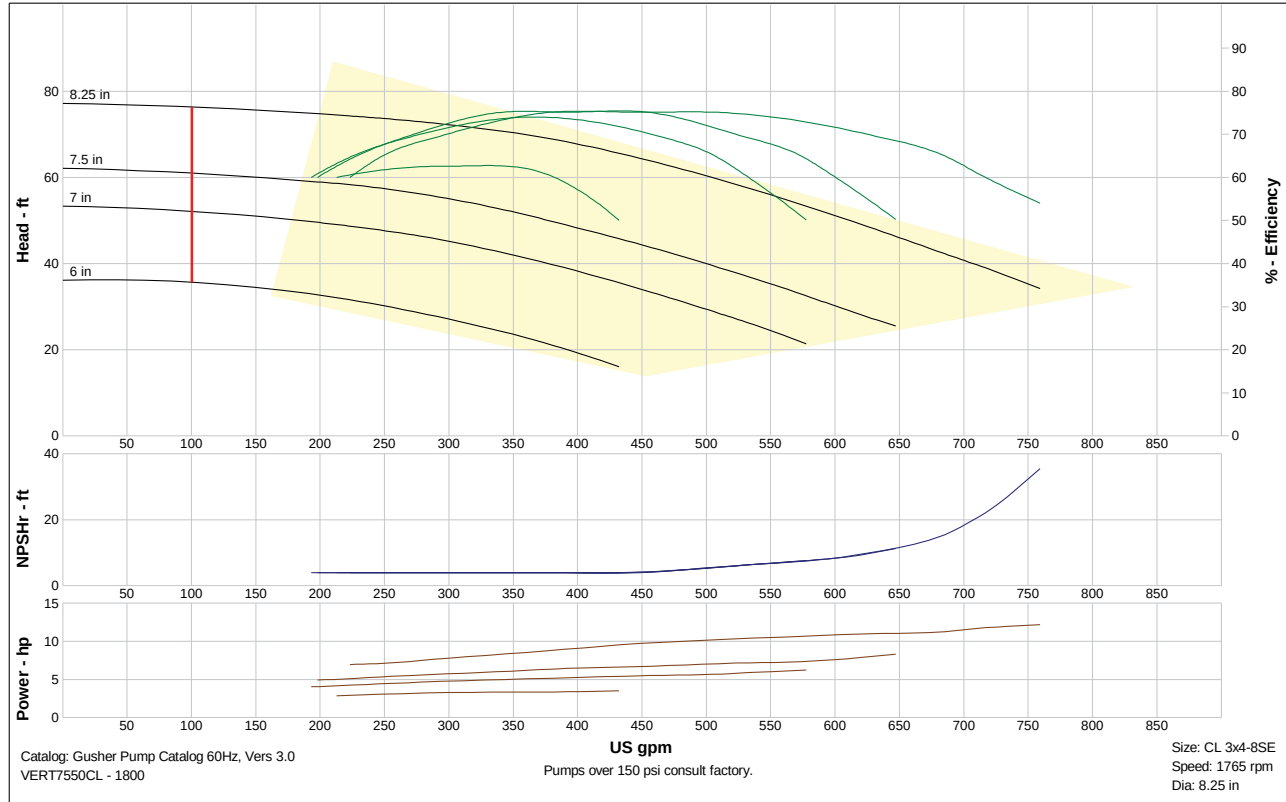


Vertical Heavy Duty Pumps

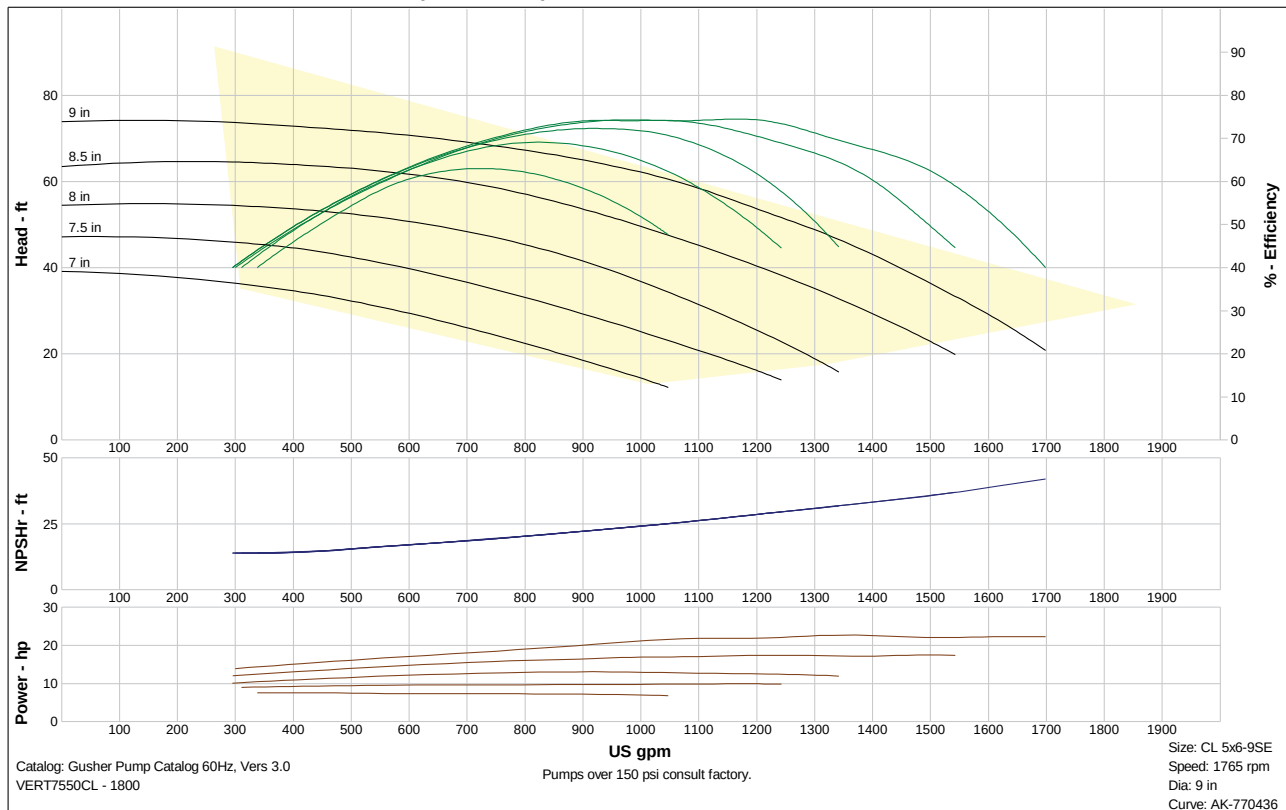
7550/7600/EC centerline

Pump Selection Curves

VERT7550CL - 1800 Size: CL 3x4-8SE Speed: 1765 rpm



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



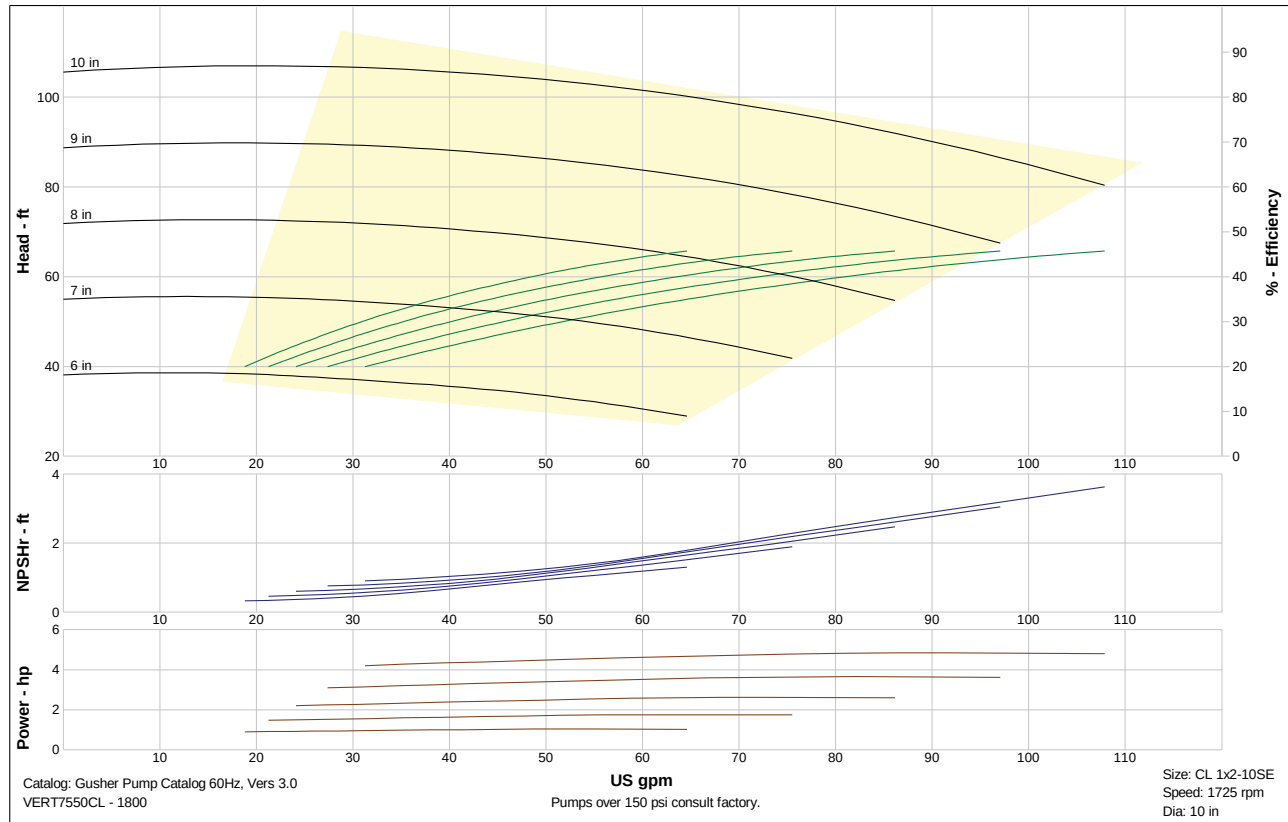


Vertical Heavy Duty Pumps

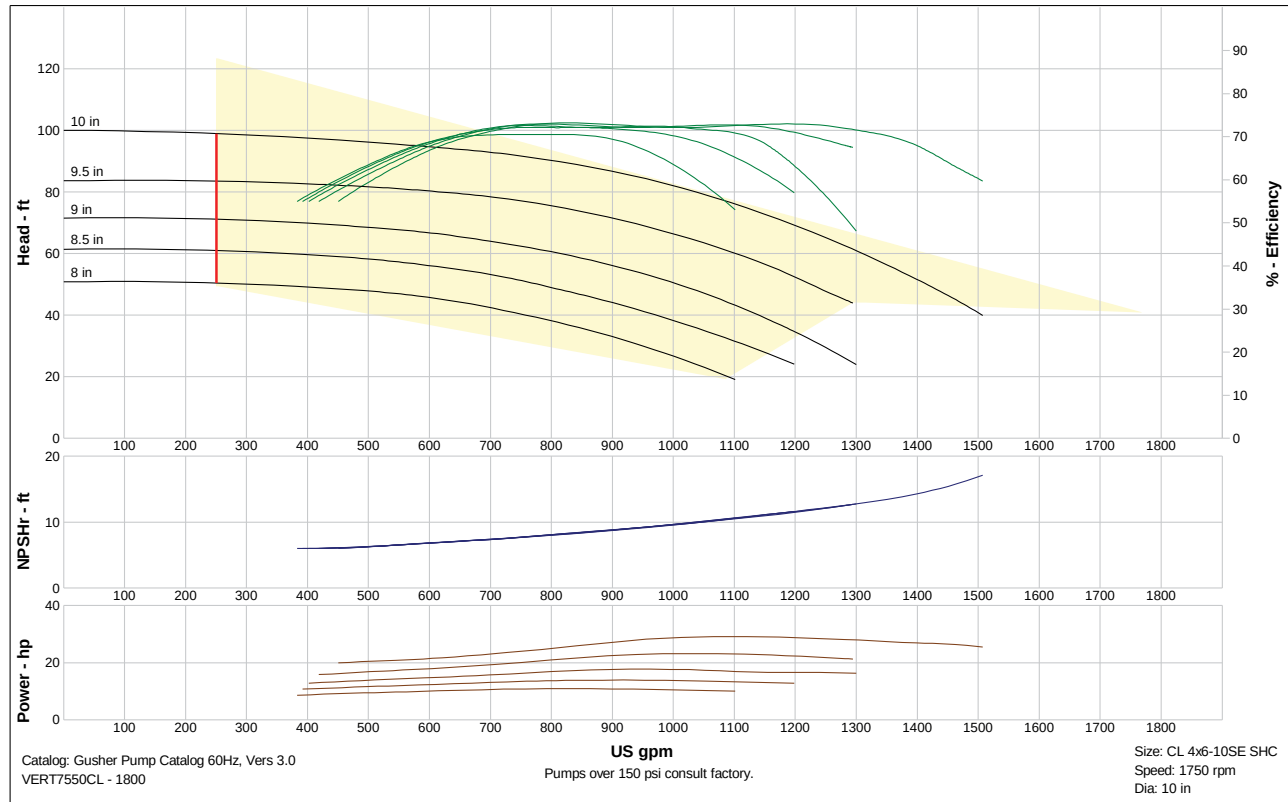
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 1x2-10SE Speed: 1725 rpm

Pump Selection Curves



VERT7550CL - 1800 Size: CL 4x6-10SE SHC Speed: 1750 rpm



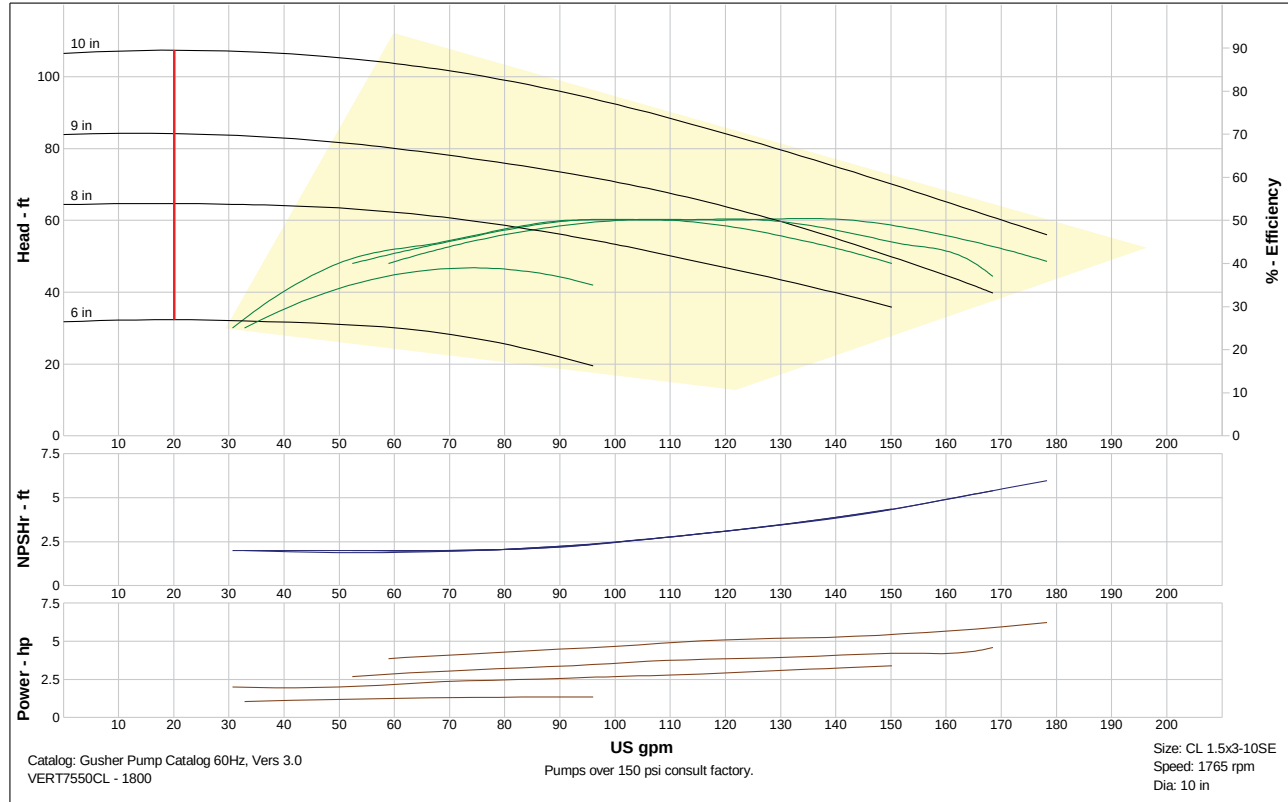


Vertical Heavy Duty Pumps

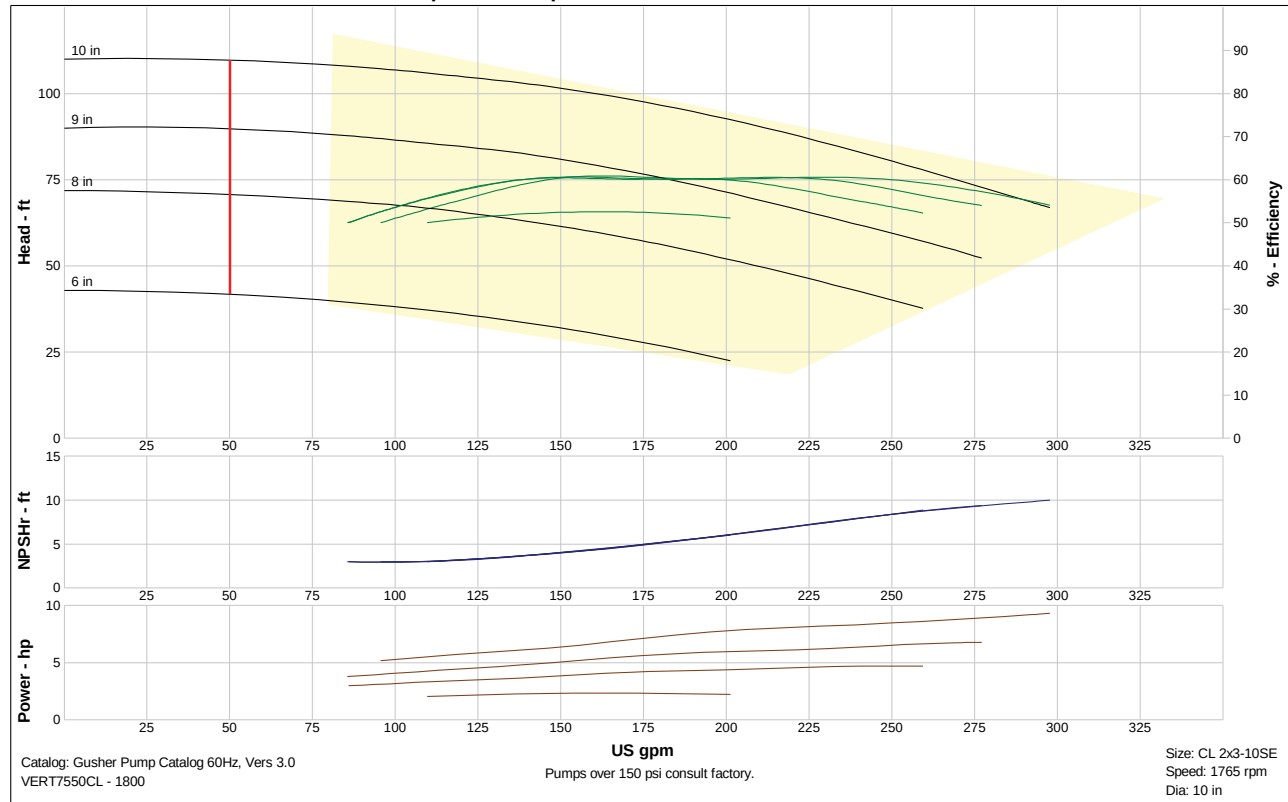
7550/7600/EC centerline

Pump Selection Curves

VERT7550CL - 1800 Size: CL 1.5x3-10SE Speed: 1765 rpm



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



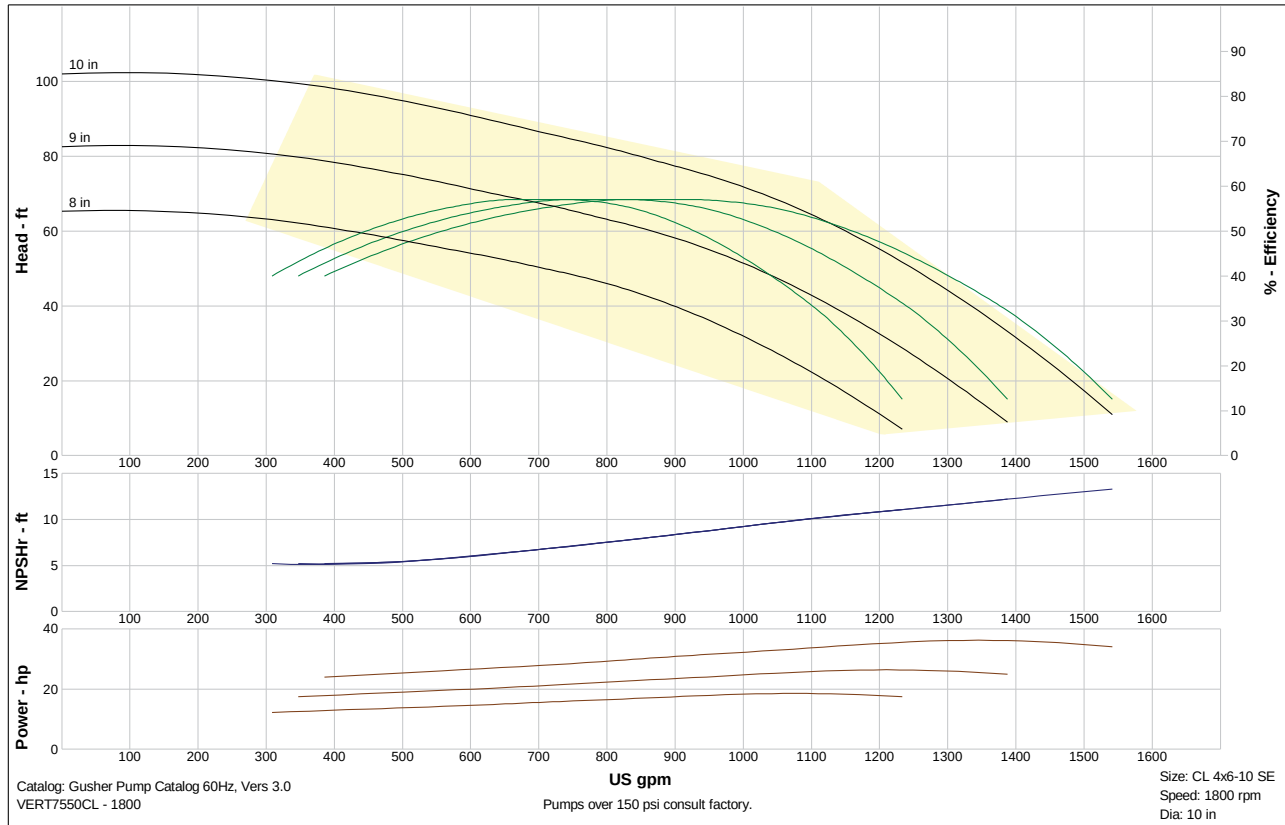


Vertical Heavy Duty Pumps

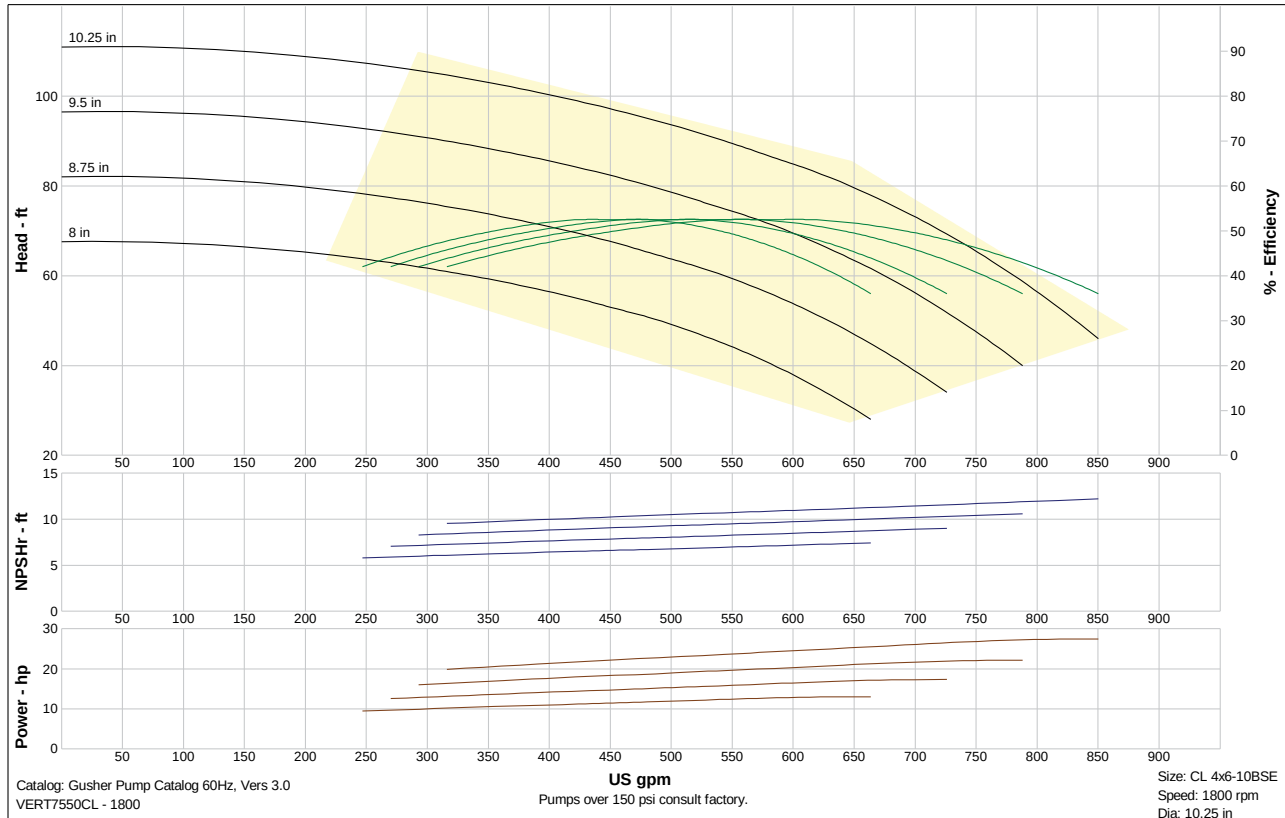
7550/7600/EC centerline

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

Pump Selection Curves



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



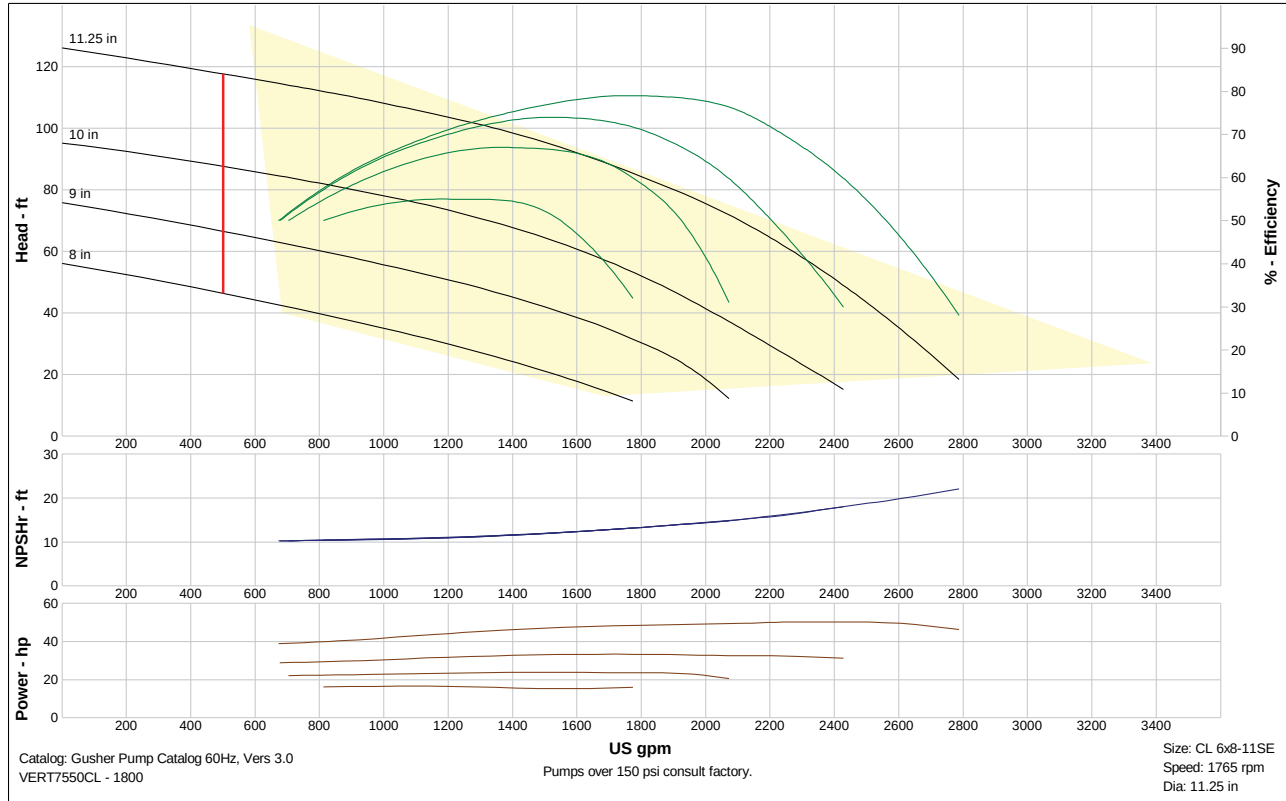


Vertical Heavy Duty Pumps

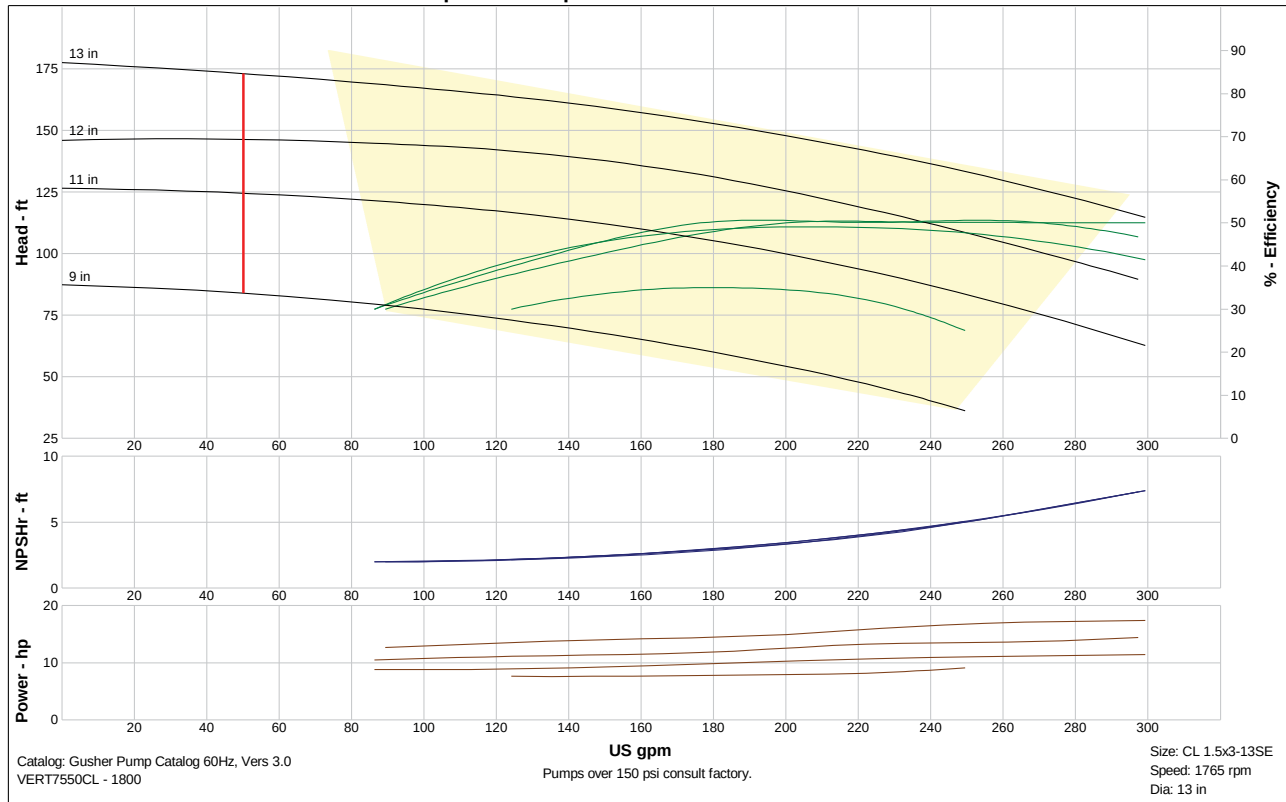
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 6x8-11SE Speed: 1765 rpm

PumpSelectionCurves



VERT7550CL - 1800 Size: CL 1.5x3-13SE Speed: 1765 rpm



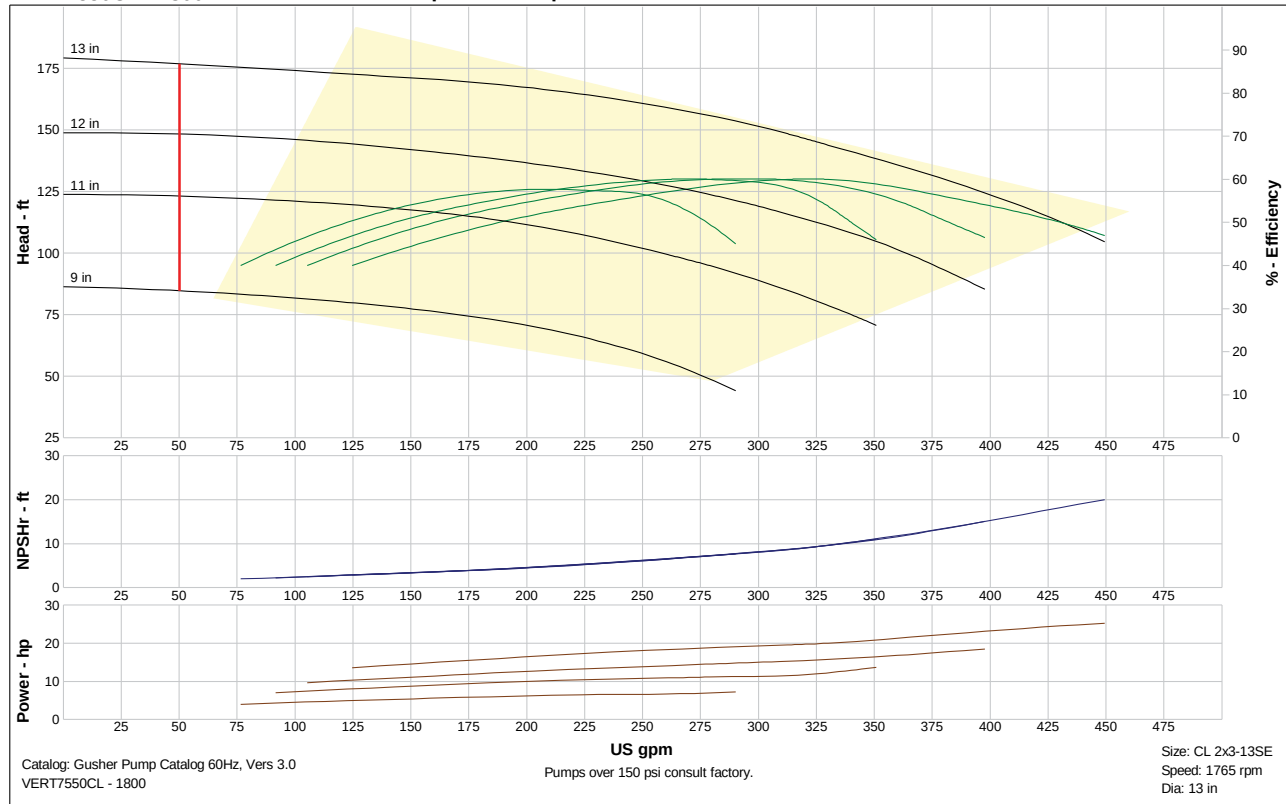


Vertical Heavy Duty Pumps

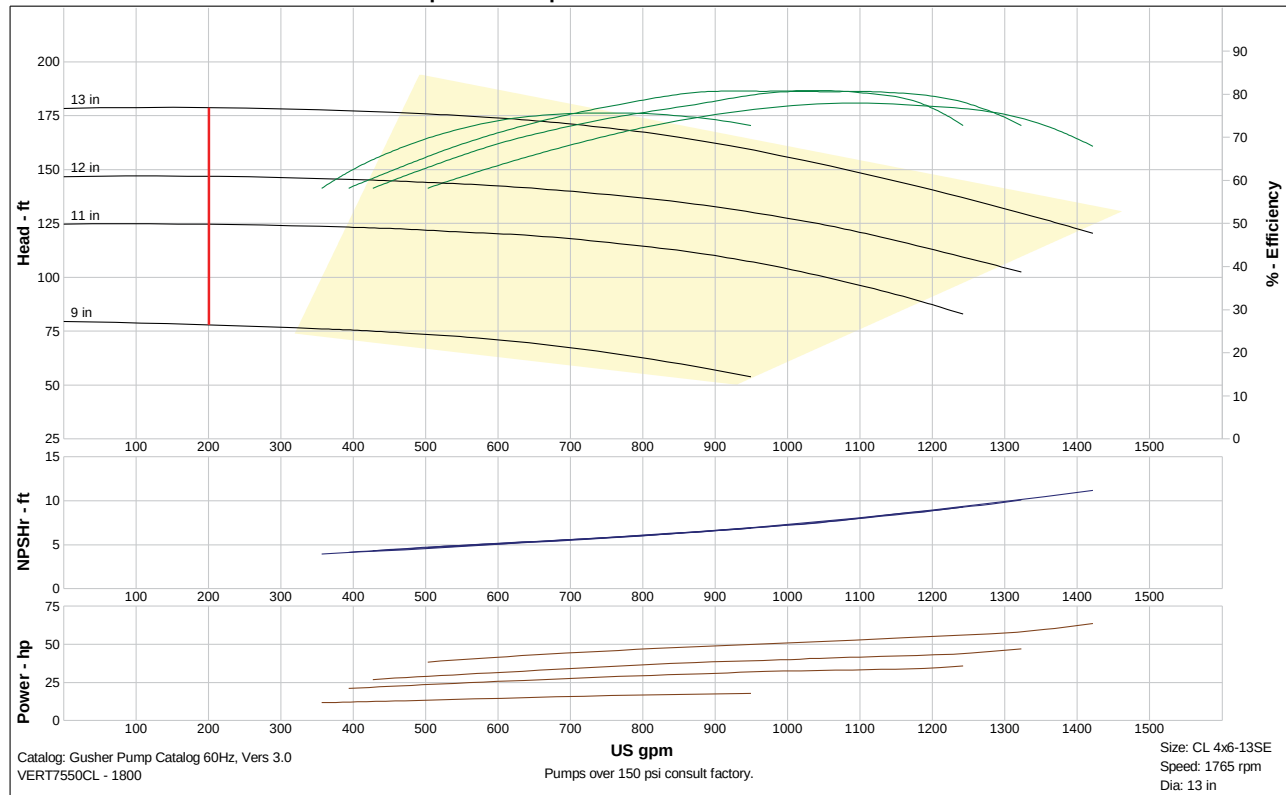
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 2x3-13SE Speed: 1765 rpm

Pump Selection Curves



VERT7550CL - 1800 Size: CL 4x6-13SE Speed: 1765 rpm



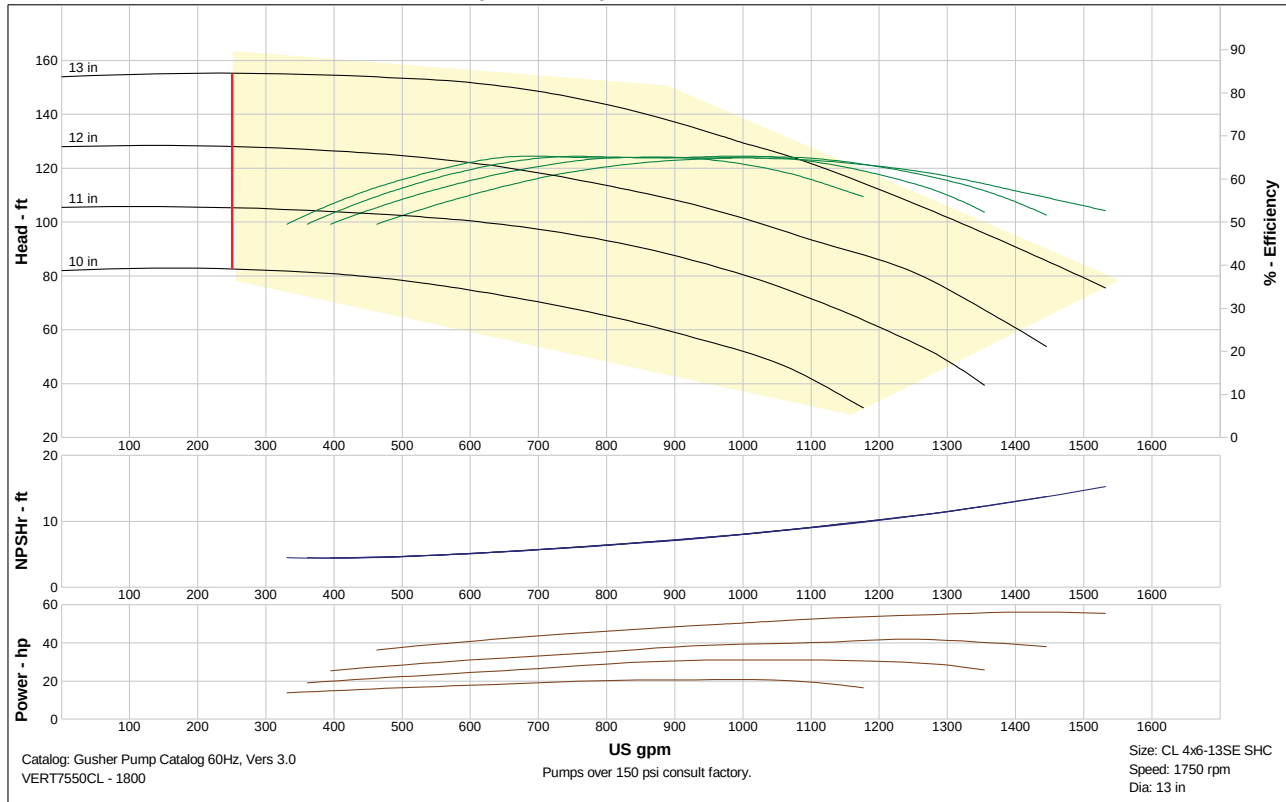


Vertical Heavy Duty Pumps

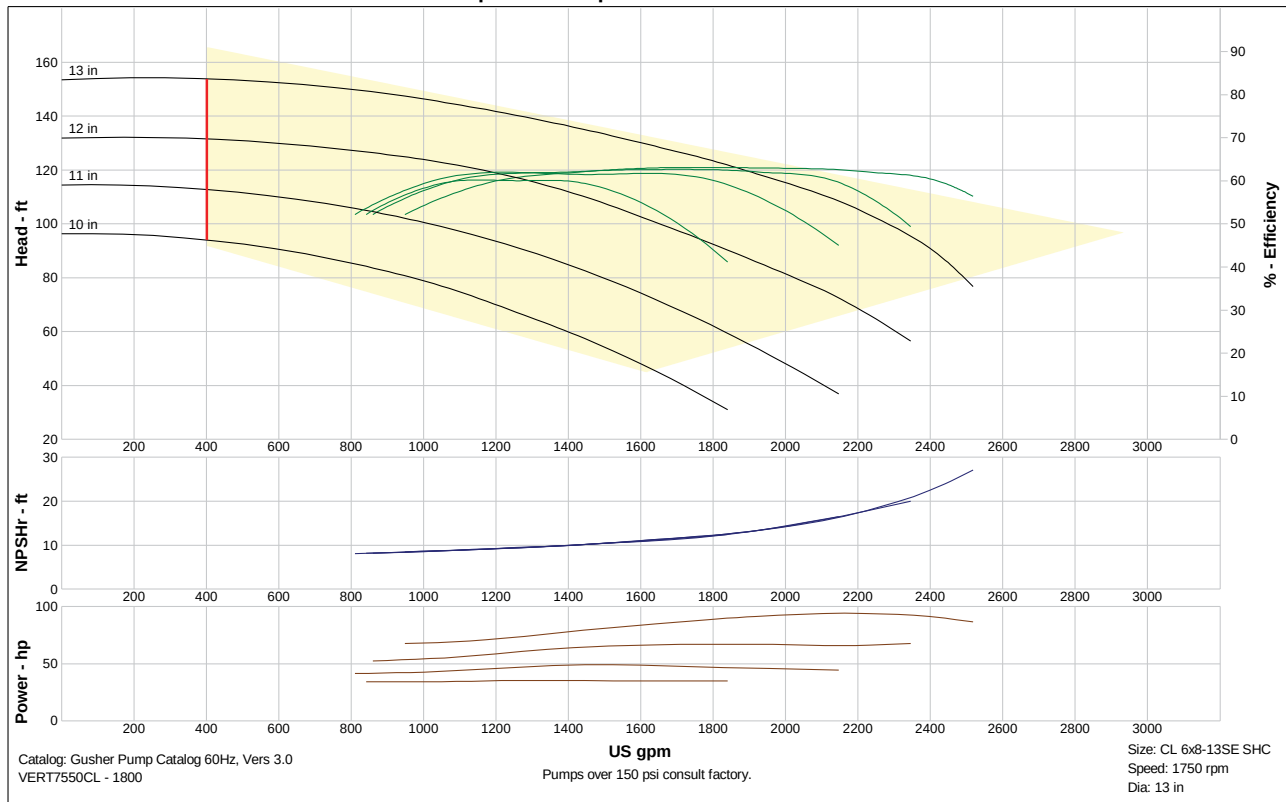
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 4x6-13SE SHC Speed: 1750 rpm

PumpSelectionCurves



VERT7550CL - 1800 Size: CL 6x8-13SE SHC Speed: 1750 rpm



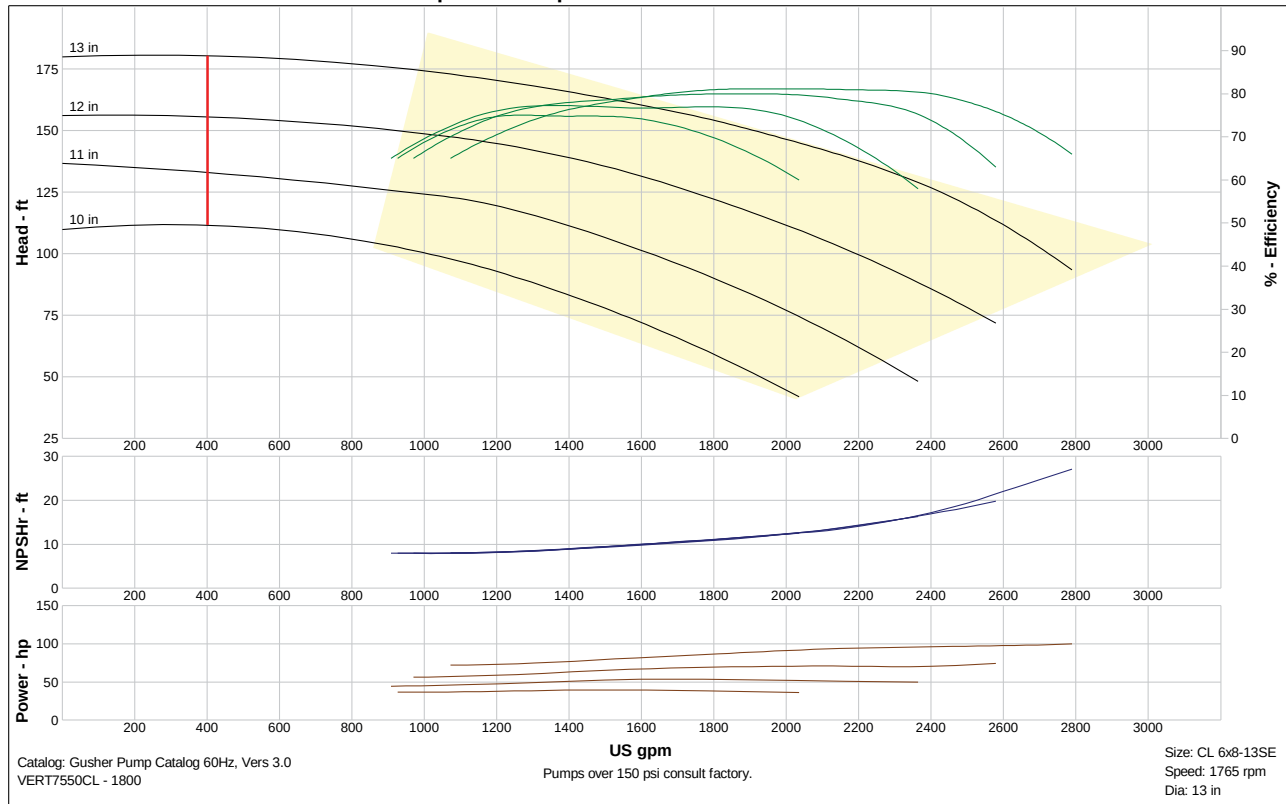


Vertical Heavy Duty Pumps

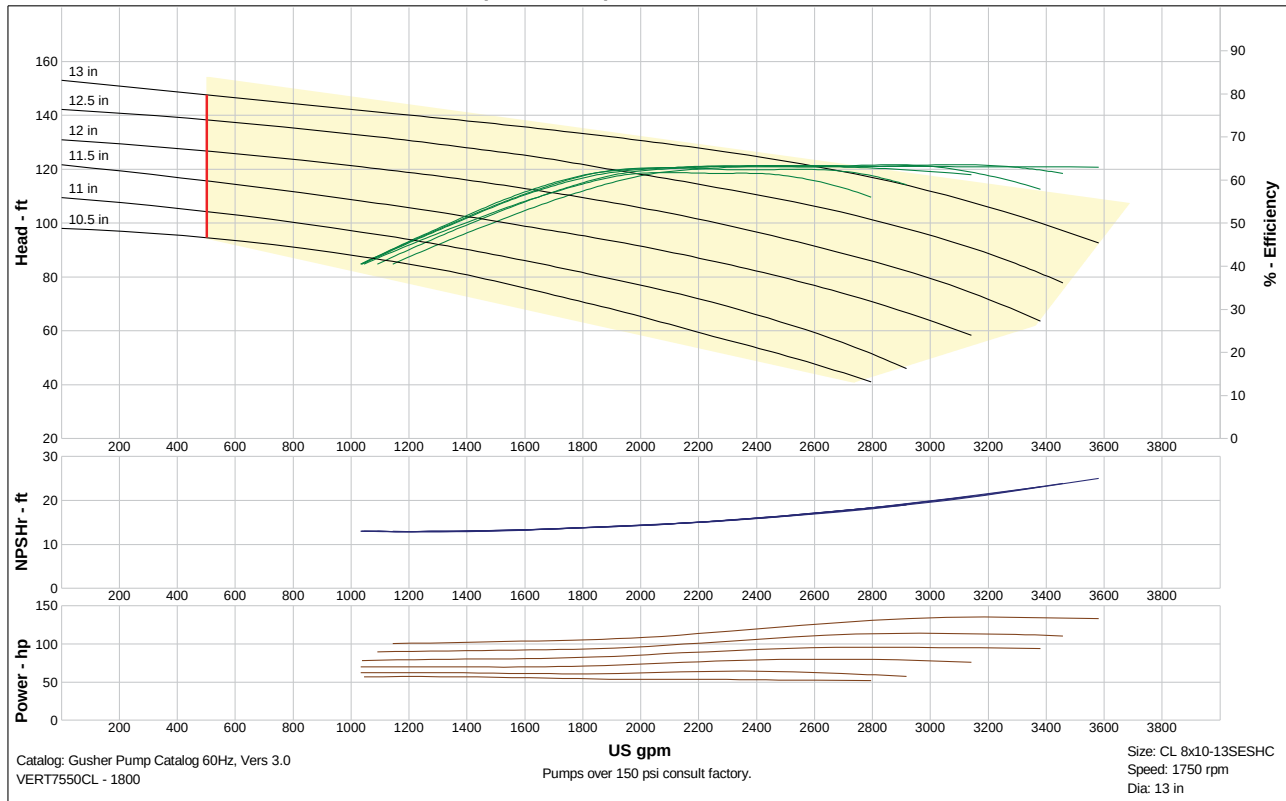
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 6x8-13SE Speed: 1765 rpm

PumpSelectionCurves



VERT7550CL - 1800 Size: CL 8x10-13SESHC Speed: 1750 rpm



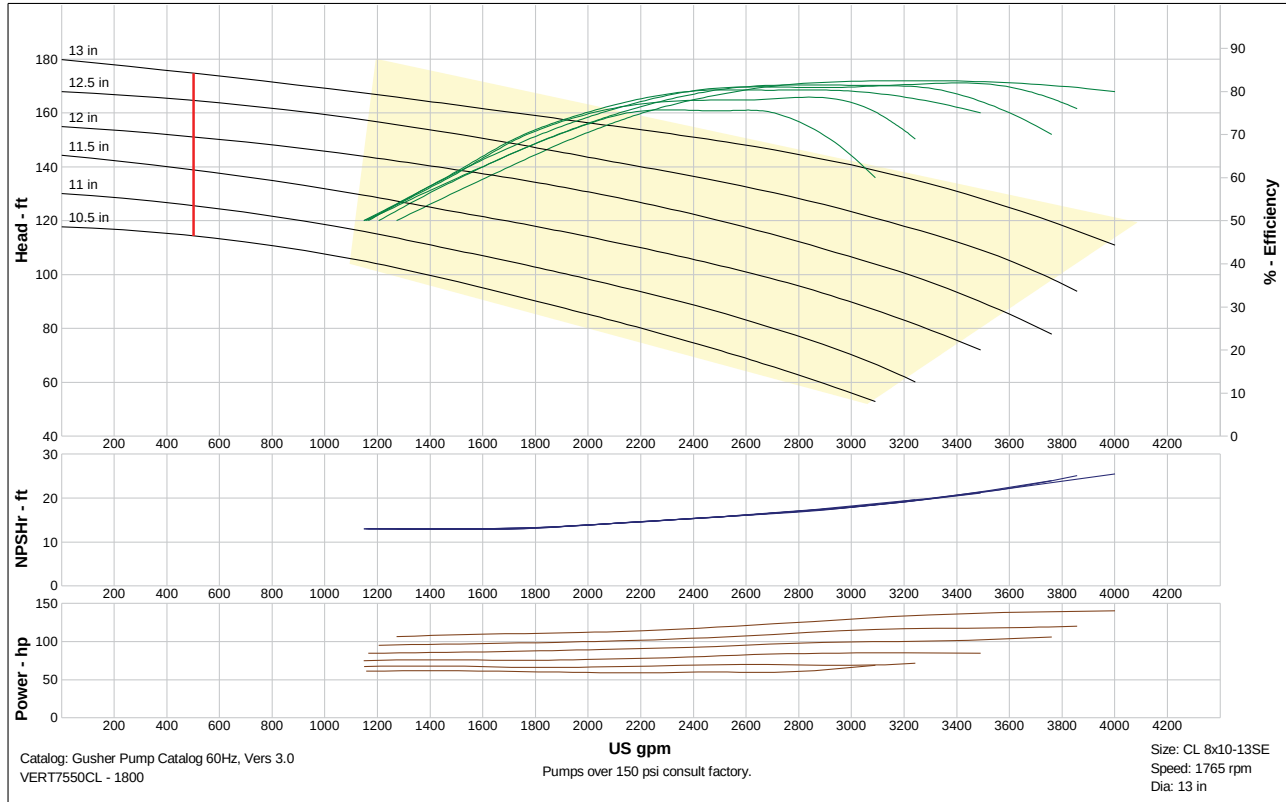


Vertical Heavy Duty Pumps

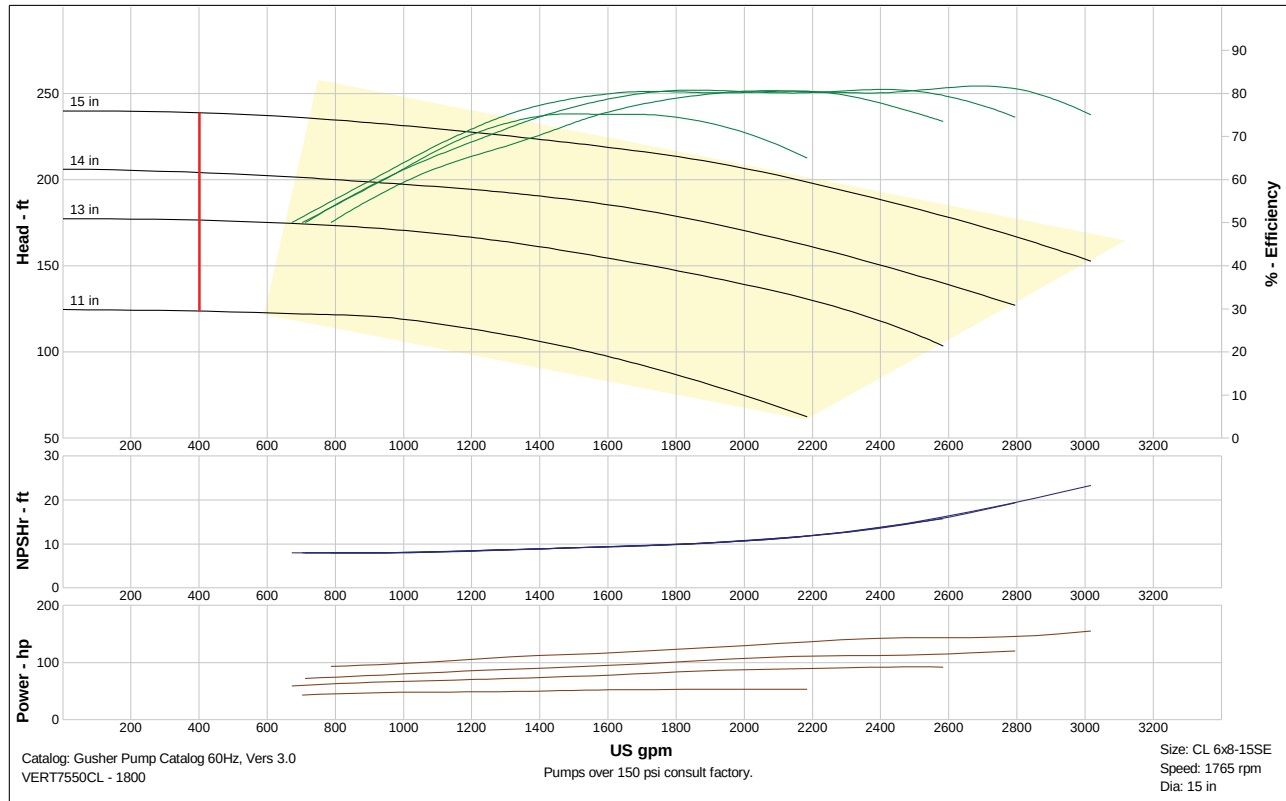
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 8x10-13SE Speed: 1765 rpm

PumpSelectionCurves



VERT7550CL - 1800 Size: CL 6x8-15SE Speed: 1765 rpm



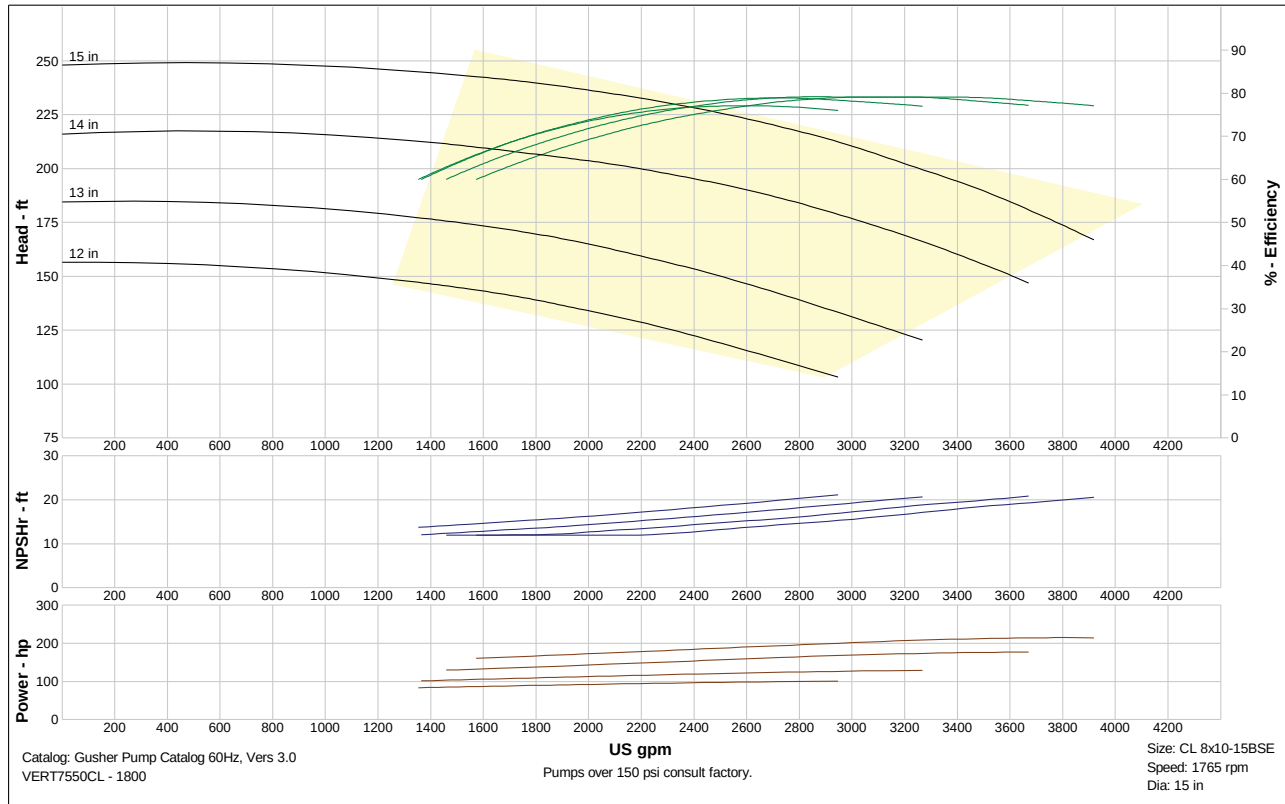


Vertical Heavy Duty Pumps

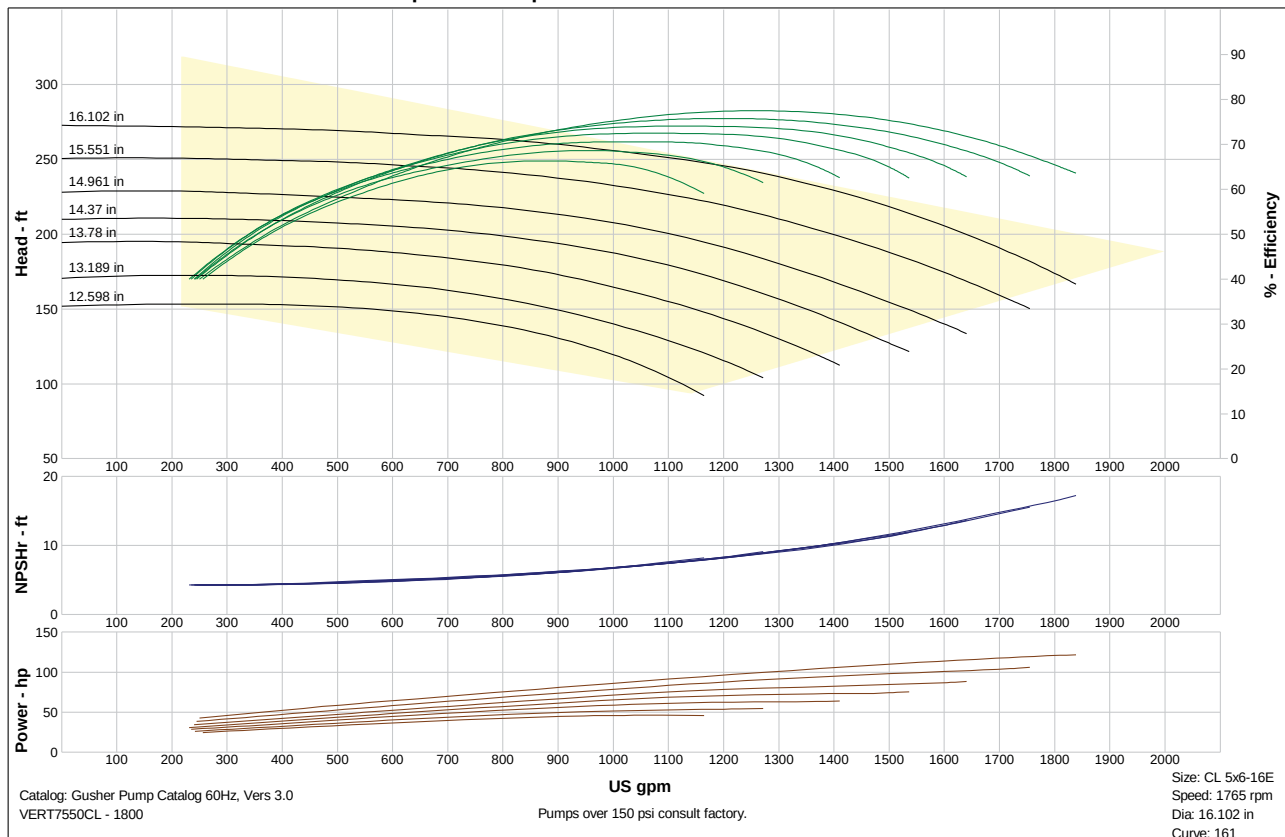
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 8x10-15BSE Speed: 1765 rpm

Pump Selection Curves



VERT7550CL - 1800 Size: CL 5x6-16E Speed: 1765 rpm



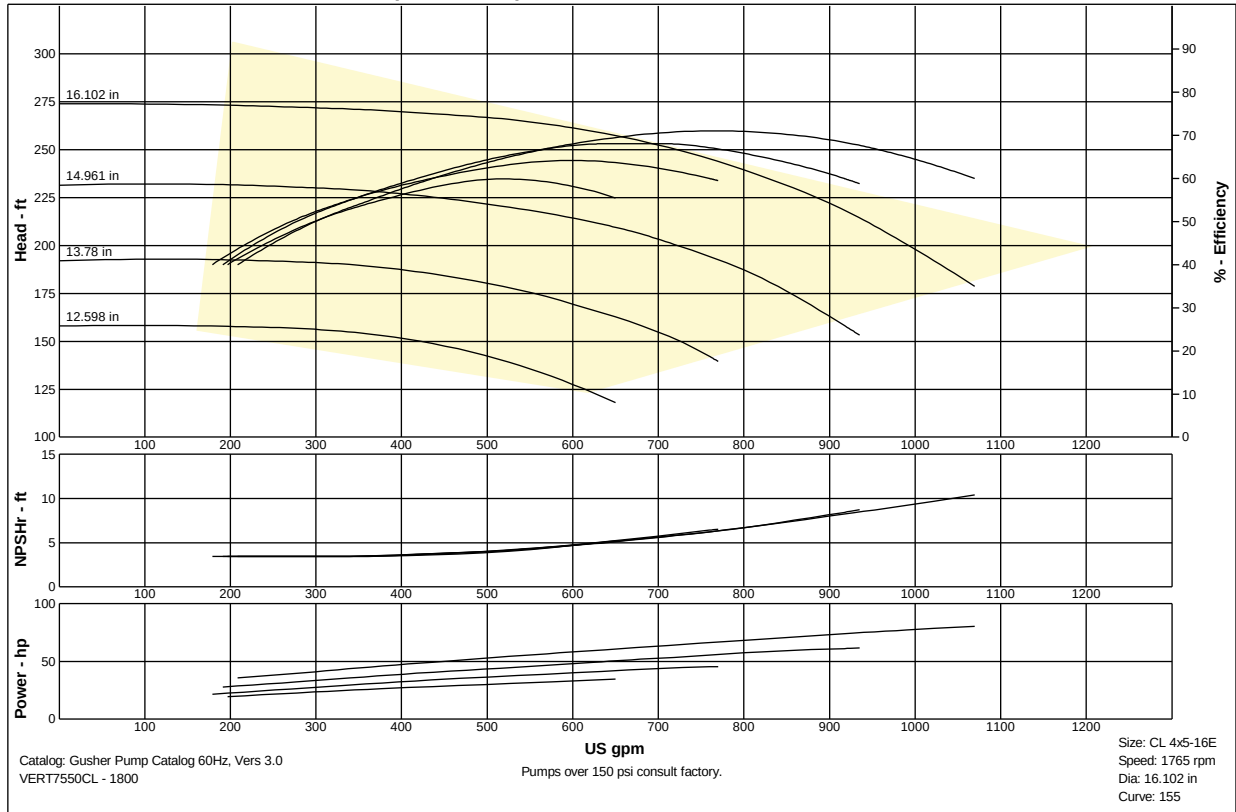


Vertical Heavy Duty Pumps

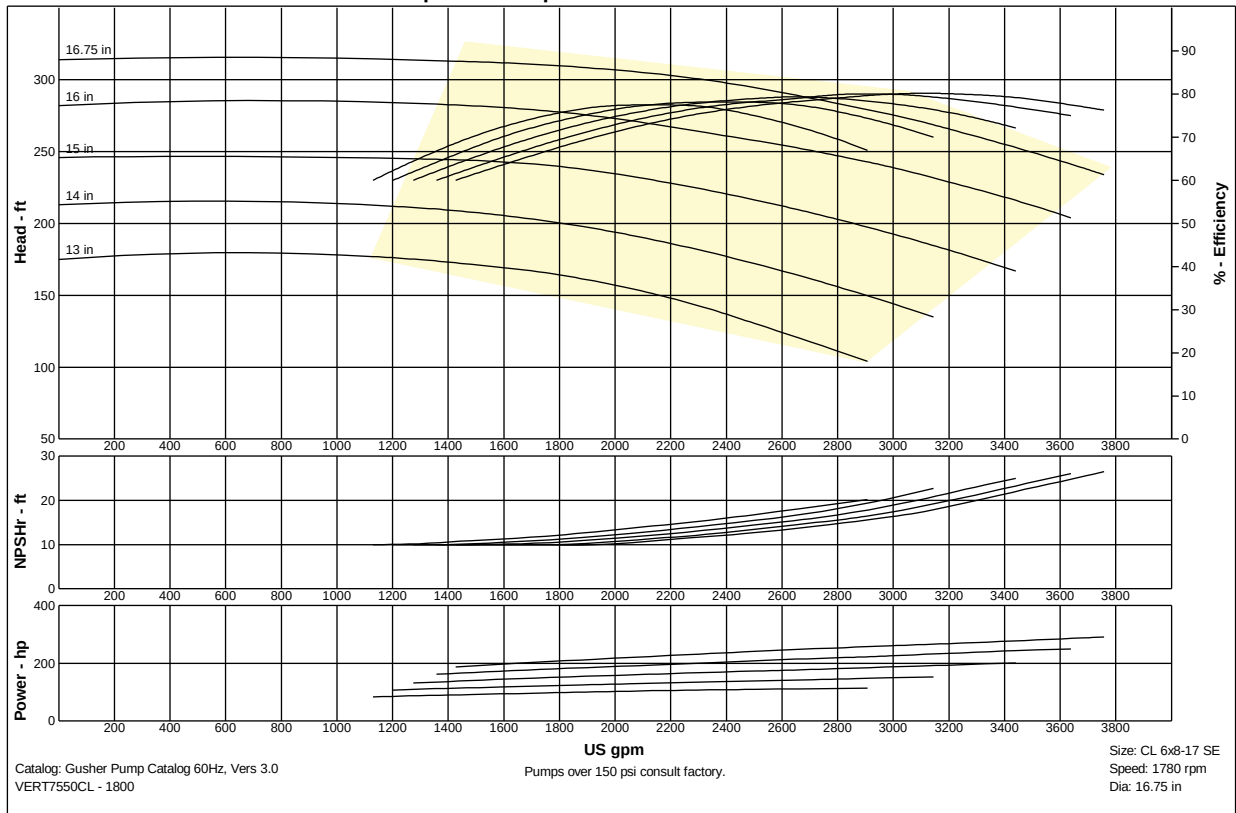
7550/7600/EC centerline

Pump Selection Curves

VERT7550CL - 1800 Size: CL 4x5-16E Speed: 1765 rpm



VERT7550CL - 1800 Size: CL 6x8-17 SE Speed: 1780 rpm



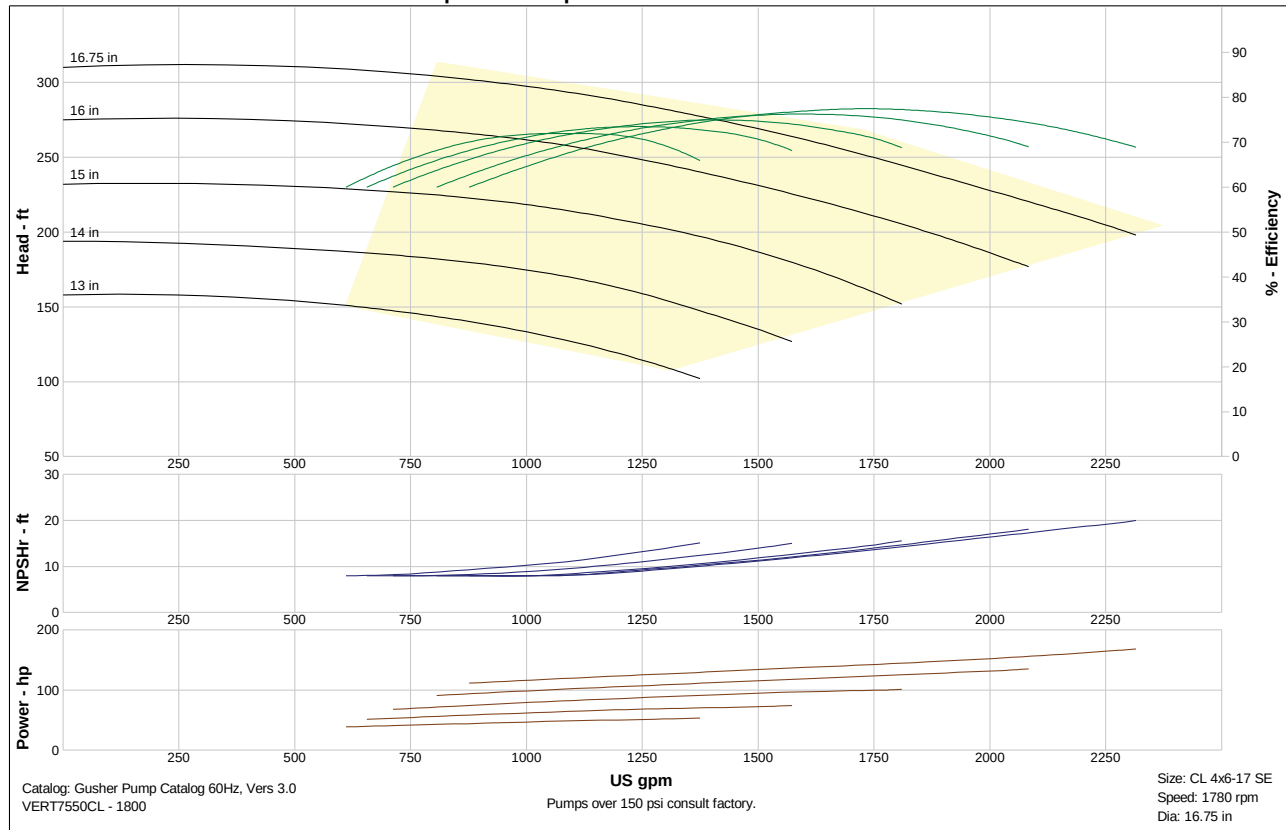


Vertical Heavy Duty Pumps

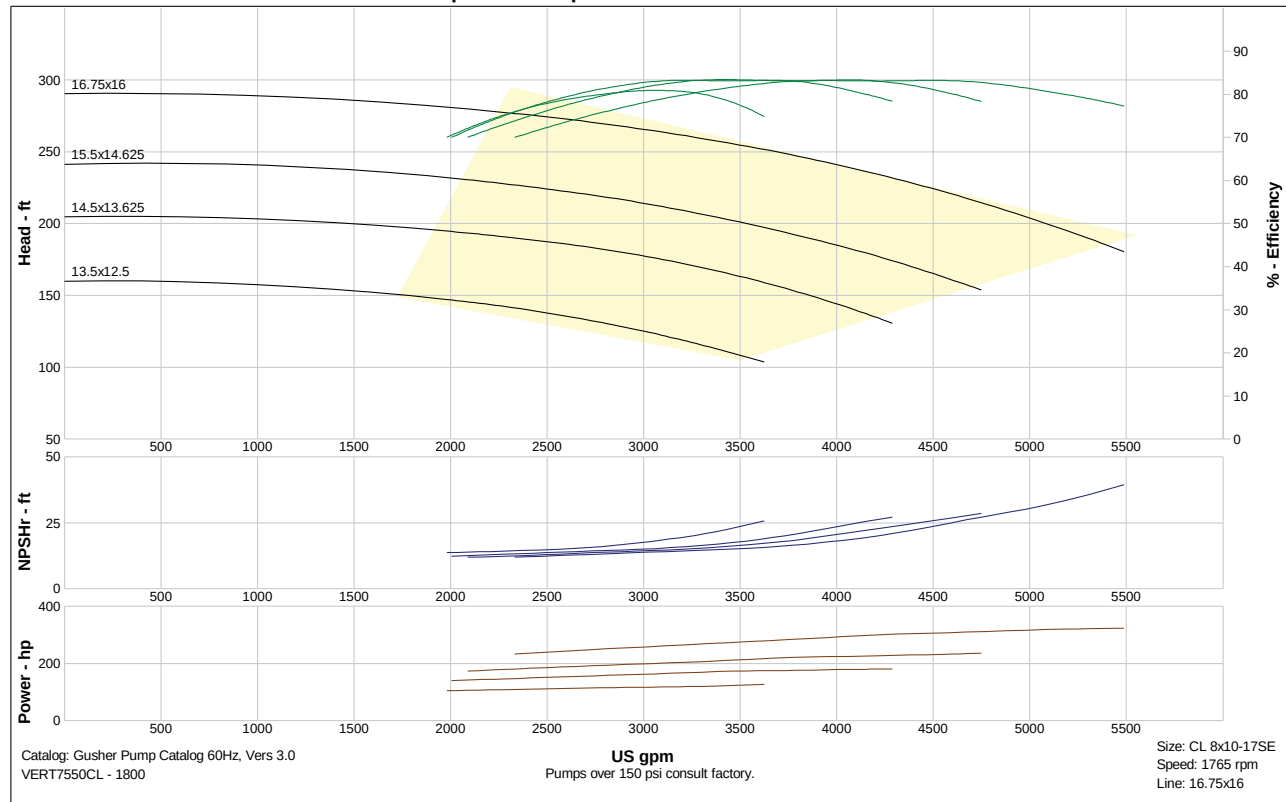
7550/7600/EC centerline

VERT7550CL - 1800 Size: CL 4x6-17 SE Speed: 1780 rpm

PumpSelectionCurves



VERT7550CL - 1800 Size: CL 8x10-17SE Speed: 1765 rpm



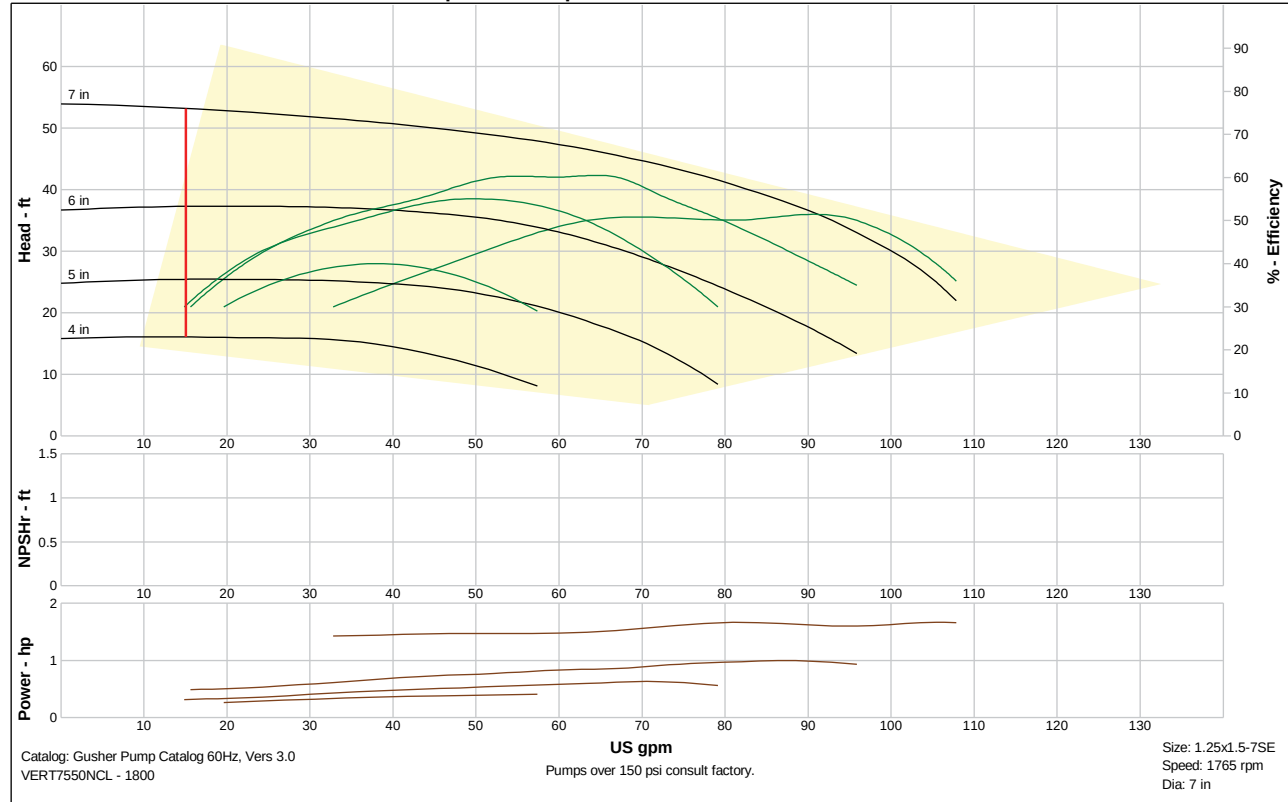


Vertical Heavy Duty Pumps

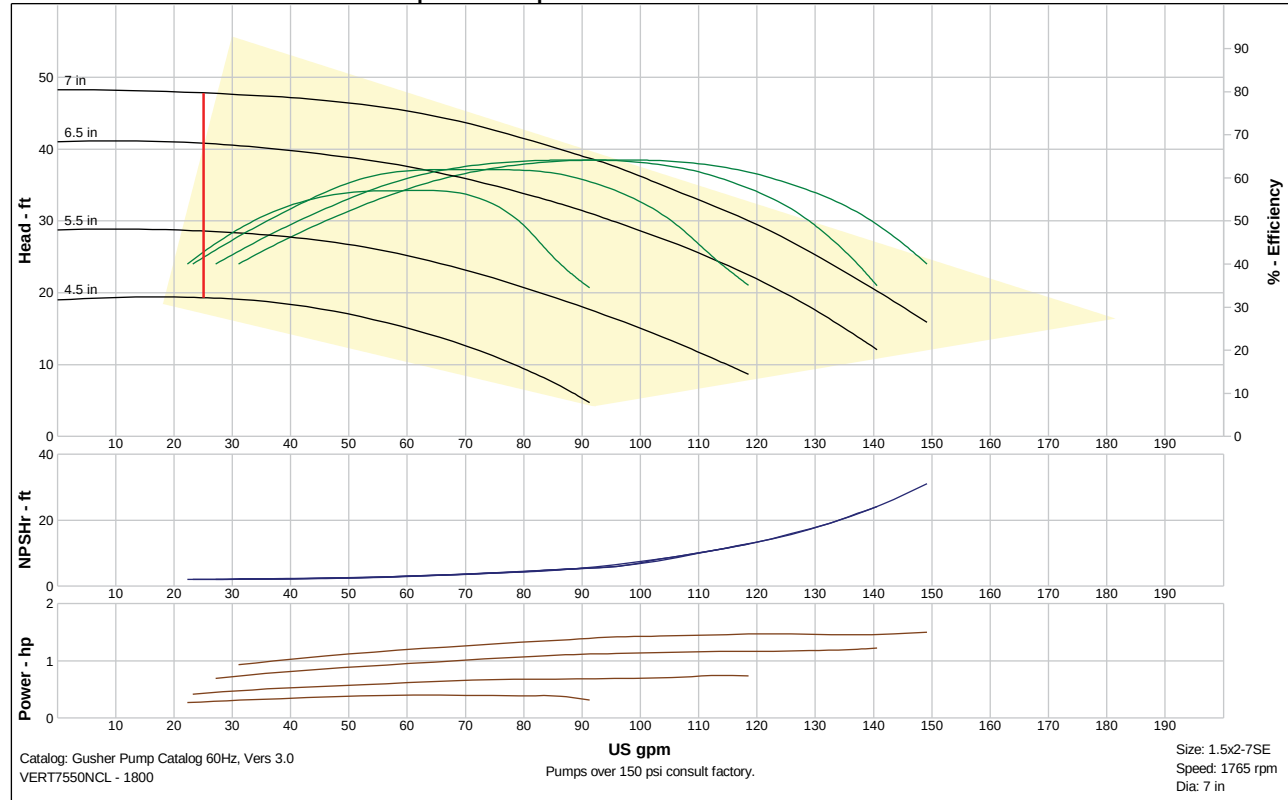
7550/7600/EC non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 1.25x1.5-7SE Speed: 1765 rpm



VERT7550NCL - 1800 Size: 1.5x2-7SE Speed: 1765 rpm



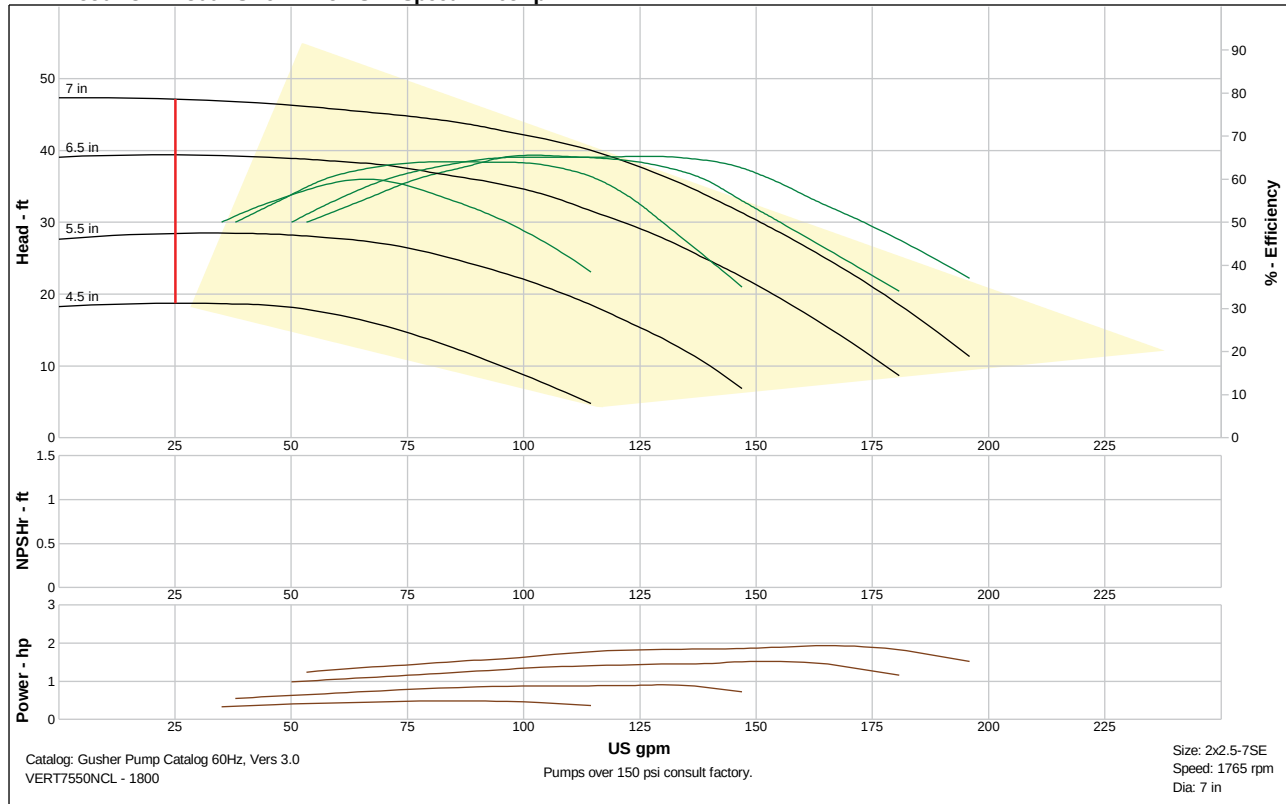


Vertical Heavy Duty Pumps

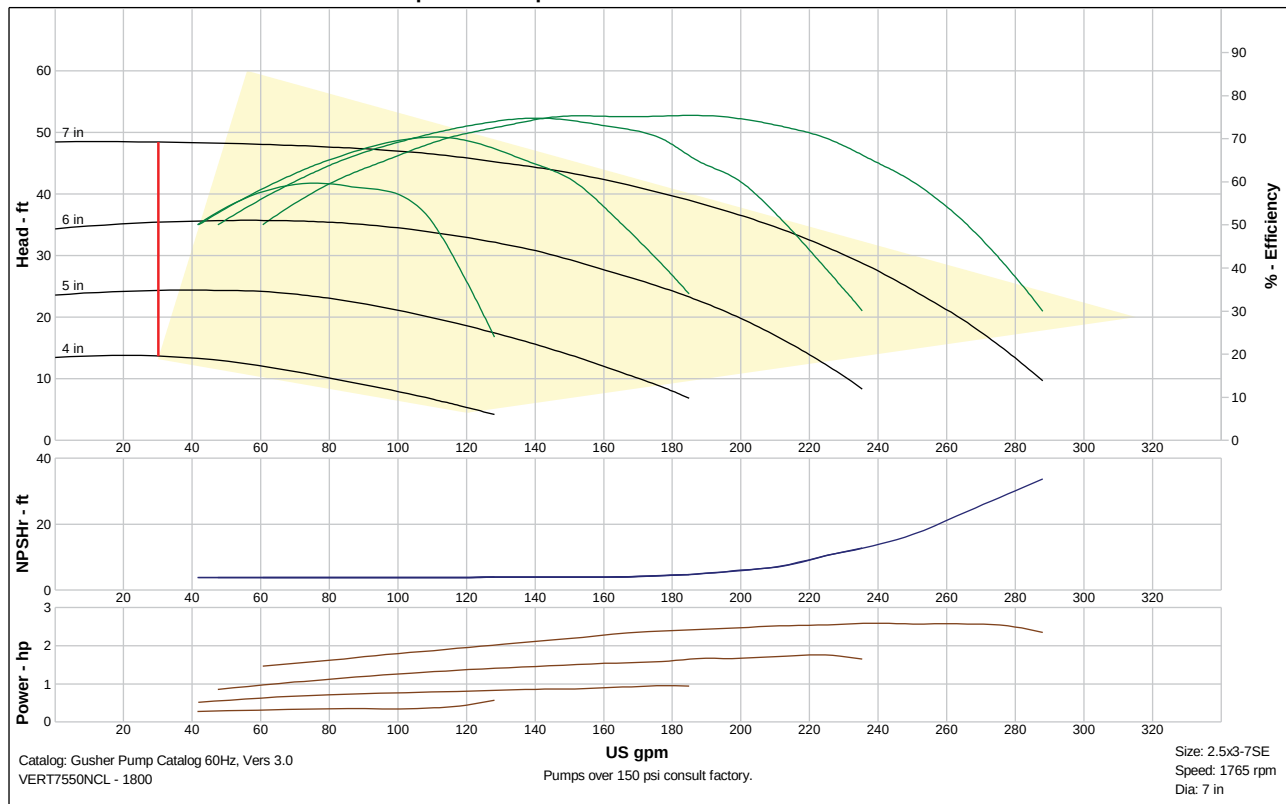
7550/7600/EC non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 2x2.5-7SE Speed: 1765 rpm



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



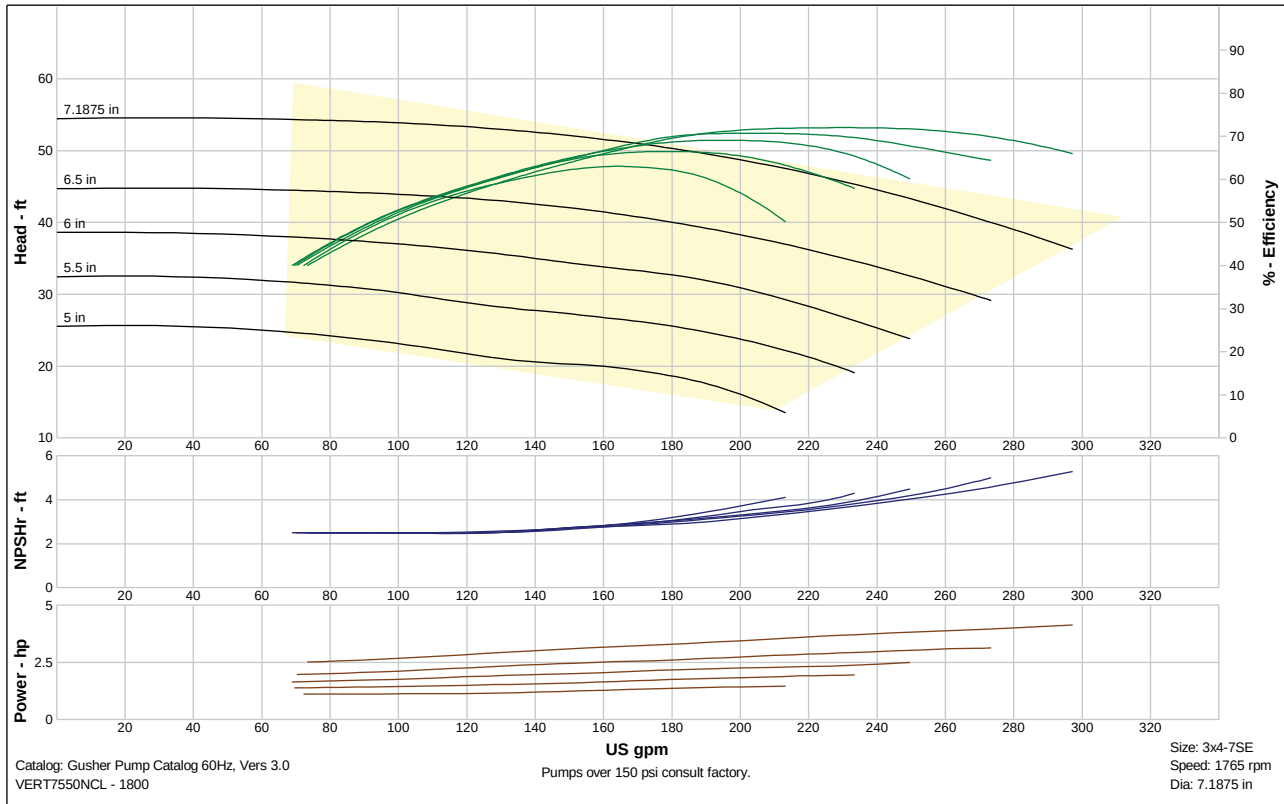


Vertical Heavy Duty Pumps

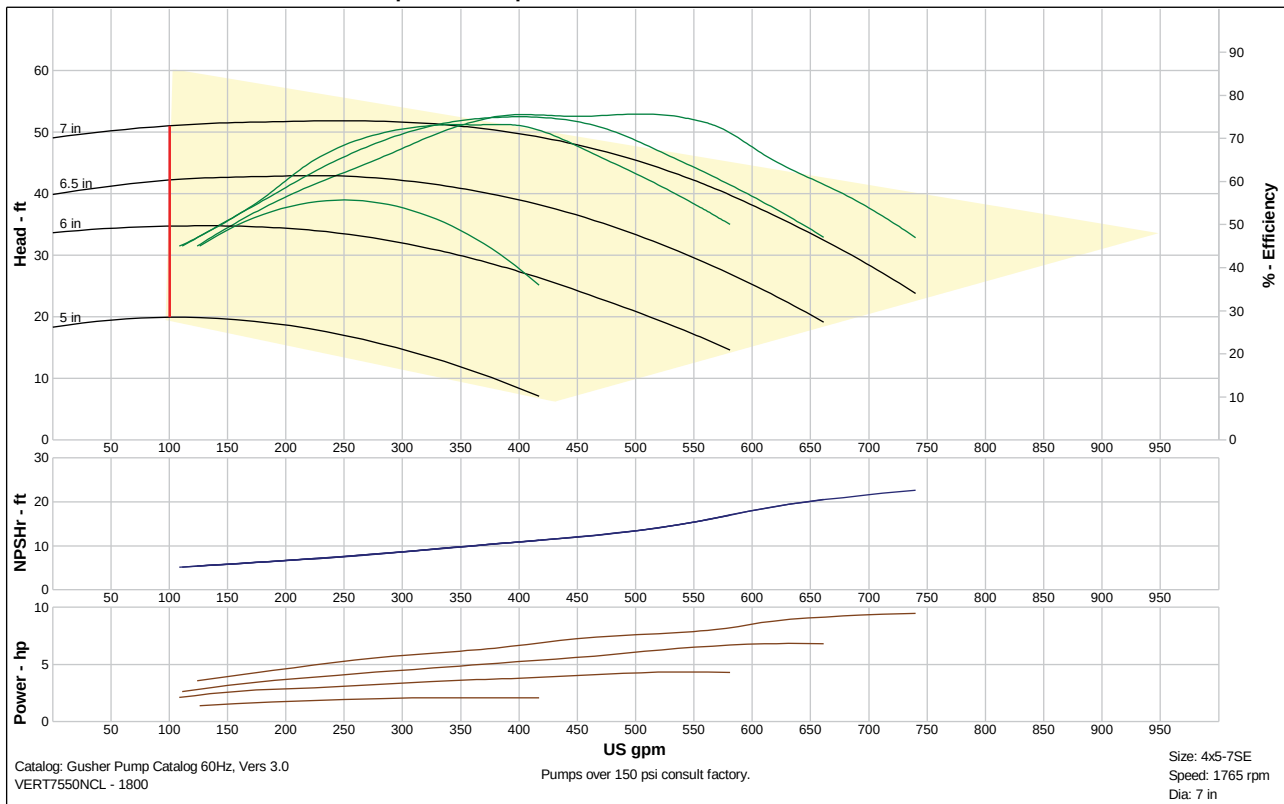
7550/7600/EC non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 3x4-7SE Speed: 1765 rpm



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



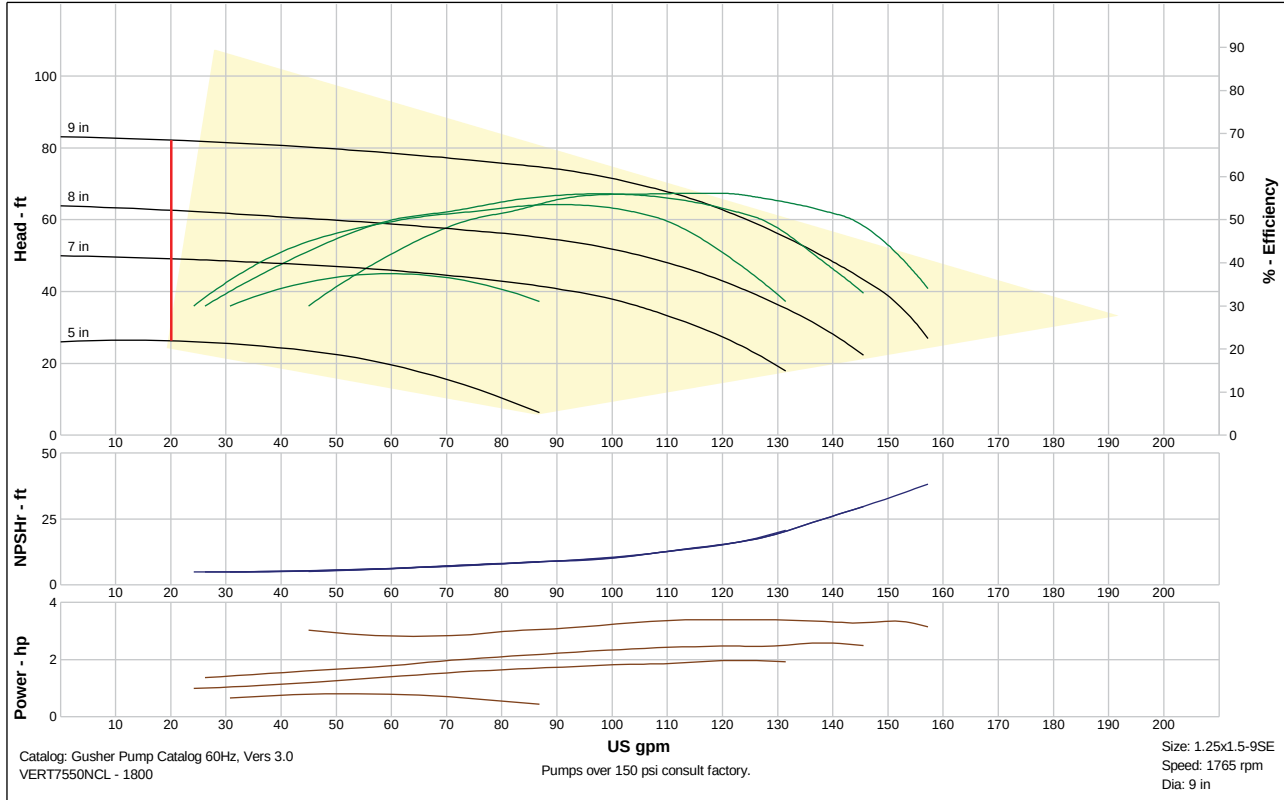


Vertical Heavy Duty Pumps

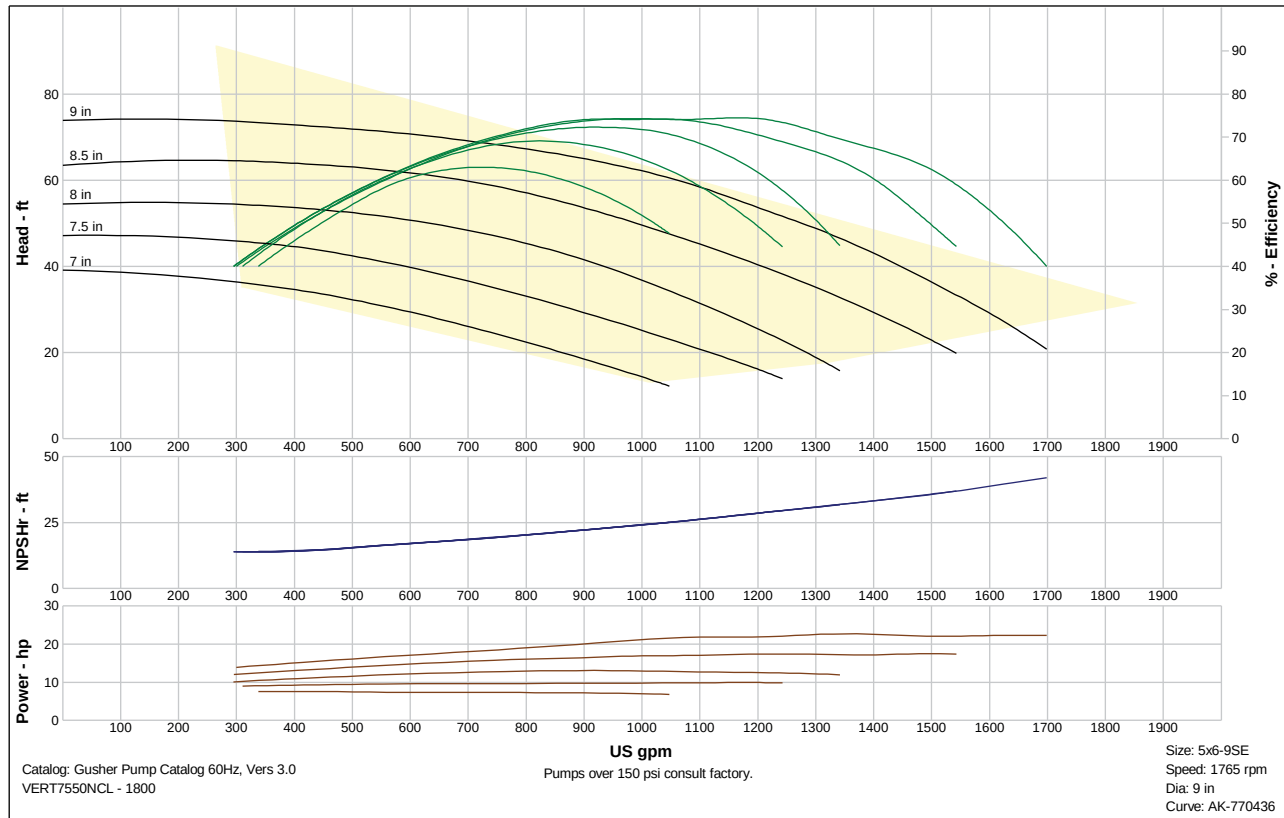
7550/7600/EC non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 1.25x1.5-9SE Speed: 1765 rpm



VERT7550NCL - 1800 Size: 5x6-9SE Speed: 1765 rpm



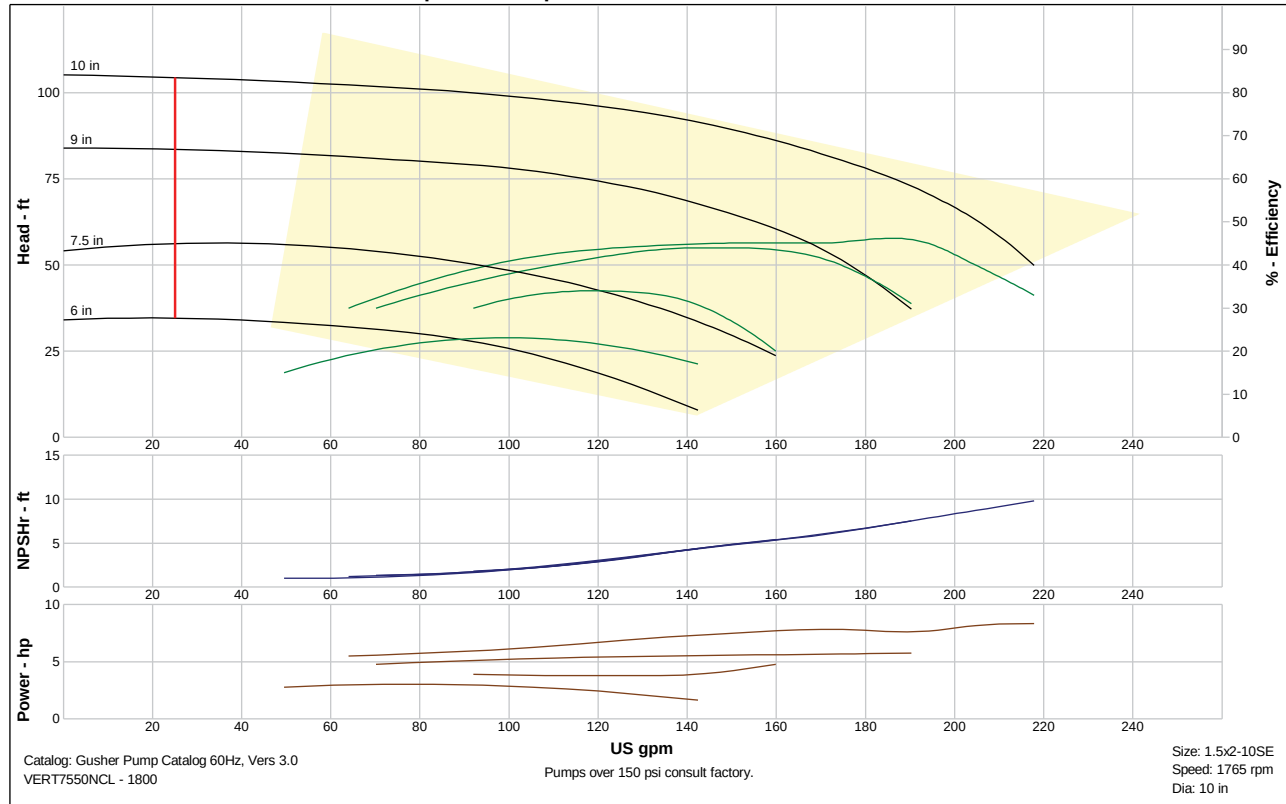


Vertical Heavy Duty Pumps

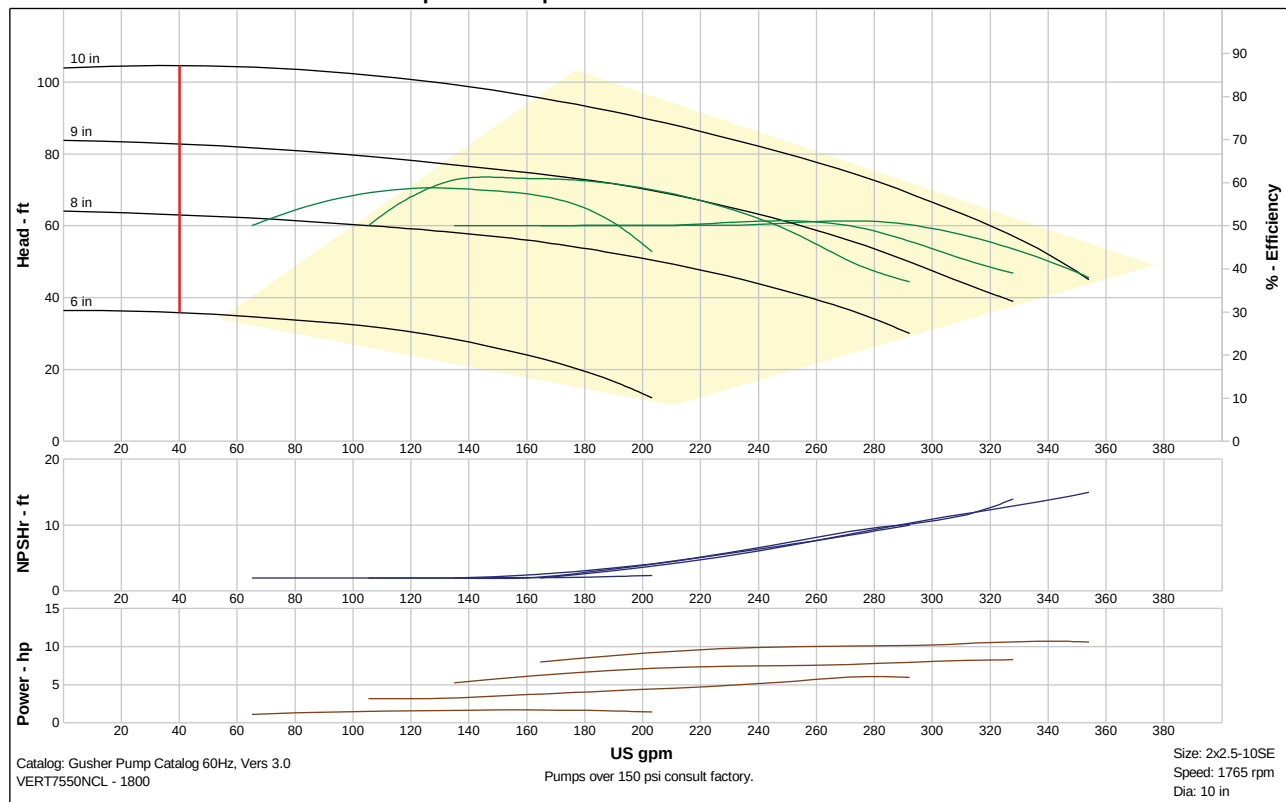
7550/7600/EC non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 1.5x2-10SE Speed: 1765 rpm



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



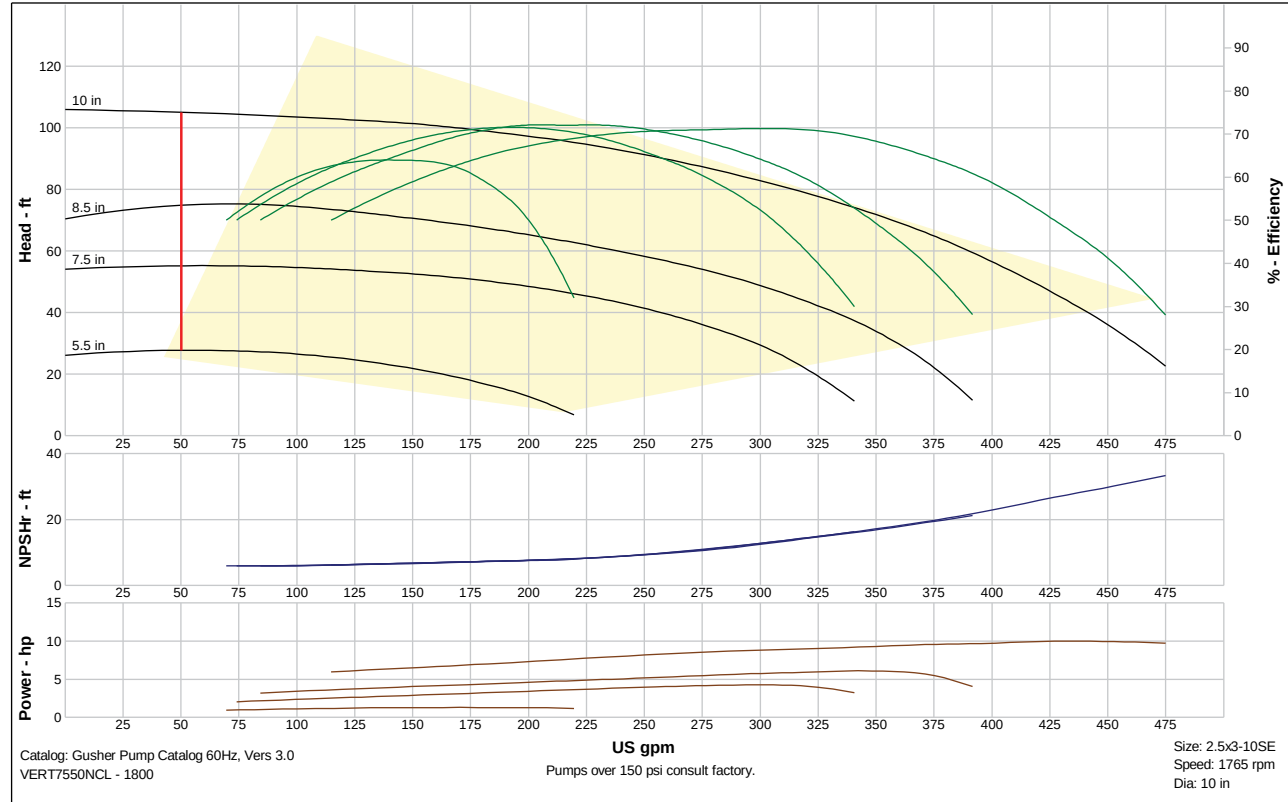


Vertical Heavy Duty Pumps

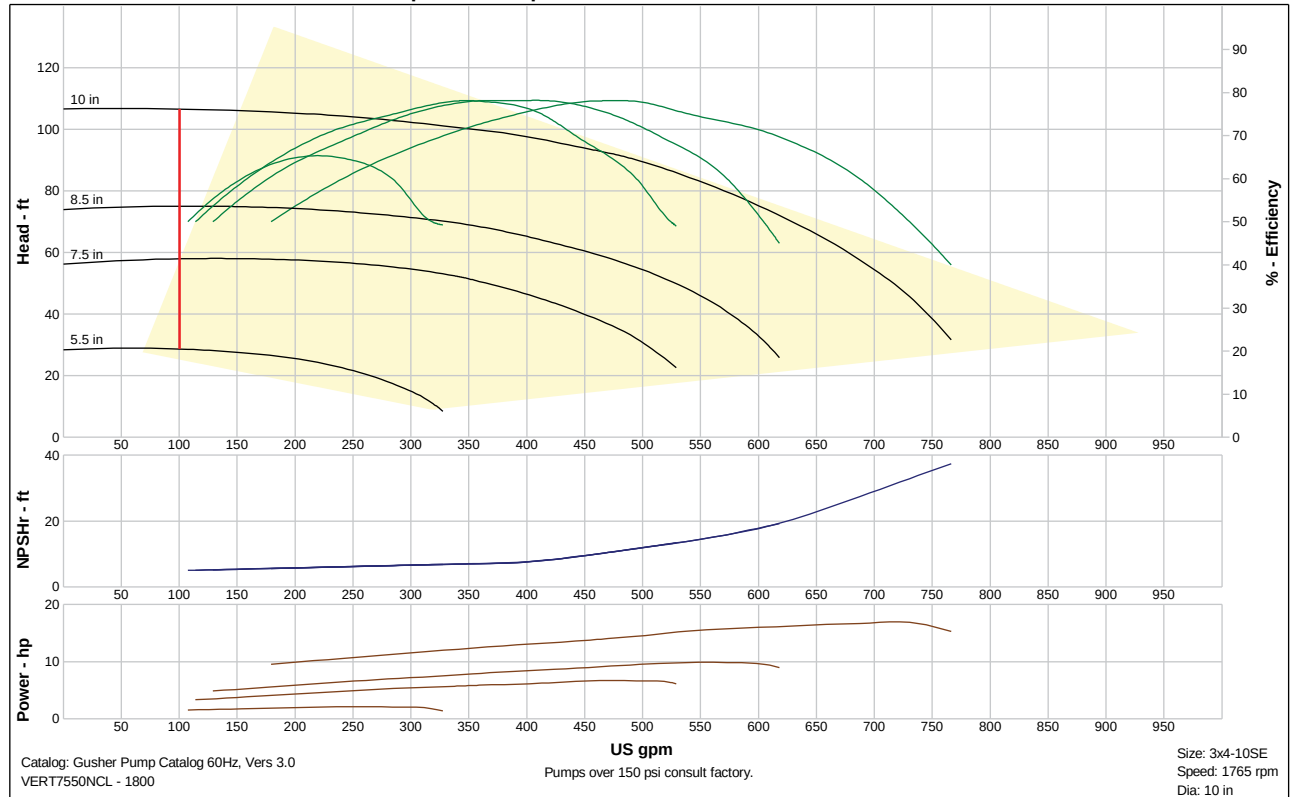
7550/7600/EC non-centerline

Pump Selection Curves

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



VERT7550NCL - 1800 Size: 3x4-10SE Speed: 1765 rpm



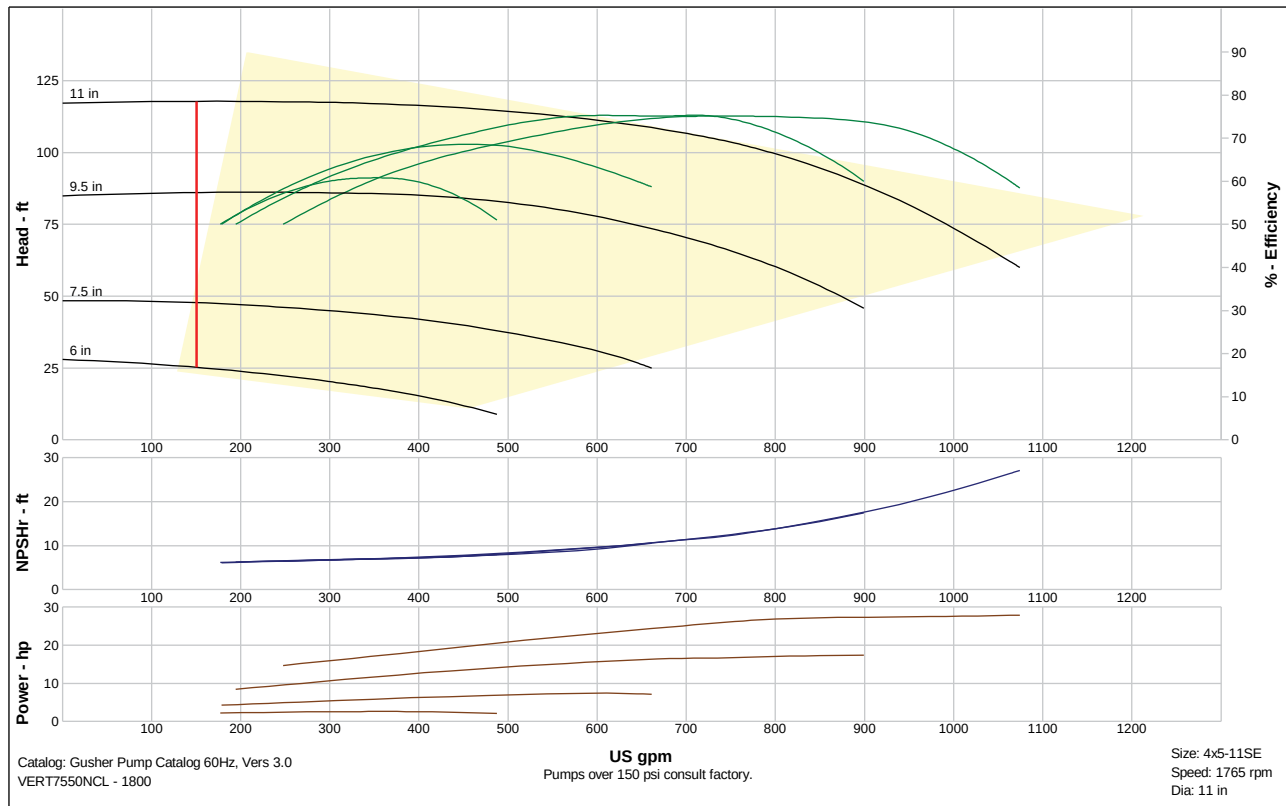


Vertical Heavy Duty Pumps

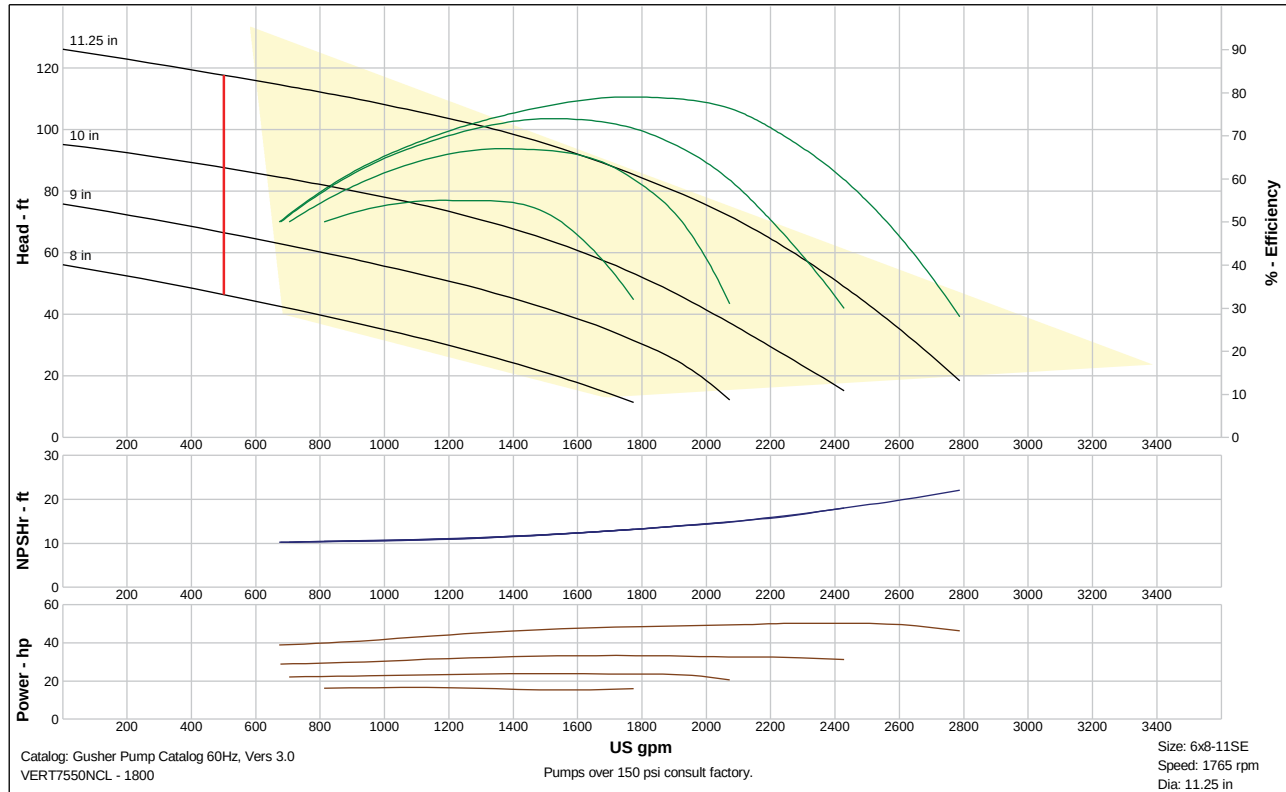
7550/7600/EC non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 4x5-11SE Speed: 1765 rpm



VERT7550NCL - 1800 Size: 6x8-11SE Speed: 1765 rpm



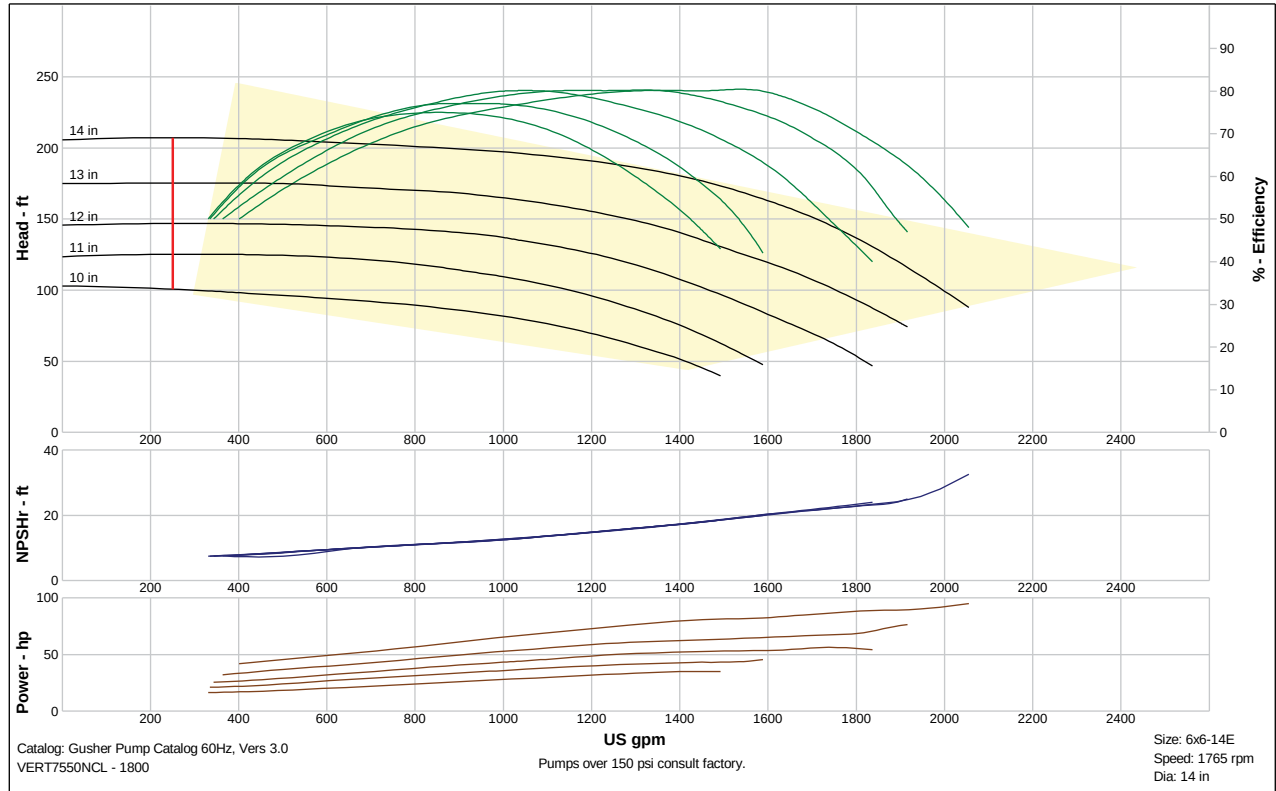


Vertical Heavy Duty Pumps

7550/7600/EC
non-centerline

Pump Selection Curves

VERT7550NCL - 1800 Size: 6x6-14E Speed: 1765 rpm



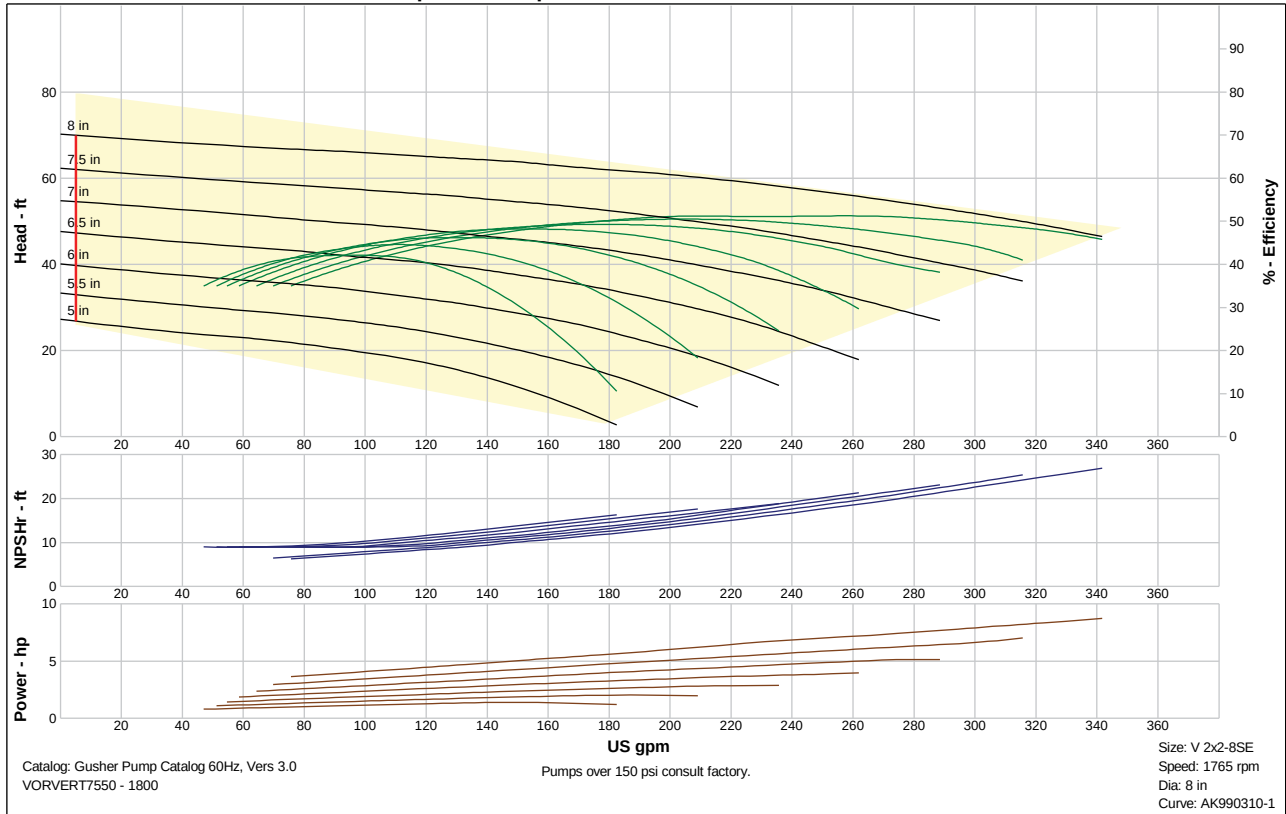


Vertical Heavy Duty Pumps

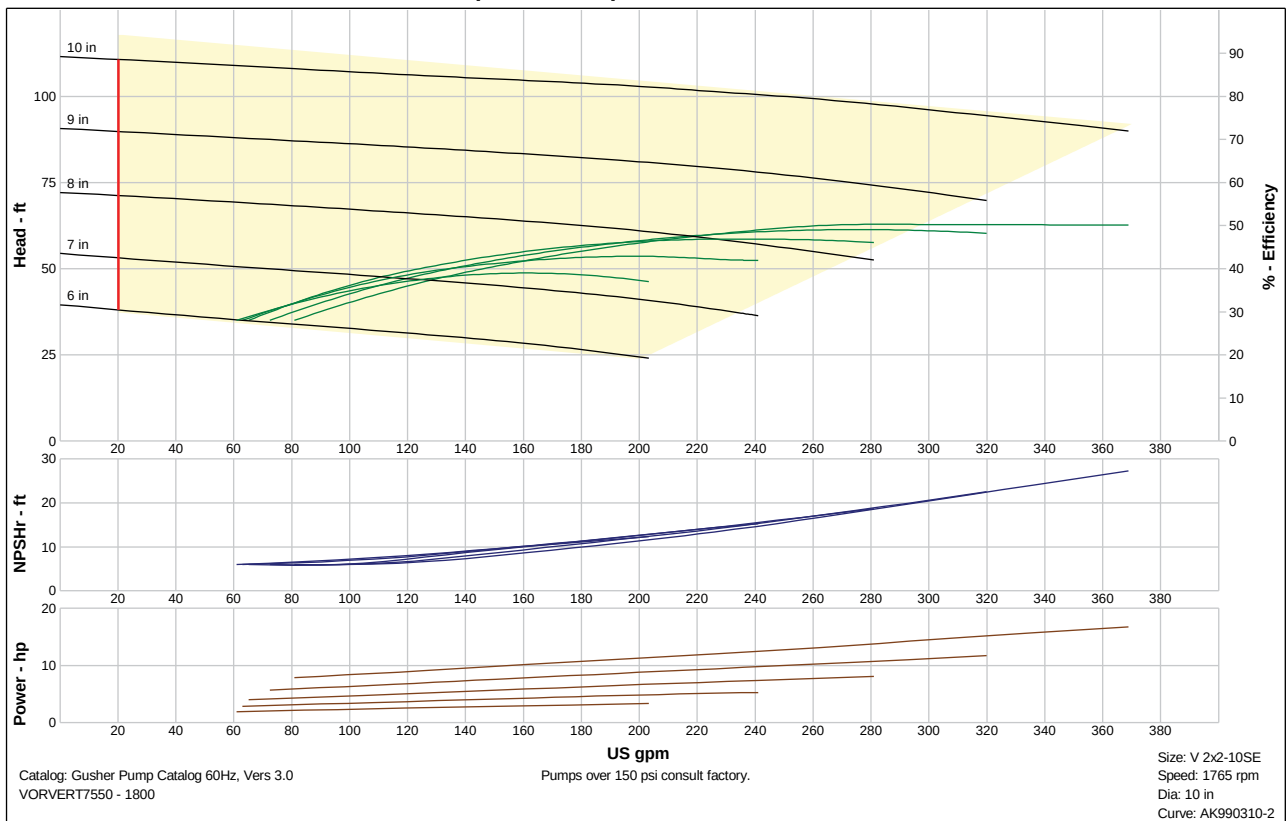
Vortex series

Pump Selection Curves

VORVERT 7550 - 1800 Size: V 2x2-8SE Speed: 1765 rpm

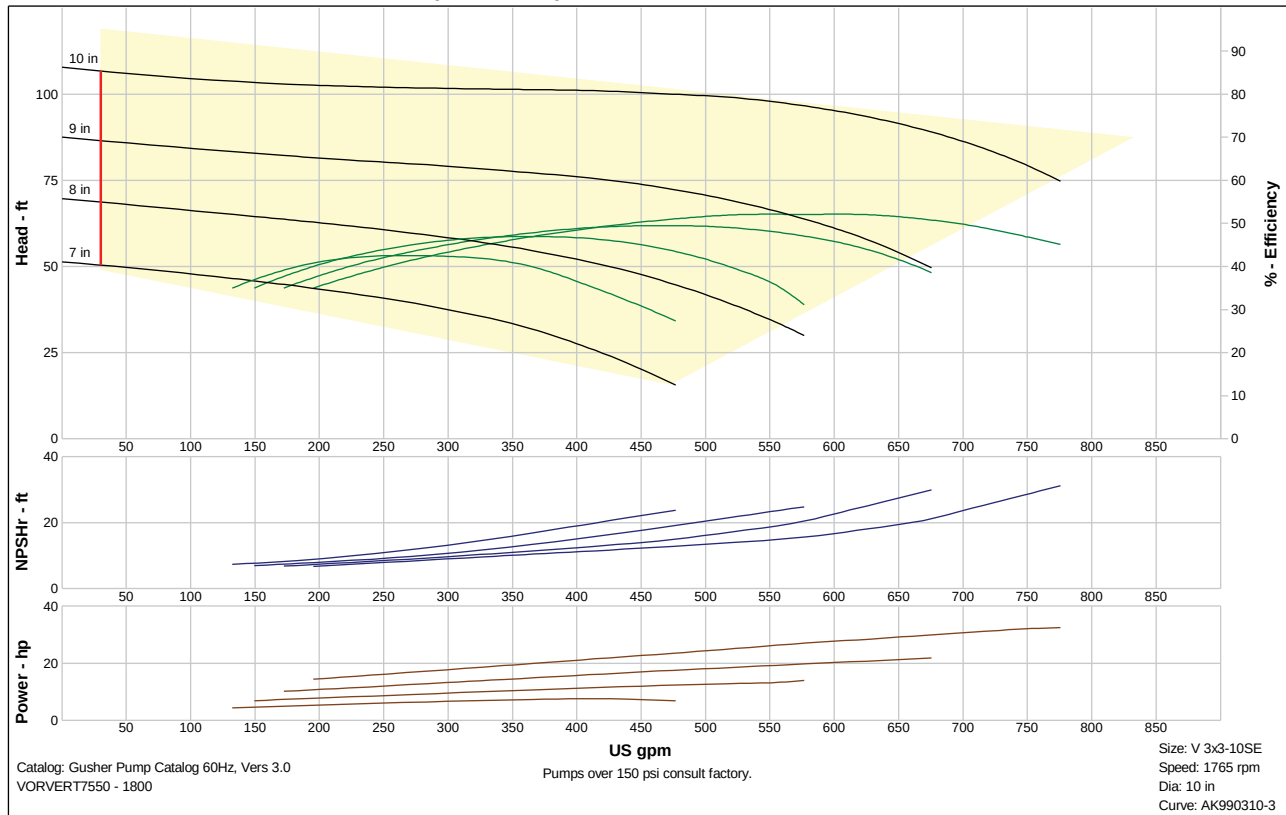


VORVERT 7550 - 1800 Size: V 2x2-10SE Speed: 1765 rpm

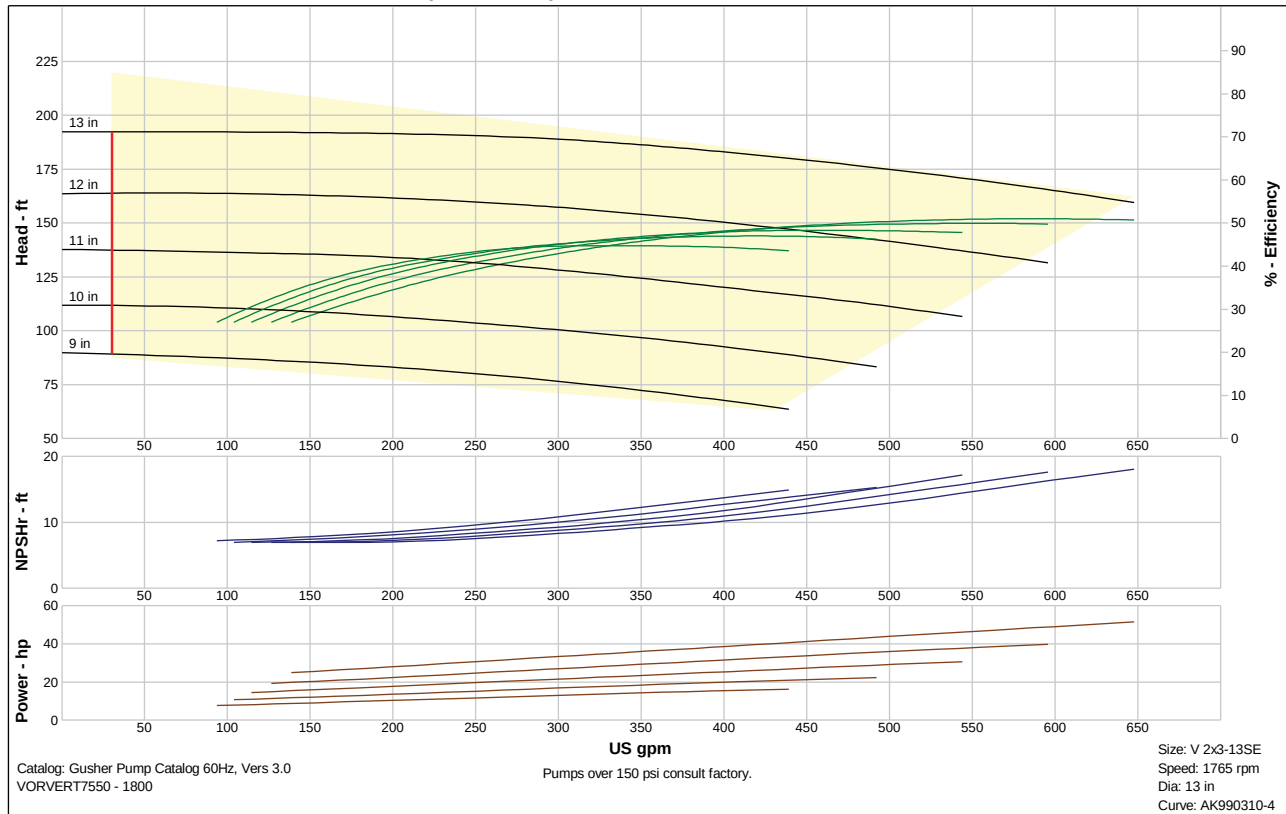




VORVERT 7550 - 1800 Size: V 3x3-10SE Speed: 1765 rpm



VORVERT 7550 - 1800 Size: V 2x3-13SE Speed: 1765 rpm



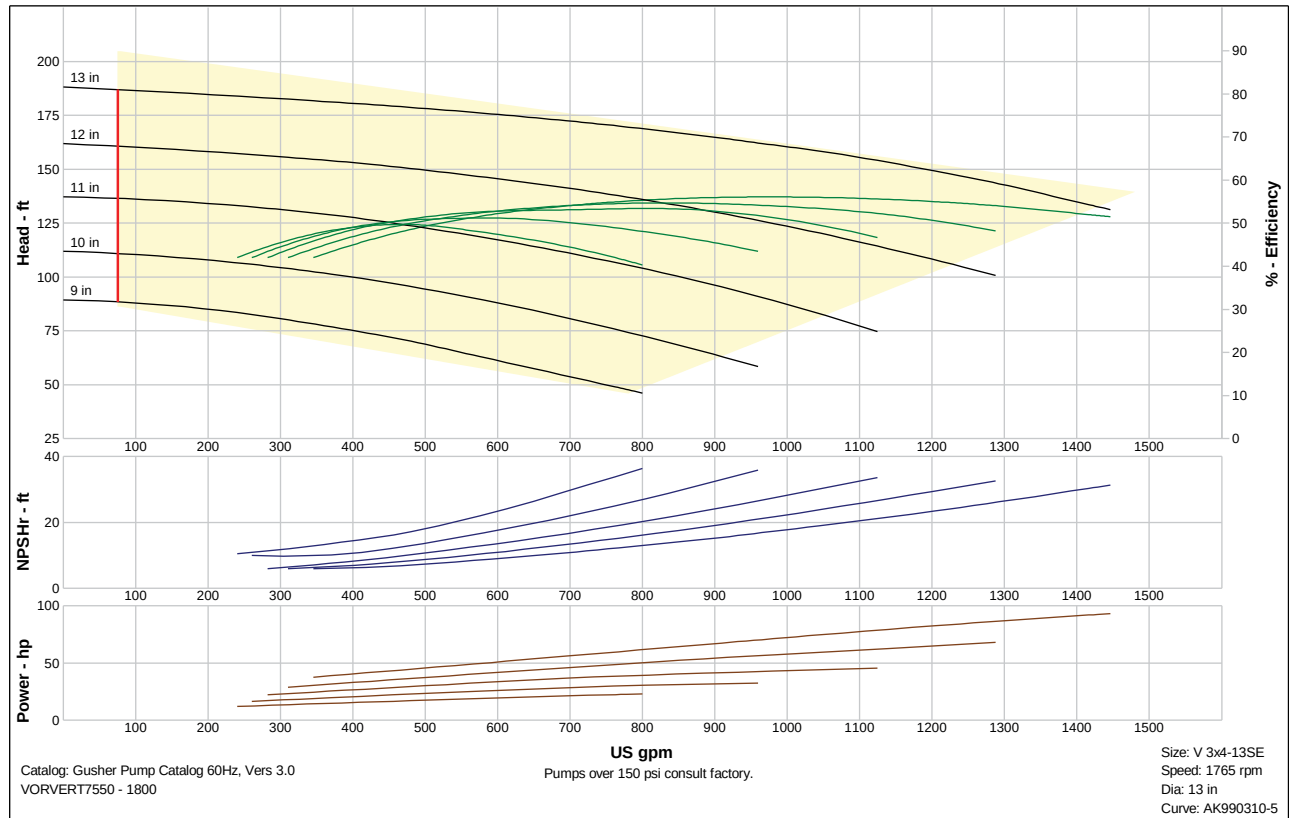


Vertical Heavy Duty Pumps

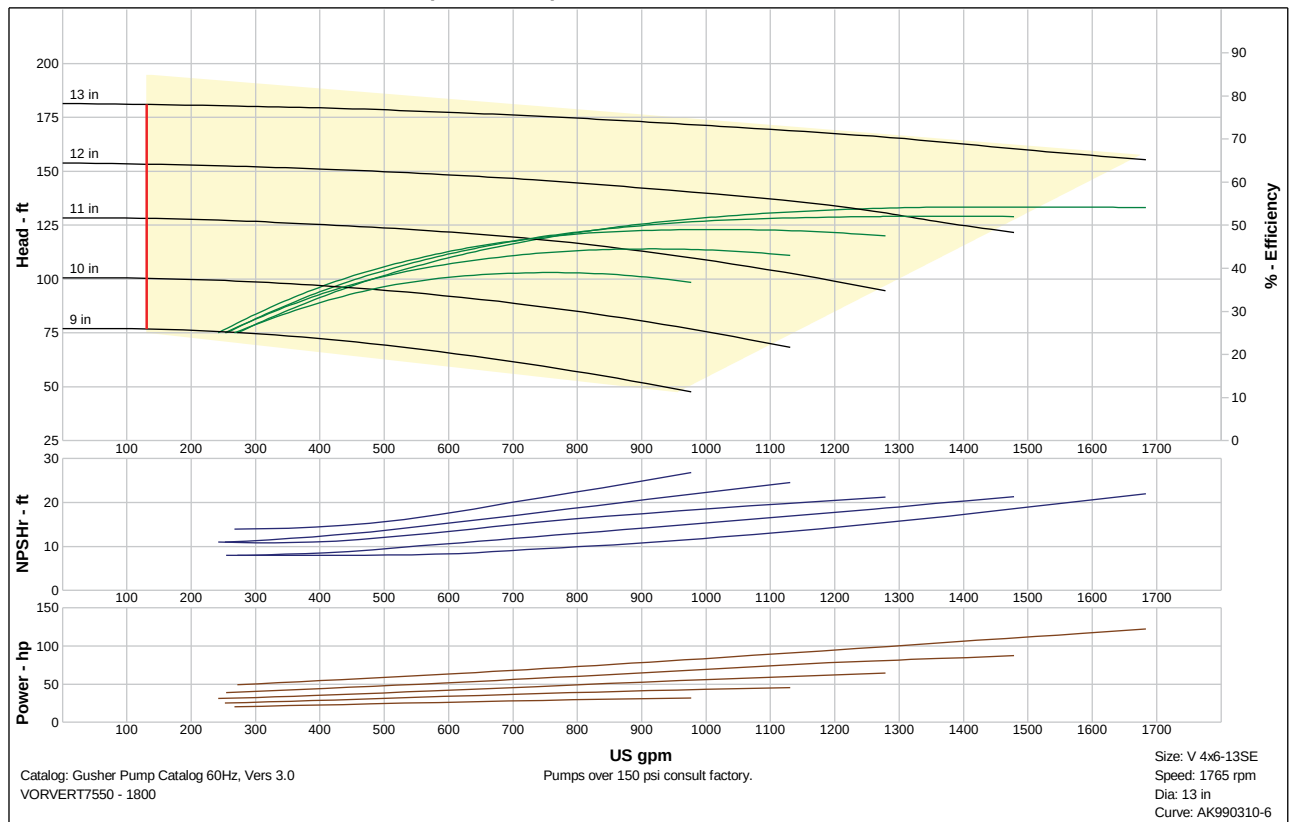
Vortex series

Pump Selection Curves

VORVERT 7550 - 1800 Size: V 3x4-13SE Speed: 1765 rpm



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



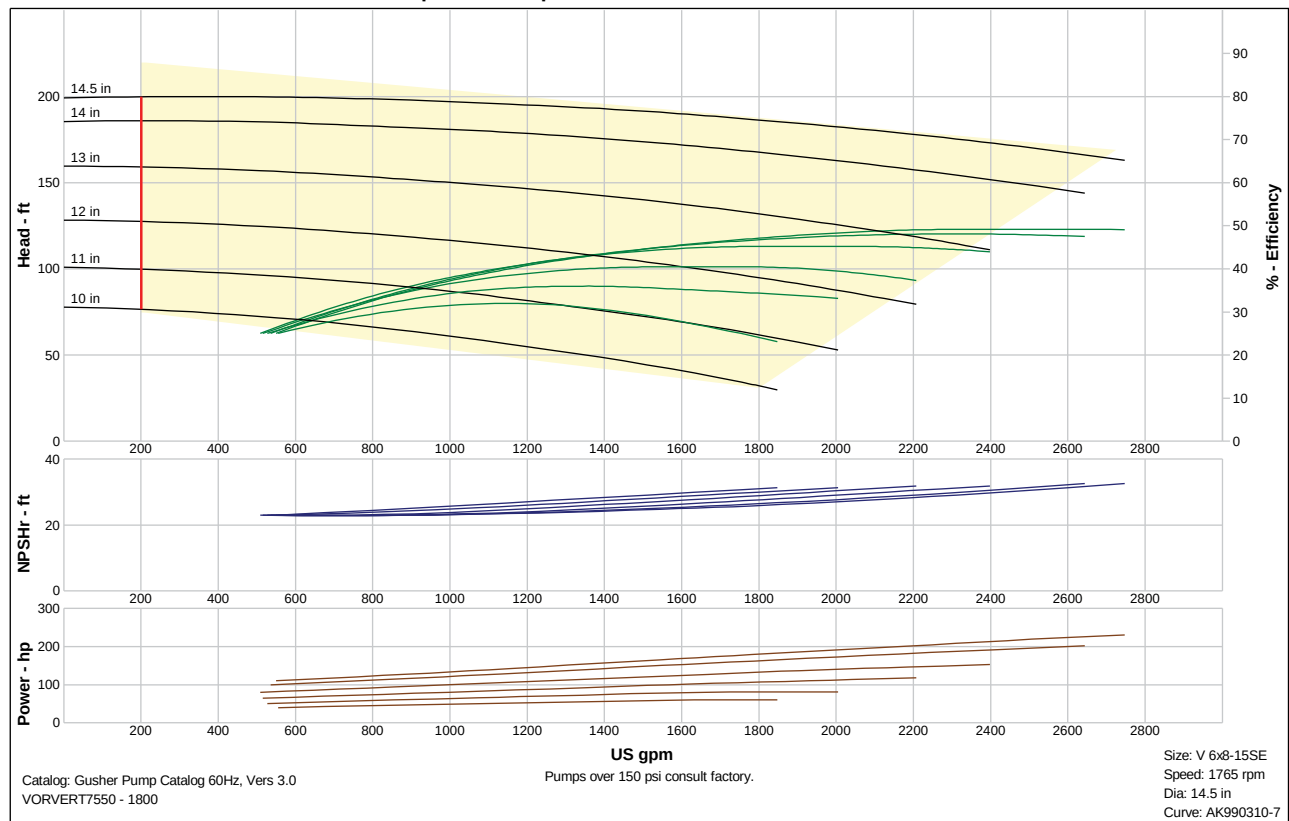


Vertical Heavy Duty Pumps

Vortex series

Pump Selection Curves

VORVERT 7550 - 1800 Size: V 6x8-15SE Speed: 1765 rpm



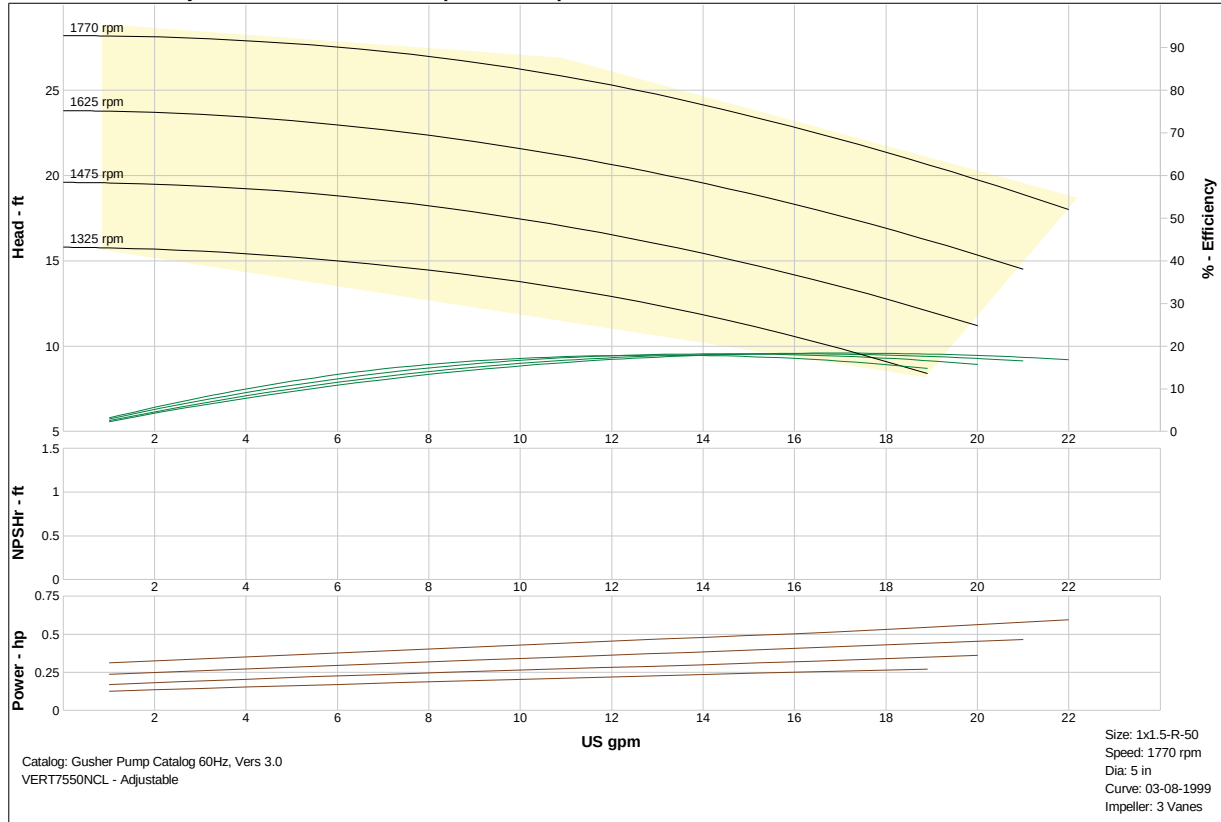


Vertical Heavy Duty Pumps

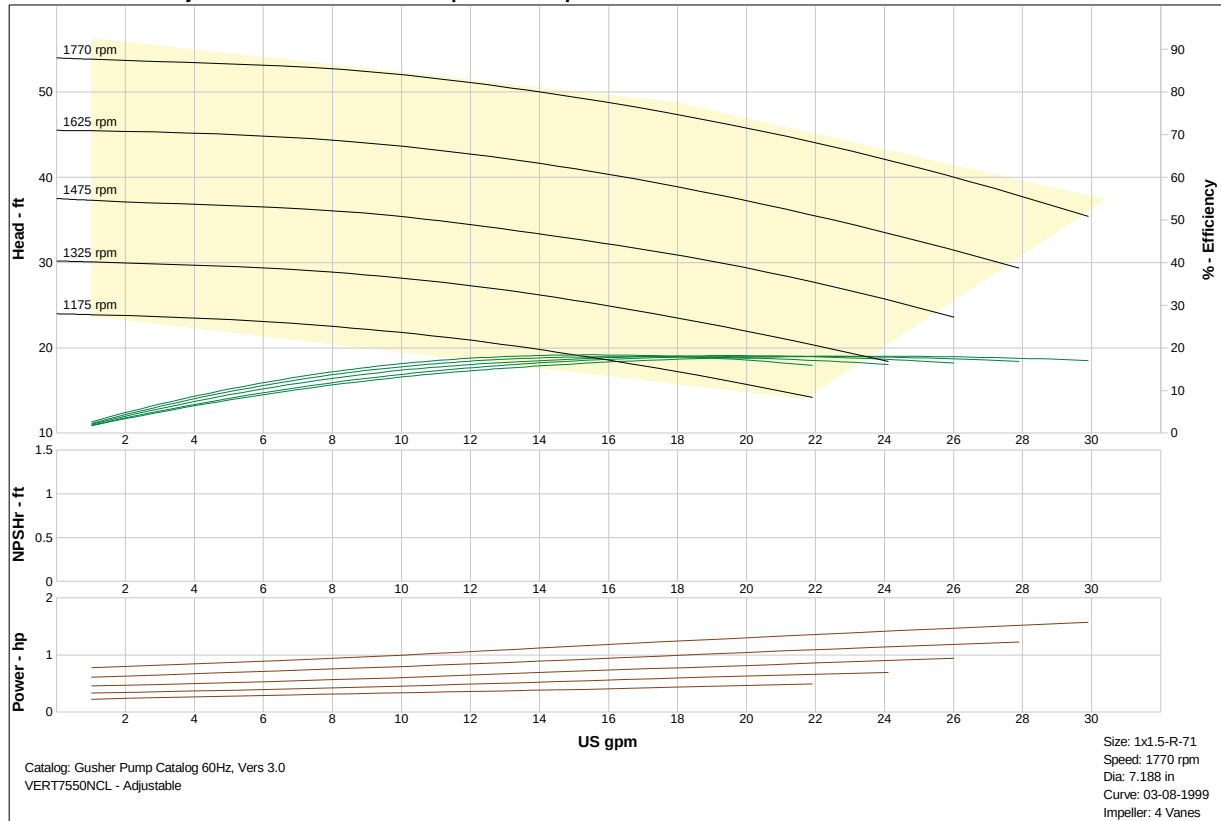
Slurry Cantilever

Pump Selection Curves

VERT 7550NCL - Adjustable Size: 1x1.5-R-50 Speed: 1770 rpm



VERT 7550NCL - Adjustable Size: 1x1.5-R-71 Speed: 1770 rpm



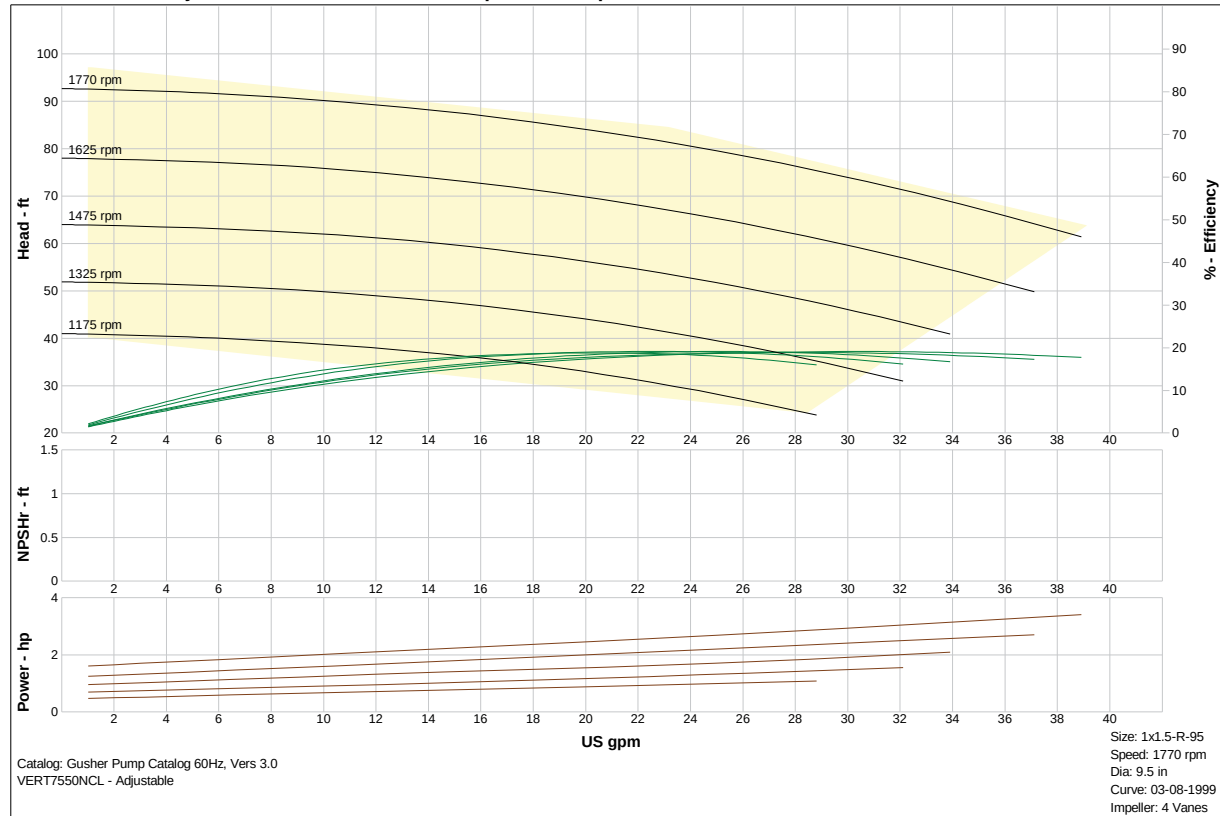


Vertical Heavy Duty Pumps

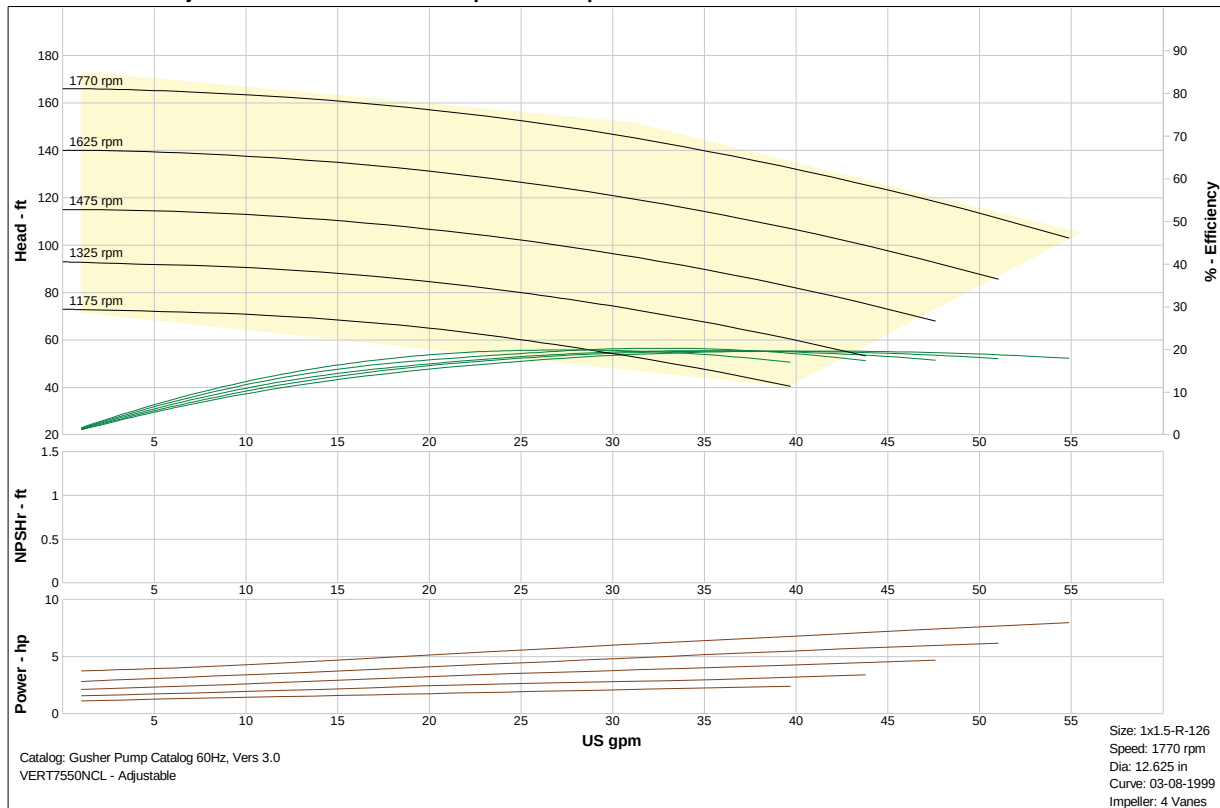
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 1x1.5-R-95 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 1x1.5-R-126 Speed: 1770 rpm



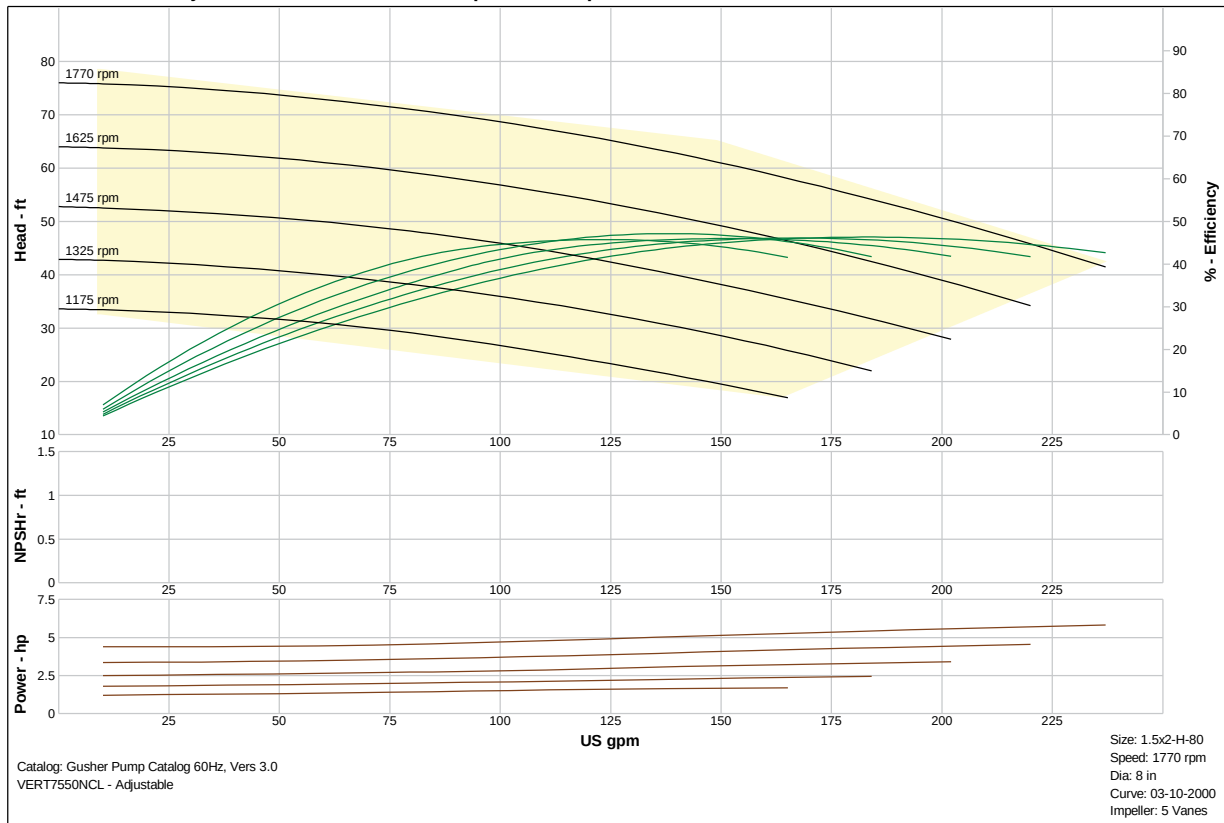


Vertical Heavy Duty Pumps

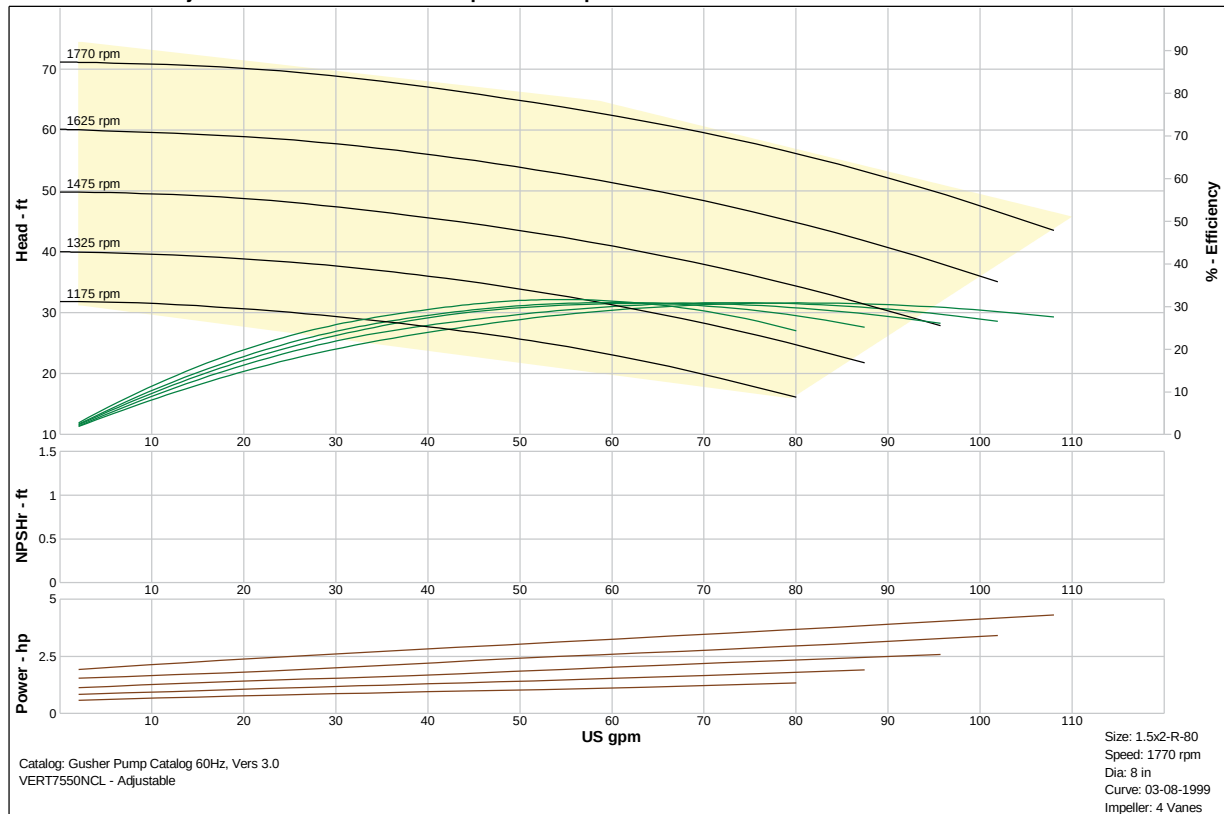
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 1.5x2-H-80 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 1.5x2-R-80 Speed: 1770 rpm



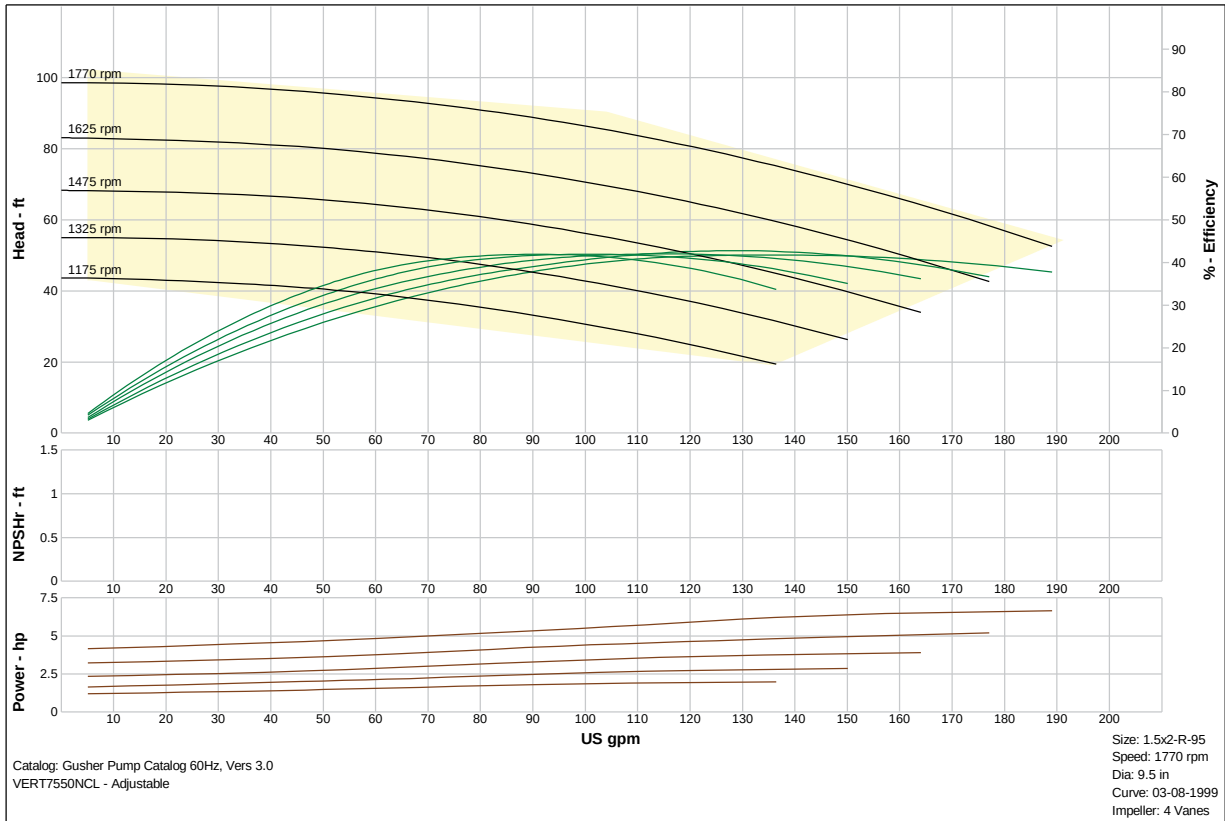


Vertical Heavy Duty Pumps

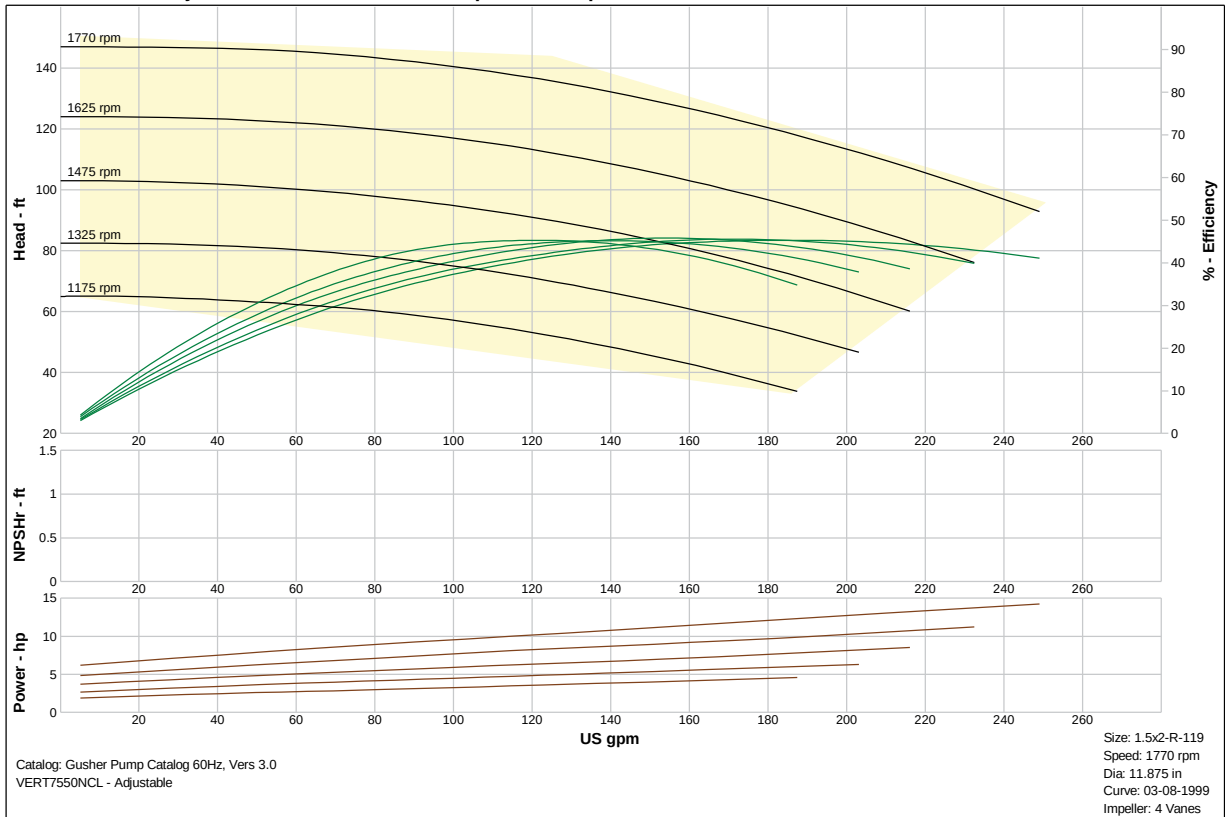
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 1.5x2-R-95 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 1.5x2-R-119 Speed: 1770 rpm



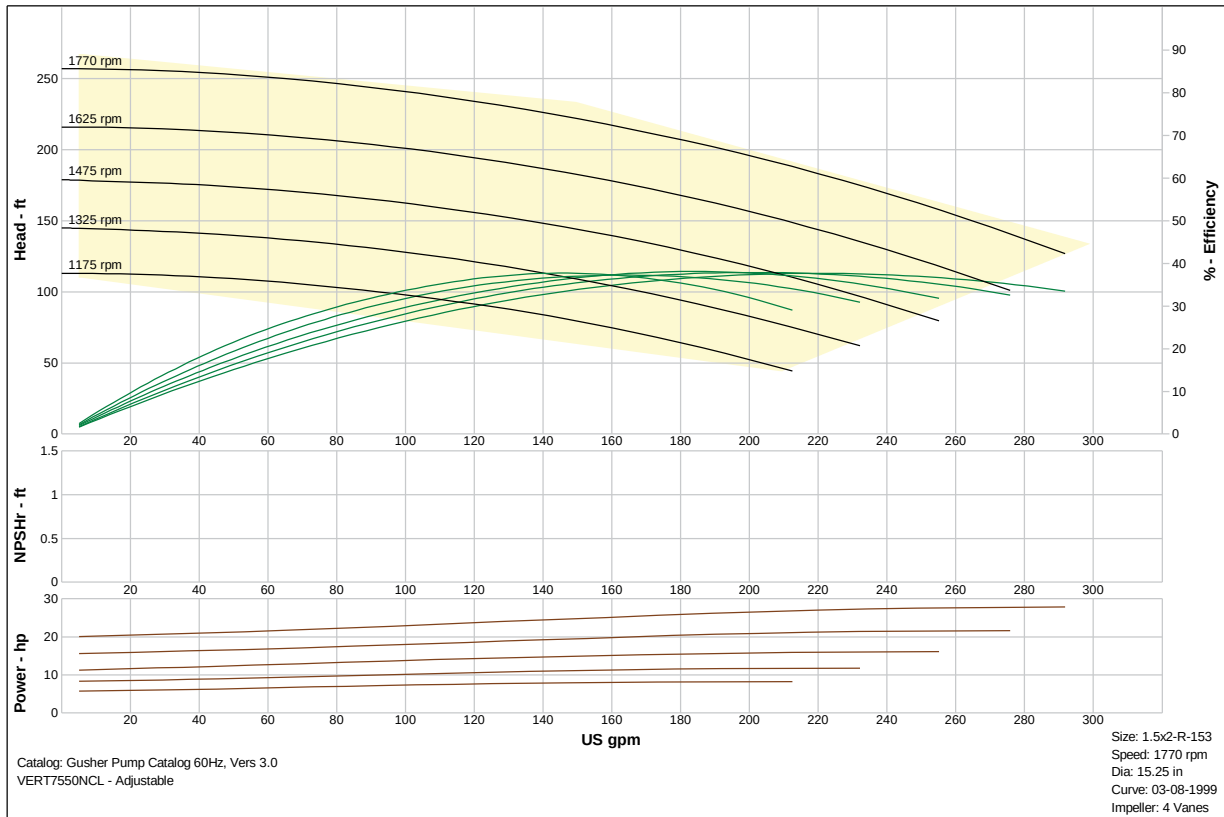


Vertical Heavy Duty Pumps

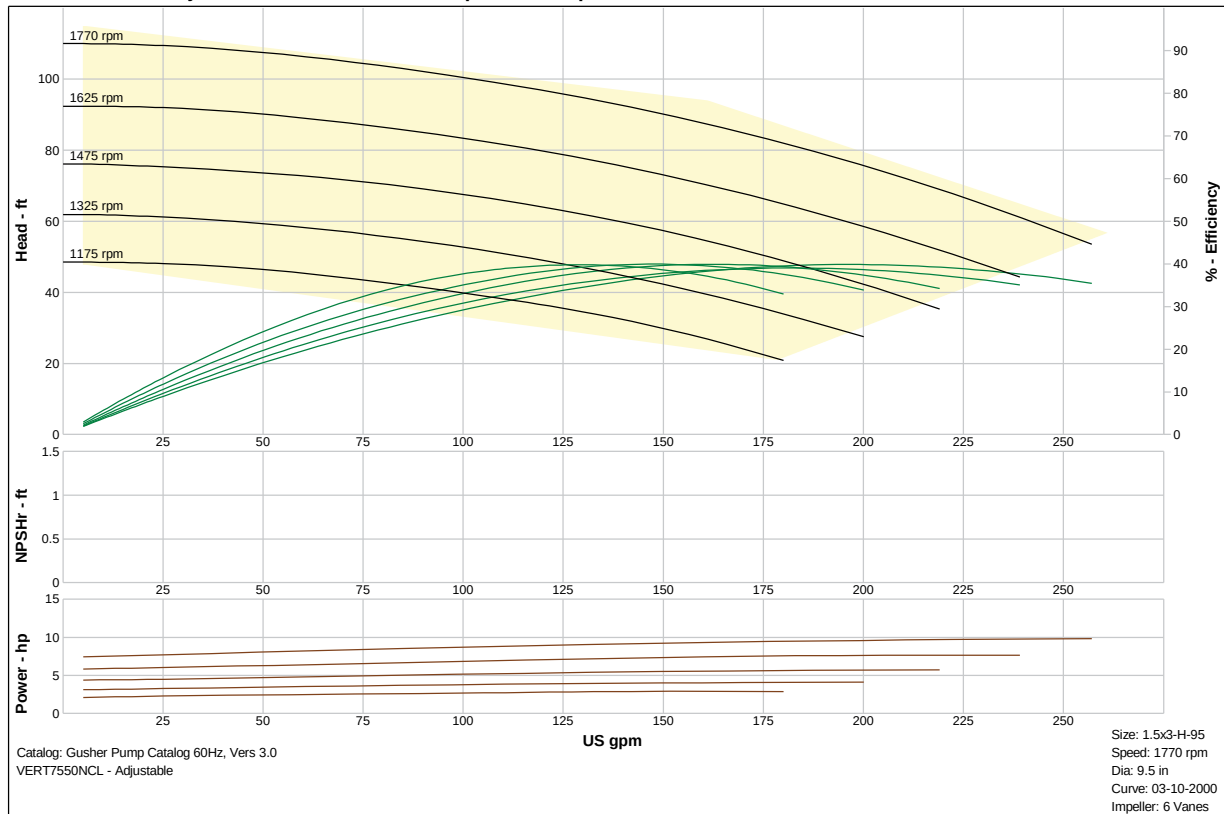
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 1.5x2-R-153 Speed: 1770 rpm



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



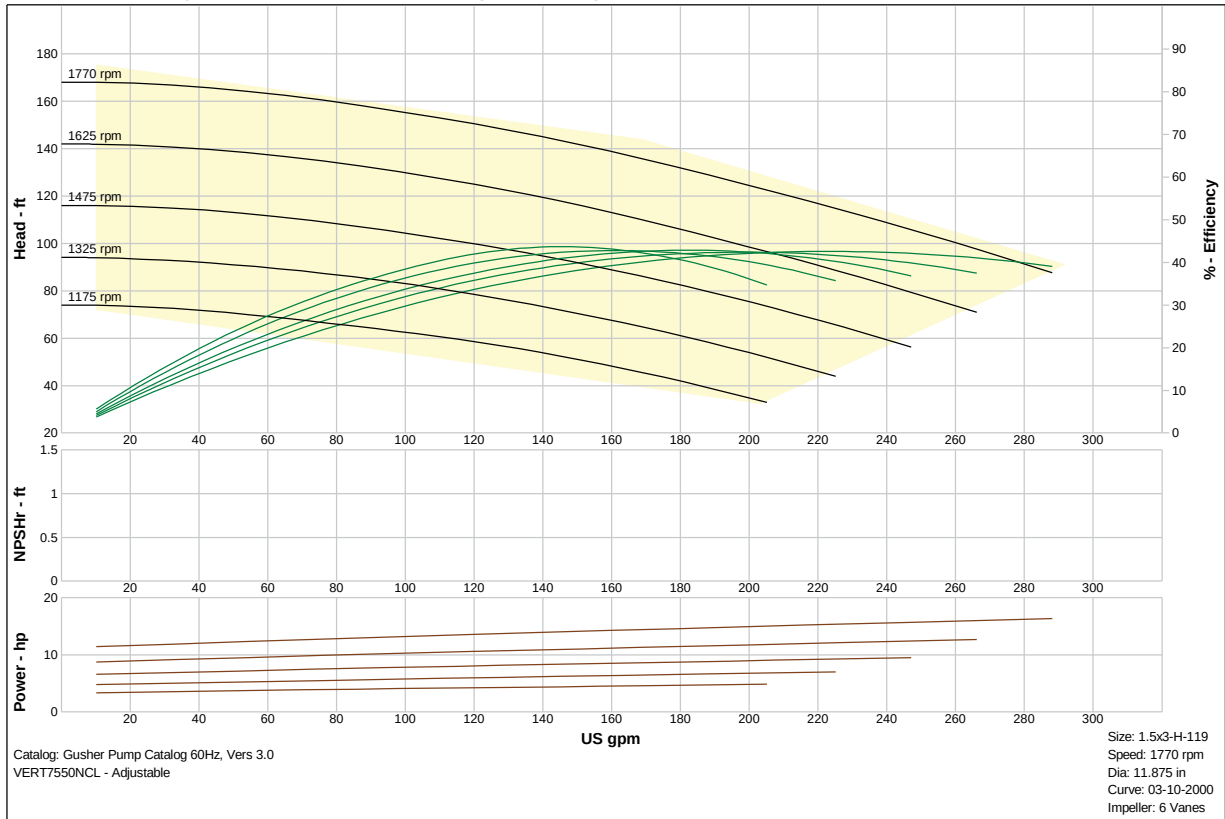


Vertical Heavy Duty Pumps

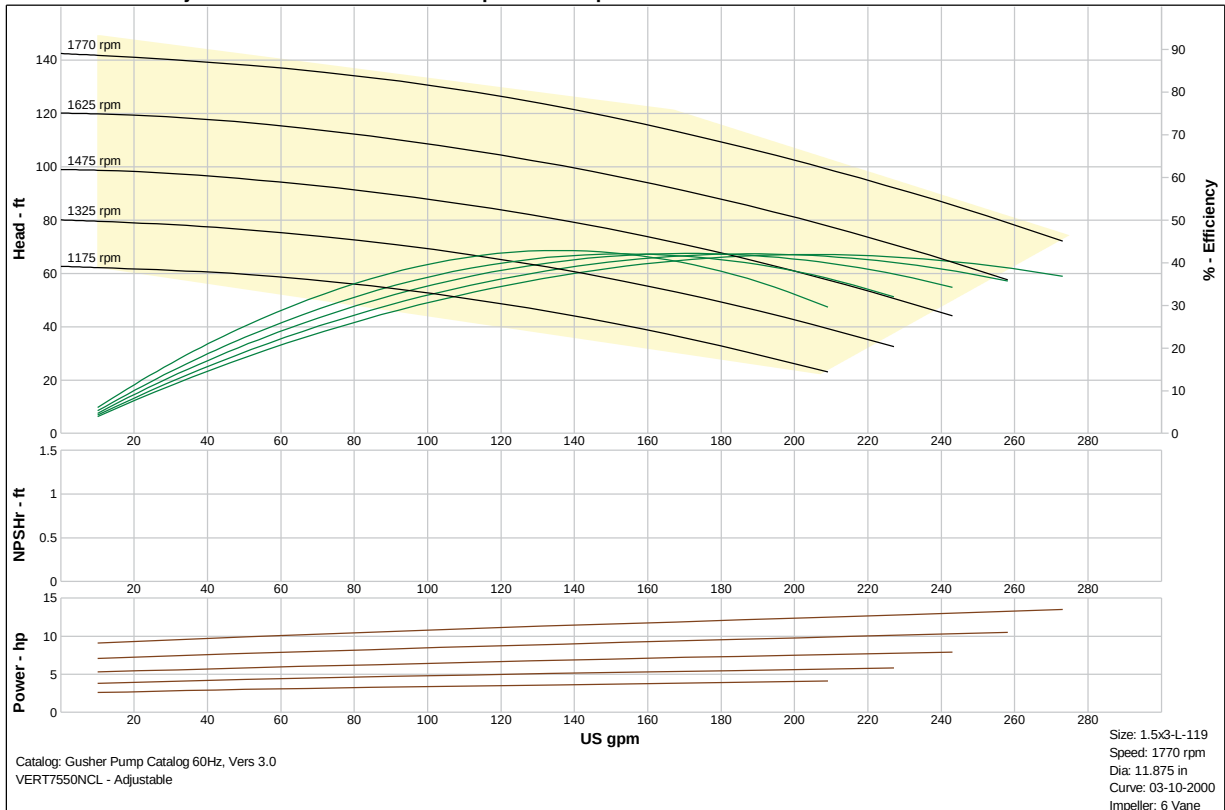
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 1.5x3-H-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 1.5x3-L-119 Speed: 1770 rpm



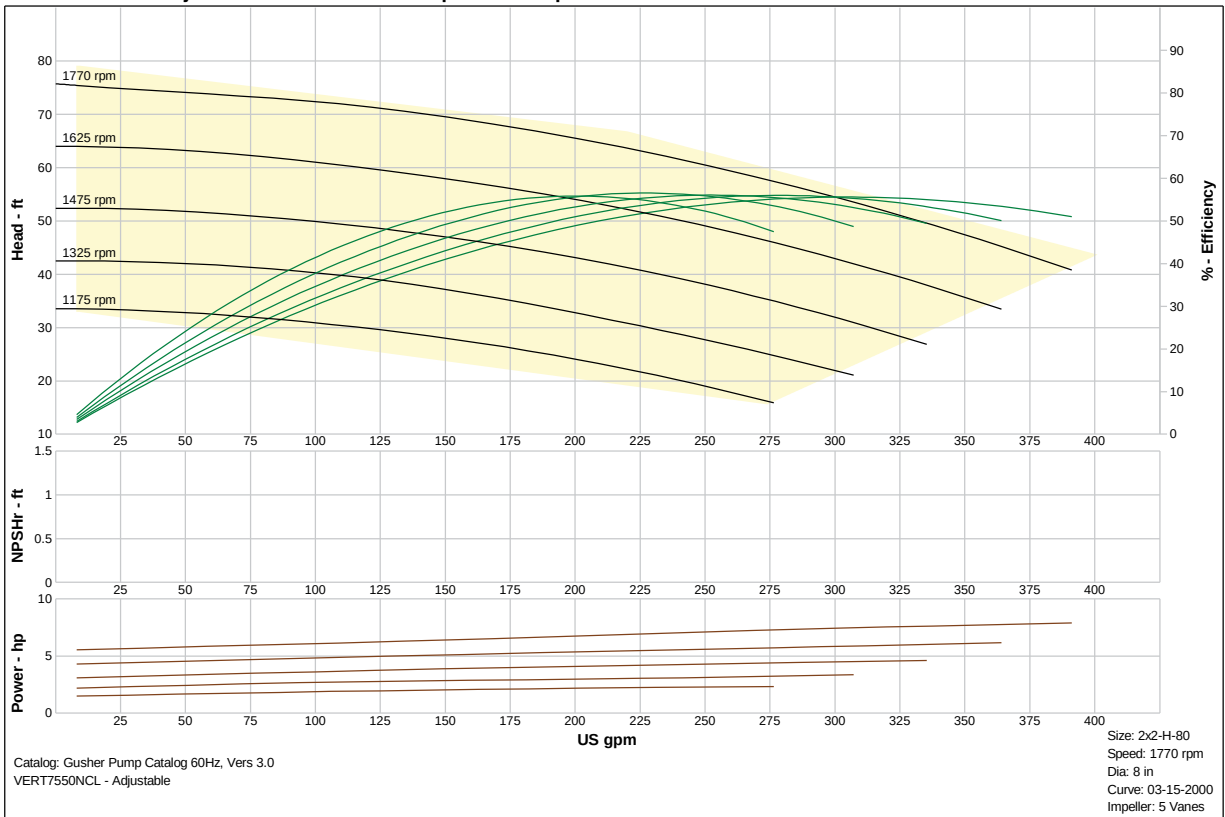


Vertical Heavy Duty Pumps

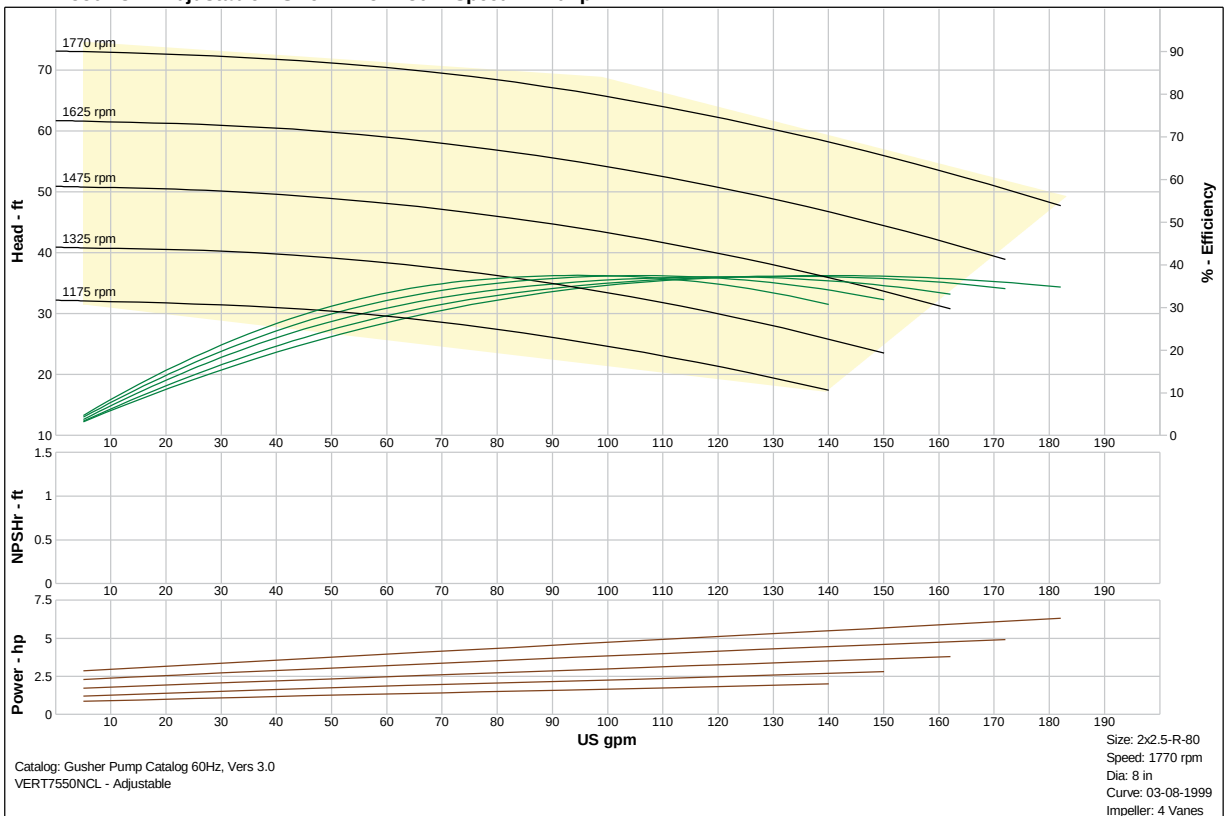
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 2x2-H-80 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 2x2.5-R-80 Speed: 1770 rpm



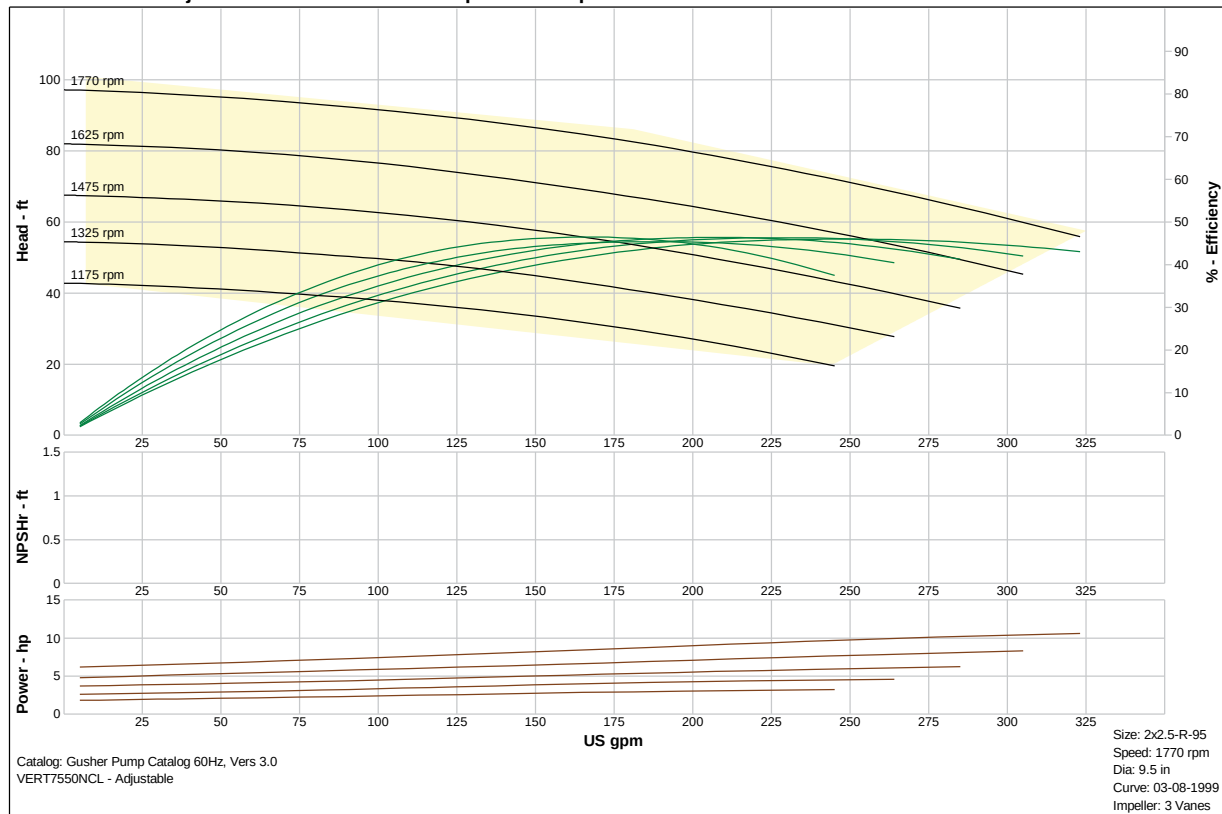


Vertical Heavy Duty Pumps

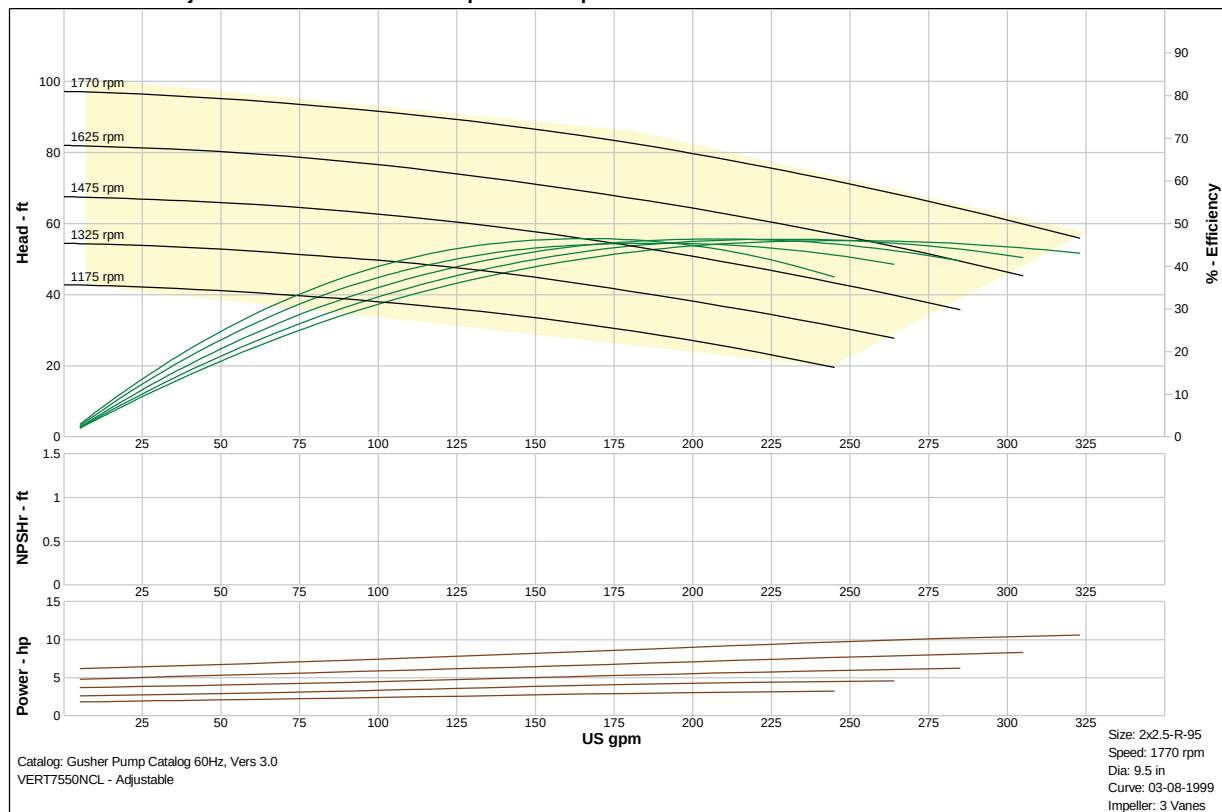
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 2x2.5-R-95 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 2x2.5-R-95 Speed: 1770 rpm



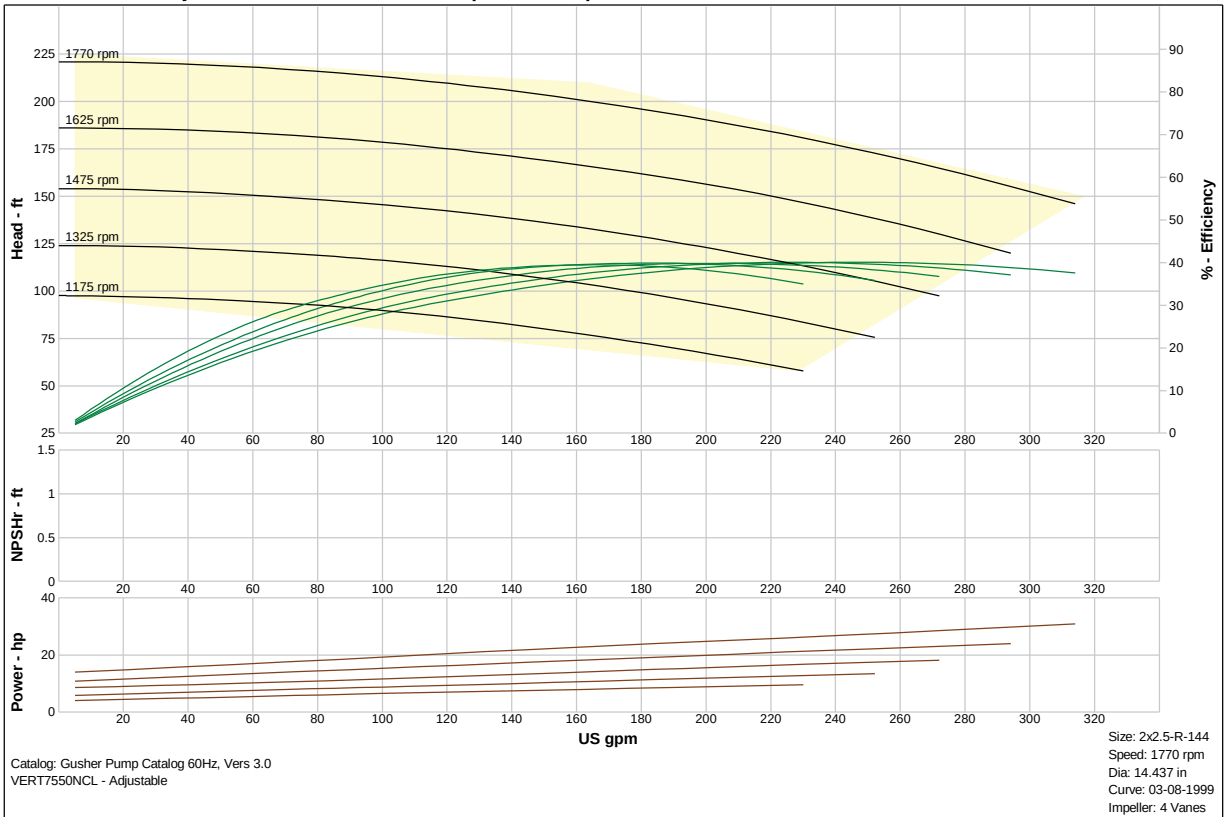


Vertical Heavy Duty Pumps

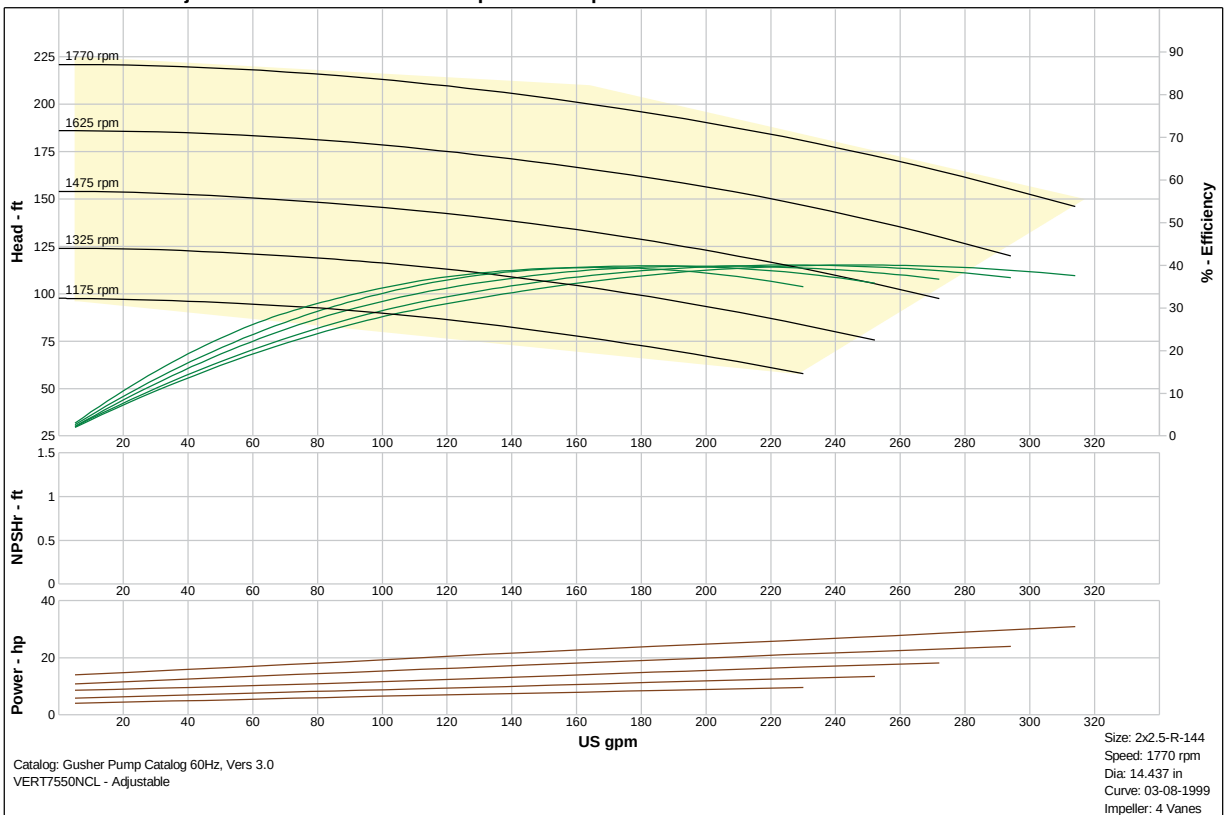
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 2x2.5-R-144 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 2x2.5-R-144 Speed: 1770 rpm



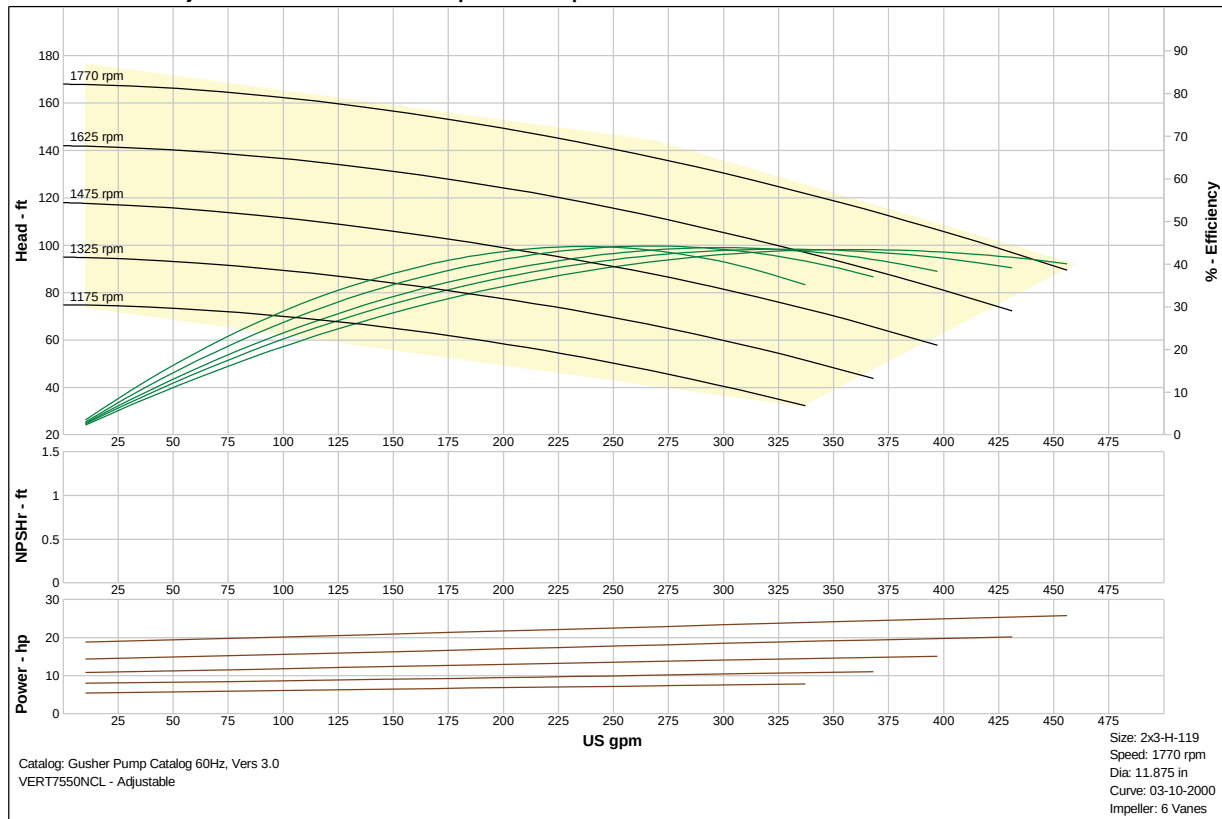


Vertical Heavy Duty Pumps

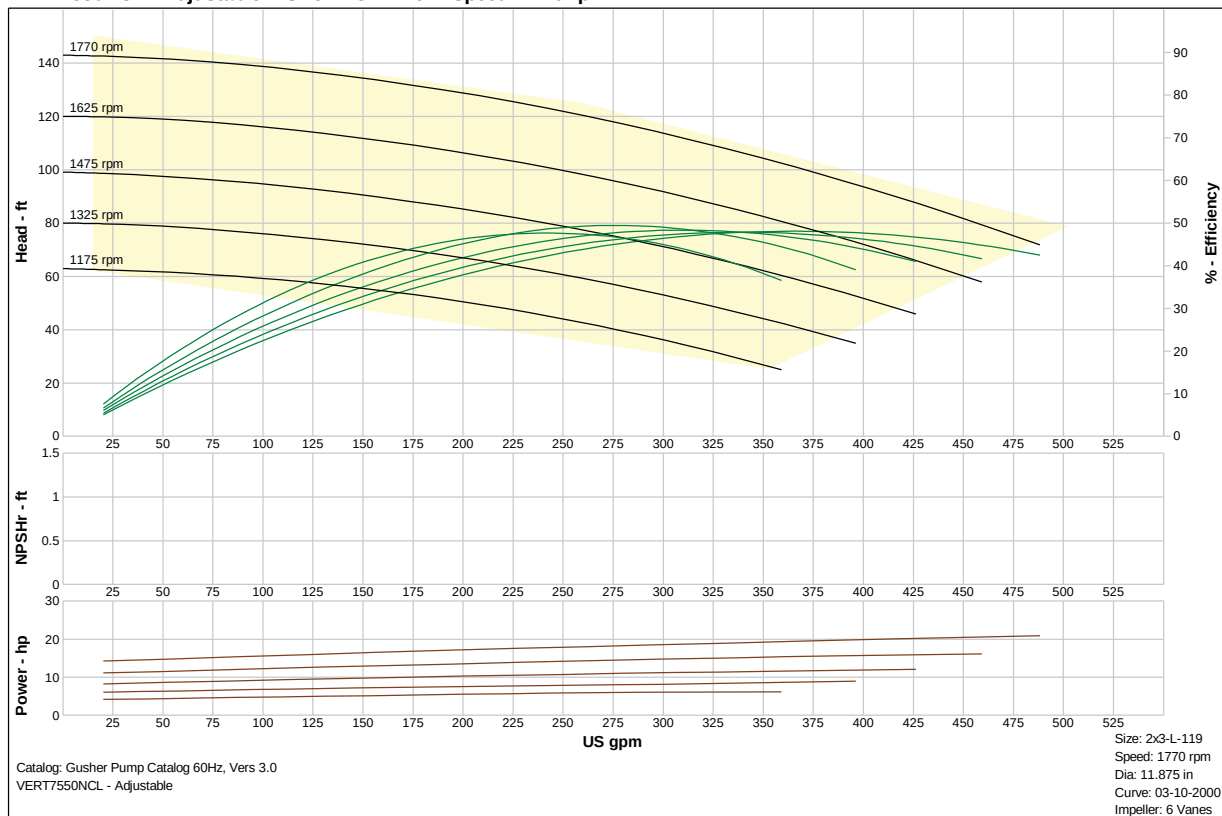
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 2x3-H-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 2x3-L-119 Speed: 1770 rpm



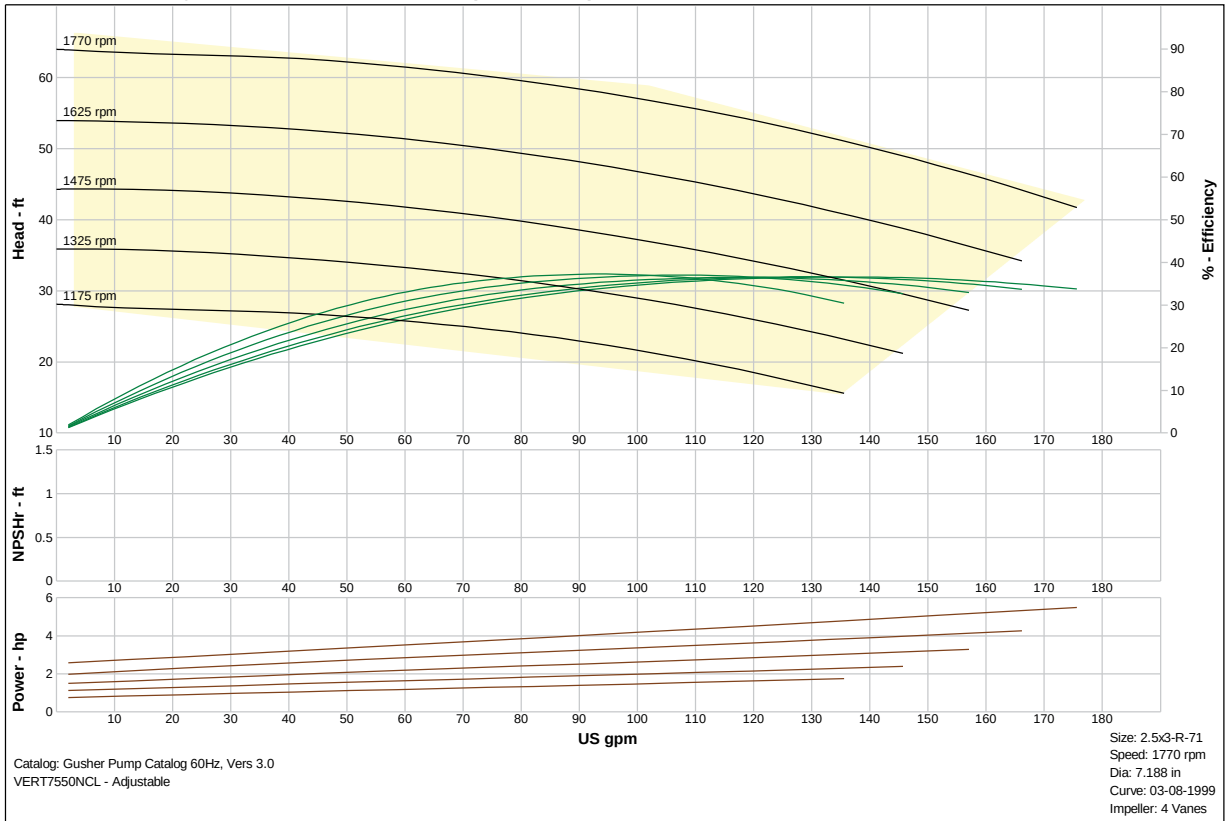


Vertical Heavy Duty Pumps

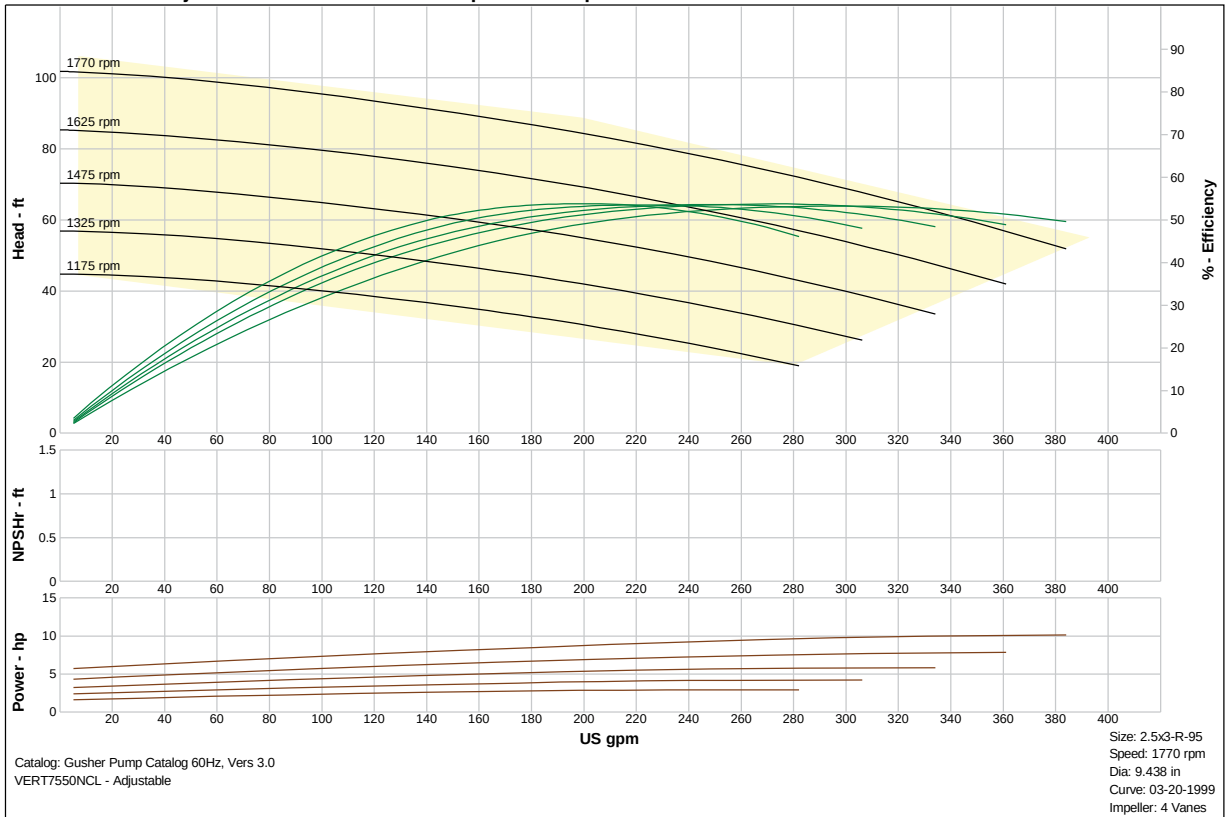
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 2.5x3-R-71 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 2.5x3-R-95 Speed: 1770 rpm



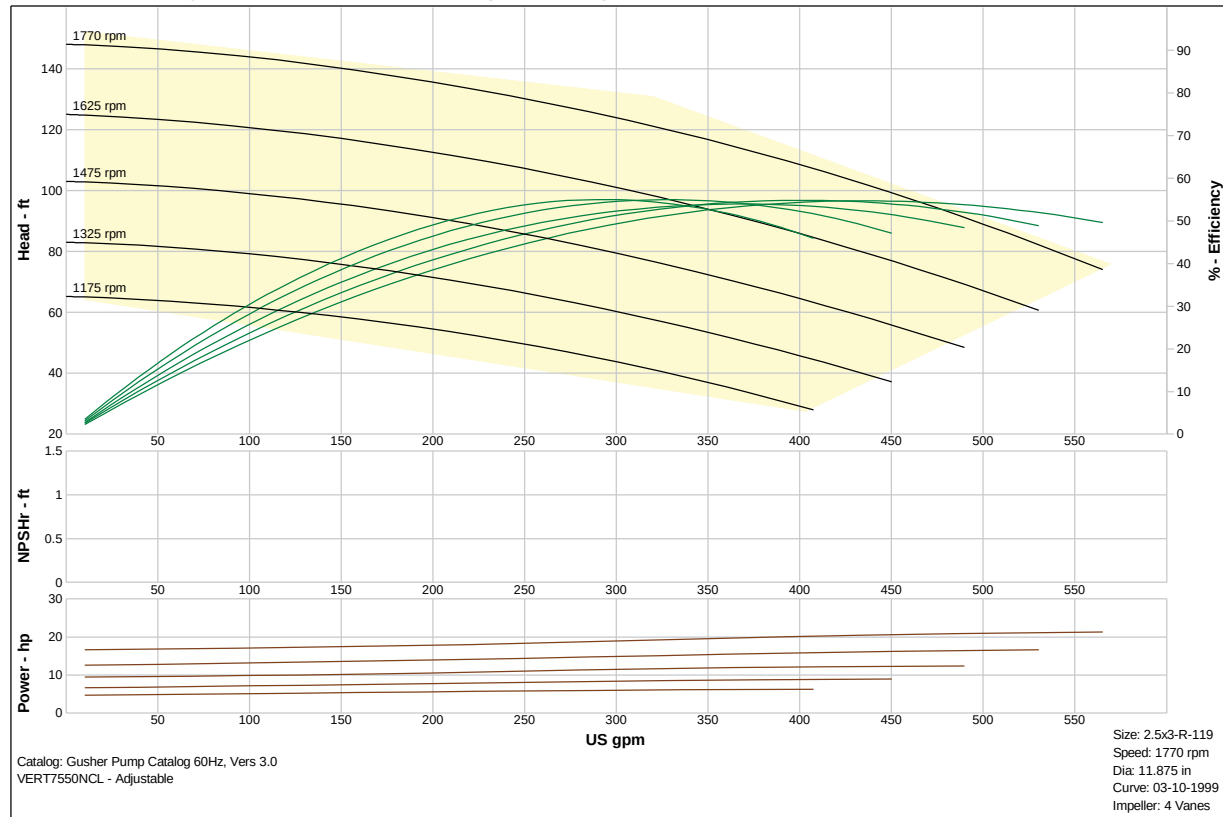


Vertical Heavy Duty Pumps

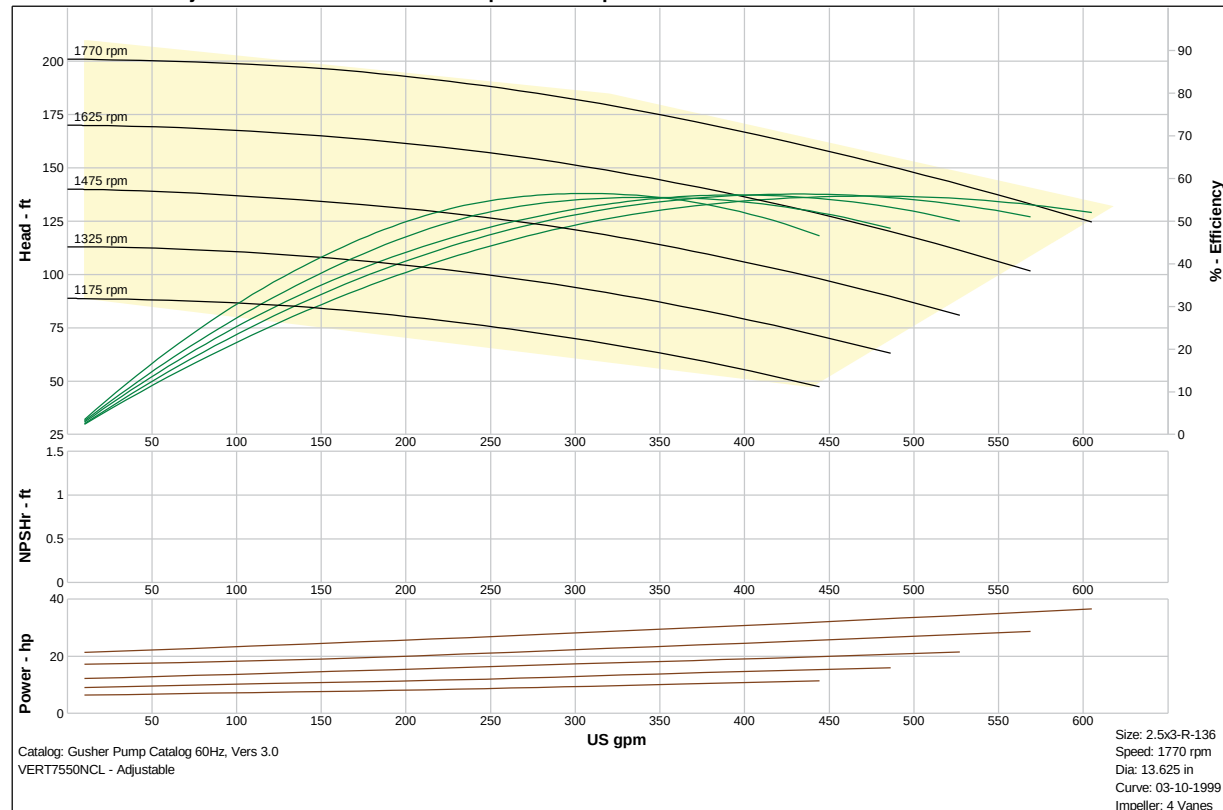
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 2.5x3-R-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 2.5x3-R-136 Speed: 1770 rpm



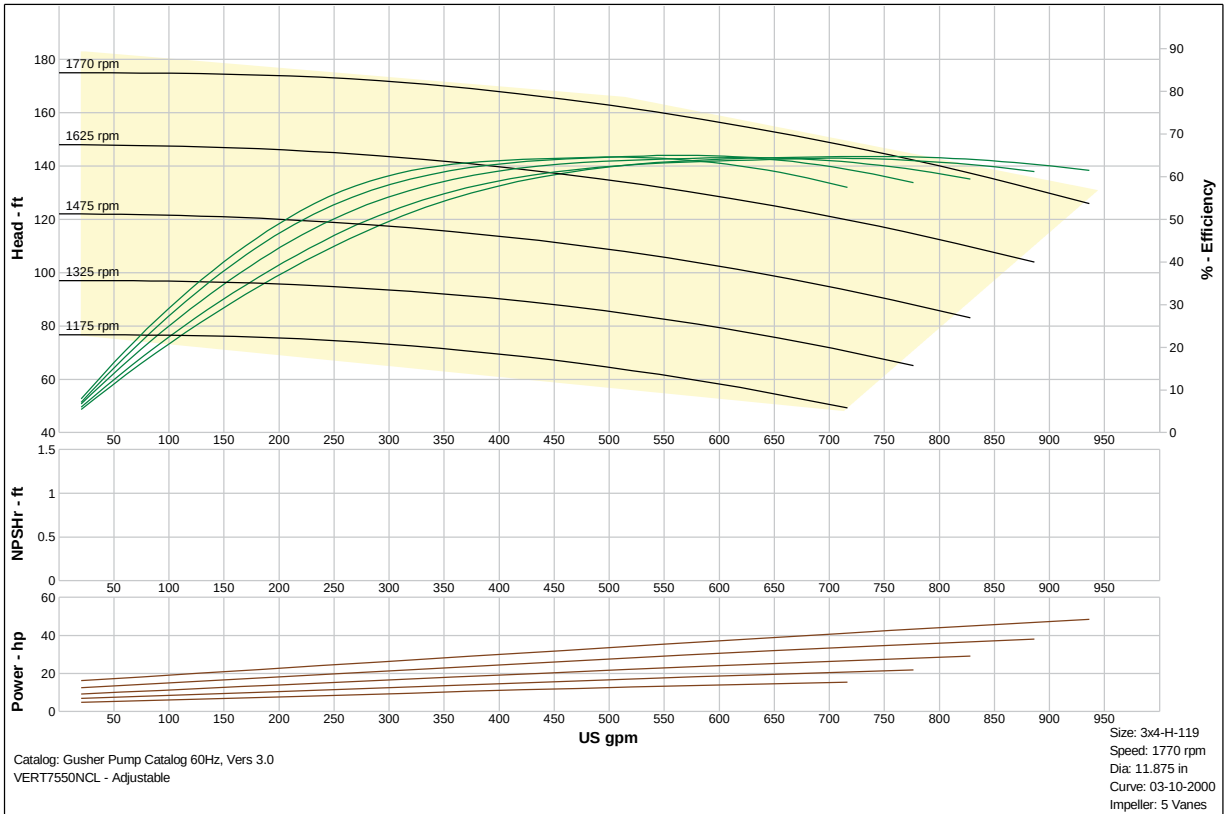


Vertical Heavy Duty Pumps

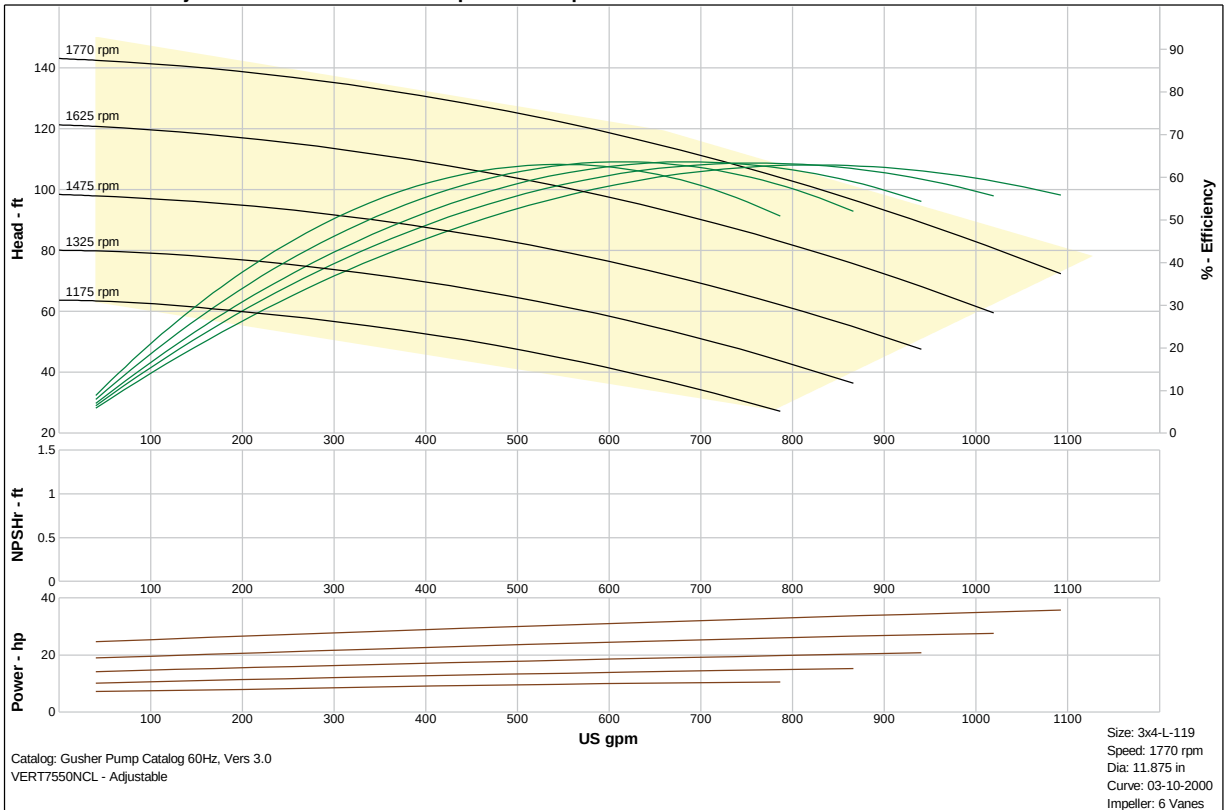
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 3x4-H-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 3x4-L-119 Speed: 1770 rpm



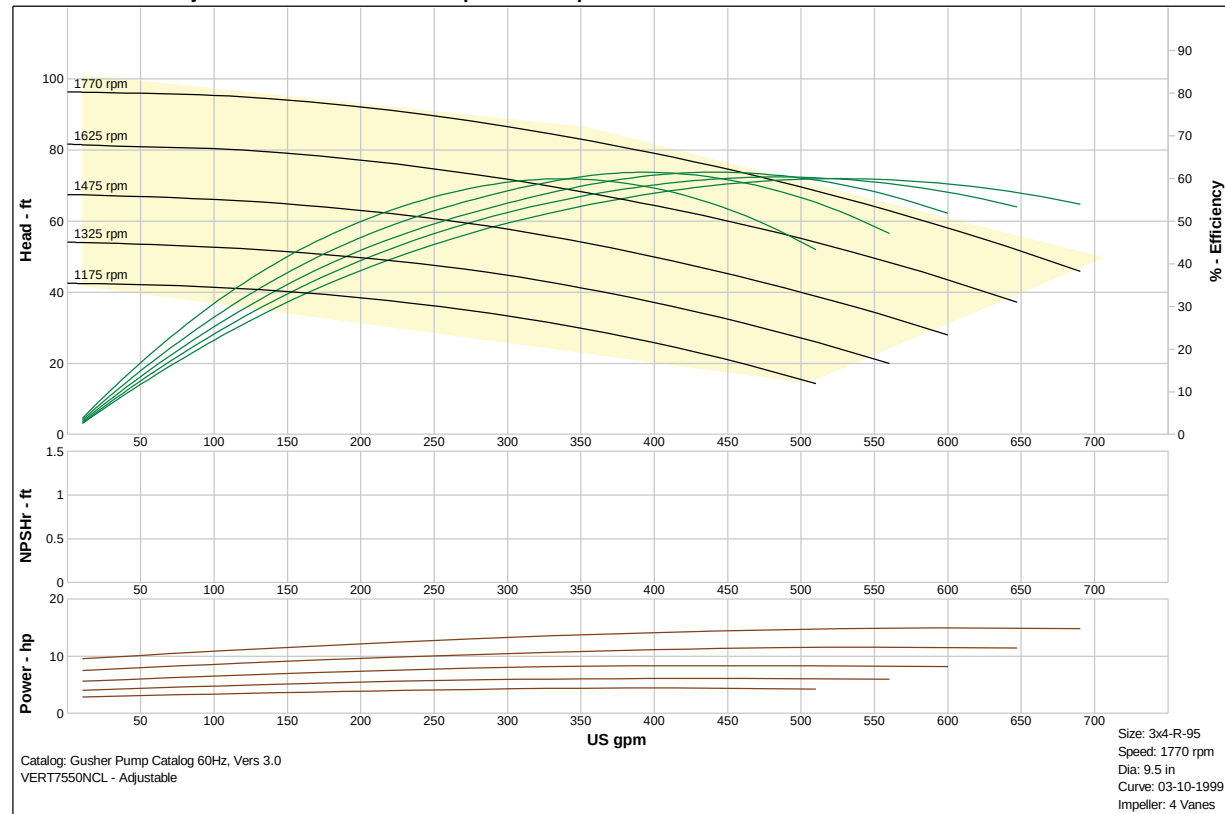


Vertical Heavy Duty Pumps

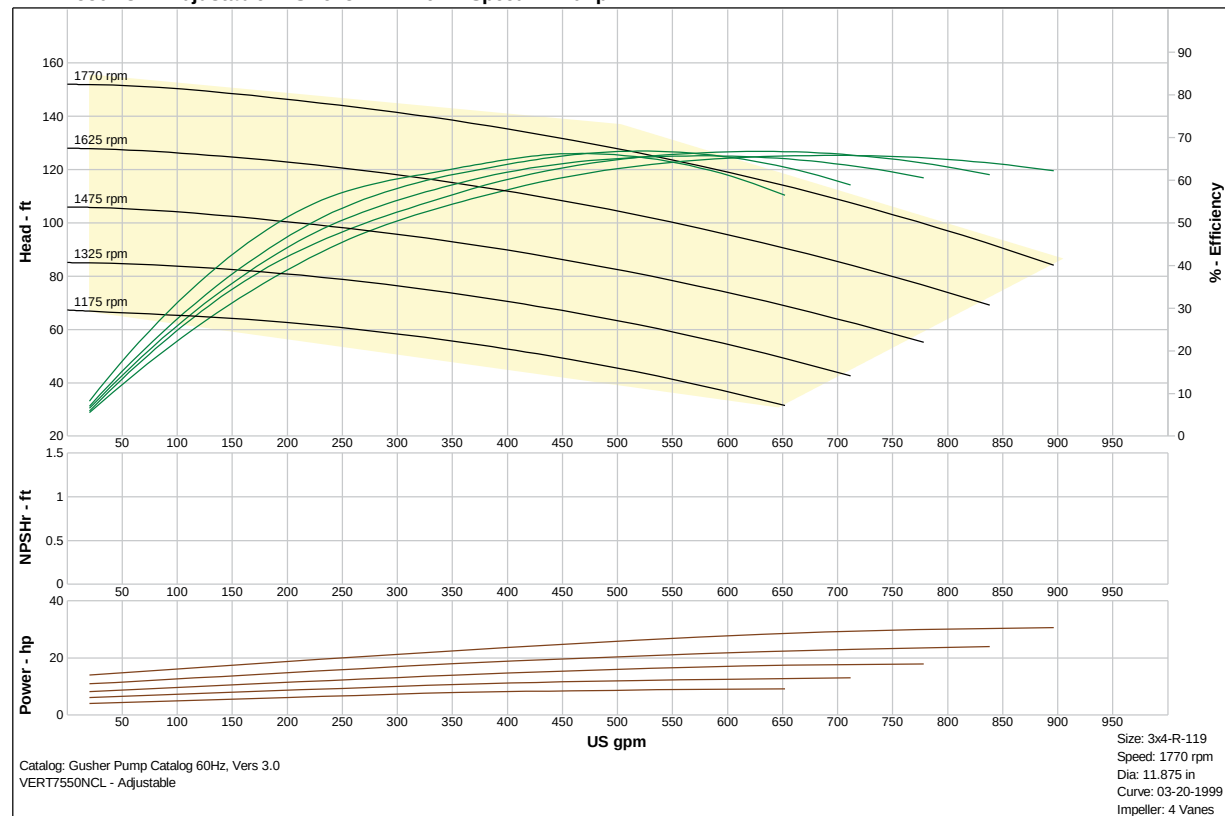
Slurry Cantilever

Pump Selection Curves

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



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



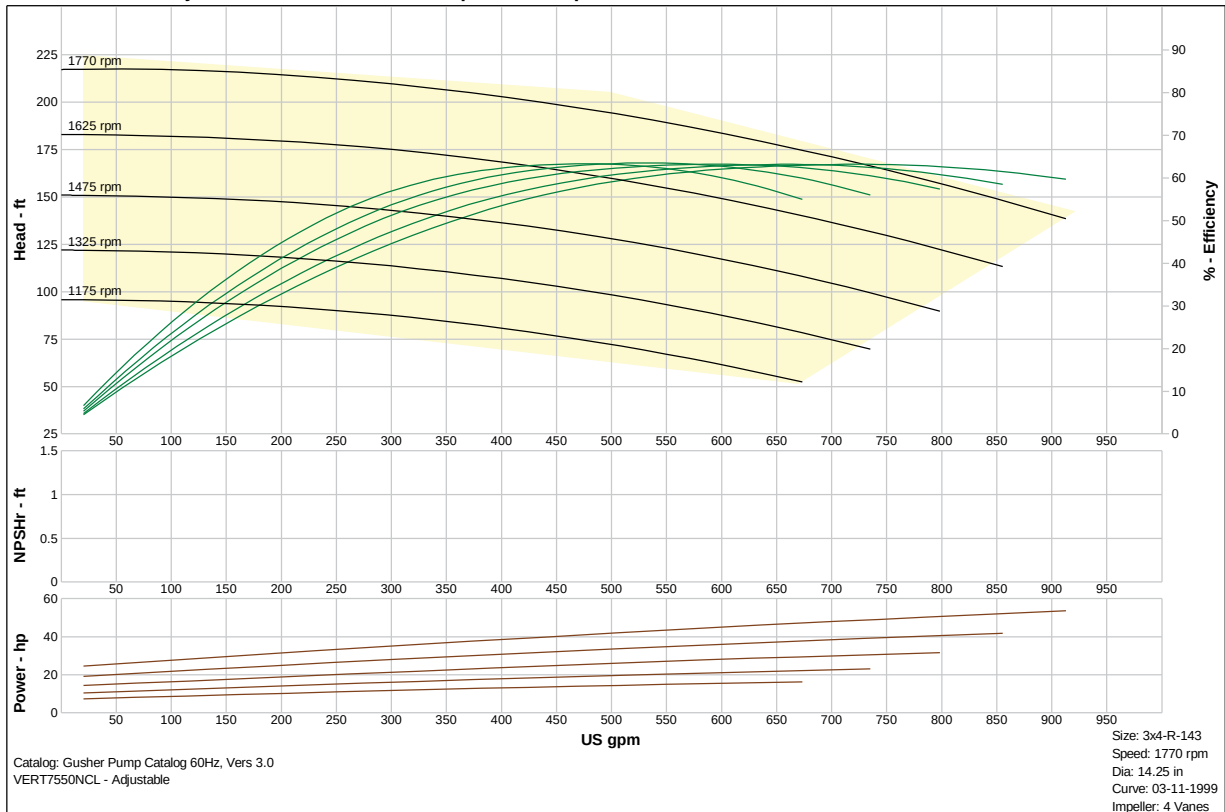


Vertical Heavy Duty Pumps

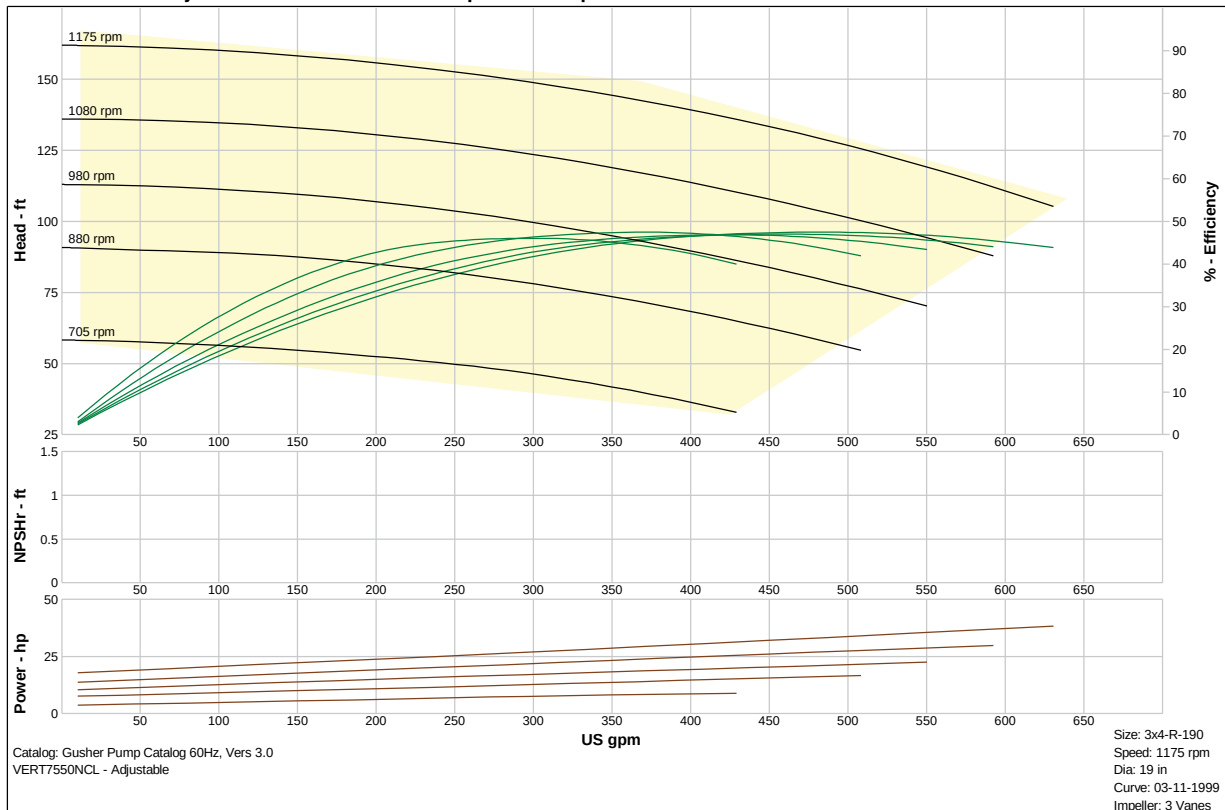
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 3x4-R-143 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 3x4-R-190 Speed: 1175 rpm



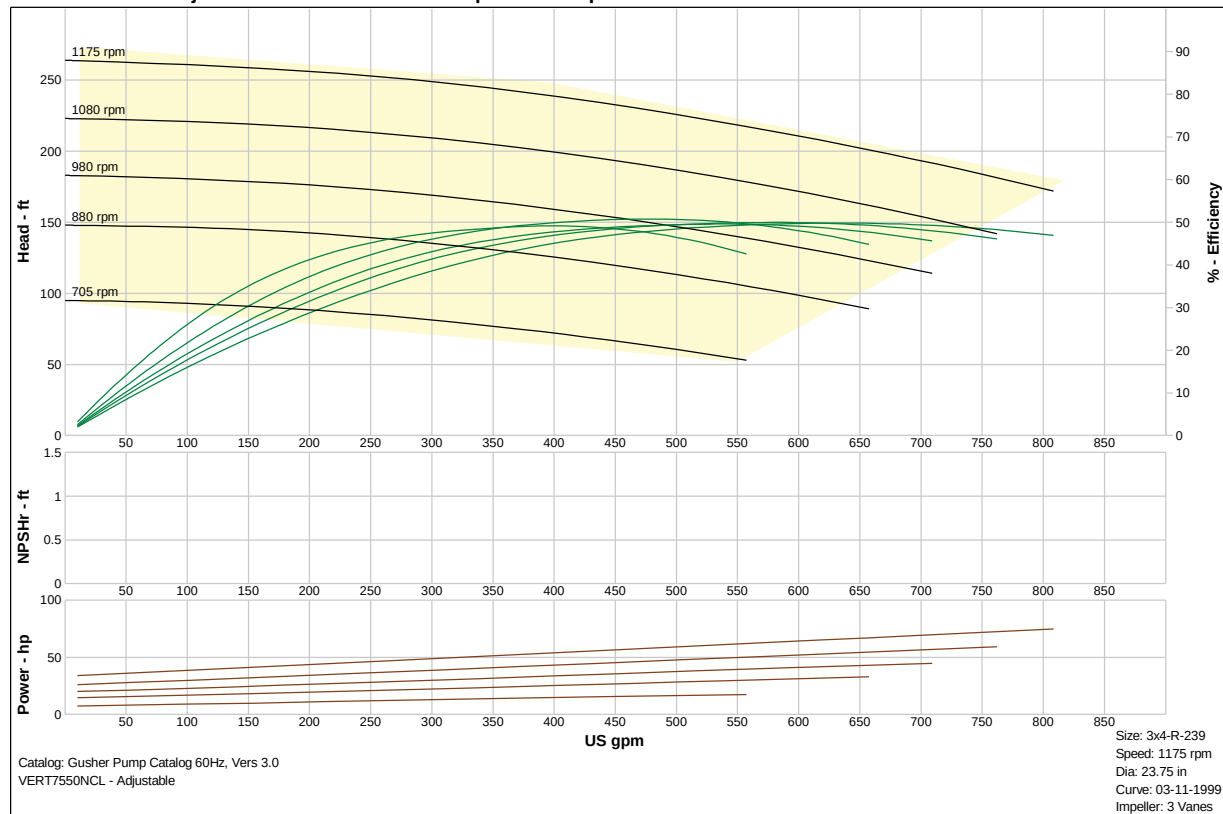


Vertical Heavy Duty Pumps

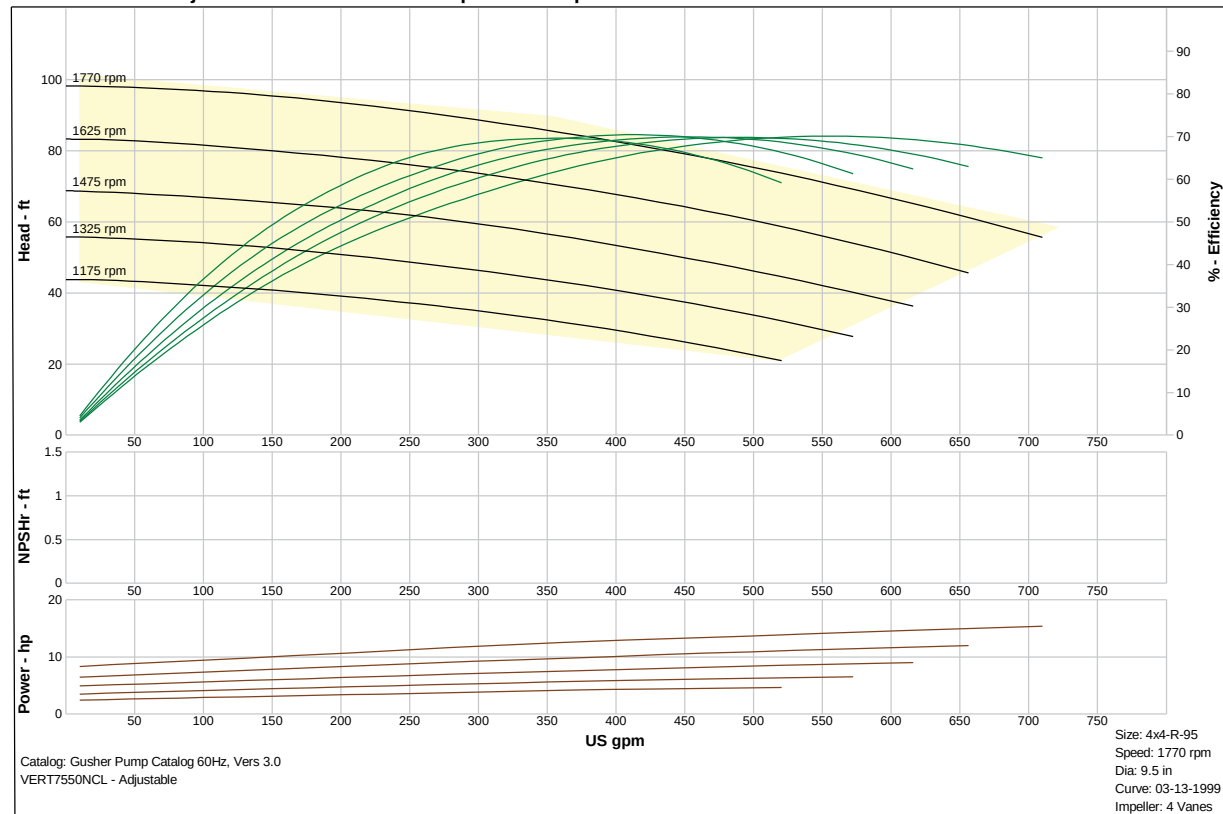
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 3x4-R-239 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 4x4-R-95 Speed: 1770 rpm



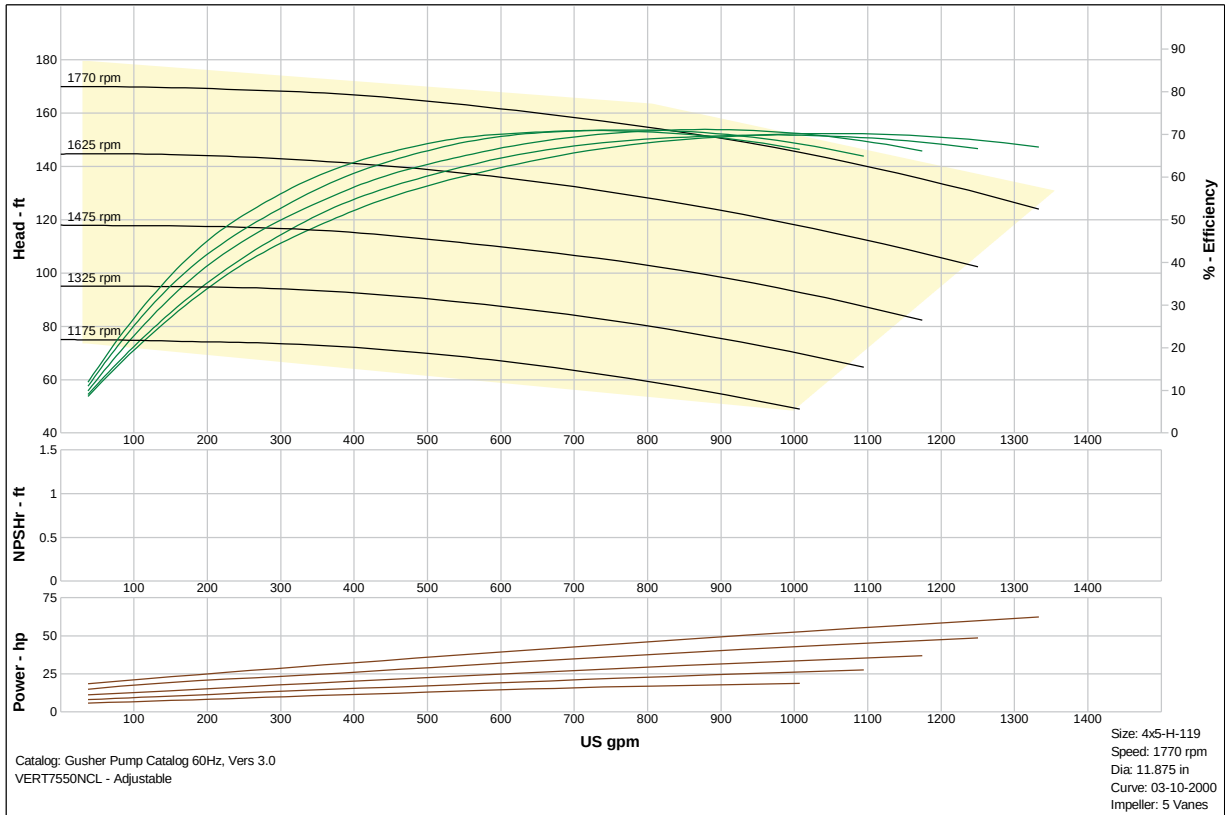


Vertical Heavy Duty Pumps

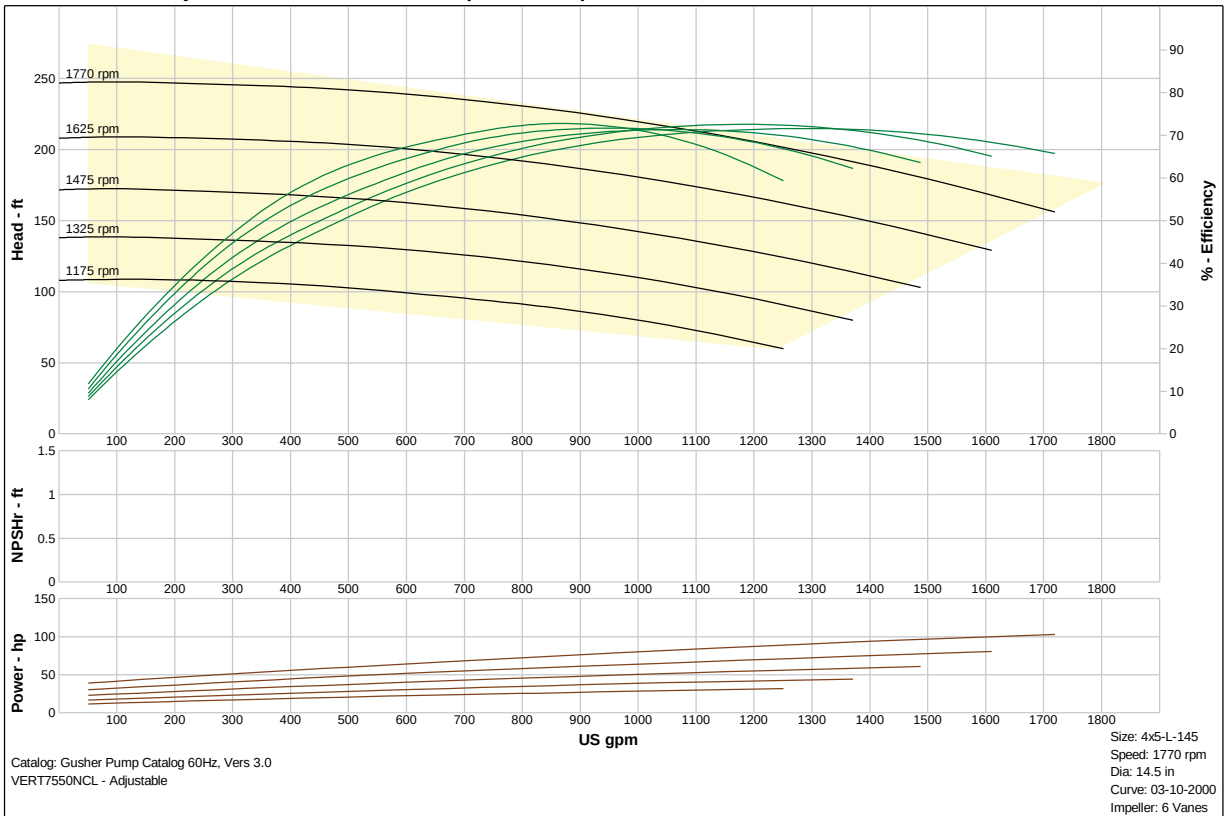
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 4x5-H-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 4x5-L-145 Speed: 1770 rpm



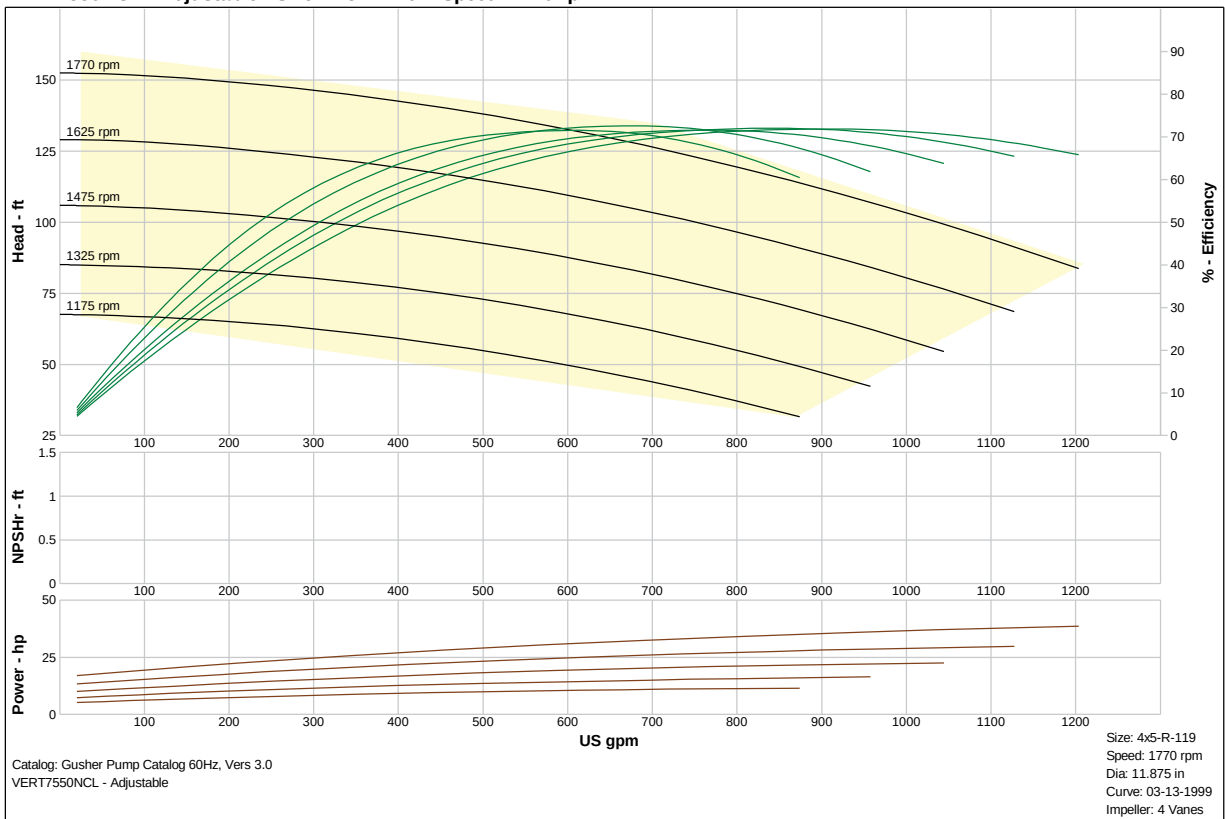


Vertical Heavy Duty Pumps

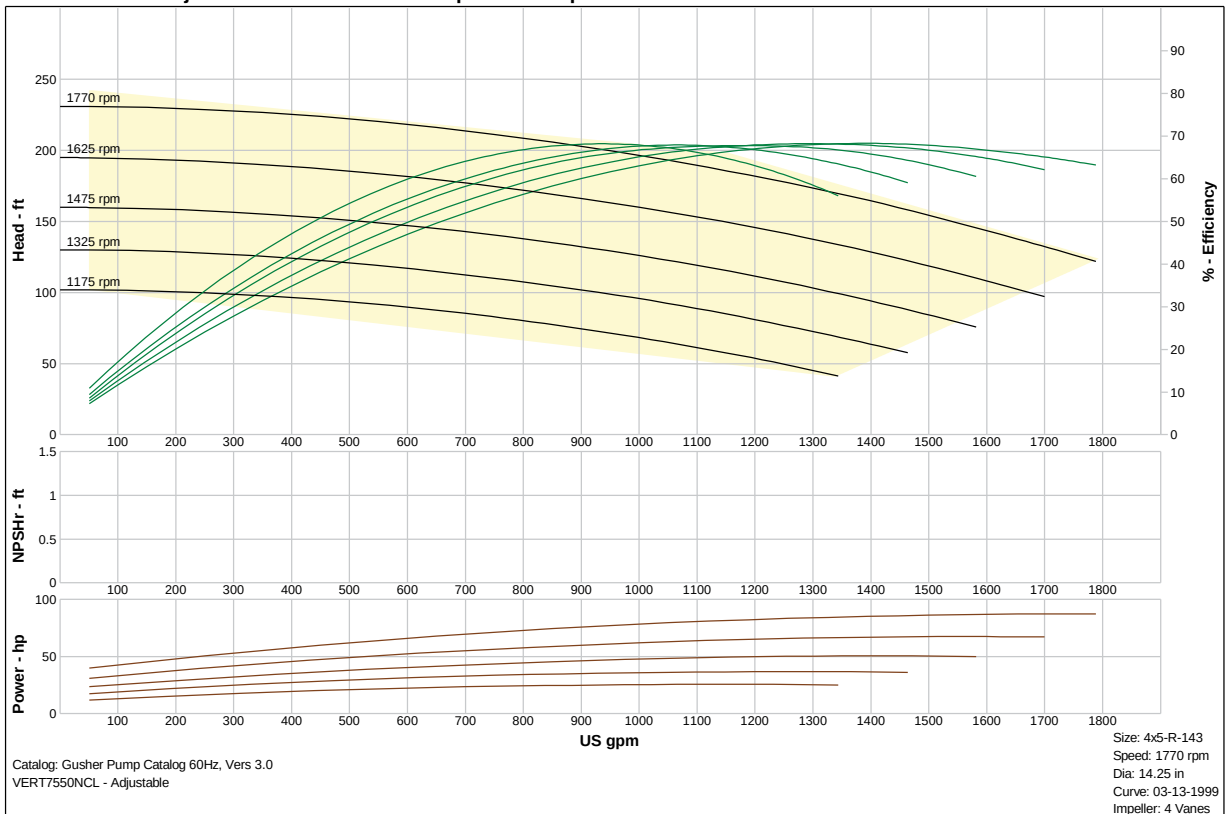
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 4x5-R-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 4x5-R-143 Speed: 1770 rpm



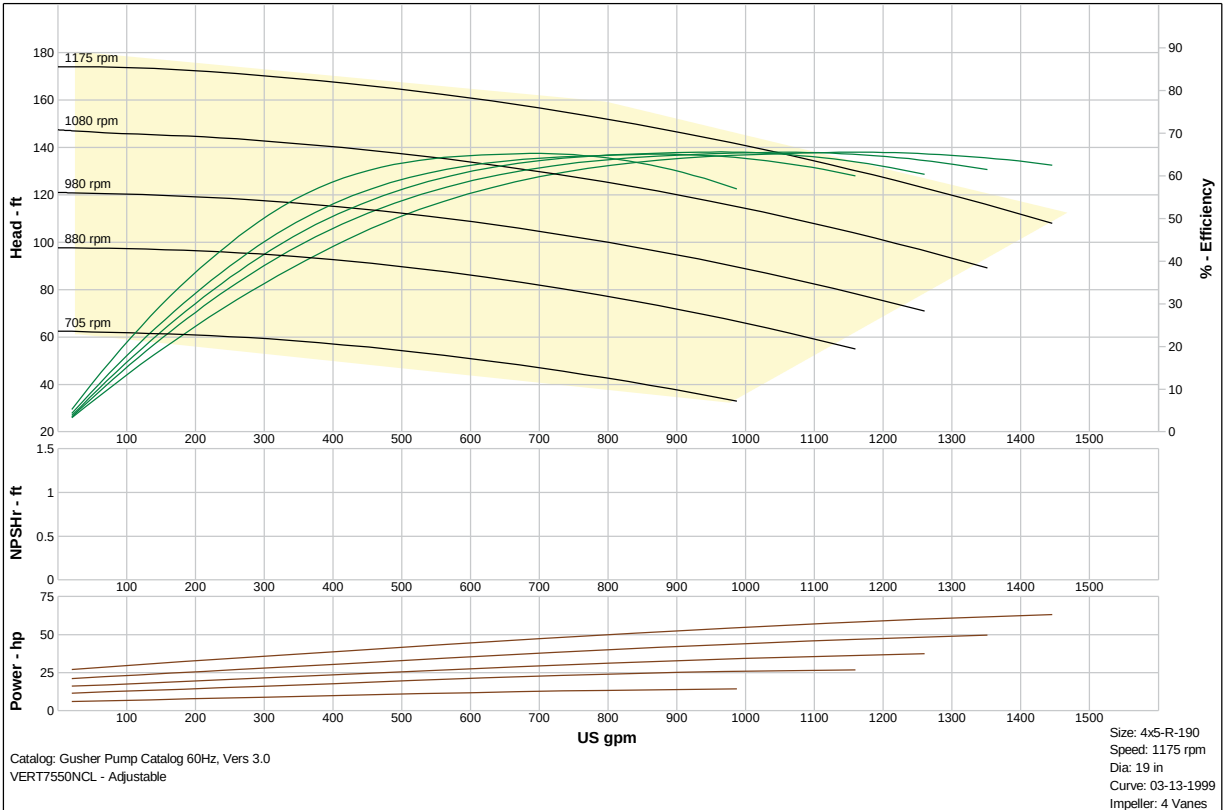


Vertical Heavy Duty Pumps

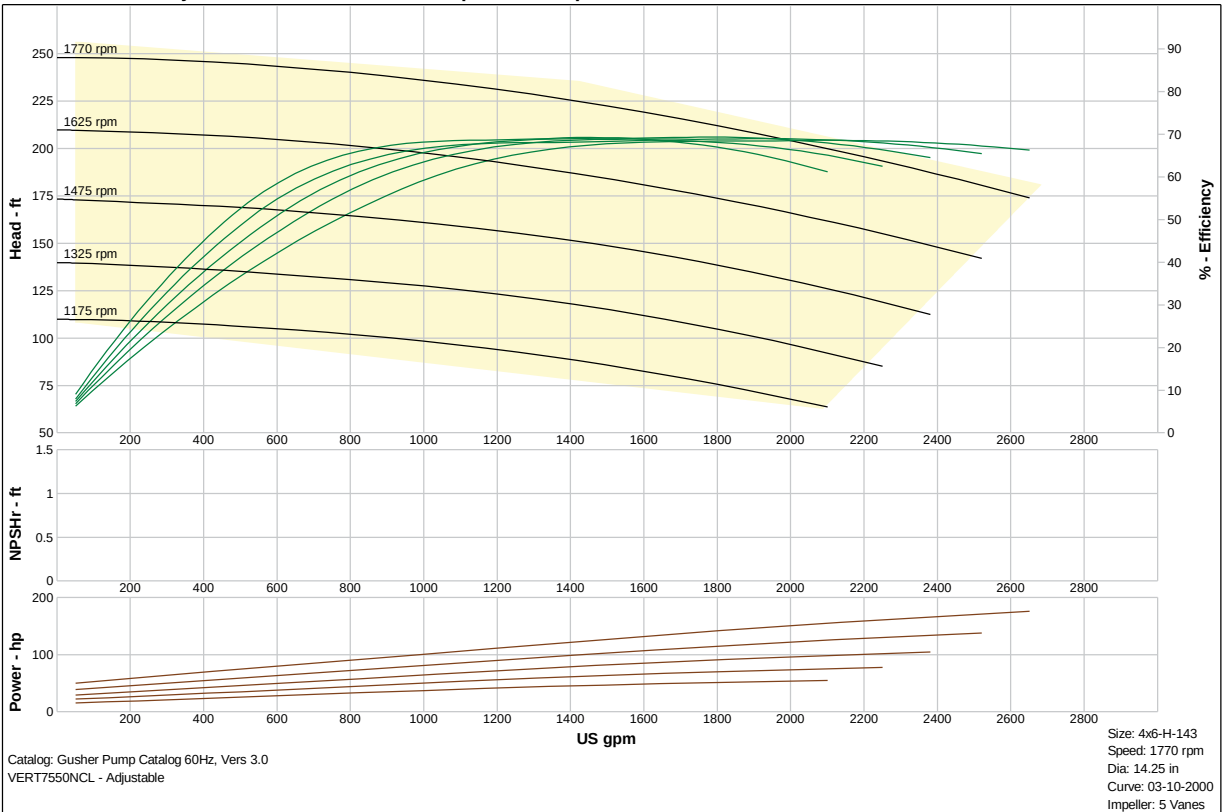
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 4x5-R-190 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 4x6-H-143 Speed: 1770 rpm



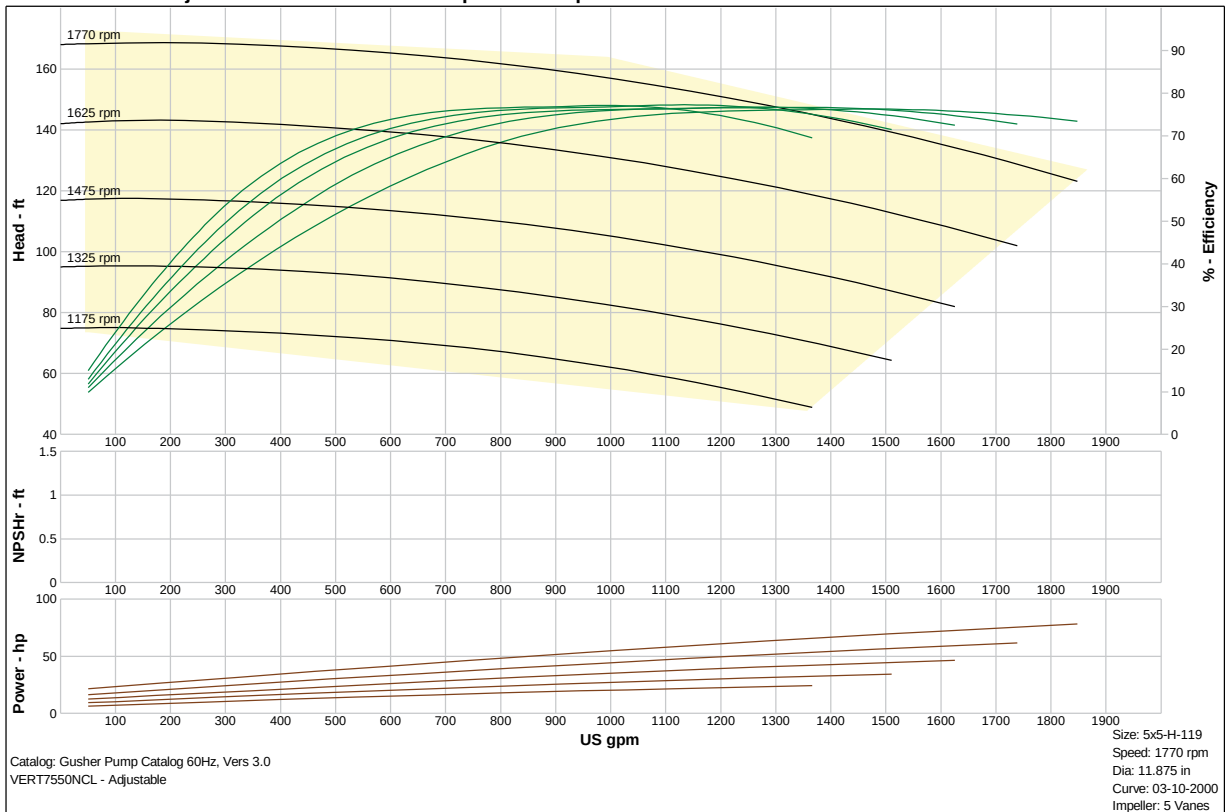


Vertical Heavy Duty Pumps

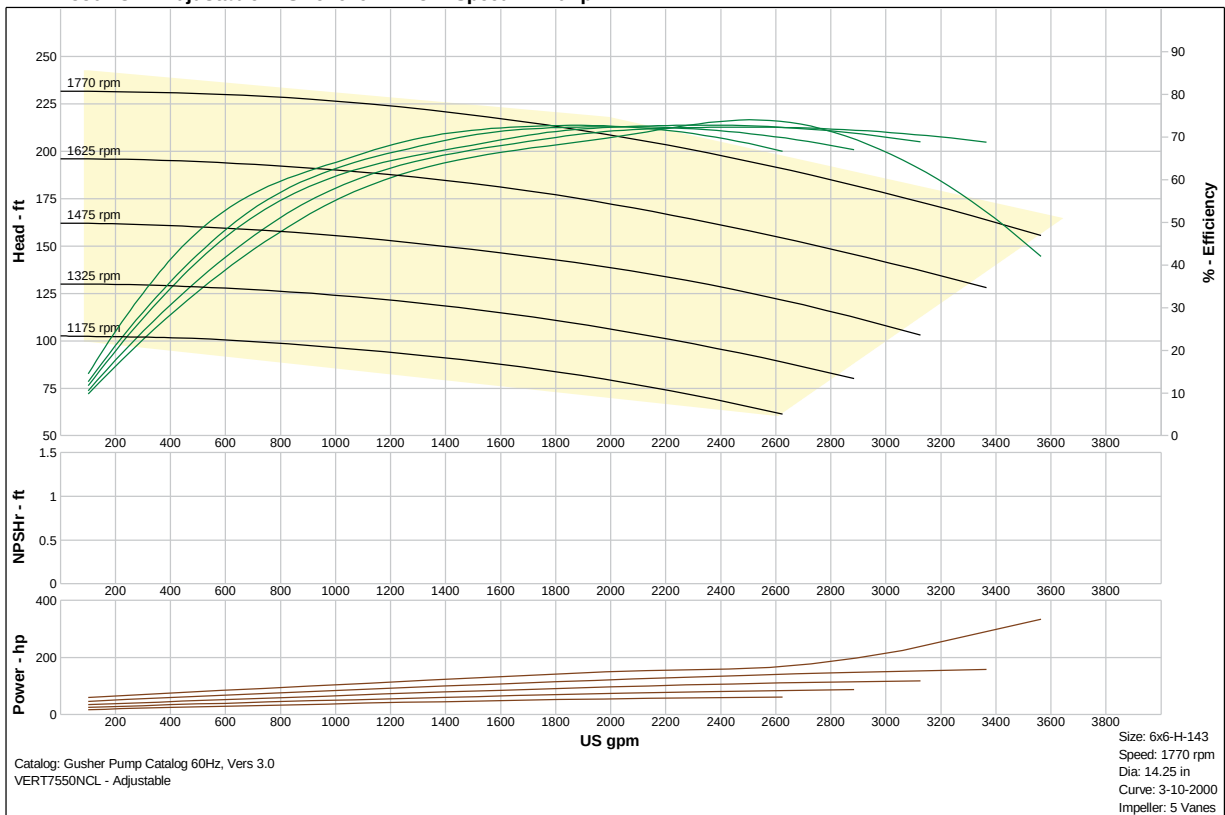
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 5x5-H-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 6x6-H-143 Speed: 1770 rpm



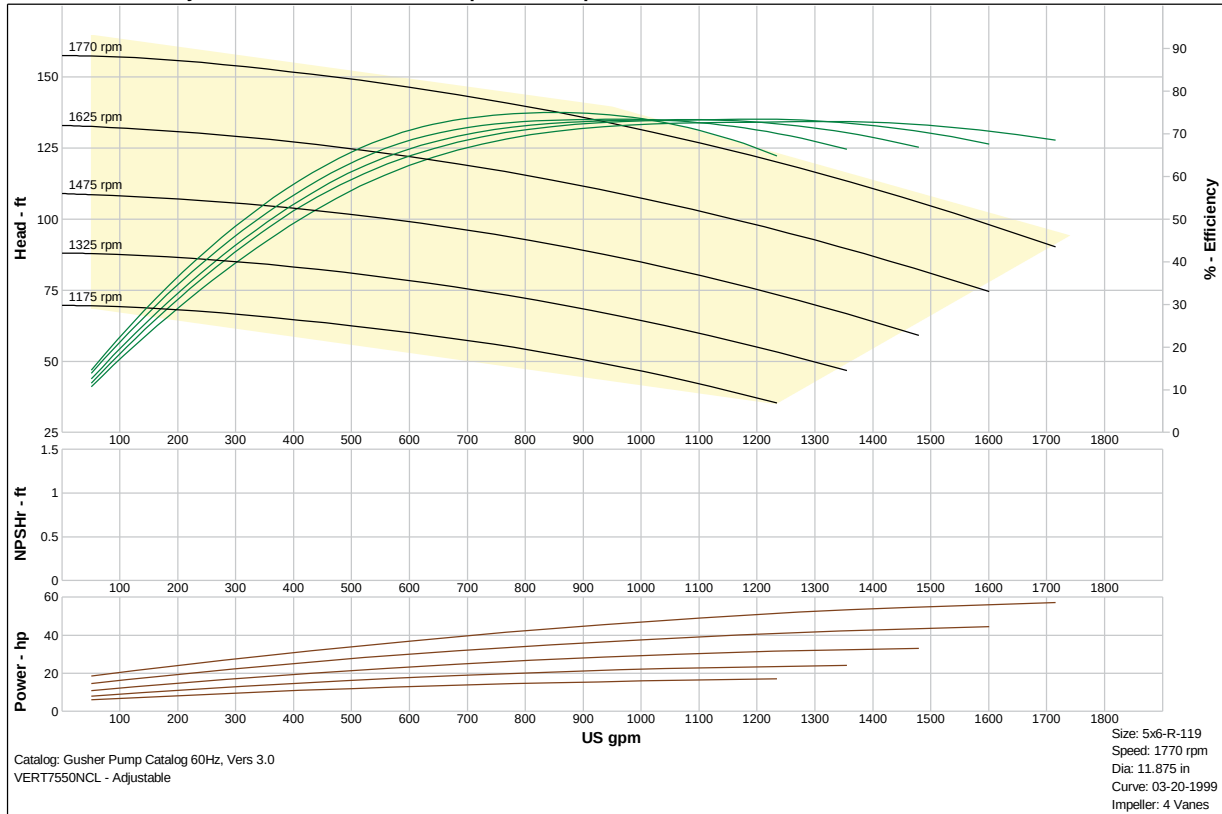


Vertical Heavy Duty Pumps

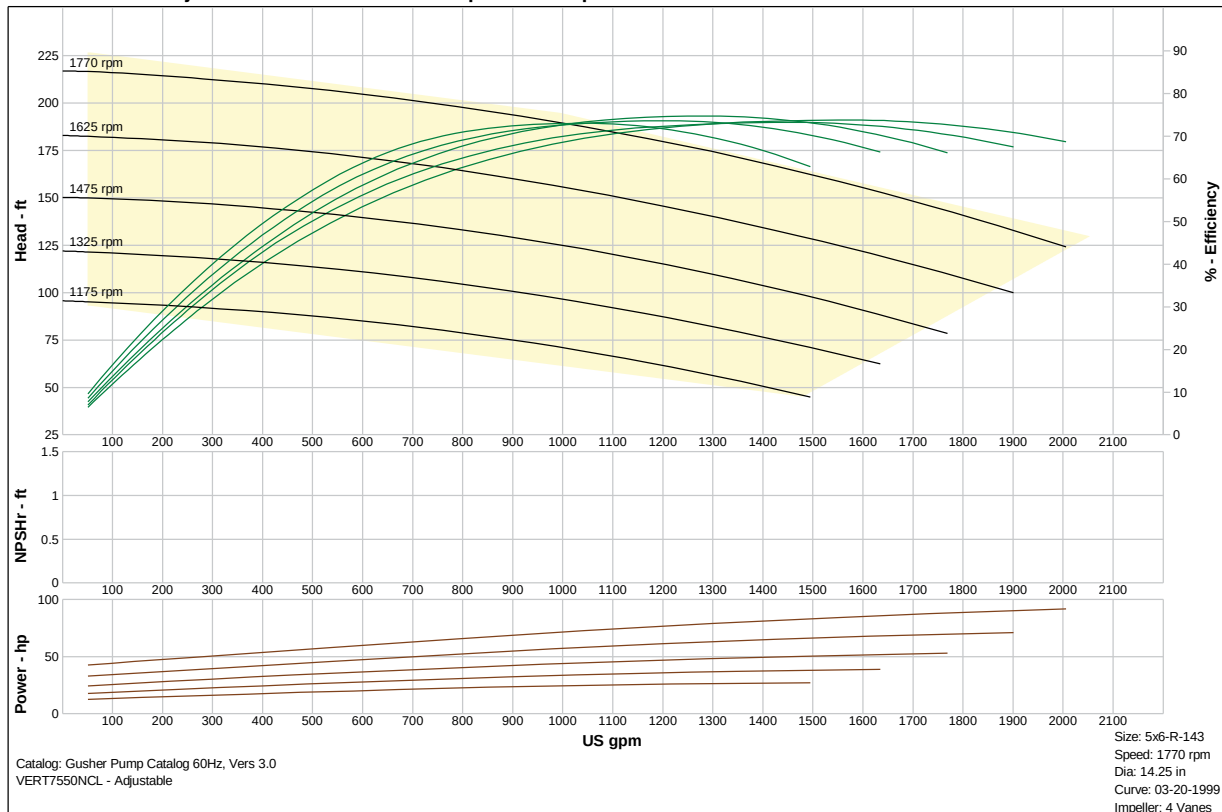
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 5x6-R-119 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 5x6-R-143 Speed: 1770 rpm



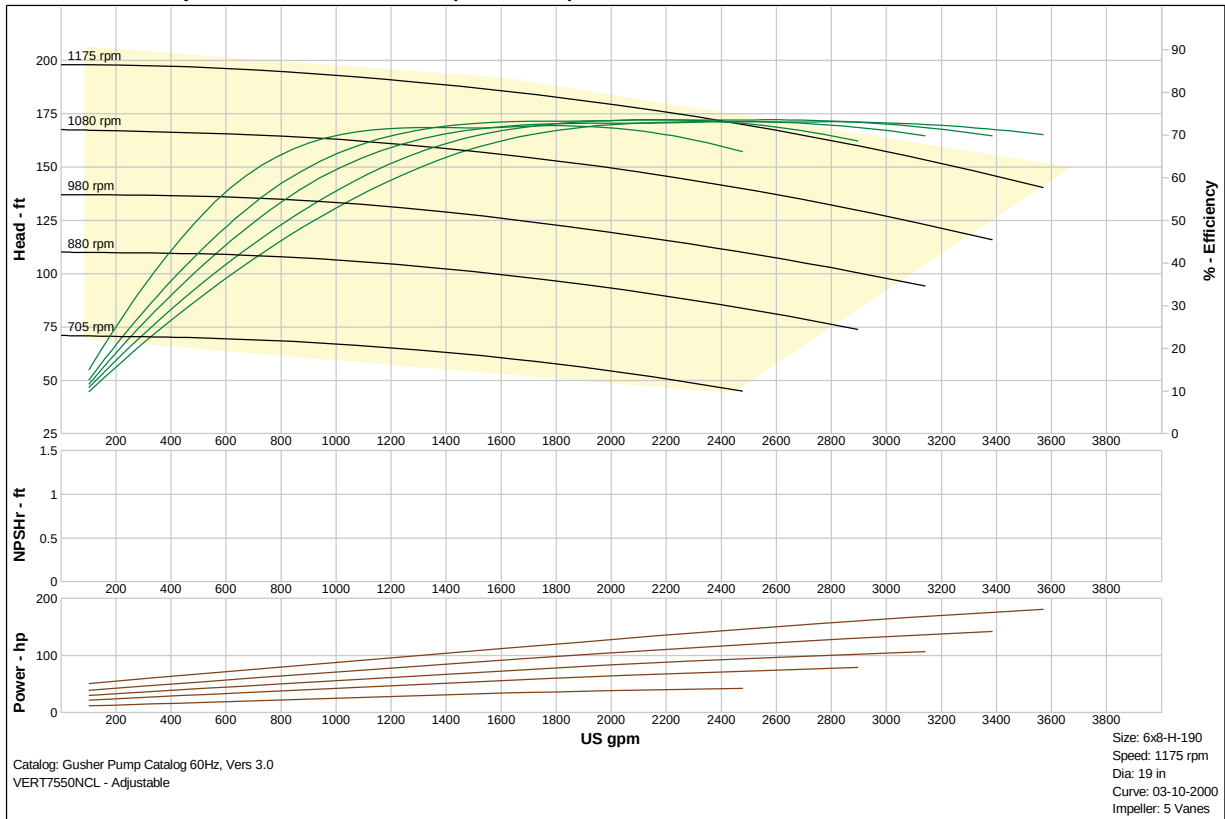


Vertical Heavy Duty Pumps

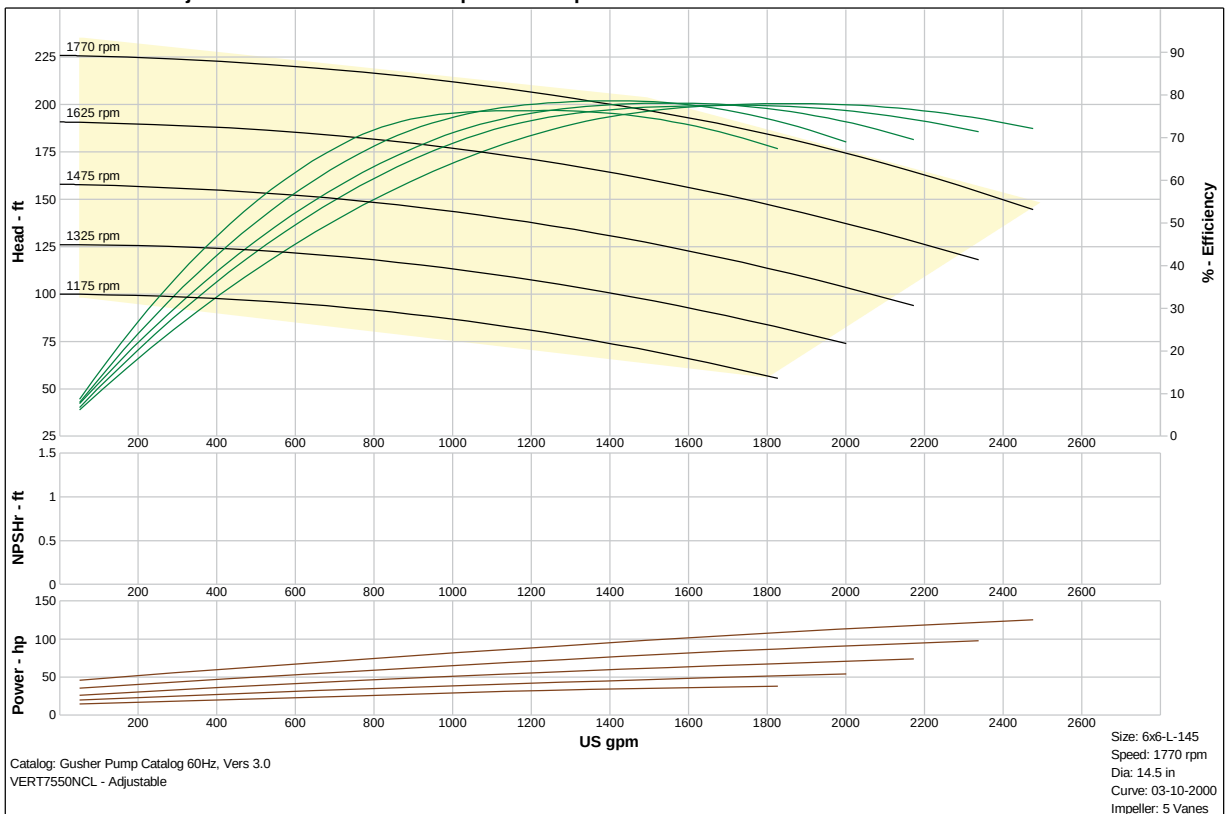
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 6x8-H-190 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 6x6-L-145 Speed: 1770 rpm



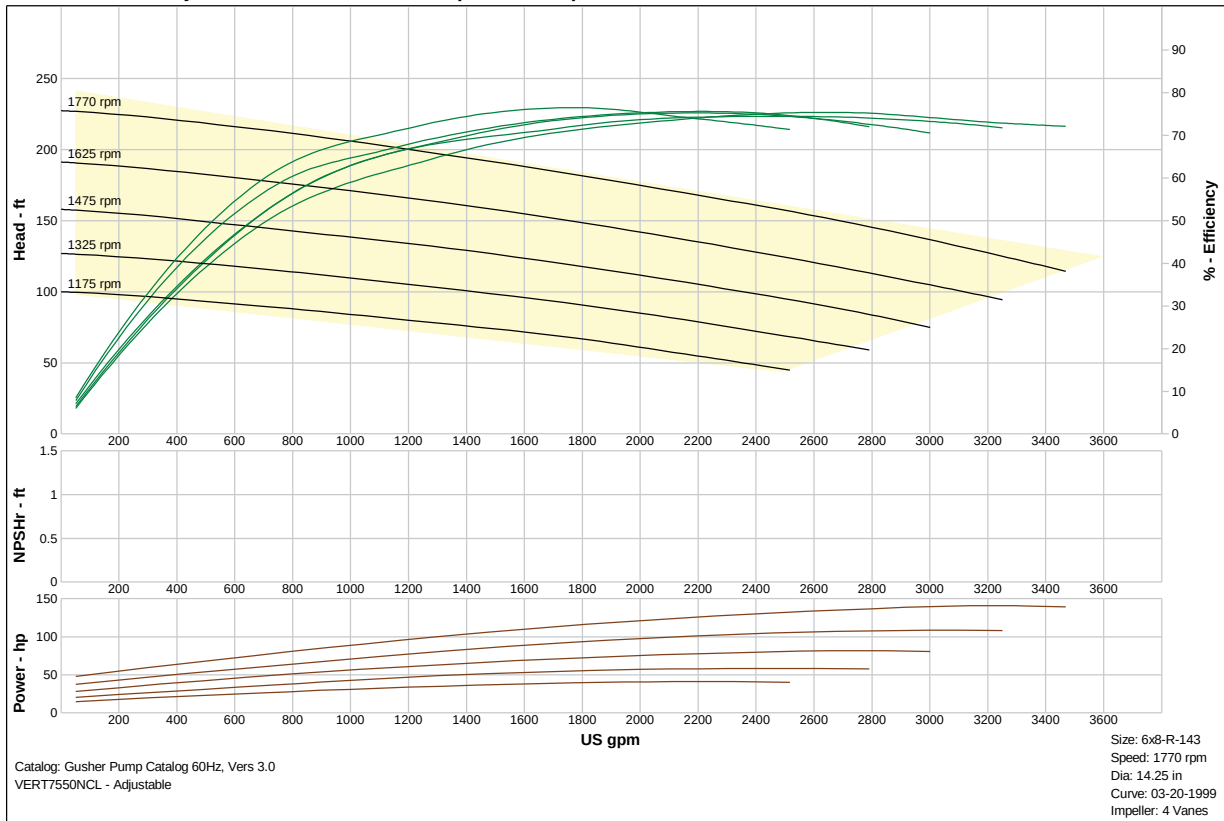


Vertical Heavy Duty Pumps

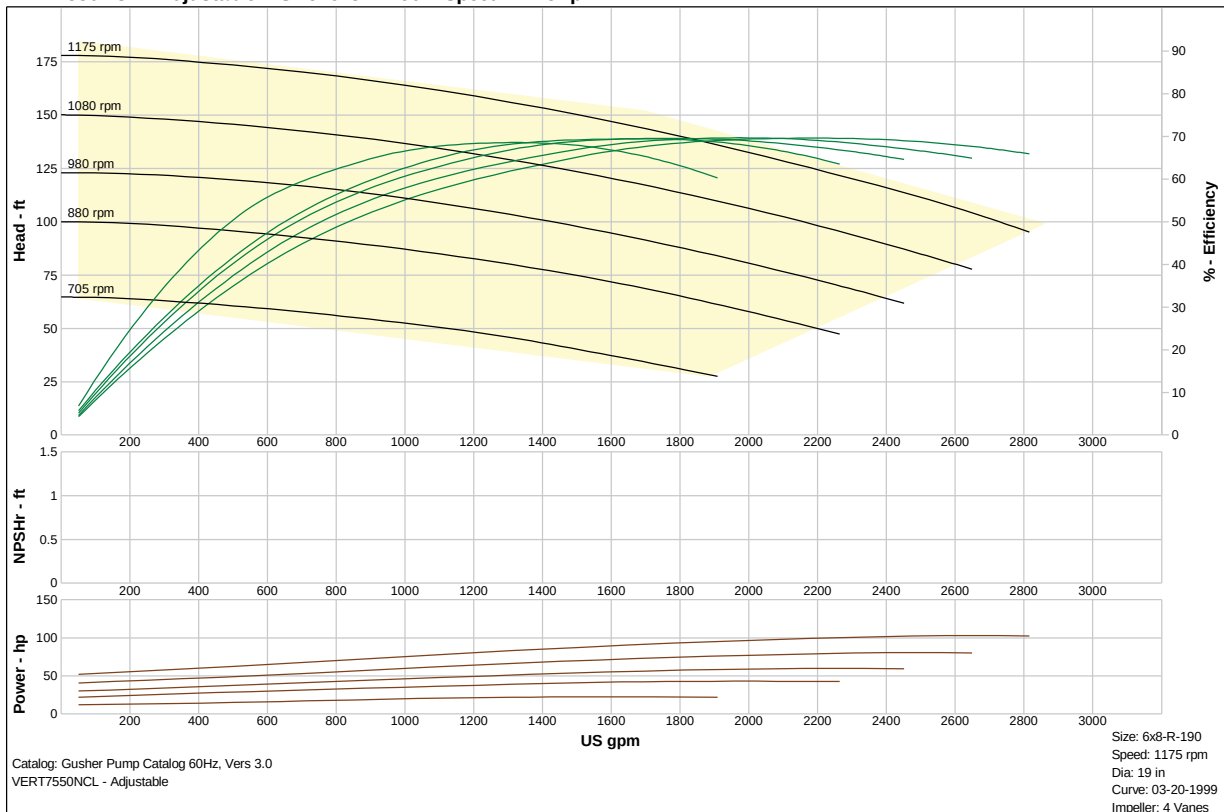
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 6x8-R-143 Speed: 1770 rpm



VERT7550NCL - Adjustable Size: 6x8-R-190 Speed: 1175 rpm



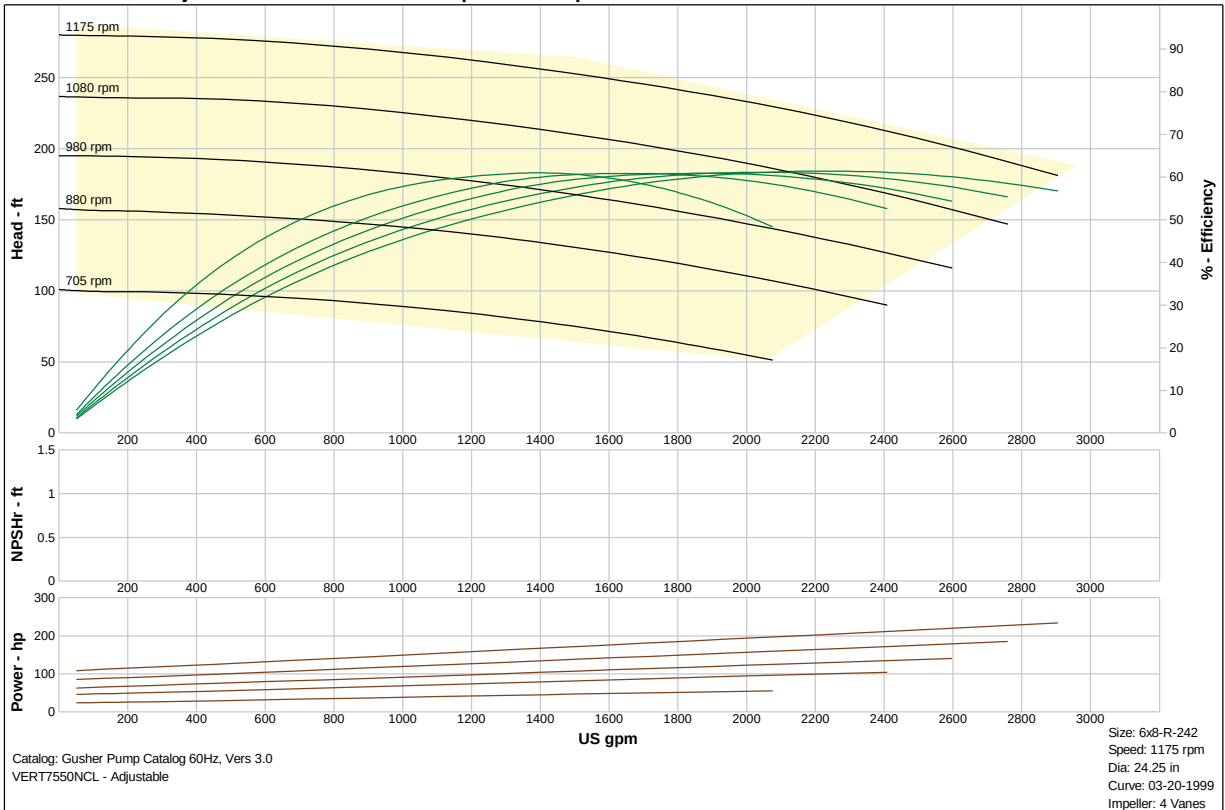


Vertical Heavy Duty Pumps

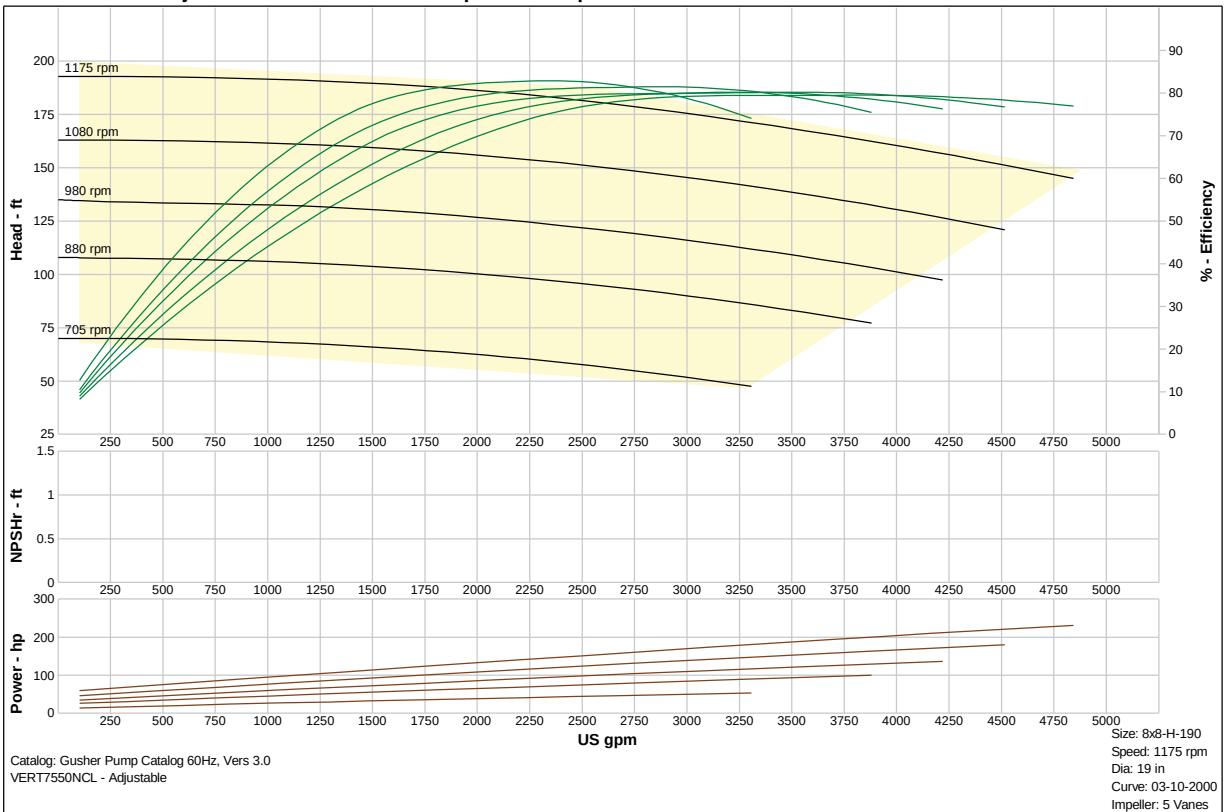
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 6x8-R-242 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 8x8-H-190 Speed: 1175 rpm



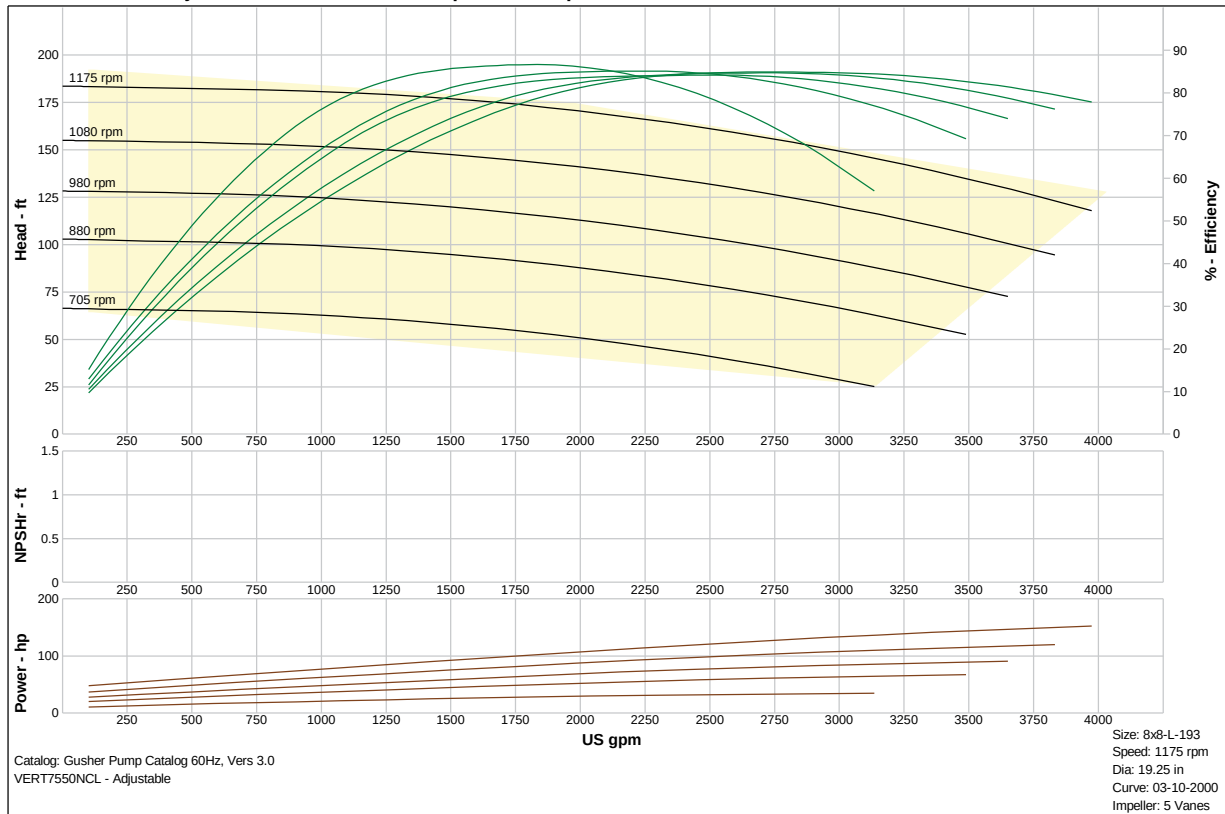


Vertical Heavy Duty Pumps

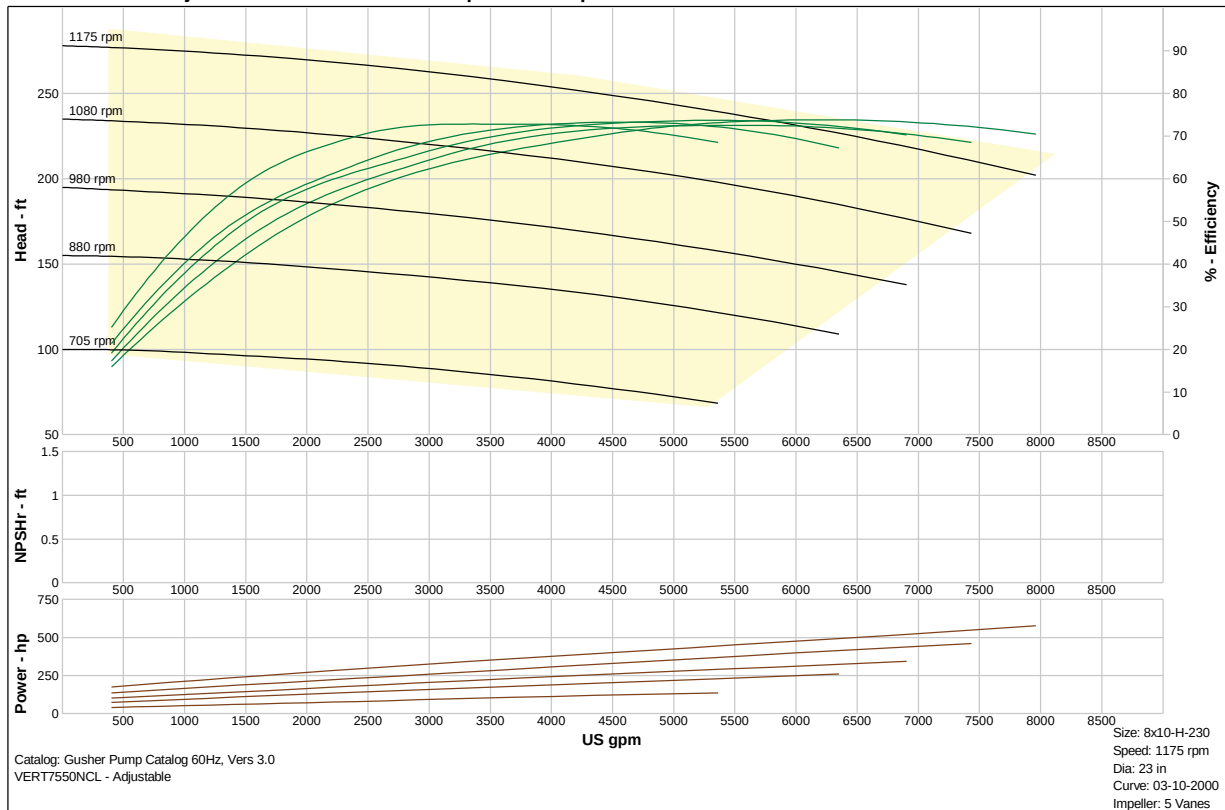
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 8x8-L-193 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 8x10-H-230 Speed: 1175 rpm



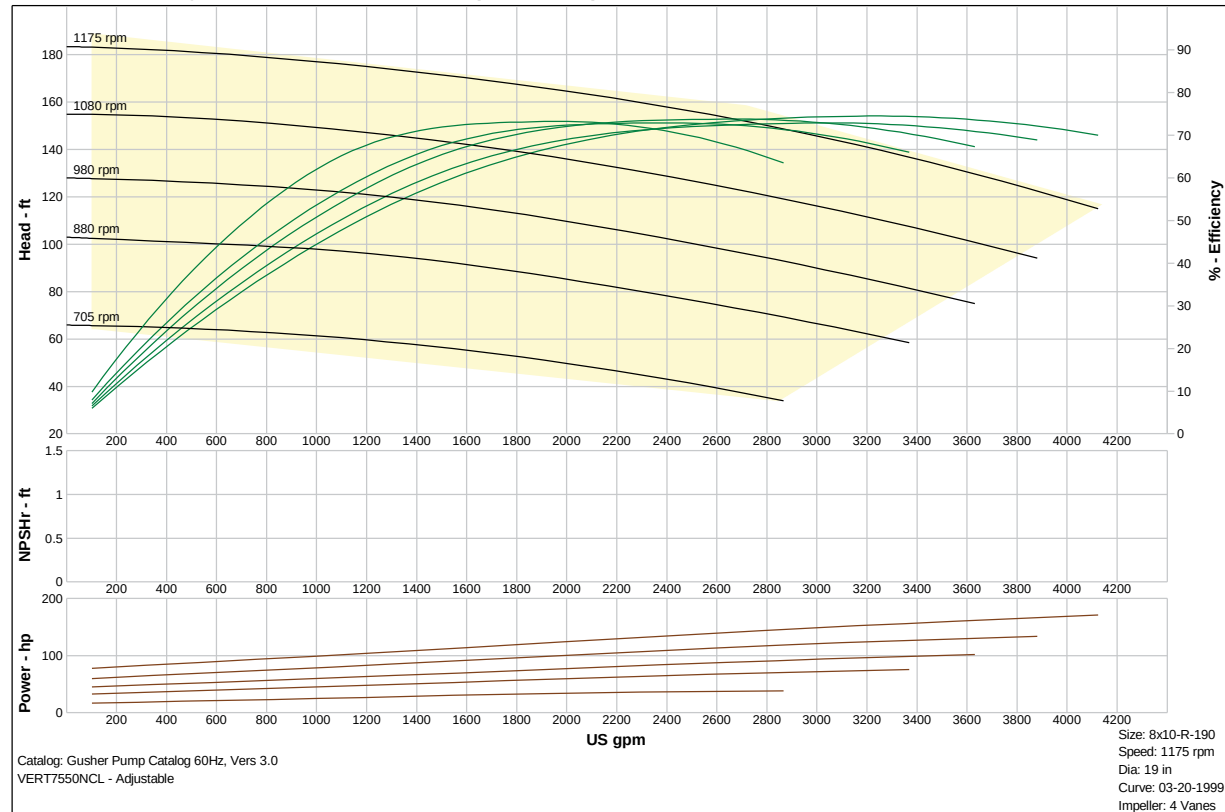


Vertical Heavy Duty Pumps

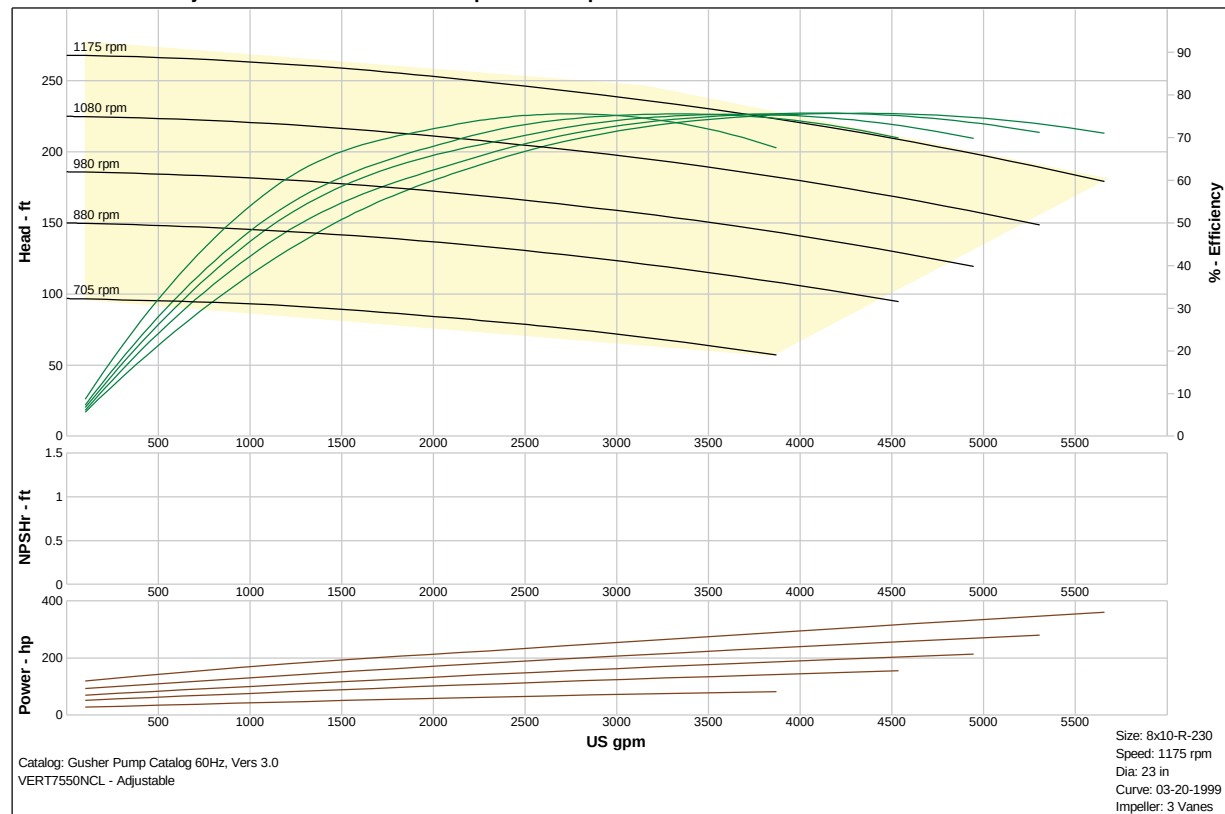
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 8x10-R-190 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 8x10-R-230 Speed: 1175 rpm



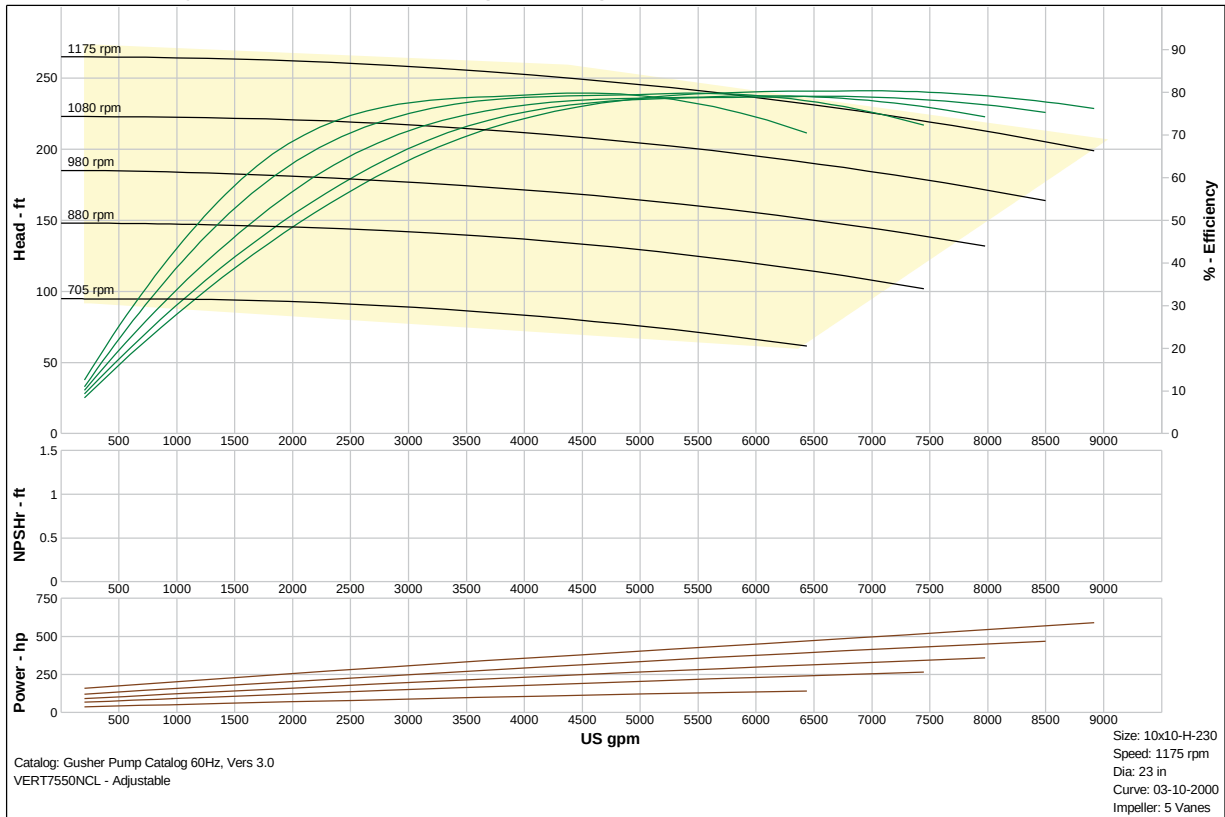


Vertical Heavy Duty Pumps

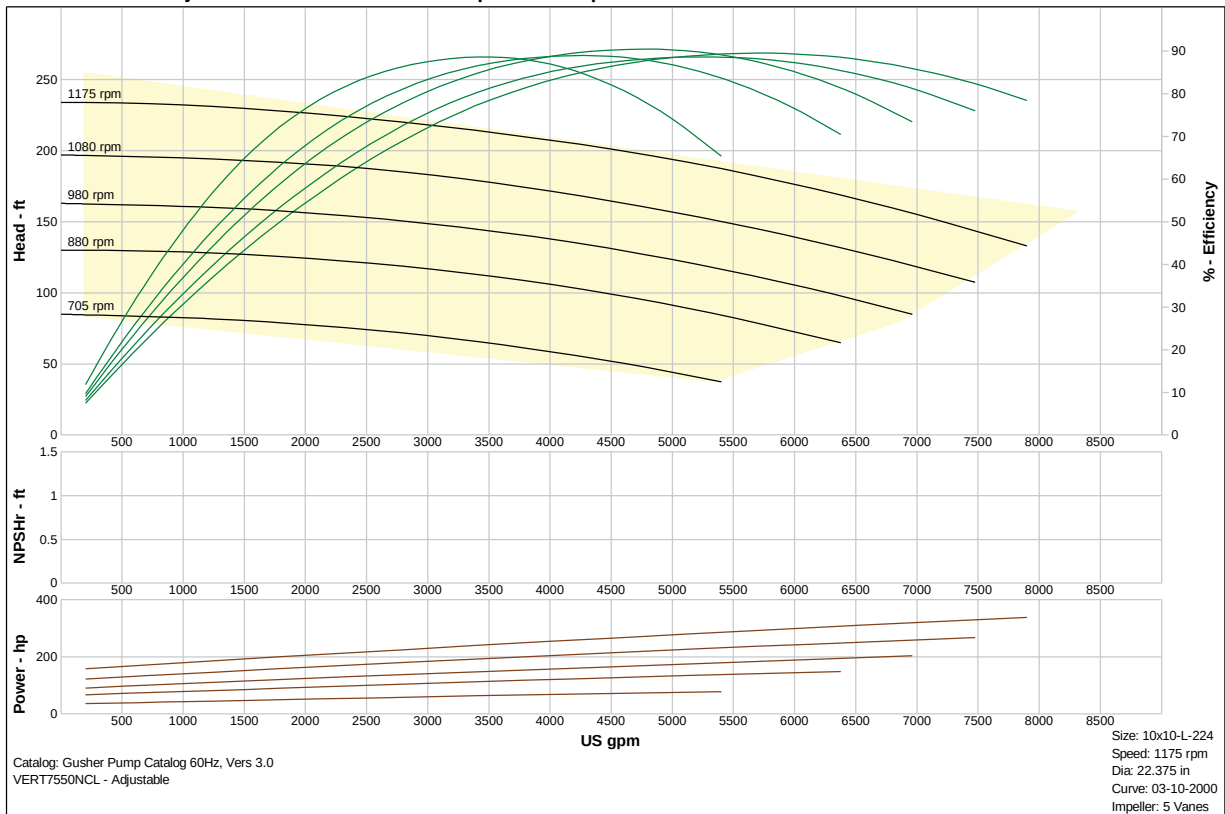
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 10x10-H-230 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 10x10-L-224 Speed: 1175 rpm



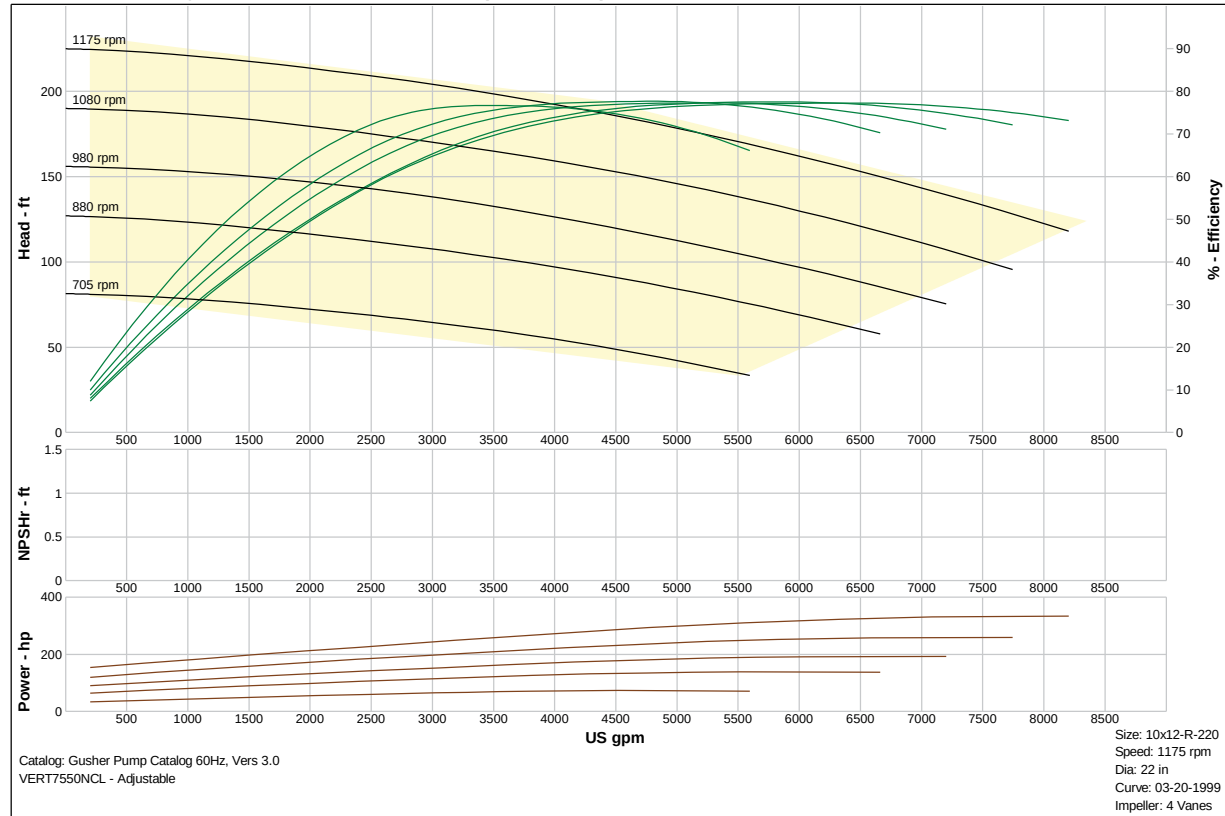


Vertical Heavy Duty Pumps

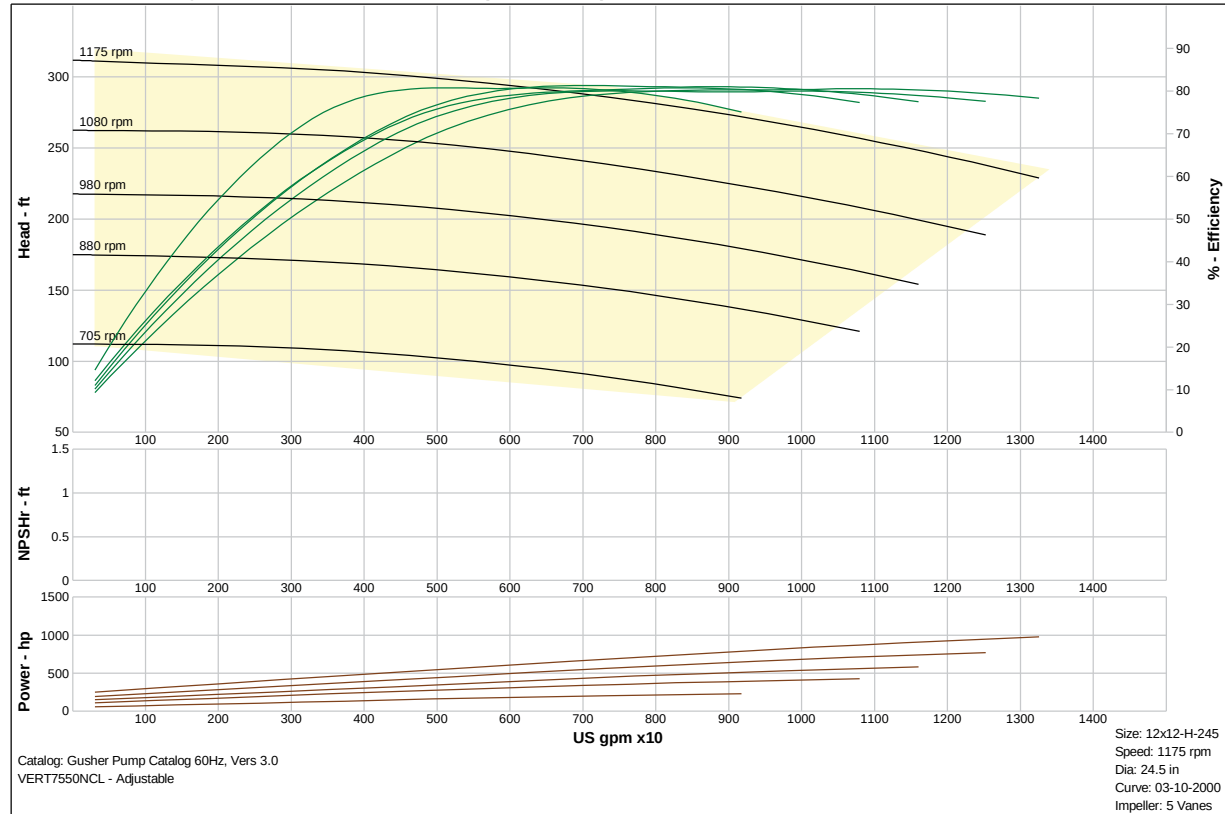
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 10x12-R-220 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 12x12-H-245 Speed: 1175 rpm



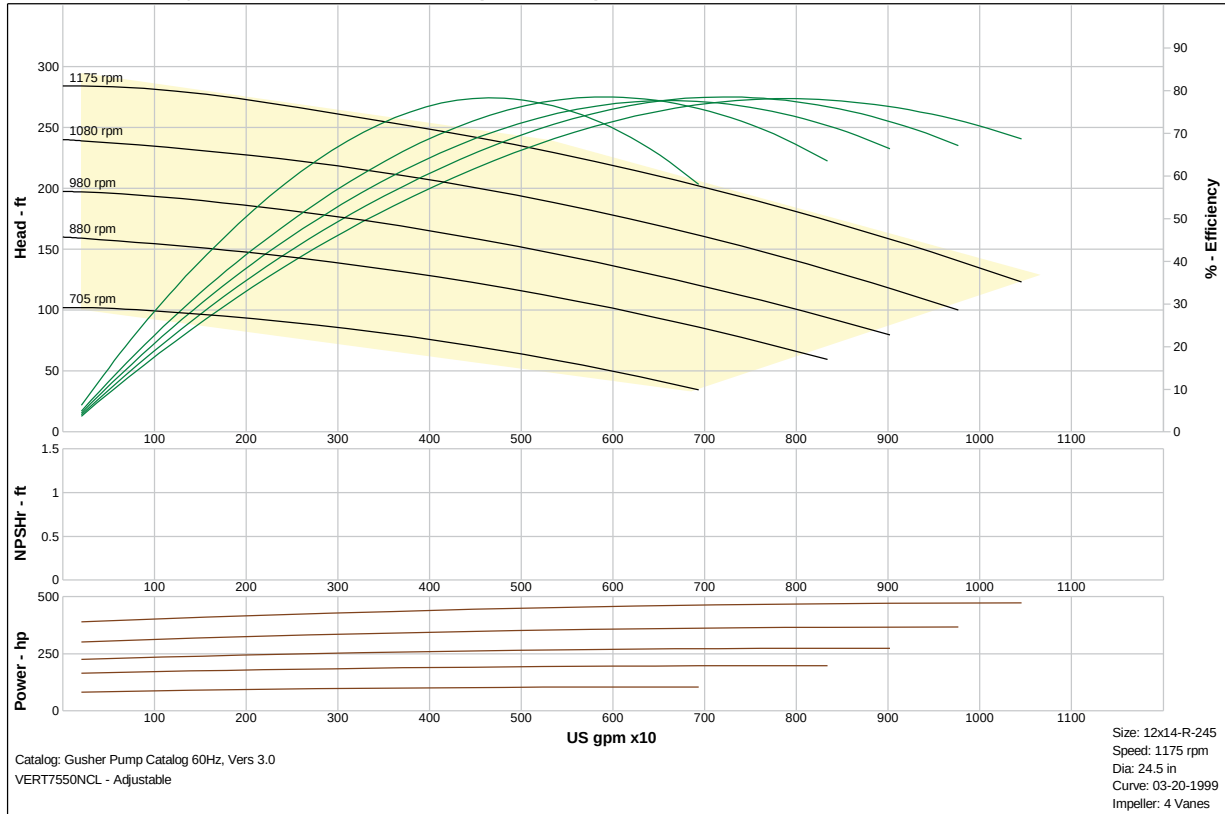


Vertical Heavy Duty Pumps

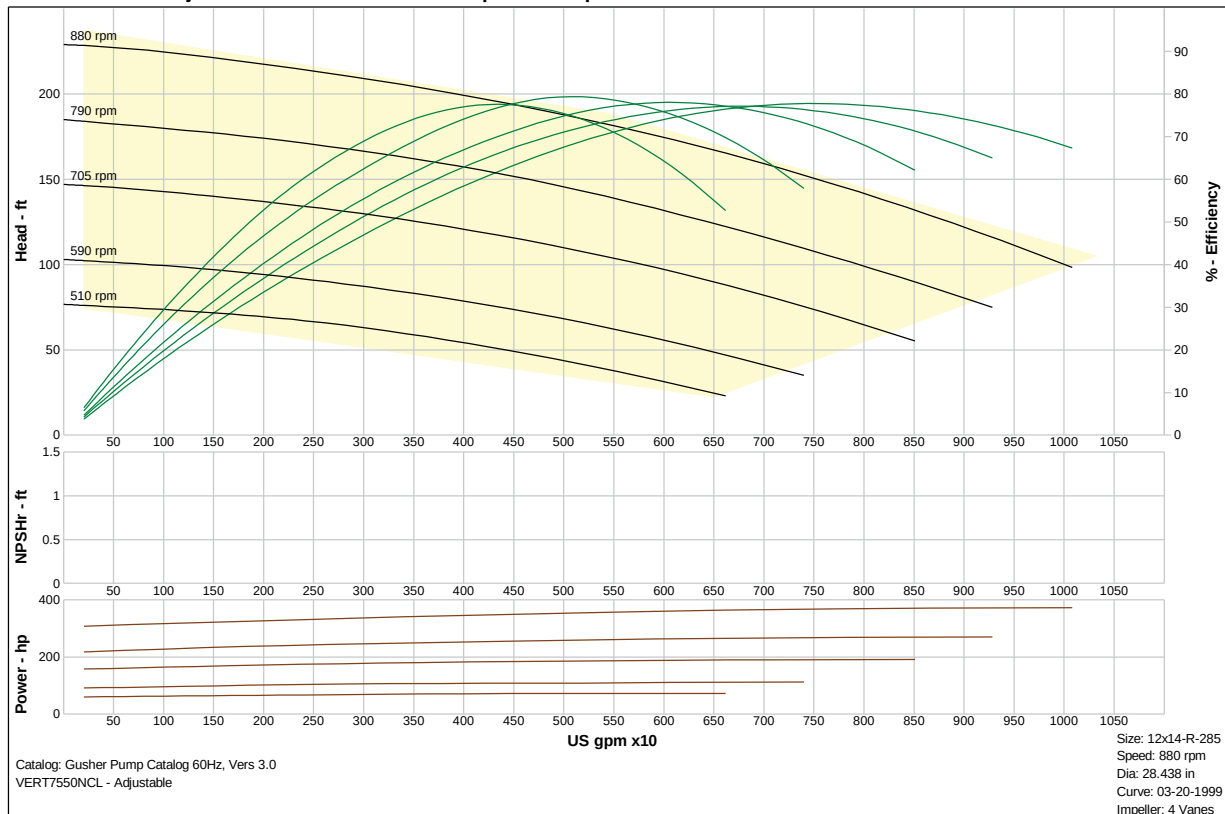
Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 12x14-R-245 Speed: 1175 rpm



VERT7550NCL - Adjustable Size: 12x14-R-285 Speed: 880 rpm



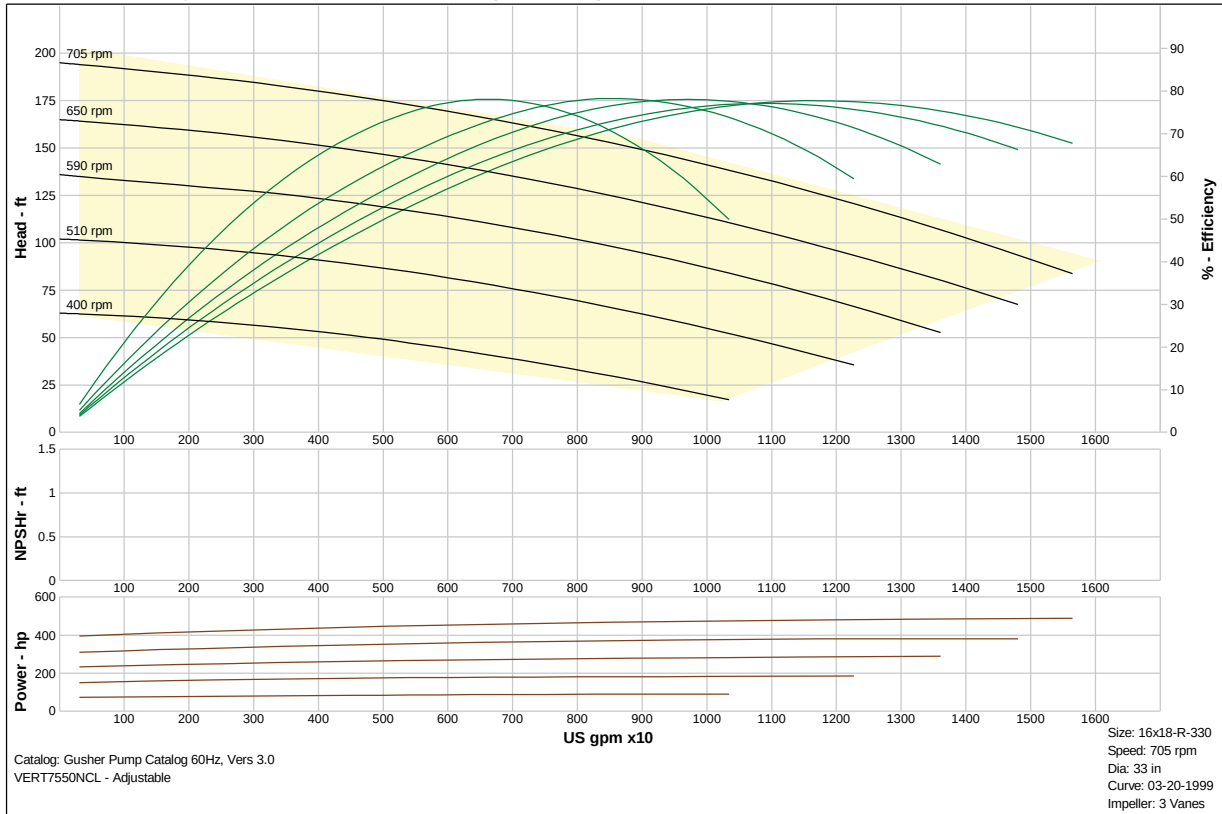


Vertical Heavy Duty Pumps

Slurry Cantilever

Pump Selection Curves

VERT7550NCL - Adjustable Size: 16x18-R-330 Speed: 705 rpm

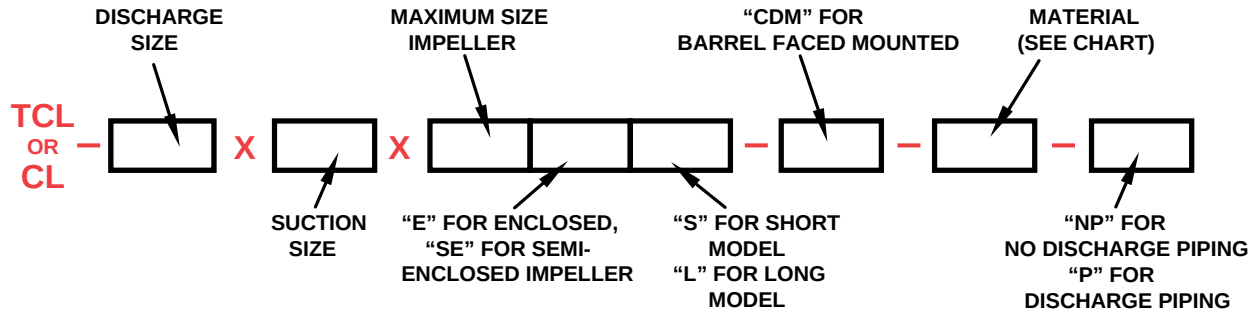




Vertical Heavy Duty Pumps

Ordering information

Order the Gusher Vertical Heavy Duty Pump to meet your needs by model number. The model number should be specified as follows...



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

Material Designation	Type	Description
A	All Iron	Cast Iron construction
B	Stainless Steel	316 Stainless Steel wetted parts
C	Stainless Steel Fitted	316 Stainless Steel shaft and impeller

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.

Contact Gusher



A RUTHMAN COMPANY

Corporate Headquarters
1212 Streg Street
Cincinnati, OH 45233
Phone: 513-559-1901
Fax: 513-559-0035
Web: www.gusher.com

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22 Ruthman Drive
Dry Ridge, KY 41035
Phone: 859-824-5001
Fax: 859-824-3011
Web: www.gusher.com

Gusher Pumps of Williamstown
115 Industrial Drive
Williamstown, KY 41097
Phone: 859-824-3100
Fax: 859-824-7248
Web: www.gusher.com



NATIONWIDE

Gusher Pumps of New Castle
403 North Ninth Street
New Castle, IN 47362
Phone: 765-529-5624
Fax: 765-521-0008
Email: www.gusherpump@insightbb.com

BSM Pump Corp.
180 Frenchtown Road
North Kingstown, RI 02852
Phone: 401-471-6350
Fax: 401-471-6370
Web: www.bsmpump.com

Great Lakes Pump & Supply Co.
1075 Naughton
Troy, MI 48083
Phone: 248-528-9100
Fax: 248-528-9015
Web: www.greatlakespump.com

Nagle Pumps
1249 Center Avenue
Chicago Heights, IL 60411
Phone: 708-754-2940
Fax: 708-754-2944
Web: www.naglepumps.com

Process Systems, Inc.
23633 Pinewood
Warren, MI 48091
Phone: 586-757-5711
Fax: 586-758-6996
Web: INFO@psi4pumps.com

Wagner Processing - Central Valley
3675 N. Wilcox Street #C
Stockton, CA 95215
Phone: 209-931-0100
Fax: 209-931-7910
Web: www.wagnerprocess.com

GLOBAL

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Northberger Strabe 60
Eschweiler Germany D-52249
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Web: www.ruthmannpumpen.de

Birmingham Pump
Unit 7 Network Park
Duddleston Mill Road
Saltley, Birmingham England B81AU
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Web: www.birminghampumps.co.uk

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Building D, Room 416
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