

VERTIFLO

The Vertical Pump Specialists

PUMPS FOR INDUSTRY

CONTENTS:

Introduction & User List

Product Overview

Vertical Process Pumps Series 600

Vertical Sewage Pumps Series 700

Vertical Sump Pumps Series 800

Vertical Vortex Pumps Series 900

Vertical Cantilever Pumps Series 1100 and 1200

**Horizontal End Suction
Pumps-Centrifugal Series 1300 and 1400**

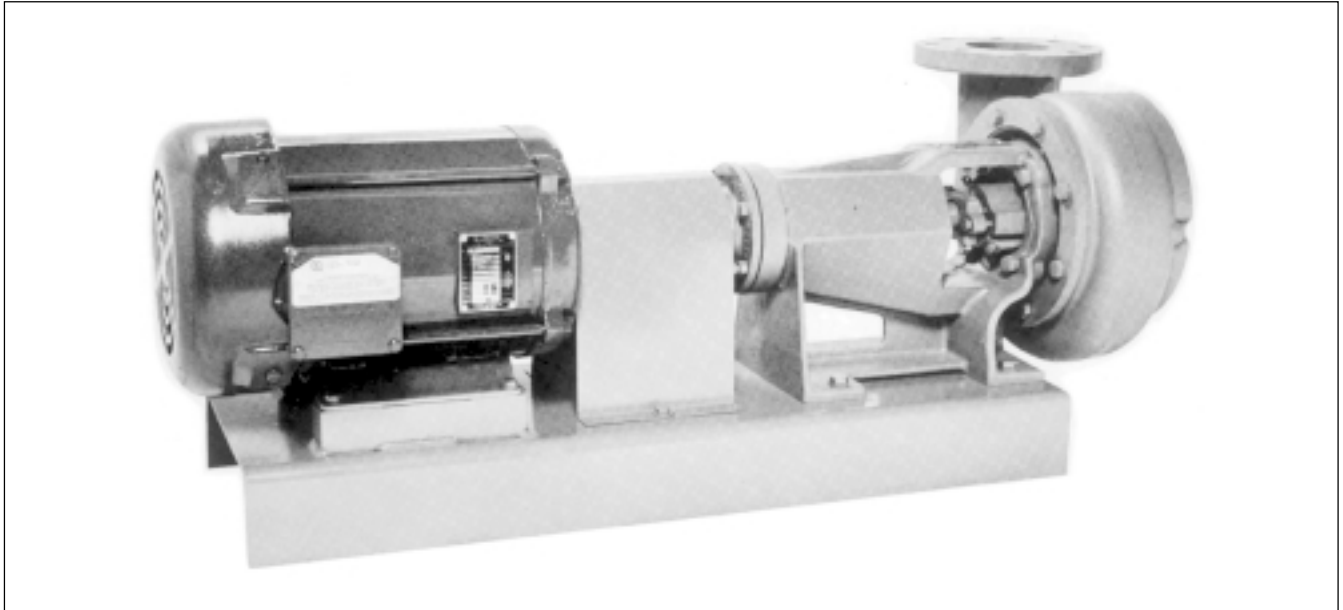
Horizontal End Suction
Pumps-Vortex Series 1500 and 1600

Horizontal Self-priming
Pumps- Centrifugal Series 2100

Engineering Sample Specifications

VERTIFLO SERIES 1400 Models 1420/1424

Quality Design Features Assure Long, Trouble-Free Service

**WIDE RANGE OF APPLICATIONS:**

- Industrial Process
- Pollution Control
- General Pumping
- Spray Systems
- Deionized Water
- Waste Water
- Clear Liquids
- Corrosive Liquids
- Chemicals
- Acids
- Water

CAPABILITIES

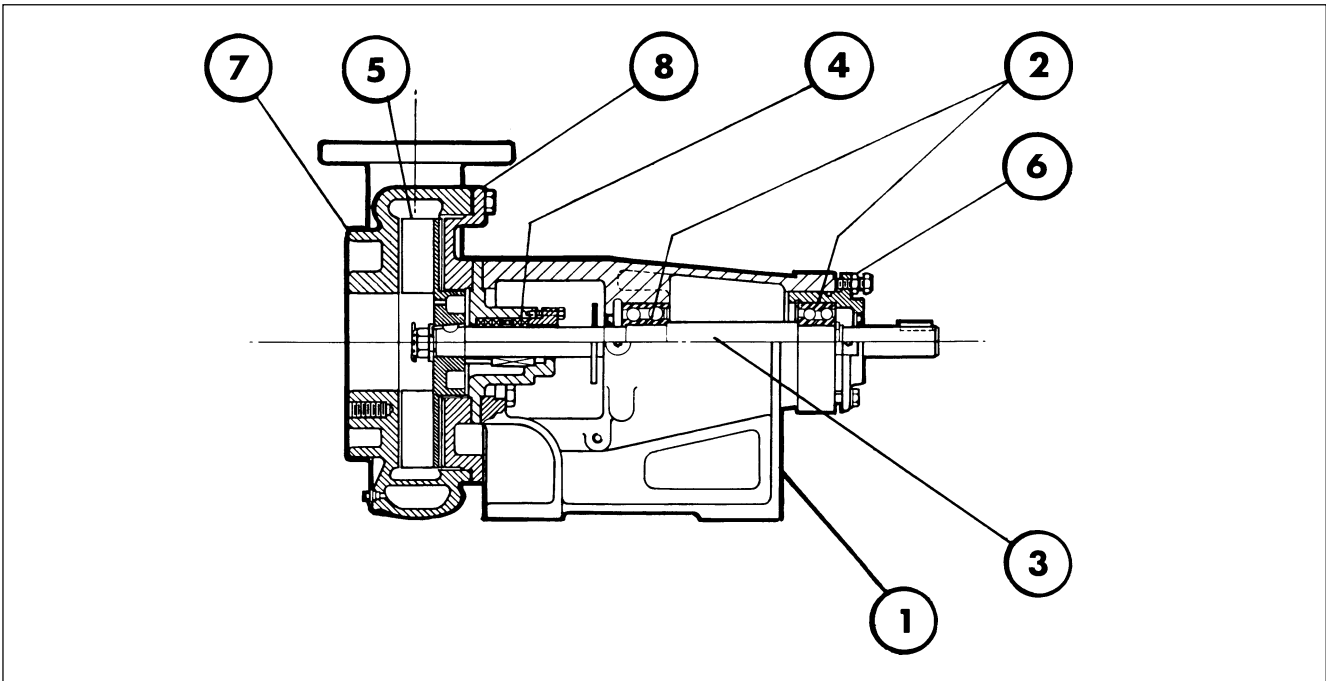
- Capacities to 1800 GPM
- Heads To 275 Feet TDH
- Temperature to 250° F
- Back Pull-Out Construction
- Semi-Open Impeller
- External Impeller Adjustment
- Packing or Mechanical Seal

CONSTRUCTION:

- Cast Iron
- 316 Stainless Steel Fitted
- All 316 Stainless Steel
- Alloy 20CD4MC_u

Series 1400 horizontal base-mounted end suction pumps are designed for use with any T or U frame motor, or with virtually any type of drive. VERTIFLO's base-mounted pumps are designed with back pull-out feature. This important feature allows for easy inspection or service/ maintenance (if ever needed) without disturbing the piping to the pump: an important cost saving feature.

Packing or various mechanical seal arrangements are available as standard options of this rugged, dependable product.



1. Power Frame

Rugged heavy duty cast iron design incorporating integrally cast support and ribbed mounting feet which assure a solid, dependable pump installation and operation. One frame fits all pump sizes. External impeller adjustment is standard. Grease lubrication of bearings is standard; oil lubrication available.

2. Bearings

Series 1400 contains a high capacity cartridge-mounted double row thrust bearing allowing use on high suction pressure applications. Radial bearing is single row or double row and floats in a precision bored housing.

3. Shaft

416 stainless steel, precision machined with preferred taper at impeller location. Positive attachment is provided with castellated impeller nut and cotter pin, which assures that the impeller will not back off the shaft if the pump is accidentally operated in reverse rotation. 316 stainless steel shaft is optional.

4. Shaft Sealing

Packed arrangement utilizes a 2-piece split gland, slinger, Teflon® split lantern ring and 5-ring packing set. Grease lubrication is standard with product or water flush available. Wide choice of John Crane and Durametallic mechanical seals of various configurations and materials are optional.

5. Impeller

Semi-open design which accommodates passage of solids or fines. All impellers have balance holes near the impeller hub which reduce thrust load and pressure in the packing or seal area. Wiping vanes reduce axial loading and prevent dirt from entering the sealing area. Impeller is keyed to shaft with a positive taper fit to assure perfect attachment.

6. Impeller Adjustment

Every power frame contains an external impeller adjustment utilizing jackscrews which provides for clearance adjustment between the impeller vanes' face and casing. This adjustment feature compensates for internal wear. Expensive casing and impeller wearing rings are eliminated.

7. Casing

High efficiency volute design. 4X3X10 and larger sizes are double volute, containing a splitter, which reduces bearing loading and shaft deflection; thus extending bearing and packing or mechanical seal life. All suction and discharge openings are flanged for installation ease and integrity.

8. Back Pull-Out

All pumps* are designed with back pull-out feature which allows for removal of all pump rotating components without disturbing the piping connections. *except size 2X1 1/2X12

E.I DuPont registered®

Standard

- All iron construction
- 416 stainless steel shaft
- Semi-open impeller
- Back pull-out design
- Packed stuffing box or mechanical seal
- External impeller adjustment
- Heavy duty power frame
- Regreaseable ball bearings
- Flanged suction and discharge on all sizes
- Flexible coupling
- Steel mounting base

Options

- 316 stainless steel shaft
- 316 stainless steel impeller
- All 316 stainless steel, alloy 20 or hastelloy construction (all wetted parts)
- Teflon® packing (standard in s.s. and alloy units)
- Single or double mechanical seal (various materials)
- Product or fresh water flush to packing or mechanical seal
- Oil lubricated bearings with sight level indicator
- Coupling guard (recommended)
- ODP, TEFC, XP motors
- Steam turbine drive
- Diesel or gasoline engine drive

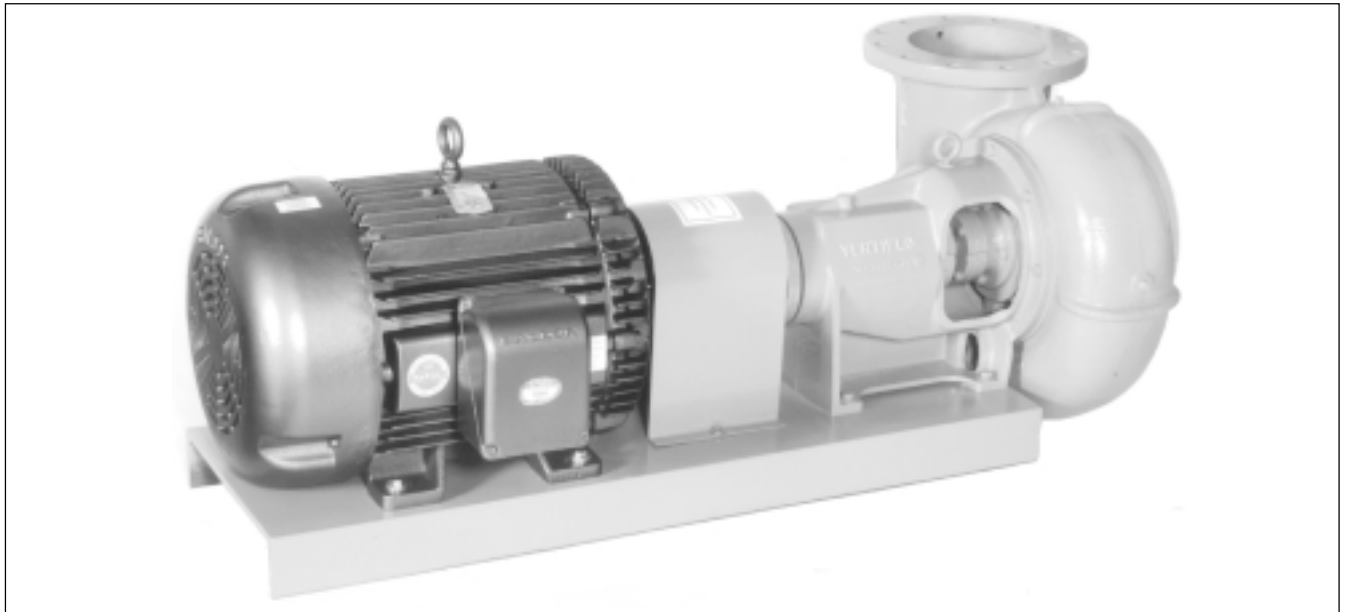
	Design Details	Model 1420	Model 1424
Pump Shaft	Rotation from driver end	CW	CW
	Diameter through stuffing box	1.250	1.500
	Diameter between bearings	1.750	1.750
	Diameter at coupling end	1.250	1.250
	Coupling key - square	0.250	0.250
	Bearing centers	6.692	6.692

VERTIFLO PUMP COMPANY

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VERTIFLO Model 1434

Quality Design Features Assure Long, Trouble-Free Service



WIDE RANGE OF APPLICATIONS:

- Industrial Process
- Waste Water
- Chemicals
- Deionized Water
- Pollution Control
- Solids Pumping
- General Water Pumping

CAPABILITIES

- Capacities to 3600 GPM
- Heads To 160 Feet
- Temperature to 250° F
- Back Pull-Out Construction
- Semi-Open Impeller
- External Impeller Adjustment
- Packing or Mechanical Seal

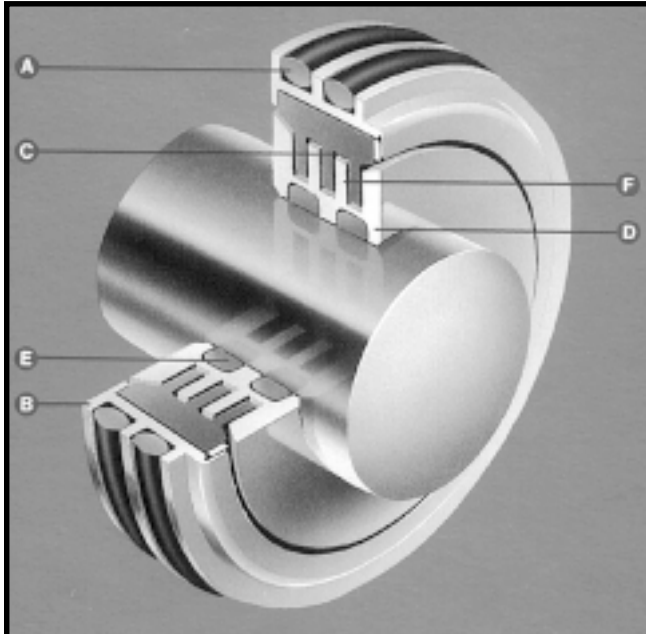
CONSTRUCTION:

- Cast Iron
- 316 Stainless Steel Fitted
- All 316 Stainless Steel
- Alloy 20

Model 1434 horizontal base-mounted end suction pumps are designed for use with any T or U frame motor, or with virtually any type of drive. VERTIFLO's base-mounted pumps are designed with back pull-out feature. This important feature allows for easy inspection or service/ maintenance (if ever needed) without disturbing the piping to the pump: an important cost saving feature.

Packing or various mechanical seal arrangements are available as standard options of this rugged, dependable product.

**John Crane Type 31 Series
Labri-Seal Bearing Protectors**



- A. Outer ring O-rings when space permits
- B. Stationary outer ring
- C. Inward projecting PTFE "fingers"
- D. Moving/free-floating inner ring
- E. Shaft-side inner ring O-rings
- F. Outward projecting stainless steel "fingers"

- Exclusive "finger-locking" design traps and blocks oil leakage.
- Stationary outer ring projects special PTFE composition "fingers" inward. They mesh perfectly with outward projecting steel "fingers" of moving/free floating inner ring. The flexible labyrinth blocks bearing oil. Leakage is virtually *zero*. Drag is virtually *zero*.
- Contamination threats from outside are blocked, too.

VERTIFLO Feature Selector

Standard

- All iron construction
- 416 stainless steel shaft
- Semi-open impeller
- 316 stainless steel shaft sleeve
- Back pull-out design
- Packed stuffing box or mechanical seal
- External impeller adjustment
- Heavy duty power frame
- Regreaseable ball bearings
- Flanged suction and discharge on all sizes
- Dual volute casing 6x4x12 and larger

Options

- Labri-seal bearing protectors
- 316 stainless steel shaft
- 316 stainless steel impeller
- All 316 stainless steel or alloy 20 construction (all wetted parts)
- Teflon® packing (standard in s.s. and alloy units)
- Single or double mechanical seal (various materials)
- Product or fresh water flush to packing or mechanical seal
- Oil lubricated bearings with sight level indicator
- Coupling guard (recommended)
- ODP, TEFC, XP motors
- Flexible coupling
- Steel mounting base
- Cartridge mechanical seal

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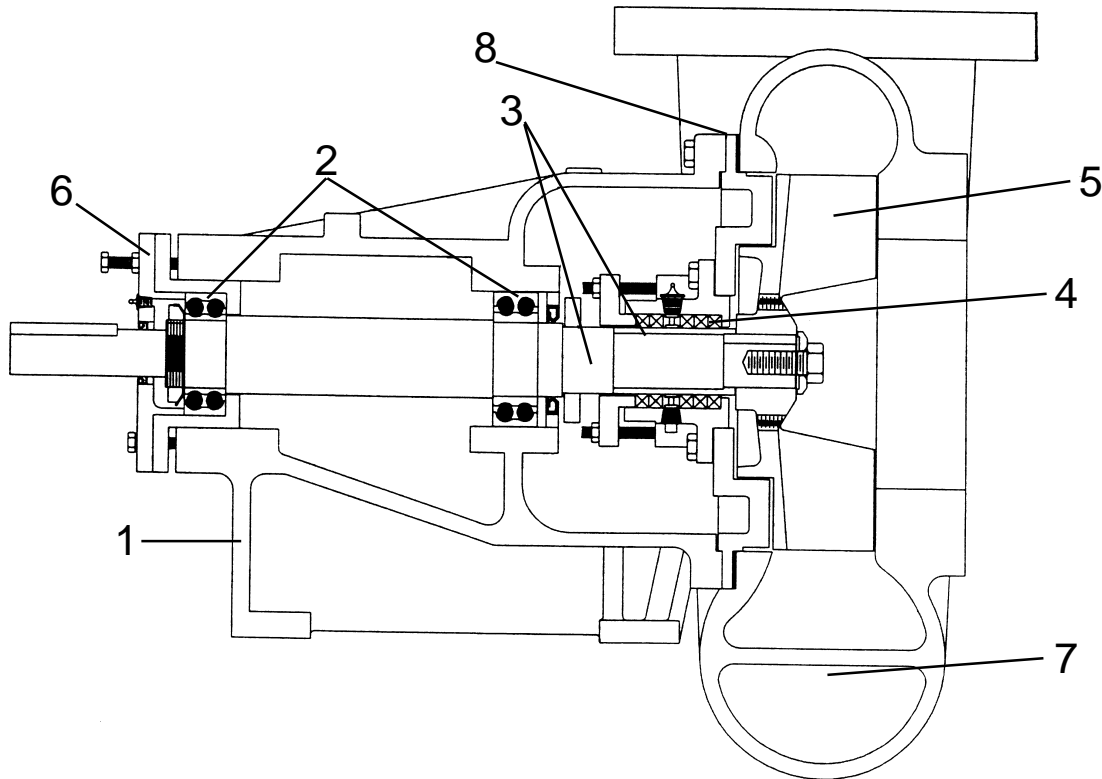
Design Details

Pump Shaft

- Rotation from driver end
- Diameter over shaft sleeve
- Diameter between bearings
- Diameter at coupling end
- Coupling key - square
- Bearing centers

Model 1434

- CW
- 2.125
- 2.500
- 1.500
- 0.375
- 9.750



1. Power Frame

Rugged heavy duty cast iron design incorporating integrally cast support and ribbed mounting feet which assure a solid, dependable pump installation and operation. One frame fits all pump sizes. External impeller adjustment is standard. Grease lubrication of bearings is standard; oil lubrication available.

2. Bearings

Model 1434 contain a high capacity cartridge-mounted double row thrust bearing allowing use on high suction pressure applications. Radial bearing is double row and floats in a precision bored housing.

3. Shaft and Shaft Sleeve

A 416 stainless steel shaft is standard with a 316 stainless steel shaft sleeve. A 316 stainless steel shaft is optional.

4. Shaft Sealing

Packed arrangement utilizes a 2-piece split gland, slinger, Teflon® split lantern ring and 5-ring packing set. Grease lubrication is standard with product or water flush available. Wide choice of John Crane and Durametallic mechanical seals of various configurations and materials. Oversized seal housing is ready to adapt for cartridge-type mechanical seal.

5. Impeller

Semi-open design which accommodates passage of solids or fines. All impellers have balance holes near the impeller hub which reduce thrust load and pressure in the packing or seal area. All impellers have a balancing ring. Impeller is keyed to shaft.

6. Impeller Adjustment

Power frame contains an external impeller adjustment which provides for clearance adjustment between the impeller vanes' face and casing. This adjustment feature compensates for internal wear. Expensive casing and impeller wearing rings are eliminated.

7. Casing

High efficiency volute design. Sizes, 6 x 4 x 12 and larger, are double volute, containing a splitter, which reduces bearing loading and shaft deflection; thus extending bearing and packing or mechanical seal life. All suction and discharge openings are flanged for installation ease and integrity.

8. Back Pull-Out

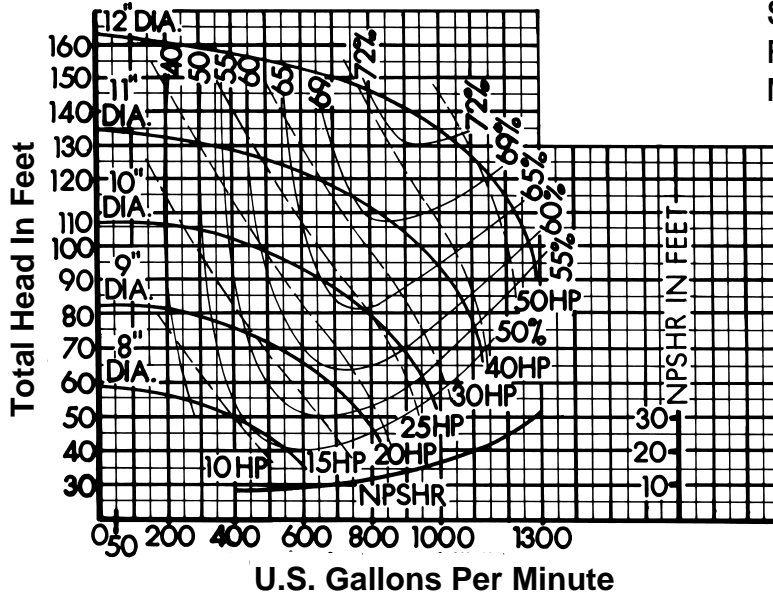
All pumps are designed with back pull-out feature which allows for removal of all pump rotating components without disturbing the piping connections.

E. I DuPont registered®

VERTIFLO PUMP COMPANY Performance Curves

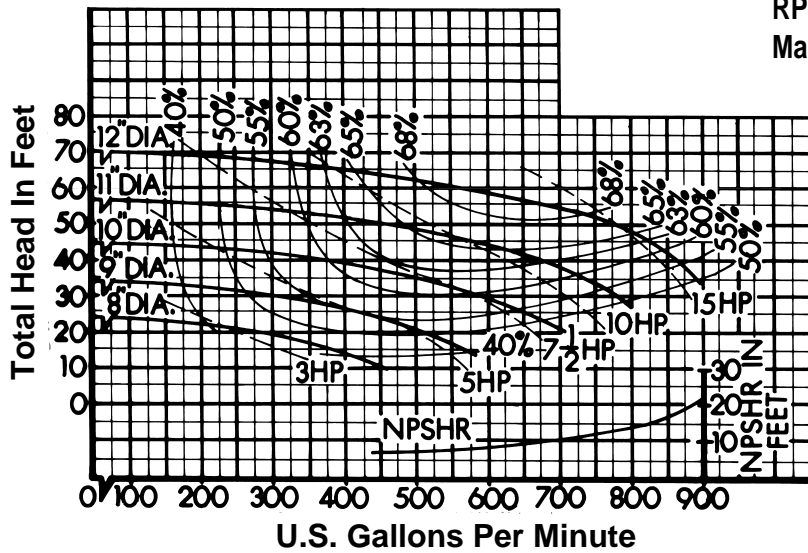
Curve 64124

Model 1434
 Size 6 X 4 X 12
 RPM 1750
 Max Sphere 1 1/2



Curve 64126

Model 1434
 Size 6 X 4 X 12
 RPM 1150
 Max Sphere 1 1/2



Performance at Casing Discharge Flange

Curves Show Performance with Liquid Having Specific Gravity 1.0 Viscosity • 30 SSU

CUSTOMER _____ CUSTOMER NO. _____

PROJECT _____

ENGINEER _____

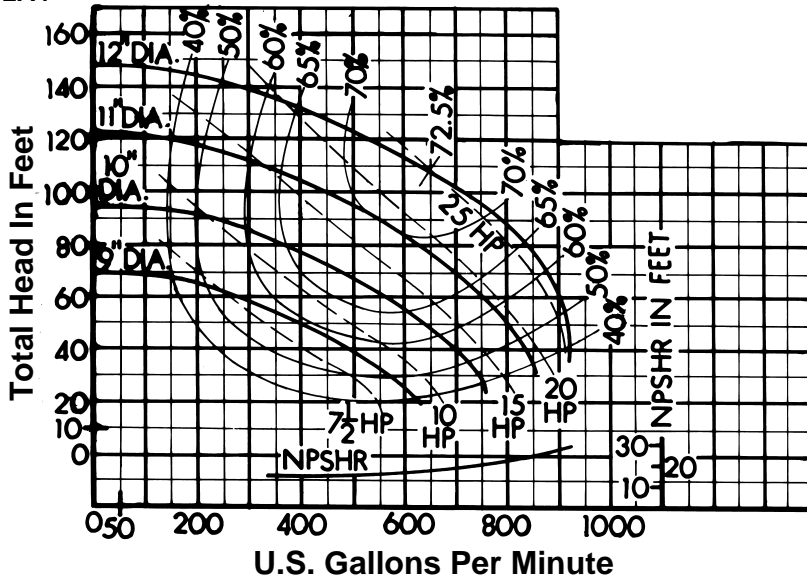
CONTRACTOR _____

CONDITIONS: _____ GPM _____ TDH _____ HP _____ EFF% _____ IMP. DIA _____

VERTIFLO PUMP COMPANY Performance Curves

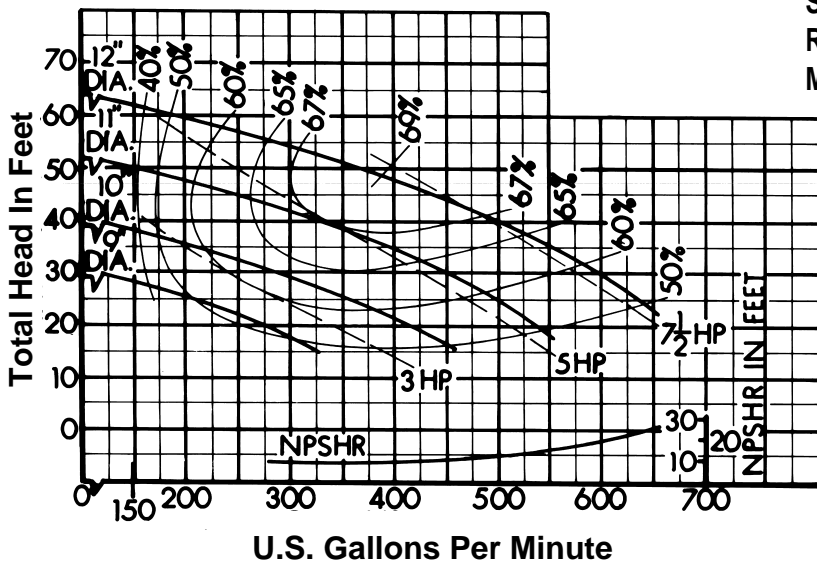
Curve 6412A4

Model 1434
 Size 6 X 4 X 12A
 RPM 1750
 Max Sphere 1 1/8



Curve 6412A6

Model 1434
 Size 6 X 4 X 12A
 RPM 1150
 Max Sphere 1 1/8



Performance at Casing Discharge Flange

Curves Show Performance with Liquid Having Specific Gravity 1.0 Viscosity • 30 SSU

CUSTOMER _____ CUSTOMER NO. _____

PROJECT _____

ENGINEER _____

CONTRACTOR _____

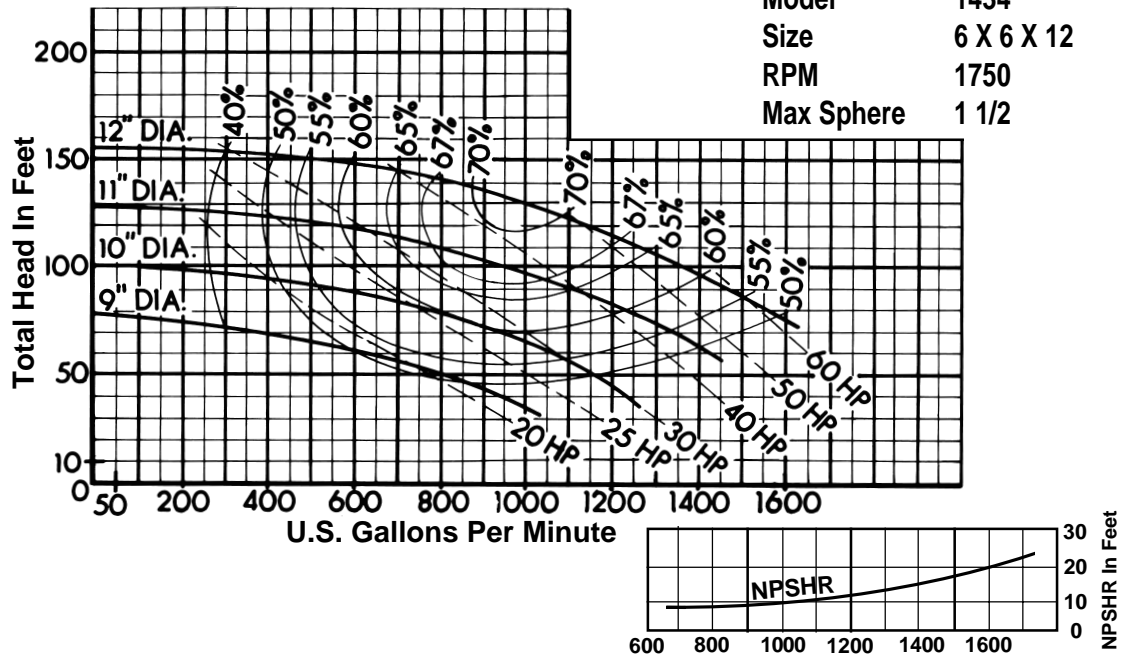
CONDITIONS: _____ GPM _____ TDH _____ HP _____ EFF% _____ IMP. DIA _____

1400

VERTIFLO PUMP COMPANY Performance Curves

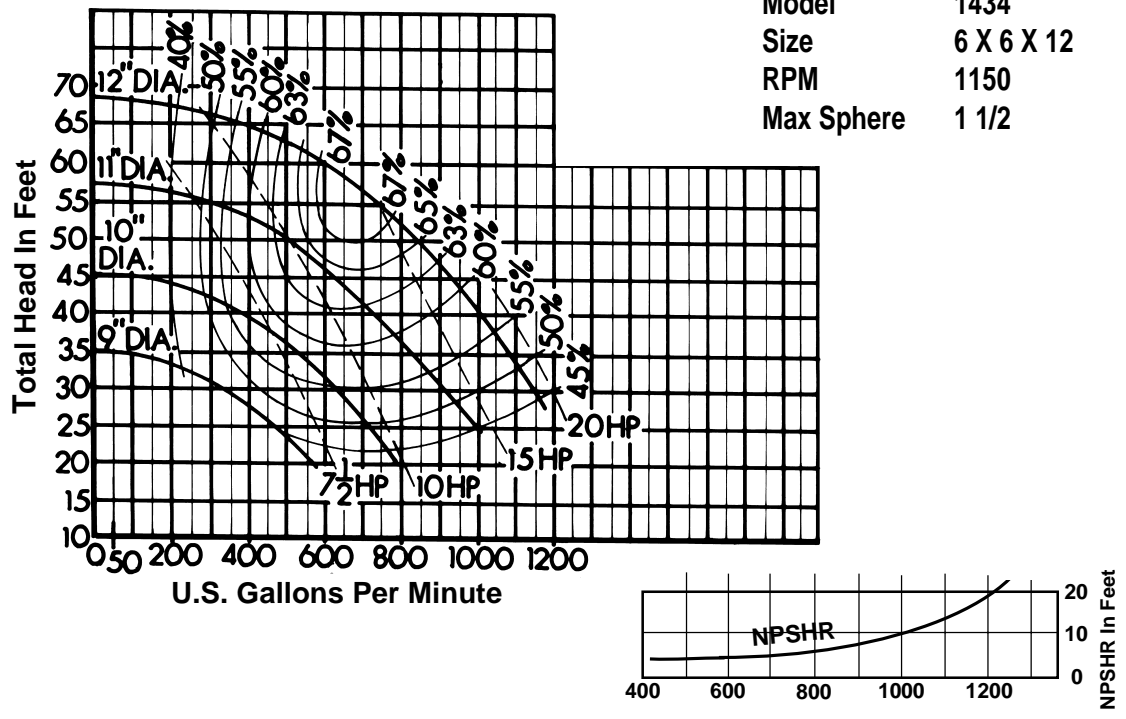
Curve 66124

Model 1434
 Size 6 X 6 X 12
 RPM 1750
 Max Sphere 1 1/2



Curve 66126

Model 1434
 Size 6 X 6 X 12
 RPM 1150
 Max Sphere 1 1/2



Performance at Casing Discharge Flange

Curves Show Performance with Liquid Having Specific Gravity 1.0 Viscosity • 30 SSU

CUSTOMER _____ CUSTOMER NO. _____

PROJECT _____

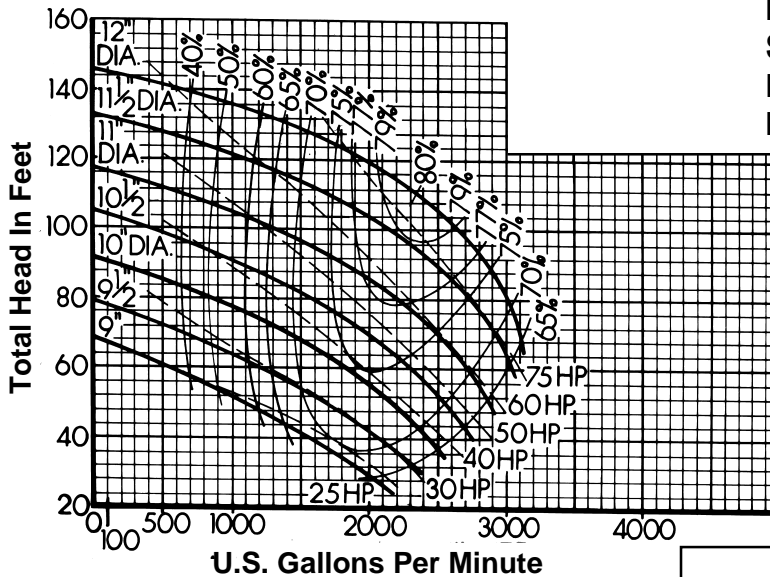
ENGINEER _____

CONTRACTOR _____

CONDITIONS: _____ GPM _____ TDH _____ HP _____ EFF% _____ IMP. DIA _____

VERTIFLO PUMP COMPANY Performance Curves

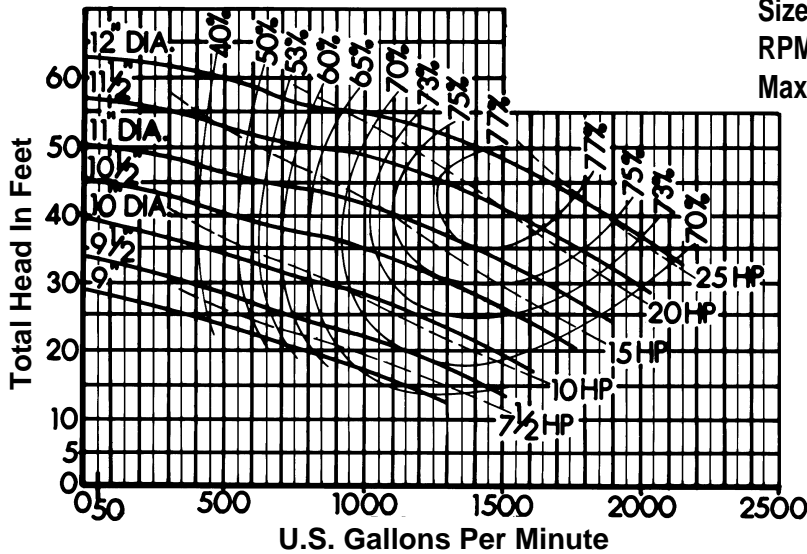
Curve 88124



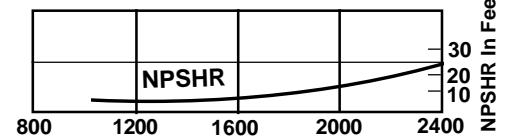
Model 1434
 Size 8 X 8 X 12
 RPM 1750
 Max Sphere 1 1/2



Curve 88126



Model 1434
 Size 8 X 8 X 12
 RPM 1150
 Max Sphere 1 1/2



Performance at Casing Discharge Flange

Curves Show Performance with Liquid Having Specific Gravity 1.0 Viscosity • 30 SSU

CUSTOMER _____ CUSTOMER NO. _____

PROJECT _____

ENGINEER _____

CONTRACTOR _____

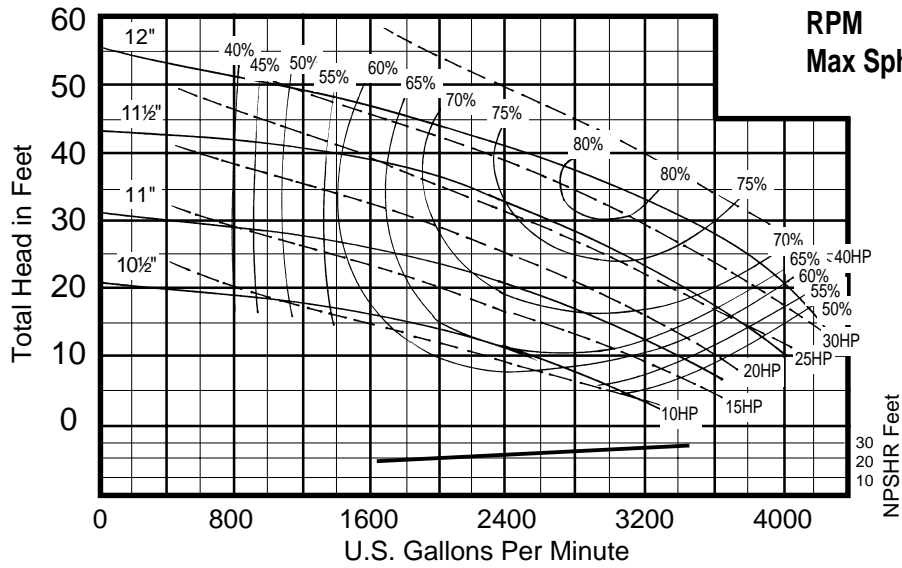
CONDITIONS: _____ GPM _____ TDH _____ HP _____ EFF% _____ IMP. DIA _____

1400

VERTIFLO PUMP COMPANY Performance Curves

Curve 101012

Model 1434
 Size 10 X 10 X 12
 RPM 1150
 Max Sphere 1 5/8



Performance at Casing Discharge Flange

Curves Show Performance with Liquid Having Specific Gravity 1.0 Viscosity • 30 SSU

CUSTOMER _____ CUSTOMER NO. _____

PROJECT _____

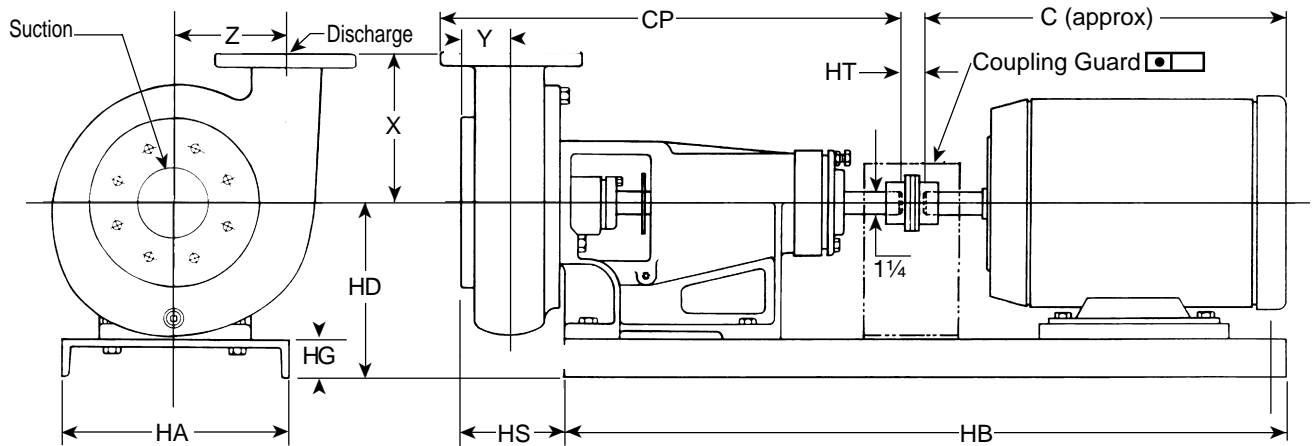
ENGINEER _____

CONTRACTOR _____

CONDITIONS: _____ GPM _____ TDH _____ HP _____ EFF% _____ IMP. DIA _____

VERTIFLO PUMP COMPANY Dimensions

1400 Series - Base-Mounted Models 1420/1424



1400

Not for construction unless certified, some dimensions may vary $\pm 1/2"$. Pump Construction: _____

CUSTOMER _____				CUSTOMER NO. _____			
PROJECT _____				SERIAL NO. _____			
ENGINEER _____				LOCATION _____			
CONTRACTOR _____							
PUMP Model	Size	Curve No.	GPM	Head	SP. GR.	@Temp.	
DATA _____	_____	_____	_____	_____	_____	_____	
MOTOR Mfgr.	HP	RPM	Volt-Phase-Cycle	Frame	ENC.	Furnished by	Mounted by
DATA _____	_____	_____	_____	_____	_____	_____	_____
Shop Order _____			Certified by _____			Date _____	

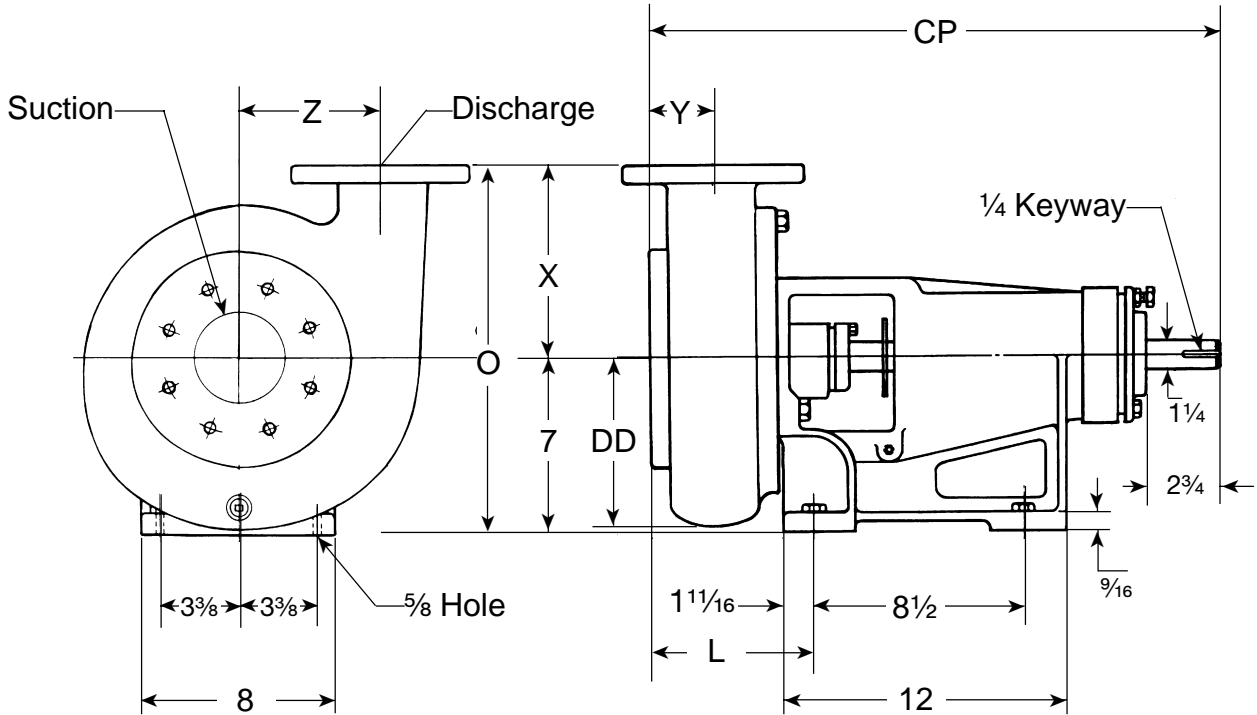
VERIFLO PUMP COMPANY Models 1420 / 1424

Liquid End	SUCTION FLANGE						DISCHARGE FLANGE						X	Y	Z	CP	HS	DD	L	O
	FLG. Size	DIA. FLG.	# of Holes	Tap	Hole DIA.	Bolt Circle DIA.	FLG. Size	DIA FLG.	# of Holes	Hole DIA.	Bolt Circle DIA.									
3x2½x7	3	7½	4	⅝-11		6	2½	7	4	¾	5½	6¼	2⅝	4¾	22¾	5¼	5½	6¹⁵⁄₁₆	13¼	
1½x1x8	1½	5	4	½-13		¾	1	4¼	4	⅝	3⅝	6	1⅝	4½	21½	4	5¼	5¹¹⁄₁₆	13	
1½x1¼x8	1½	5	4	½-13		¾	1¼	4⅝	4	¾	4¾	5¾	1⅞	4¾	20¹⁄₁₆	4¼	5¼	4¼	12¾	
2x1½x8	2	6	4	⅝-11		4¾	1½	5	4	⅞	3⅞	5¾	2	4¾	22	4½	5⅝	6³⁄₁₆	12¾	
3x2x8	2½	7	4	⅝-11		5½	2	6	4	¾	4¾	6¼	2⅞	4¾	22¼	4¾	5¾	6⁷⁄₁₆	13¼	
4x3x8	4	9	8	⅝-11		7½	3	7½	4	¾	6	7	2¾	5¼	23⅝	5⅝	6	7⁵⁄₁₆	14	
5x4x8	5	10	8	¾-10		8½	4	9	8	¾	7½	7	2⅞	6	23½	6	7⅞	7¹¹⁄₁₆	14	
2x1½x10	2	6	4	⅝-11		4¾	1½	5	4	⅝	3⅞	6½	2	5¾	21⅞	4⅝	6⅝	6¹⁄₁₆	13½	
3x2x10	3	7½	4	⅝-11		6	2	6	4	¾	4¾	7	2³⁄₁₆	5¾	22¼	4¾	6½	6⁷⁄₁₆	14	
4x3x10	4	9	8	⅝-11		7½	3	7½	4	¾	6	8⅝	2⅝	6¼	22¾	5¼	7	6¹⁵⁄₁₆	15	
5x4x10	5	10	8	¾-10		8½	4	9	8	¾	7½	9	2¾	6½	23⅝	5⅞	7½	7⁹⁄₁₆	16	
6x5x10	6	11	8	¾-10		9½	5	10	8	⅞	8½	9	2¹³⁄₁₆	7⅞	23½	6	8⅝	7¹¹⁄₁₆	16	
6x5x10A	6	11	8	¾-10		9½	5	10	8	⅞	8½	9	2¹³⁄₁₆	7⅞	23½	6	8⅝	7¹¹⁄₁₆	16	
6x6x10	6	11	8	¾-10		9½	6	11	8	⅞	9½	9	2¹⁵⁄₁₆	8	23¾	6¼	10	7¹⁵⁄₁₆	16	
6x6x10A	6	11	8	¾-10		9½	6	11	8	⅞	9½	9	2¹⁵⁄₁₆	8	23¾	6¼	10	7¹⁵⁄₁₆	16	
2X1½x12	2	6	4		¾	4⅝	1½	5	4	⅝	3⅞	7½	3¼	6¾	23½	6	7⅞	7¹¹⁄₁₆	14½	
3x2x12	3	7½	4	⅝-11		6	2	6	4	¾	4¾	9½	2⁹⁄₁₆	5	22¹⁄₁₆	5⅞	7¾	6¼	16½	
4x3x12	4	9	8	⅝-11		7½	3	7½	4	¾	6	8½	2½	7⅞	21¹¹⁄₁₆	5½	8⁹⁄₁₆	5⅞	15½	
6x4x12	6	11	8	¾-10		9½	4	9	8	¾	7½	9	2¾	7¾	22³⁄₁₆	6	9	6⅝	16	
6x6x12	6	11	8	¾-10		9½	6	11	8	⅞	9½	9	3¼	8⅝	22¹⁵⁄₁₆	6¾	9⅞	7⅞	16	

Frame No.	143T	145T	182T	184T	213T	215T	254T	256T	284TS	284T	286TS	286T	324TS	324T	326T	326TS	364TS	364T	365TS	365T
HA	12	12	12	12	12	12	15	15	15	15	15	15	18	18	18	18	18	18	18	18
HB	36	36	36	36	36	36	44	44	44	44	44	44	48	48	48	48	48	48	48	48
C	13⅝	13⅝	14⅝	15⅝	17¼	19¼	22⅞	24⅝	24½	25⅞	26	27⅞	27¼	28¾	28¾	30¼	31	33⅝	32	34⅝
HD	10	10	10	10	10	10	10⅝	10⅝	10⅝	10⅝	10⅝	10⅝	12	12	12	12	13	13	13	13
HG	3	3	3	3	3	3	3⅝	3⅝	3⅝	3⅝	3⅝	3⅝	4	4	4	4	4	4	4	4
HT	¾	¾	¾	¾	¾	¾	1	1	1	1	1	1	1	1	1	1	1	1	1	1

VERTIFLO PUMP COMPANY Dimensions

**1400 Series - Pump Only
Models 1420/1424**



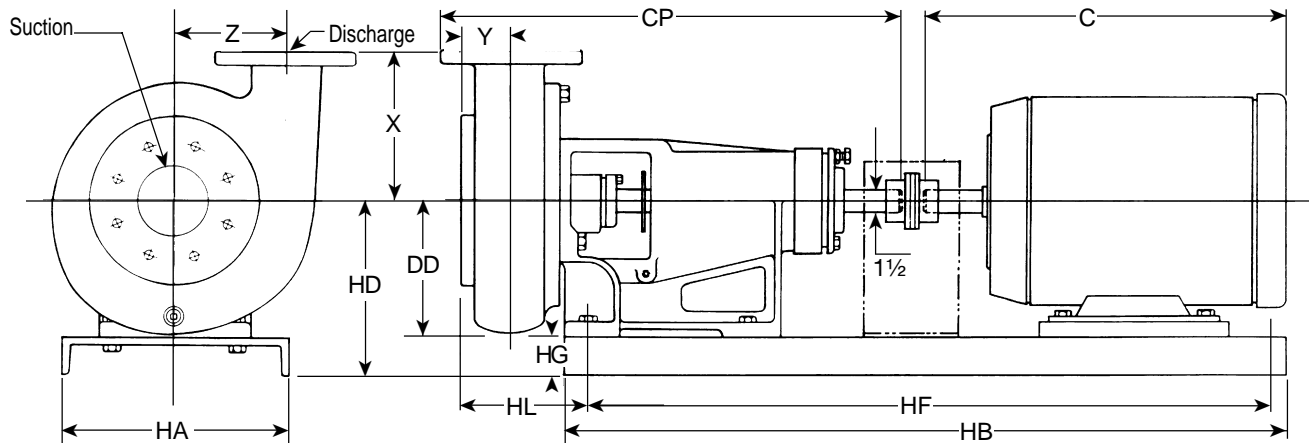
1400

Not for construction unless certified, some dimensions may vary $\pm 1/2"$. Pump Construction: _____

CUSTOMER _____ CUSTOMER NO. _____
 PROJECT _____ SERIAL NO. _____
 ENGINEER _____ LOCATION _____
 CONTRACTOR _____
 PUMP Model _____ Size _____ Curve No. _____ GPM _____ Head _____ SP. GR. @Temp. _____
 DATA _____
 MOTOR Mfgr. _____ HP _____ RPM _____ Volt-Phase-Cycle _____ Frame ENC. _____ Furnished by _____ Mounted by _____
 DATA _____
 Shop Order _____ Certified by _____ Date _____

VERIFLO PUMP COMPANY Dimensions

1400 Series - Base-Mounted Model 1434



Pump Size	SUCTION				DISCHARGE				X	Y	Z	CP	DD	HS
	Size	DIA. FLG.	Bolts	BC	Size	DIA. FLG.	Bolts	BC.						
6x4x12	6	11	8-3/4	9 1/2	4	9	8-5/8	7 1/2	9	2 3/4	7 3/4	28 1/8	9	7 1/8
6x4x12A	6	11	8-3/4	9 1/2	4	9	8-5/8	7 1/2	9	2 3/4	7 3/4	28 1/8	9	7 1/8
6x6x12	6	11	8-3/4	9 1/2	6	11	8-3/4	9 1/2	9	3 1/4	8 3/8	28 7/8	10 1/4	7 7/8
8x8x12	8	13 1/2	8-3/4	11 3/4	8	13 1/2	8-3/4	11 1/4	11	4 1/2	10 1/2	30 3/8	13 3/8	9 3/8
10x10x12	10	16	12-7/8	14 1/4	10	16	12-7/8	14 1/4	11	5 1/2	10 5/8	32 3/8	13 3/4	11 3/8

Frame Size	213T	215T	254T	256T	284TS	284T	286TS	286T	324TS	324T	326TS	326T	364TS	364T	365TS	365T	404TS	404T	405TS	405T
C	17 3/4	19 1/4	22 7/8	24 5/8	24 1/2	25 7/8	26	27 3/8	27 1/4	28 3/4	28 3/4	30 1/4	31	33 3/8	32	34 7/8	34 1/4	37 1/4	36	38 7/8
HA	15	15	15	15	15	15	15	15	18	18	18	18	18	18	18	18	25	25	25	25
HB	40	40	43	47	47	47	47	47	51	51	51	51	51	51	51	51	50	57	50	57
HD	12 3/8	12 3/8	12 3/8	12 3/8	12 3/8	12 3/8	12 3/8	12 3/8	13	13	13	13	13	13	13	13	15 1/2	15 1/2	15 1/2	15 1/2
HD 8x8x12	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	15	15	15	15	15	15	15	15	15 1/2	15 1/2	15 1/2	15 1/2
HD 10x10x12	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	14 3/8	15	15	15	15	15	15	15	15	15 1/2	15 1/2	15 1/2	15 1/2
HF	37 1/2	37 1/2	40 1/2	44 1/2	44 1/2	44 1/2	44 1/2	44 1/2	48 1/2	48 1/2	48 1/2	48 1/2	48 1/2	48 1/2	48 1/2	48 1/2	47	54	47	54
HG	3 3/8	3 3/8	3 3/8	3 3/8	3 3/8	3 3/8	3 3/8	3 3/8	4	4	4	4	4	4	4	4	4 1/2	4 1/2	4 1/2	4 1/2

Performance at Casing Discharge Flange

Curves Show Performance with Liquid Having Specific Gravity 1.0 Viscosity • 30 SSU

CUSTOMER _____ CUSTOMER NO. _____

PROJECT _____

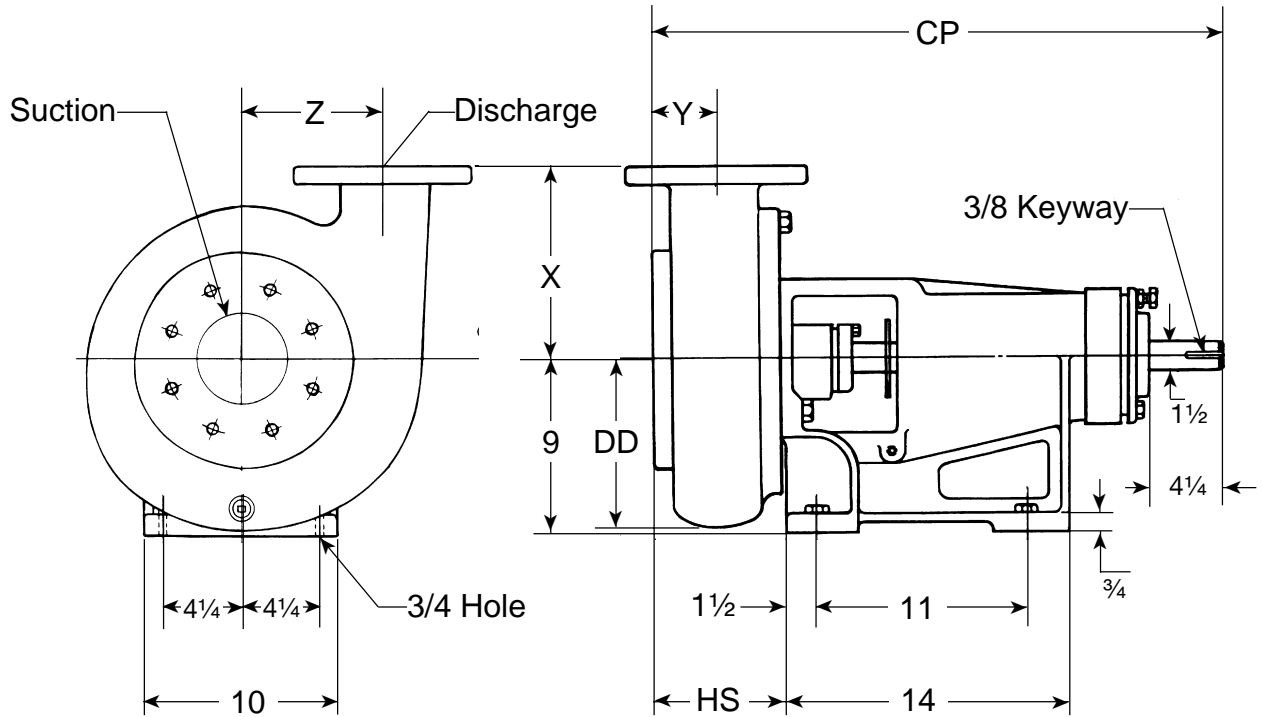
ENGINEER _____

CONTRACTOR _____

CONDITIONS: _____ GPM _____ TDH _____ HP _____ EFF% _____ IMP. DIA _____

VERTIFLO PUMP COMPANY Dimensions

Model 1434 - Pump Only



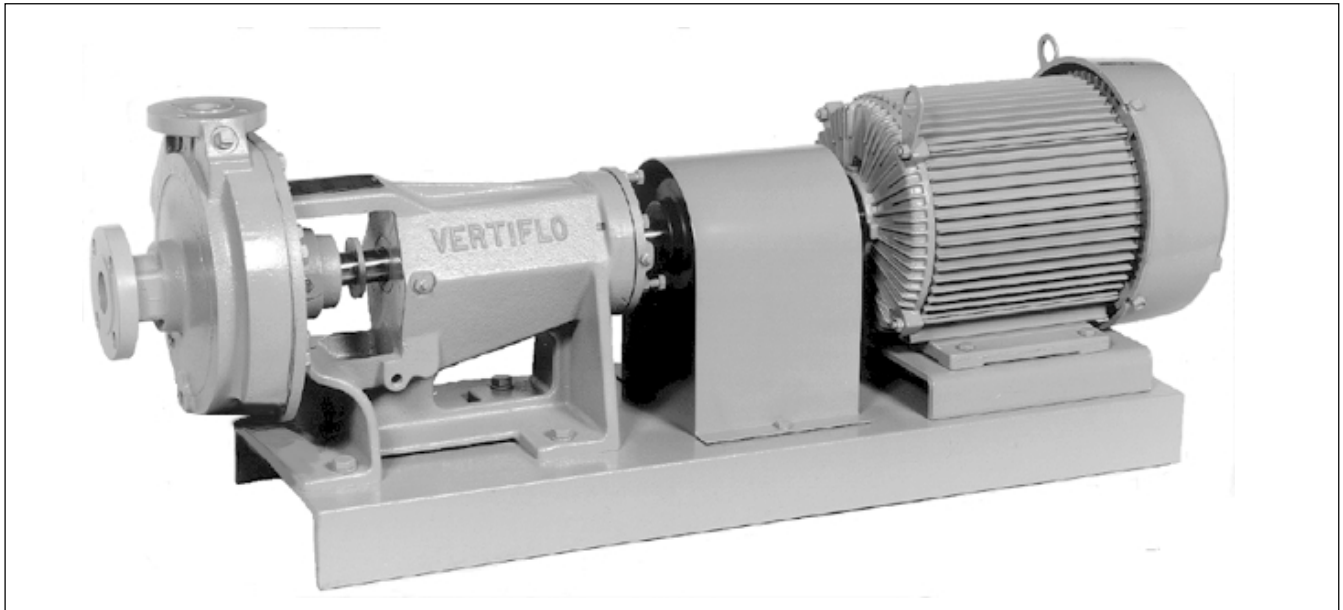
1400

Not for construction unless certified, some dimensions may vary $\pm 1/2"$. Pump Construction: _____

CUSTOMER _____	CUSTOMER NO. _____						
PROJECT _____	SERIAL NO. _____						
ENGINEER _____	LOCATION _____						
CONTRACTOR _____							
PUMP Model _____	Size _____	Curve No. _____	GPM _____	Head _____	SP. GR. @Temp. _____	Pump Length _____	Plate _____
DATA _____							
MOTOR Mfr. _____	HP _____	RPM _____	Volt-Phase-Cycle _____	Frame _____	ENC. _____	Furnished by _____	Mounted by _____
DATA _____							
Shop Order _____	Certified by _____	Date _____					

VERTIFLO Model 1400LF

Quality Design Features Assure Long, Trouble-Free Service

**WIDE RANGE OF APPLICATIONS:**

- Boiler Feed
- Condensate
- Chemical Process
- Washdown
- Spray Washers

*Also available as
vertical wet pit pump*

CAPABILITIES

- Capacities to 50 GPM
- Heads To 345 Feet TDH
- Temperature to 250° F
- Back Pull-Out Construction
- Radial Vane Impeller
- External Impeller Adjustment
- Packing or Mechanical Seal

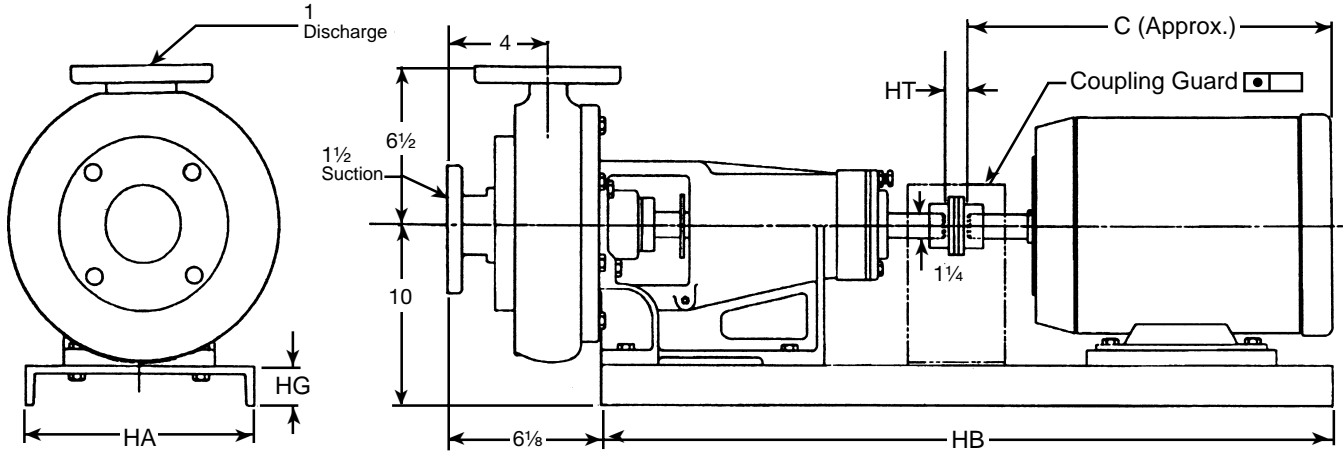
CONSTRUCTION:

- Ductile Iron
- Bronze Fitted
- 316 Stainless Steel Fitted
- All 316 Stainless Steel

Series 1400 horizontal base-mounted end suction pumps are designed for use with any T or U frame motor, or with virtually any type of drive. VERTIFLO's base-mounted pumps are designed with back pull-out feature. This important feature allows for easy inspection or service/ maintenance (if ever needed) without disturbing the piping to the pump: an important cost saving feature.

Packing or various mechanical seal arrangements are available as standard options of this rugged, dependable product.

VERTIFLO PUMP COMPANY



1400LF Dimensions

Frame No.	143T	145T	182T	184T	213T	215T	254T	256T	284TS	284T
HA	12	12	12	12	12	12	15	15	15	15
HB	36	36	36	36	36	36	44	44	44	44
C	13 ¹ / ₈	13 ¹ / ₈	14 ⁵ / ₈	15 ⁵ / ₈	17 ³ / ₄	19 ¹ / ₄	22 ⁷ / ₈	24 ⁵ / ₈	24 ¹ / ₂	25 ⁷ / ₈
HG	3	3	3	3	3	3	3 ³ / ₈	3 ³ / ₈	3 ³ / ₈	3 ³ / ₈
HT	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1	1

1400LF Performance Curve

