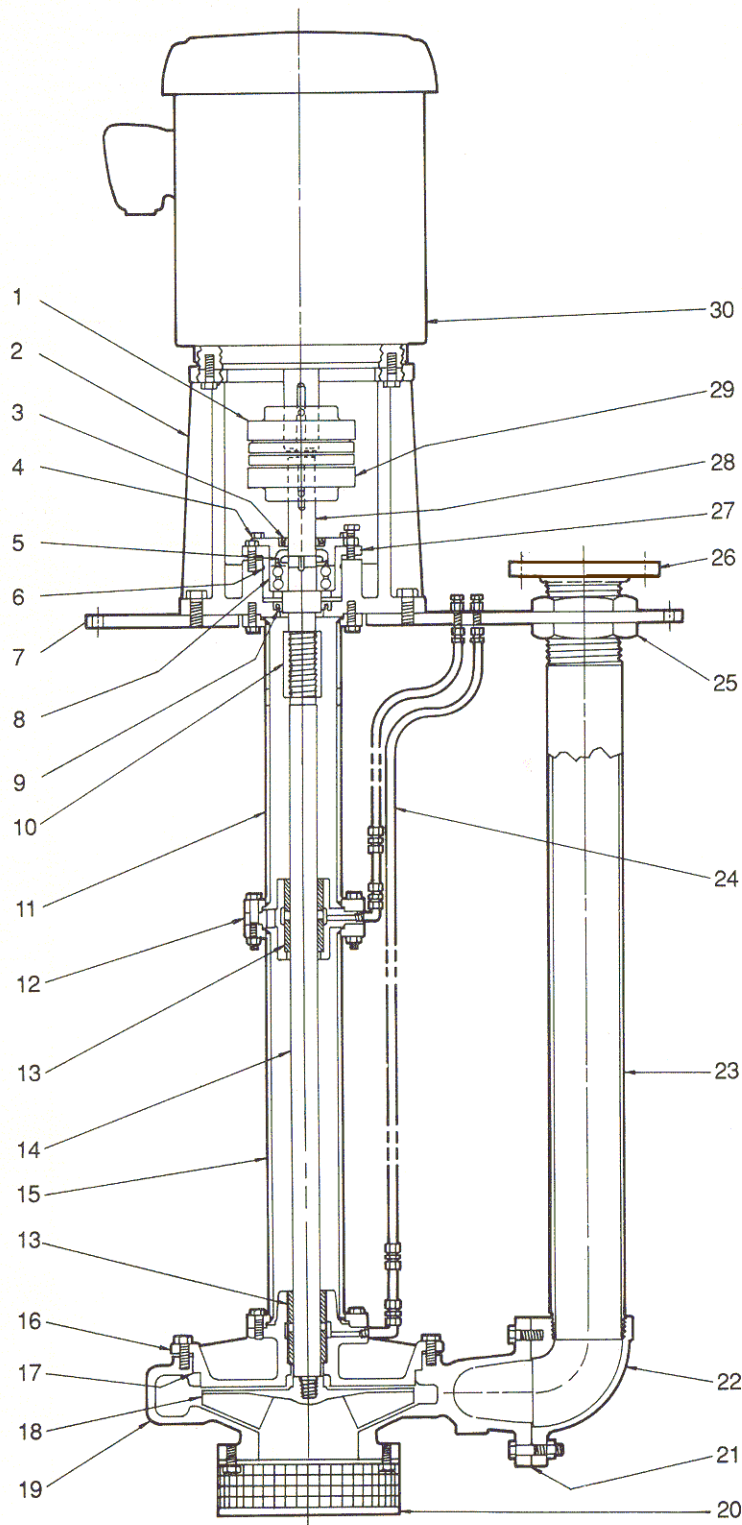
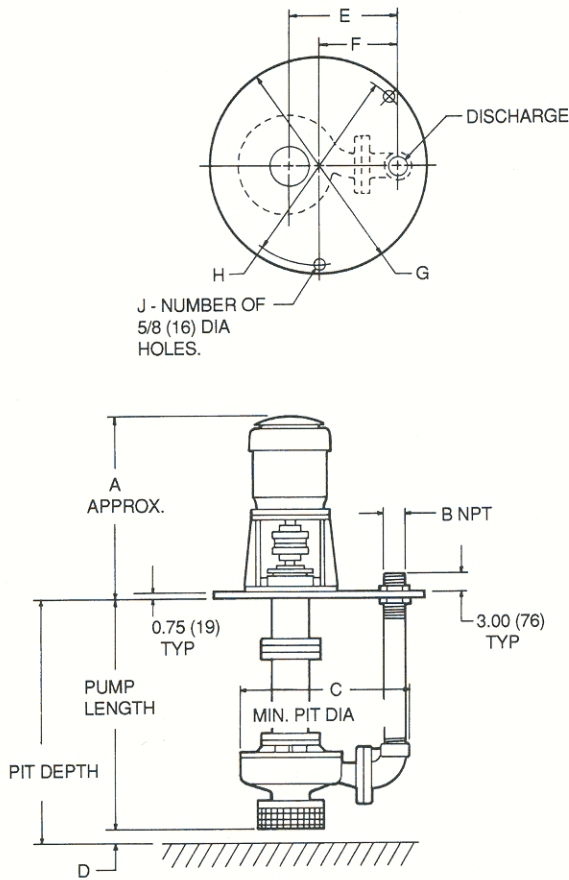


CONSTRUCTION: PEERLESS PUMP SERIES 8196 VSP



NO.	DESCRIPTION
1	COUPLING, MOTOR HALF (42)
2	PEDESTAL, MOTOR (81)
3	SEAL, BEARING COVER (49)
4	COVER, BEARING (37)
5	LOCKNUT, BEARING (22)
6	O-RING, BRG. HOUSING
7	PLATE, MOUNTING
8	BEARING, THRUST (18)
9	SEAL, BRG. HOUSING (47)
10	COUPLING, SHAFT (70)
11	COLUMN, TOP (101)
12	RETAINER, BEARING (193)
13	BEARING (39)
14	SHAFT, PUMP (6)
15	COLUMN, BOTTOM (101)
16	ADAPTER (71)
17	GASKET
18	IMPELLER (2)
19	CASING (1)
20	STRAINER (209)
21	GASKET
22	ELBOW, DISCHARGE (105)
23	PIPE, DISCHARGE
* 24	LUBRICATION LINES
25	LOCKNUT, DISCHARGE PIPE
26	FLANGE, DISCHARGE
27	HOUSING, BEARING (99)
28	SHAFT, HEAD (10)
29	COUPLING, PUMP HALF (44)
30	MOTOR
*	OPTIONAL FEATURES
()	HYDRAULIC INSTITUTE ITEM NUMBER DESIGNATION AS APPLICABLE

DIMENSIONS: PEERLESS PUMP SERIES 8196 VSP



ALL DIMENSIONS IN INCHES AND (mm).
NOT TO BE USED FOR CONSTRUCTION.

'A' DETERMINED BY MOTOR		
MOTOR FRAME	A APPROX.	PUMP GROUP
143	23.50	ST MT1 MT2
145	(597)	
182	26.75	
184	(673)	
213	30.50	
215	(775)	
254	31.75	STH MTH
256	(806)	
284	36.75	
286	(933)	
324	40.50	
326	(1023)	
364	43.50	MTH
365	(1105)	

PUMPS ARRANGED FOR PIT DEPTHS FROM
24.00 (.61m) TO 240.00 (6.1m)
PUMP LENGTH IN 6.00 (152) INCREMENTS.

PUMP LENGTH EQUALS PIT DEPTH MINUS "D"

EXAMPLE: 2 x 3 - 6 (ST) IN 120.00 (3.5m) PIT
"D" EQUALS 5.25 (133).

PUMP LENGTH EQUALS 120.00 (3.5m) MINUS
5.25 (133) = 114.75 (2.91m)

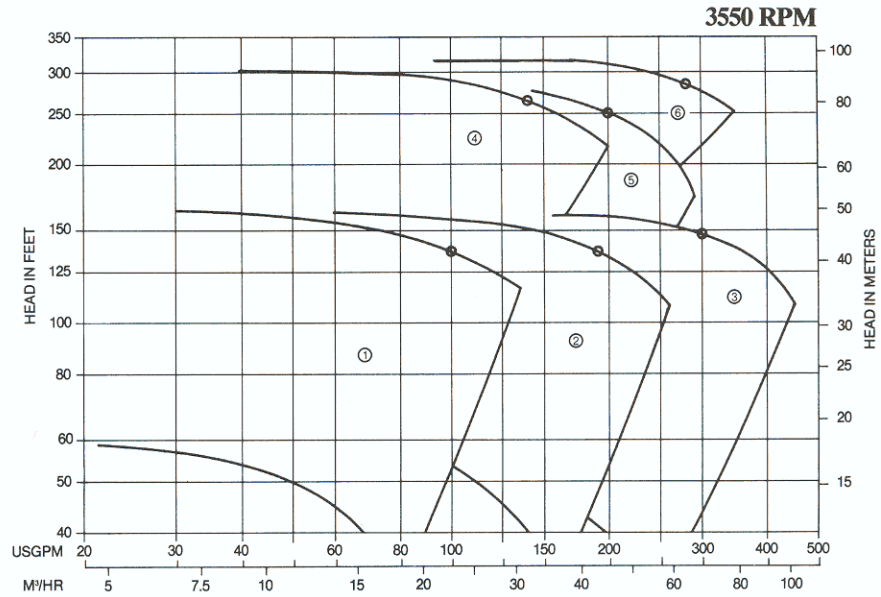
PUMP GROUP	PUMP OUTLINE DIMENSIONS									
	PUMP SIZE	B	C	D	E	F	G	H	J	
ST	1 x 1-1/2 - 6	2 (51)	17.75 (451)	5.50 (140)	10.00 (254)	7.25 (184)	22.00 (559)	20.50 (521)	6	
	1 x 1-1/2 - 8	2 (51)	18.00 (457)	5.50 (140)	10.00 (254)	7.25 (184)	22.00 (559)	20.50 (521)	6	
	1-1/2 x 3 - 6	2 (51)	17.75 (451)	5.25 (133)	10.00 (254)	7.25 (184)	22.00 (559)	20.50 (521)	6	
	1-1/2 x 3 - 8	2 (51)	18.00 (457)	5.25 (133)	10.00 (254)	7.25 (184)	22.00 (559)	20.50 (521)	6	
	2 x 3 - 6	2 (51)	17.75 (451)	5.25 (133)	10.00 (254)	7.25 (184)	22.00 (559)	20.50 (521)	6	
MT1	1 x 2 - 10	2 (51)	21.50 (546)	4.50 (114)	12.00 (305)	9.00 (229)	26.50 (673)	25.00 (635)	6	
	1-1/2 x 3 - 10	2 (51)	21.50 (546)	4.25 (108)	12.00 (305)	9.00 (229)	26.50 (673)	25.00 (635)	6	
	2 x 3 - 8	2 (51)	21.50 (546)	4.25 (108)	13.00 (330)	9.50 (241)	26.50 (673)	25.00 (635)	6	
	2 x 3 - 10	2 (51)	22.75 (578)	4.25 (108)	13.00 (330)	9.50 (241)	26.50 (673)	25.00 (635)	6	
	3 x 4 - 8G	4 (102)	26.00 (660)	4.25 (108)	15.50 (394)	10.50 (267)	31.00 (787)	29.50 (749)	8	
	3 x 4 - 8	4 (102)	26.00 (660)	4.25 (108)	15.50 (394)	10.50 (267)	31.00 (787)	29.50 (749)	8	
	3 x 4 - 10	4 (102)	26.00 (660)	4.25 (108)	15.50 (394)	10.50 (267)	31.00 (787)	29.50 (749)	8	
MT2	1-1/2 x 3 - 13	2 (51)	24.75 (629)	4.25 (108)	14.00 (356)	10.50 (267)	31.00 (787)	29.50 (749)	8	
	2 x 3 - 13	2 (51)	28.00 (711)	4.25 (108)	15.00 (381)	11.50 (292)	31.00 (787)	29.50 (749)	8	
	3 x 4 - 13	4 (102)	31.00 (787)	4.25 (108)	17.00 (432)	12.00 (305)	36.00 (914)	34.50 (876)	8	
	4 x 6 - 10	4 (102)	28.75 (730)	4.25 (108)	17.00 (432)	12.00 (305)	36.00 (914)	34.50 (876)	8	
	4 x 6 - 13	4 (102)	31.00 (787)	4.25 (108)	17.00 (432)	12.00 (305)	36.00 (914)	34.50 (876)	8	
STH	1 x 1-1/2 - 8	2 (51)	18.00 (457)	5.50 (140)	10.50 (267)	7.25 (184)	26.50 (673)	25.00 (635)	6	
	1-1/2 x 3 - 8	2 (51)	18.00 (457)	5.25 (133)	10.50 (267)	7.25 (184)	26.50 (673)	25.00 (635)	6	
MTH	2 x 3 - 8	2 (51)	21.50 (546)	4.25 (108)	13.00 (330)	9.50 (241)	26.50 (673)	25.00 (635)	6	
	2 x 3 - 13	2 (51)	28.00 (711)	4.25 (108)	15.00 (381)	11.50 (292)	31.00 (787)	29.50 (749)	8	
	3 x 4 - 13	4 (102)	31.00 (787)	4.25 (108)	17.00 (432)	12.00 (305)	36.00 (914)	34.50 (876)	8	
	4 x 6 - 10	4 (102)	28.75 (730)	4.25 (108)	17.00 (432)	12.00 (305)	36.00 (914)	34.50 (876)	8	
	4 x 6 - 13	4 (102)	31.00 (787)	4.25 (108)	17.00 (432)	12.00 (305)	36.00 (914)	34.50 (876)	8	

PERFORMANCE: PEERLESS PUMP SERIES 8196 VSP

RANGE FINDER KEY

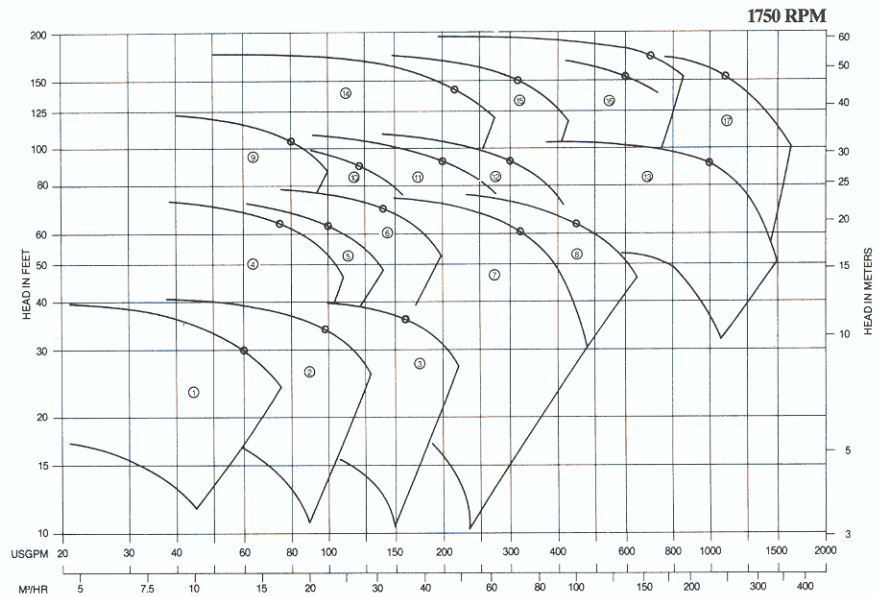
- 3550 RPM -

1. 1 x 1-1/2-6 ST
2. 1-1/2 x 3-6 ST
3. 2 X 3-6 ST
4. 1 X 1-1/2-8 ST/STH
5. 1-1/2 X 3-8 ST/STH
6. 2 X 3-8 MT/MTH



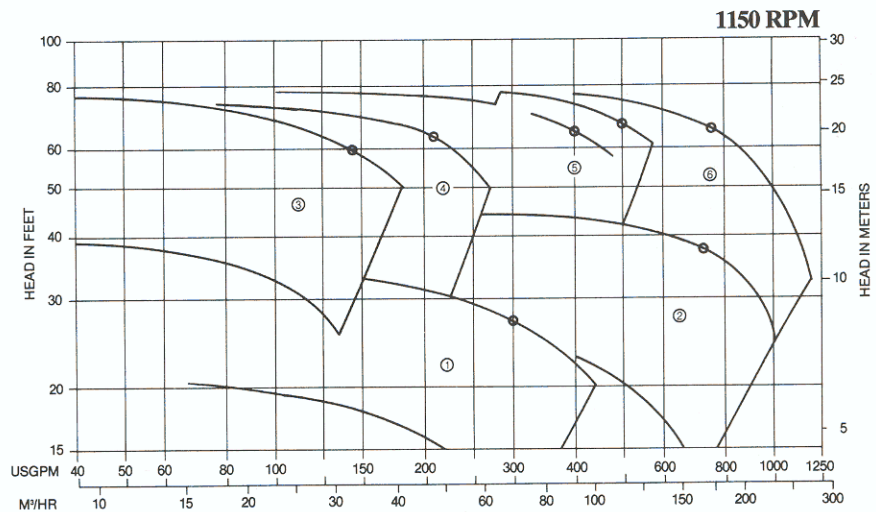
-1750 RPM -

1. 1 x 1-1/2-6 ST
2. 1-1/2 x 3-6 ST
3. 2 X 3-6 ST
4. 1 X 1-1/2-8 ST
5. 1-1/2 X 3-8 ST
6. 2 X 3-8 MT
7. 3 X 4-8G MT
8. 3 X 4-8 MT
9. 1 X 2-10 MT
10. 1-1/2 X 3-10 MT
11. 2 X 3-10 MT
12. 3 X 4-10 MT
13. 4 X 6-10 MT/MTH
14. 1-1/2 X 3-13 MT
15. 2 X 3-13 MT/MTH
16. 3 X 4-13 MT/MTH
17. 4 X 6-13 MT/MTH



-1150 RPM -

1. 3 X 4-8 MT
2. 4 X 6-10 MT
3. 1-1/2 X 3-13 MT
4. 2 X 3-13 MT
5. 3 X 4-13 MT/MTH
6. 4 X 6-13 MT/MTH



PEERLESS INDUSTRIAL SUMP PUMPS: PERFORMANCE WITHOUT COMPROMISE

PEERLESS PUMP COMPANY
SERVING INDUSTRY WITH QUALITY PUMPING EQUIPMENT SINCE 1923

With maximum parts interchangeability, Peerless is the single source supplier for all your Industrial Sump Pump and ANSI Process Pump needs.

PERFORMANCE RANGE

Capacities to: 1600 USGPM (365 M³/HR)
Heads to: 310 Feet (95 Meters)
Temperatures to: 180°F (82°C) Standard
Special designs upon application

DESIGN ADVANTAGES

The 8196 VSP (Vertical Sump Pump) line is interchangeable with our proven 8196 ANSI Process Pump line and shares the same casings and impellers in a self-priming, double pipe sump pump configuration. By utilizing a combination of heavy duty shaft sizes and proper bearing spacing, users are assured that the 8196 VSP will not operate within 25% of the shaft critical frequency, a key factor in extended pump life.

Users also benefit from a broad hydraulic performance range and readily available standard alloy material groups for corrosive and severe duty applications. The direct interchangeability of casings, impellers and double row thrust bearings between your 8196 ANSI Process Pumps and your 8196 Sump Pumps minimizes parts inventory needs and provides for additional savings.

The 8196 VSP line includes 24 models in 17 sizes and is available in pump length increments of 6 inches (15cm) to a maximum pit depth of 20 feet (6m).

MATERIALS

Standard material groups include Ductile Iron, 316 Stainless Steel, CD4MCU and Alloy 20. Modifications within material groups are available to suit your requirements.

THE PEERLESS DIFFERENCE

The 8196 VSP uses standard NEMA design C face motors in open dripproof, totally enclosed fan cooled, explosion proof and chemical duty enclosures. These motor configurations help provide the best possible operation in virtually any pumping environment.

Handy access above the mounting plate makes impeller adjustment fast and simple. This eliminates the need to dismantle the pump for adjustment which provides running clearance renewal with minimal service disruption.

The 8196 VSP uses a heavy duty double row thrust bearing, in a sealed bearing housing, located above the mounting plate in the motor pedestal. This protects the bearing from contamination and makes the pump especially suitable for outdoor installation. For trouble free operation, its heavy duty shaft design exceeds those of other manufacturers.

A wide variety of options are available to meet your exact pumping requirements, including: external bearing lubrication, above mounting plate stuffing box, flanged discharge, pit covers and various controls.

Compare the Peerless 8196 VSP to other sump pumps and you'll find an outstanding value in performance, design, materials, options and product features. Plus, you get maximum interchangeability of parts between the 24 models within our VSP line.

For performance without compromise, experience the Peerless difference.