

Vertical & Horizontal End Suction Pumps 7800 Series



A RUTHMAN COMPANY
www.gusher.com

**Self-Priming
Jet Pump**



**Industrial Vertical
Closed Coupled**



**Industrial Horizontal
Close Coupled**



GUSHER®

Quality
Under
Pressure
www.gusher.com

F	O.D.P. SINGLE 3 Ph.			
HP	14 ^{15/16}	15 ^{15/16}	15 ^{15/16}	16 ^{13/16}
	1	1 1/2	2	3

F	O.D.P. 3 Ph.	
HP	15	15 ^{15/16}
	1	1 1/2

R
RUTHMAN
COMPANIES

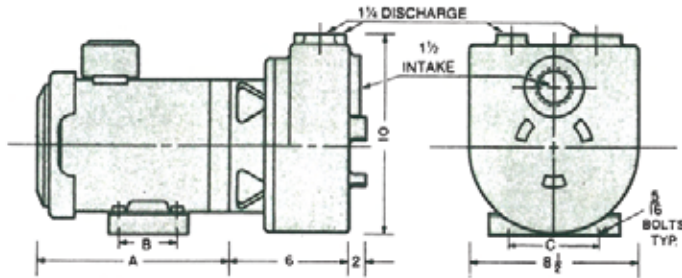
GUSHER JET PUMPS

Ruthman Model RP Self Priming pumps are backed by more than 68 years of experience in the manufacturing of centrifugal pumps for countless varieties of applications.

The Model RP has been designed to provide long life, quiet operation and maximum performance with the capability of pumping liquids from depths up to 25 feet without the aid of priming or check valves.*

They are ideal for lawn sprinkler systems, swimming pools, irrigation, etc., and can be readily adapted to many industrial uses.

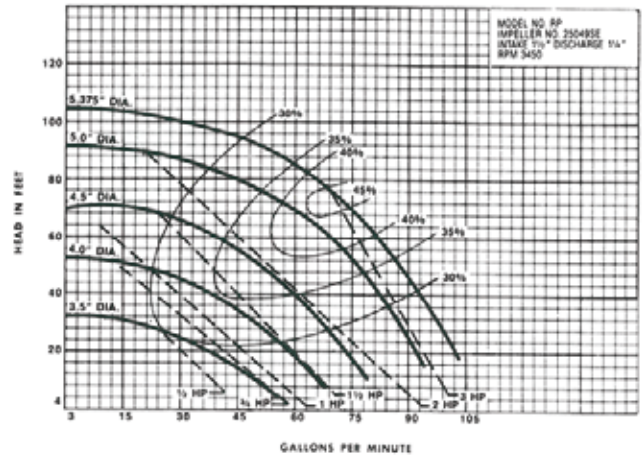
*If instantaneous flow is desired, a check valve must be installed at the maximum depth.



Dimensions in inches for TEFC 3 Phase Motors

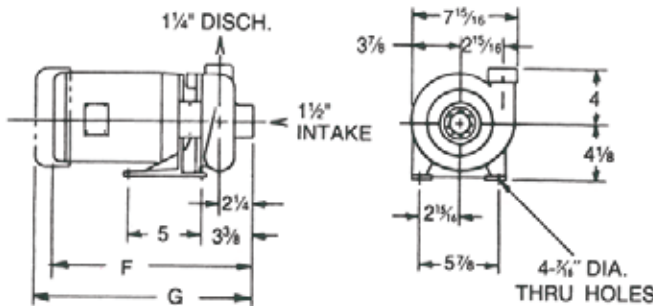
HP	1/2	3/4	1	1 1/2	2	3	5
A	11	11	11	10 1/4	11 1/4	12 1/4	14
B	3	3	3	3	3	3	5 1/2
C	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	7 1/2

Performance (at discharge)



Model - E285J

NEW!!! Model E285J was designed to be compact, easy to install and easy to service. This centrifugal pump is of close coupled design and uses enclosed impellers to maximum efficiency.

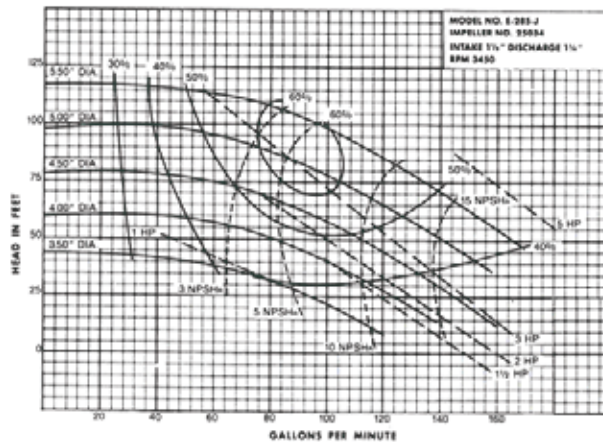


O.D.P. SINGLE 3 Ph.				
F	14 15/16	15 15/16	15 15/16	16 13/16
HP	1	1 1/2	2	3

O.D.P. 3 Ph.				
F	15	15 7/16	15 7/16	16 7/16
HP	1	1 1/2	2	3

T.E.F.C SINGLE 3 Ph.			
G	16 7/16	16 7/16	17 5/16
HP	1	1 1/2	2

T.E.F.C. 3 Ph.				
G	16 3/16	15 7/16	16 1/2	17 1/4
HP	1	1 1/2	2	3
				5



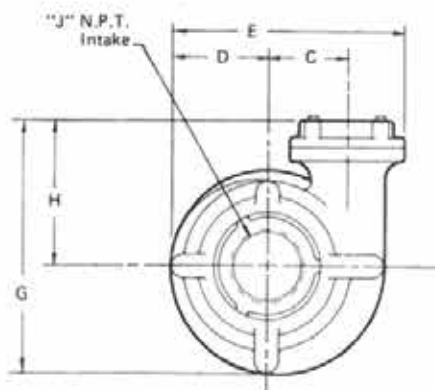
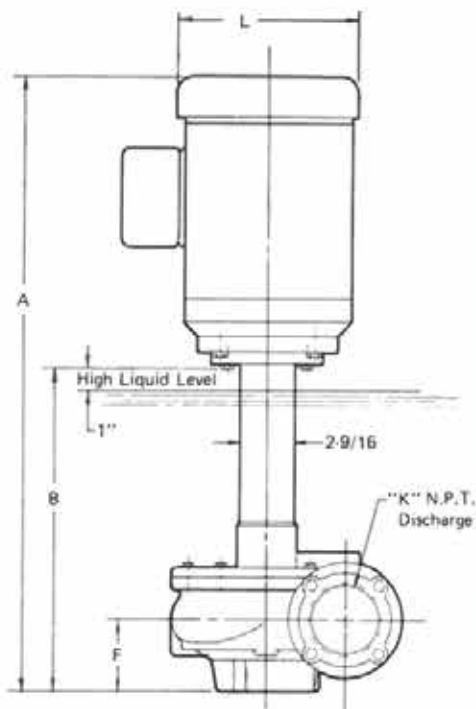
INDUSTRIAL VERTICAL CLOSE COUPLED PUMPS

Models—11018-NS, 11019-NS, 11019-A, 11031-NS, 11032-NS, 1¼x1½-7SEV, 2x2½-7SEV, & 3x4-7SEV

Gusher Industrial Vertical End Suction Pumps are designed to be reliable and versatile. Their heavy duty one piece shaft construction has no seals, bushings, or metal to metal contact below the mounting plate, assuring a long, maintenance free life. The pump design has been used in many different applications including industrial washing machines, cooling towers, spray booths, and part cleaners. For Performance Data see pages 7 thru 9.

1725 R.P.M. Dimensions in Inches

MODEL	HP	FR	A	B	C	D	E	F	G	H	J	K	L		
11018-NS	½	143T	26 ¹ / ₁₆	14 ¹ / ₄	3 ³ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ¹ / ₈	4 ¹ / ₄	2	1 ¹ / ₂	7 ³ / ₁₆		
11019-NS	¾														
11019-A	½	143T	26 ¹ / ₁₆	14 ³ / ₈	3 ¹ / ₂	3 ³ / ₈	8 ¹ / ₈	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1 ¹ / ₂	7 ³ / ₁₆		
	1														
11031-NS	¾	143T	27 ¹ / ₈	15 ⁵ / ₁₆	4 ³ / ₄	4 ¹³ / ₁₆	11 ¹⁵ / ₁₆	3 ¹ / ₁₆	11 ¹ / ₈	6 ⁵ / ₈	2 ¹ / ₂	2	7 ³ / ₁₆		
	1	145T	28 ¹ / ₈												
	1½	145T	28 ¹ / ₈												
11032-NS	1	143T	27 ⁵ / ₁₆	15 ¹ / ₂	3 ³ / ₄	4 ¹ / ₈	11 ¹ / ₁₆	3 ³ / ₈	11 ¹ / ₄	6 ³ / ₄	3	3	7 ³ / ₁₆		
	1½	145T	28 ⁵ / ₁₆												
	2	182T	29												
1¼x1½-7 SEV	½	143T	28 ¹ / ₄	16 ¹ / ₄	3 ³ / ₄	4 ¹³ / ₁₆	9 ⁵ / ₈	3 ³ / ₈	9 ⁹ / ₁₆	4	1 ¹ / ₂	1 ¹ / ₄	7 ³ / ₁₆		
	¾														
	1													145T	29 ¹ / ₄
	1½														
2x2½-7 SEV	½	143T	28 ¹ / ₂	16 ¹ / ₂	4 ¹ / ₈	5 ¹ / ₈	11	3 ¹¹ / ₁₆	10 ³ / ₁₆	5	2 ¹ / ₂	2	7 ³ / ₁₆		
	¾														
	1													145T	29 ¹ / ₂
	1½														
3x4-7 SEV	1	143T	29 ¹ / ₈	17 ³ / ₄	4 ¹ / ₂	5 ¹ / ₄	13 ¹ / ₂	4 ⁷ / ₈	11 ¹³ / ₁₆	6	4*	3*	7 ³ / ₁₆		
	1½	145T	30 ¹ / ₈												
	2	182T	30 ³ / ₄												
	3	184T	30 ³ / ₄												
	5		8 ¹ / ₂												



3450 R.P.M. Dimensions in Inches

11018-NS	1½	143T	26 ¹ / ₁₆	14 ¹ / ₄	3 ³ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ¹ / ₈	4 ¹ / ₄	2	1 ¹ / ₂	7 ³ / ₁₆
	2	145T	27 ¹ / ₁₆										
	3		28										
11019-NS	5	184T	29 ¹ / ₈	14 ³ / ₈	3 ¹ / ₂	3 ³ / ₈	8 ¹ / ₈	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1 ¹ / ₂	8 ¹ / ₂
	7½		30 ¹ / ₈										
11019-A	3	145T	28	14 ³ / ₈	3 ¹ / ₂	3 ³ / ₈	8 ¹ / ₈	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1 ¹ / ₂	7 ³ / ₁₆
	5	184T	29 ¹ / ₄										
	7½		30 ³ / ₄										

Dimensions are for 208-230/460V.-60 Cy.-3 Ph.-T.E.F.C. Motors, other motor characteristics are available and dimensions will be supplied upon request. Above dimensions are for estimating only. Write for certified drawings.

*ASE Flange

3450 R.P.M. Dimensions in Inches

MODEL	HP	FR	A	B	C	D	E	F	G	H	J	K	L									
11031-NS	5	184T	30 $\frac{3}{8}$	15 $\frac{5}{16}$	4 $\frac{1}{4}$	4 $\frac{13}{16}$	11 $\frac{15}{16}$	3 $\frac{1}{8}$	11 $\frac{1}{2}$	6 $\frac{1}{2}$	2 $\frac{1}{2}$	2	8 $\frac{1}{2}$									
	7 $\frac{1}{2}$		31 $\frac{1}{8}$										10 $\frac{3}{8}$									
	10	215T	32										15 $\frac{1}{2}$	3 $\frac{3}{4}$	4 $\frac{1}{2}$	11 $\frac{1}{16}$	3 $\frac{3}{8}$	11 $\frac{3}{4}$	6 $\frac{3}{4}$	3	3	13 $\frac{1}{4}$
	15		33 $\frac{1}{8}$																			15 $\frac{5}{8}$
11032-NS	5	184T	30 $\frac{3}{8}$	15	3 $\frac{3}{4}$	4 $\frac{1}{2}$	11 $\frac{1}{16}$	3 $\frac{3}{8}$	11 $\frac{3}{4}$	6 $\frac{3}{4}$	3	3										8 $\frac{1}{2}$
	7 $\frac{1}{2}$		31 $\frac{1}{8}$																			10 $\frac{3}{8}$
	10	215T	32 $\frac{1}{8}$										13 $\frac{1}{4}$									
	15		33 $\frac{1}{8}$											15 $\frac{5}{8}$								
	20	256T	36 $\frac{1}{2}$																			
25	284T	39 $\frac{1}{4}$																				
1 $\frac{1}{4}$ x1 $\frac{1}{2}$ -7 SEV	5	184T	31 $\frac{3}{8}$	16 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{13}{16}$	9 $\frac{1}{2}$	3 $\frac{3}{8}$	9 $\frac{9}{16}$	4	1 $\frac{1}{2}$	1 $\frac{1}{4}$		8 $\frac{1}{2}$								
	7 $\frac{1}{2}$		32 $\frac{3}{8}$										10 $\frac{3}{8}$									
	10	215T	33 $\frac{3}{8}$																			
2x2 $\frac{1}{2}$ -7 SEV	5	184T	31 $\frac{3}{8}$	16 $\frac{3}{8}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	11	3 $\frac{11}{16}$	10 $\frac{7}{16}$	5	2 $\frac{1}{2}$	2	8 $\frac{1}{2}$									
	7 $\frac{1}{2}$		33 $\frac{3}{8}$										10 $\frac{3}{8}$									
	10	215T	33 $\frac{3}{8}$										17 $\frac{1}{4}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	4*	3*	13 $\frac{1}{4}$
	15		34 $\frac{1}{2}$																			15 $\frac{5}{8}$
3x4-7 SEV	7 $\frac{1}{2}$	184T	34 $\frac{3}{8}$	14 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	4*	3*										8 $\frac{1}{2}$
	10	215T	34 $\frac{3}{8}$																			10 $\frac{3}{8}$
	15		35 $\frac{3}{4}$										13 $\frac{1}{4}$									
	20	256T	35 $\frac{3}{4}$										15 $\frac{5}{8}$									
	25	284T	37 $\frac{1}{4}$																			
	30	286T	39 $\frac{1}{8}$																			

INDUSTRIAL HORIZONTAL CLOSE COUPLED PUMPS

1725 R.P.M. Dimensions in Inches Dimensions are for estimates only. Write for certified drawings.

MODEL	HP	A	C	D	E	F	G	H	J	K	L	P	R	S	T	MOTOR FR.
11018-CIH	1/2	16 $\frac{3}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	8 $\frac{5}{8}$	4 $\frac{1}{4}$	1 $\frac{1}{2}$ / $\frac{1}{2}$	1 $\frac{1}{2}$ / $\frac{1}{2}$	6 $\frac{1}{8}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	9 $\frac{5}{8}$	3	56C
11019-CIH	3/4	17 $\frac{3}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{4}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	8 $\frac{5}{8}$	4 $\frac{1}{4}$	2	1 $\frac{1}{2}$	6 $\frac{1}{8}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	9 $\frac{5}{8}$	3	56C
11019-AH	1	21 $\frac{3}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{8}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	8 $\frac{5}{8}$	4 $\frac{3}{8}$	2	1 $\frac{1}{2}$	7 $\frac{1}{16}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	12	3	56C
	1 $\frac{1}{2}$	22 $\frac{13}{16}$	3 $\frac{1}{2}$	3 $\frac{3}{8}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	8 $\frac{5}{8}$	4 $\frac{3}{8}$	2	1 $\frac{1}{2}$	7 $\frac{1}{16}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	12 $\frac{5}{16}$	5	145TC
11031-CIH	2	22 $\frac{13}{16}$	3 $\frac{1}{2}$	3 $\frac{7}{8}$	8 $\frac{1}{16}$	2 $\frac{3}{8}$	8 $\frac{5}{8}$	4 $\frac{3}{8}$	2	1 $\frac{1}{2}$	7 $\frac{1}{16}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	12 $\frac{5}{16}$	5	145TC
	1	17 $\frac{1}{16}$	4 $\frac{1}{4}$	4 $\frac{5}{8}$	11 $\frac{3}{8}$	3 $\frac{1}{4}$	11 $\frac{3}{8}$	6 $\frac{5}{8}$	2 $\frac{1}{2}$	**2	7 $\frac{1}{16}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	9 $\frac{5}{8}$	3	56C
	1 $\frac{1}{2}$	19 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{5}{8}$	11 $\frac{3}{8}$	3 $\frac{1}{4}$	11 $\frac{3}{8}$	6 $\frac{5}{8}$	2 $\frac{1}{2}$	**2	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	4 $\frac{1}{2}$	182C
11032-CIH	2	19 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{5}{8}$	11 $\frac{3}{8}$	3 $\frac{1}{4}$	11 $\frac{3}{8}$	6 $\frac{5}{8}$	2 $\frac{1}{2}$	**2	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	5 $\frac{1}{2}$	184C
	3	19 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{5}{8}$	11 $\frac{3}{8}$	3 $\frac{1}{4}$	11 $\frac{3}{8}$	6 $\frac{5}{8}$	2 $\frac{1}{2}$	**2	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	5 $\frac{1}{2}$	184C
	1 $\frac{1}{2}$	19 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{5}{8}$	11 $\frac{1}{16}$	3 $\frac{3}{8}$	11 $\frac{3}{4}$	6 $\frac{3}{4}$	3	3	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	4 $\frac{1}{2}$	182C
1 $\frac{1}{4}$ x1 $\frac{1}{2}$ -7 SEH	2	19 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{5}{8}$	11 $\frac{1}{16}$	3 $\frac{3}{8}$	11 $\frac{3}{4}$	6 $\frac{3}{4}$	3	3	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	5 $\frac{1}{2}$	184C
	3	19 $\frac{1}{4}$	3 $\frac{3}{4}$	4 $\frac{5}{8}$	11 $\frac{1}{16}$	3 $\frac{3}{8}$	11 $\frac{3}{4}$	6 $\frac{3}{4}$	3	3	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	5 $\frac{1}{2}$	184C
	5	20 $\frac{3}{8}$	3 $\frac{3}{4}$	4 $\frac{5}{8}$	11 $\frac{1}{16}$	3 $\frac{3}{8}$	11 $\frac{3}{4}$	6 $\frac{3}{4}$	3	3	8 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	9 $\frac{11}{16}$	5 $\frac{1}{2}$	184C
	1/2	24 $\frac{1}{16}$	3 $\frac{3}{4}$	4 $\frac{13}{16}$	9 $\frac{5}{8}$	3 $\frac{3}{8}$	9 $\frac{9}{16}$	4	1 $\frac{1}{2}$	1 $\frac{1}{4}$	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	13 $\frac{1}{8}$	3	56J
2x2 $\frac{1}{2}$ -7 SEH	3/4	24 $\frac{1}{16}$	3 $\frac{3}{4}$	4 $\frac{13}{16}$	9 $\frac{5}{8}$	3 $\frac{3}{8}$	9 $\frac{9}{16}$	4	1 $\frac{1}{2}$	1 $\frac{1}{4}$	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	13 $\frac{1}{8}$	3	56J
	1	23 $\frac{1}{16}$	3 $\frac{3}{4}$	4 $\frac{13}{16}$	9 $\frac{5}{8}$	3 $\frac{3}{8}$	9 $\frac{9}{16}$	4	1 $\frac{1}{2}$	1 $\frac{1}{4}$	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	14 $\frac{1}{16}$	4	143JP
	1 $\frac{1}{2}$	23 $\frac{1}{16}$	3 $\frac{3}{4}$	4 $\frac{13}{16}$	9 $\frac{5}{8}$	3 $\frac{3}{8}$	9 $\frac{9}{16}$	4	1 $\frac{1}{2}$	1 $\frac{1}{4}$	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	14 $\frac{1}{16}$	5	145JP
	2	23 $\frac{1}{16}$	3 $\frac{3}{4}$	4 $\frac{13}{16}$	9 $\frac{5}{8}$	3 $\frac{3}{8}$	9 $\frac{9}{16}$	4	1 $\frac{1}{2}$	1 $\frac{1}{4}$	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	14 $\frac{1}{16}$	5	145JP
3x4-7 SEH	1/2	24 $\frac{13}{16}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	11	3 $\frac{11}{16}$	10 $\frac{7}{16}$	5	2 $\frac{1}{2}$	2	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	14 $\frac{1}{8}$	3	56J
	3/4	24 $\frac{13}{16}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	11	3 $\frac{11}{16}$	10 $\frac{7}{16}$	5	2 $\frac{1}{2}$	2	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{7}{16}$	14 $\frac{1}{8}$	3	56J
	1	23 $\frac{9}{16}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	11	3 $\frac{11}{16}$	10 $\frac{7}{16}$	5	2 $\frac{1}{2}$	2	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	14 $\frac{7}{16}$	4	143JP
	1 $\frac{1}{2}$	23 $\frac{9}{16}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	11	3 $\frac{11}{16}$	10 $\frac{7}{16}$	5	2 $\frac{1}{2}$	2	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	14 $\frac{7}{16}$	5	145JP
	2	23 $\frac{9}{16}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	11	3 $\frac{11}{16}$	10 $\frac{7}{16}$	5	2 $\frac{1}{2}$	2	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	14 $\frac{7}{16}$	5	145JP
	1	24 $\frac{13}{16}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	*4	*3	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	15 $\frac{11}{16}$	4	143JP
1 $\frac{1}{2}$	24 $\frac{13}{16}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	*4	*3	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	15 $\frac{11}{16}$	5	145JP	
2	24 $\frac{13}{16}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	*4	*3	6 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	15 $\frac{11}{16}$	5	145JP	
3	27 $\frac{3}{4}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	*4	*3	7 $\frac{7}{8}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	16 $\frac{5}{16}$	4 $\frac{1}{2}$	182JP	
5	27 $\frac{3}{4}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	13 $\frac{1}{2}$	4 $\frac{7}{8}$	11 $\frac{13}{16}$	6	*4	*3	7 $\frac{7}{8}$	4 $\frac{1}{2}$	3 $\frac{3}{4}$	16 $\frac{5}{16}$	5 $\frac{1}{2}$	184JP	

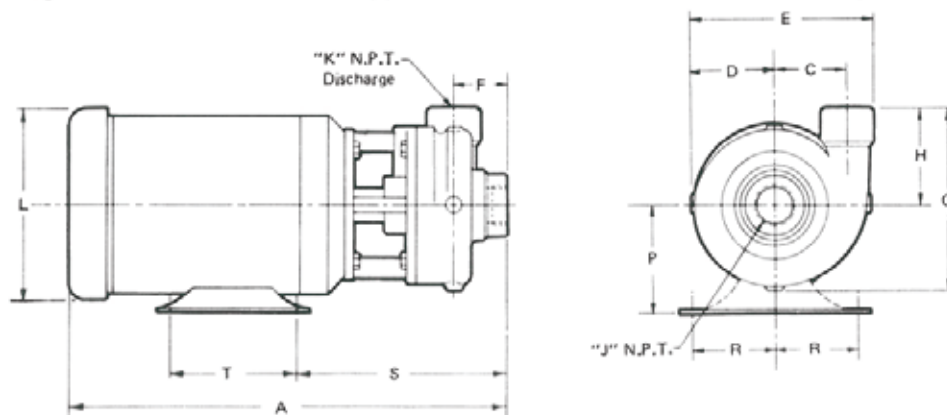
*ASE Flange
Dimensions for 208-230/460 Volt-60 Cy-3 Ph. T.E.F.C. Motors, other motor characteristics are available and dimensions will be furnished upon request

INDUSTRIAL HORIZONTAL CLOSE COUPLED PUMPS

**Models — 11018-CIH, 11019-CIH, 11019-AH, 11031-CIH, 11032-CIH, 1¼x1½-7SEH,
2x2½-7SEH, & 3x4-7SEH**

Gusher close coupled pumps are designed to cut maintenance two ways. First, they will give years of trouble free operation without regular maintenance except for periodic lubrication. Secondly, when disassembly is required, their back-pull-out design cuts downtime to a minimum.

The back-pull-out design allows all pump components to be removed and reinstalled without disturbing or disconnecting the piping—a major time savings. Once removed, the pump can be restored to new condition by replacing the seal assembly which features a mechanical seal for positive sealing (no leakage at all) and a shaft sleeve which adds years of service to the sturdy motor shaft. (The sleeve wears out not the shaft.) After repairs are completed installation is fast and easy. The pump is back in operation with a minimum of down time. Seal is available in Tungsten Carbide for abrasive applications. For Performance Data see pages 7 thru 9.



3450 R.P.M. Dimensions in Inches (for 1725 R.P.M. Dimensions see page 5)

MODEL	HP	A	C	D	E	F	G	H	J	K	L	P	R	S	T	MOTOR FR.
11018-CIH	1	17 ⁷ / ₁₆	3 ¹ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ⁵ / ₈	4 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₂	7 ³ / ₁₆	3 ¹ / ₂	2 ³ / ₄	9 ⁵ / ₈	5	145TC
	1½	18 ⁵ / ₁₆	3 ¹ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ⁵ / ₈	4 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₂	7 ³ / ₁₆	4 ¹ / ₂	2 ³ / ₄	9 ¹ / ₁₆	5	145TC
11019-CIH	2	18 ⁵ / ₁₆	3 ¹ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ⁵ / ₈	4 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₂	7 ³ / ₁₆	4 ¹ / ₂	2 ³ / ₄	9 ¹ / ₁₆	5	145TC
	3	19 ⁵ / ₁₆	3 ¹ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ⁵ / ₈	4 ¹ / ₄	1 ¹ / ₂	1 ¹ / ₂	8 ¹ / ₂	4 ¹ / ₂	2 ³ / ₄	9 ³ / ₄	5½	184C
11019-AH	5	20 ⁵ / ₈	3 ¹ / ₄	3 ³ / ₄	8 ⁵ / ₁₆	2 ³ / ₈	8 ⁵ / ₈	4 ¹ / ₄	2	1½	8½	4½	3¾	9 ¹ / ₁₆	5½	184C
	1	21¾	3½	3 ⁷ / ₈	8 ⁹ / ₁₆	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1½	7 ³ / ₁₆	3½	2 ⁷ / ₁₆	12	3	56C
	1½	22 ¹³ / ₁₆	3½	3 ⁷ / ₈	8 ⁹ / ₁₆	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1½	7 ³ / ₁₆	3½	2¾	12 ⁹ / ₁₆	4	143TC
	2	22 ¹³ / ₁₆	3½	3 ⁷ / ₈	8 ⁹ / ₁₆	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1½	7 ³ / ₁₆	3½	2¾	12 ⁵ / ₁₆	5	145TC
	3	23 ¹¹ / ₁₆	3½	3 ⁷ / ₈	8 ⁹ / ₁₆	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1½	7 ³ / ₁₆	3½	2¾	12 ⁵ / ₁₆	5	145TC
11031-CIH	5	26	3½	3 ⁷ / ₈	8 ⁹ / ₁₆	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1½	8½	4½	3¾	13 ¹ / ₈	5½	184TC
	7½	28 ¹ / ₈	3½	3 ⁷ / ₈	8 ⁹ / ₁₆	2 ³ / ₈	8 ³ / ₈	4 ³ / ₈	2	1½	10¼	5¼	4 ¹ / ₈	13 ⁵ / ₁₆	5½	213TC
	3	19¼	4¾	4 ⁵ / ₈	11 ³ / ₈	3¼	11 ³ / ₈	6 ⁵ / ₈	2½	**2	8½	4½	3¾	9 ¹ / ₁₆	5½	184C
11032-CIH	5	20 ⁵ / ₈	4¾	4 ⁵ / ₈	11 ³ / ₈	3¼	11 ³ / ₈	6 ⁵ / ₈	2½	**2	8½	4½	3¾	9 ¹ / ₁₆	5½	184C
	7½	22 ⁵ / ₈	4¾	4 ⁵ / ₈	11 ³ / ₈	3¼	11 ³ / ₈	6 ⁵ / ₈	2½	**2	10¼	5¼	4¼	11 ¹ / ₁₆	8½	213TC
	10	22 ⁵ / ₈	4¾	4 ⁵ / ₈	11 ³ / ₈	3¼	11 ³ / ₈	6 ⁵ / ₈	2½	**2	10¼	5¼	4¼	11 ¹ / ₁₆	8½	215TC
11032-CIH	5	20 ⁵ / ₈	3¾	4 ⁵ / ₈	11 ¹ / ₁₆	3 ³ / ₈	11¾	6¾	3	3	8½	4½	3¾	9 ¹ / ₁₆	5½	184C
	7½	22 ⁵ / ₈	3¾	4 ⁵ / ₈	11 ¹ / ₁₆	3 ³ / ₈	11¾	6¾	3	3	10¼	5¼	4¼	11 ¹ / ₁₆	8½	213TC
	10	22 ⁵ / ₈	3¾	4 ⁵ / ₈	11 ¹ / ₁₆	3 ³ / ₈	11¾	6¾	3	3	10¼	5¼	4¼	11 ¹ / ₁₆	8½	215TC
	15	25 ⁵ / ₁₆	3¾	4 ⁵ / ₈	11 ¹ / ₁₆	3 ³ / ₈	11¾	6¾	3	3	13¼	6¼	5	11 ¹ / ₁₆	10	254TC
	20	27 ⁵ / ₁₆	3¾	4 ⁵ / ₈	11 ¹ / ₁₆	3 ³ / ₈	11¾	6¾	3	3	13¼	6¼	5	11 ¹ / ₁₆	10	256TC

Dimensions for 208-230/460 Volt-60 Cy.-3 Ph. T.E.F.C. Motors, other motor characteristics are available and dimensions will be furnished upon request.

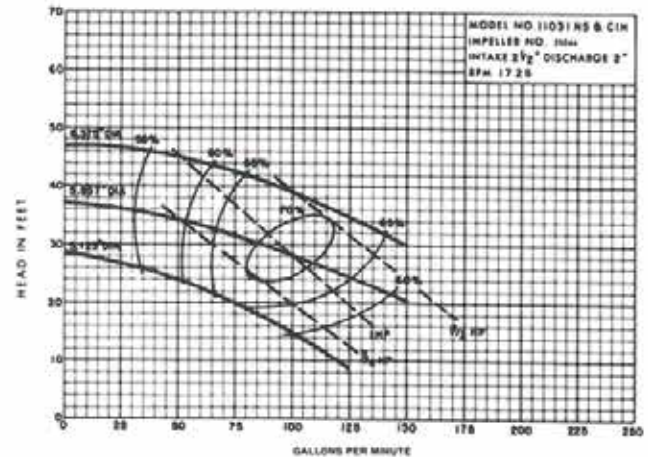
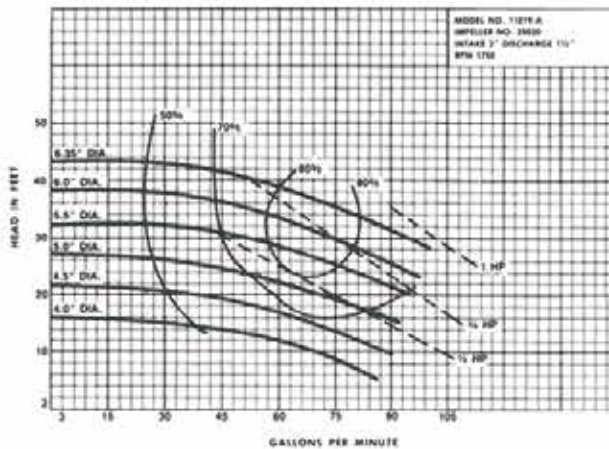
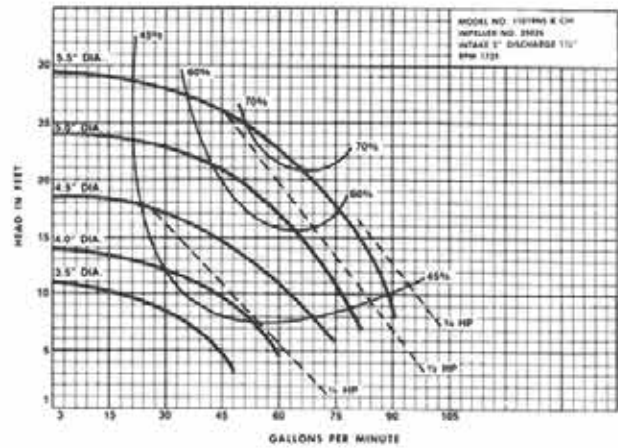
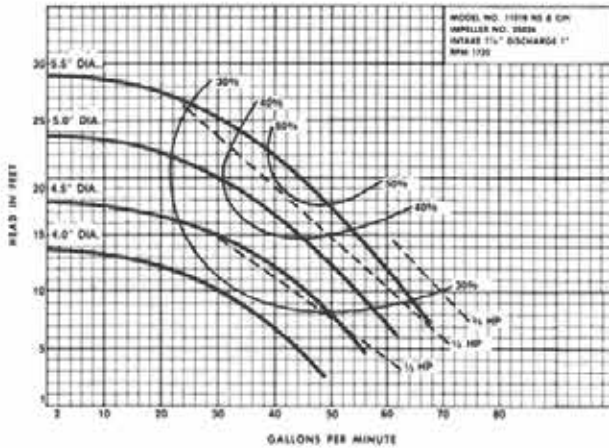
INDUSTRIAL HORIZONTAL CLOSE COUPLED PUMPS

3450 R.P.M. Dimensions in Inches (for 1725 R.P.M. Dimensions see page 5)

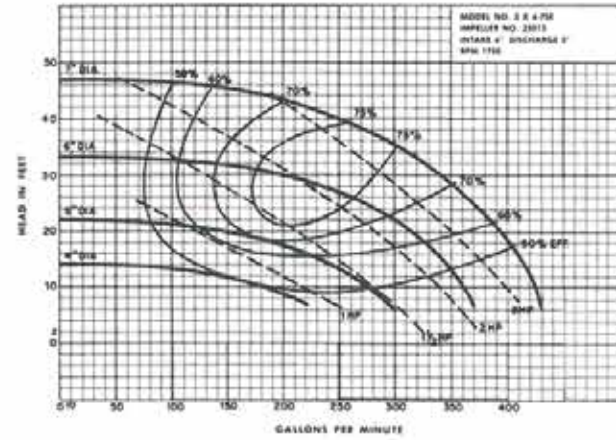
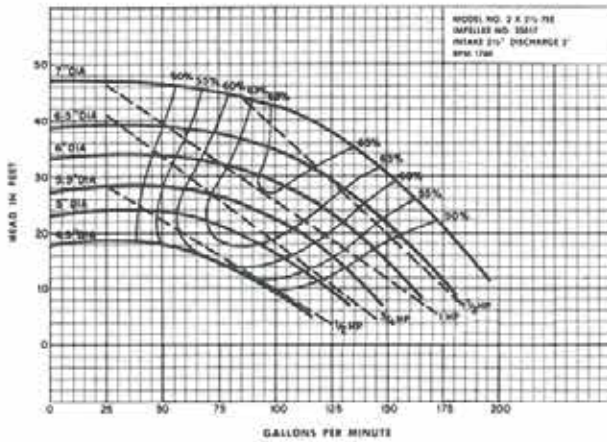
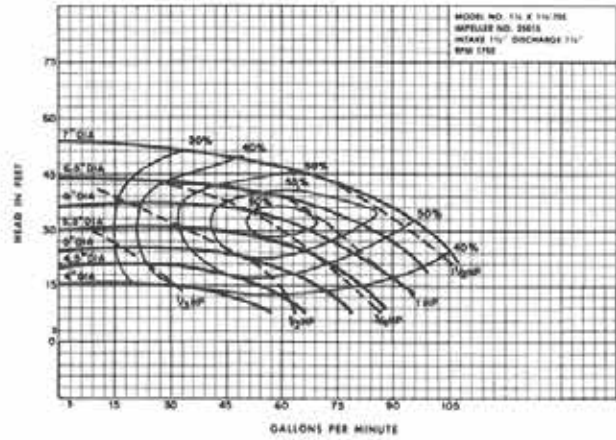
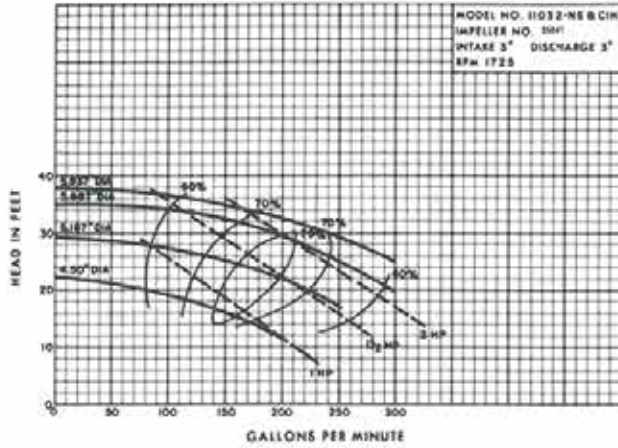
MODEL	HP	A	C	D	E	F	G	H	J	K	L	P	R	S	T	MOTOR FR.
1¼x1½-7 SEH	5	26¼	3¼	4½	9½	3¾	9¾	4	1½	1¼	7¾	4½	3¾	14½	5½	184JP
	7½	26¼	3¼	4½	9½	3¾	9¾	4	1½	1¼	7¾	4½	3¾	14½	5½	184JP
	10	28	3¼	4½	9½	3¾	9¾	4	1½	1¼	9½	5¼	4¼	15½	7	215JP
2x2½-7 SEH	5	26½	4⅞	5⅞	11	3⅞	10⅞	5	2½	2	7¾	4½	3¾	15½	5½	184JP
	7½	26½	4⅞	5⅞	11	3⅞	10⅞	5	2½	2	7¾	4½	3¾	15½	5½	184JP
	10	28¼	4⅞	5⅞	11	3⅞	10⅞	5	2½	2	9½	5¼	4¼	16½	7	215JP
3x4-7 SEH	15	28¼	4⅞	5⅞	11	3⅞	10⅞	5	2½	2	9½	5¼	4¼	16½	7	215JP
	7½	27¾	4½	5¼	13½	4¾	11½	6	*4	*3	7¾	4½	3¾	16½	5½	184JP
	10	29½	4½	5¼	13½	4¾	11½	6	*4	*3	9½	5¼	4¼	17½	7	215JP
	15	29½	4½	5¼	13½	4¾	11½	6	*4	*3	9½	5¼	4¼	17½	7	215JP
	20	34¾	4½	5¼	13½	4¾	11½	6	*4	*3	11½	6¼	5	17½	10	255JP
	25	35½	4½	5¼	13½	4¾	11½	6	*4	*3	13½	7	5½	17½	11	284JP
30	35½	4½	5¼	13½	4¾	11½	6	*4	*3	13½	7	5½	17½	11	284JP	

*ASE Flange

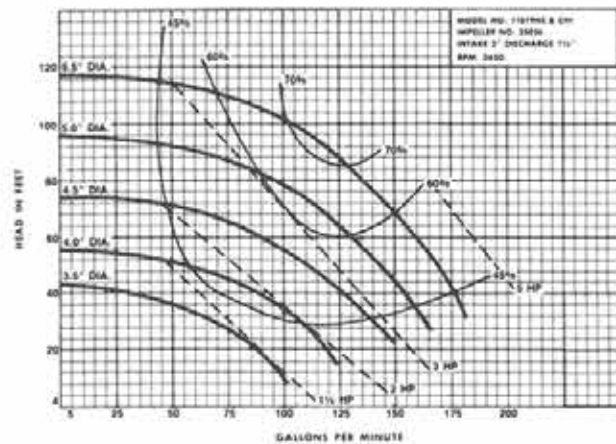
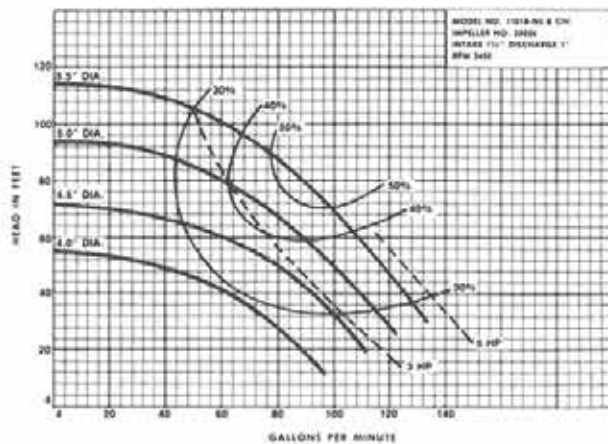
PERFORMANCE DATA 1725 RPM



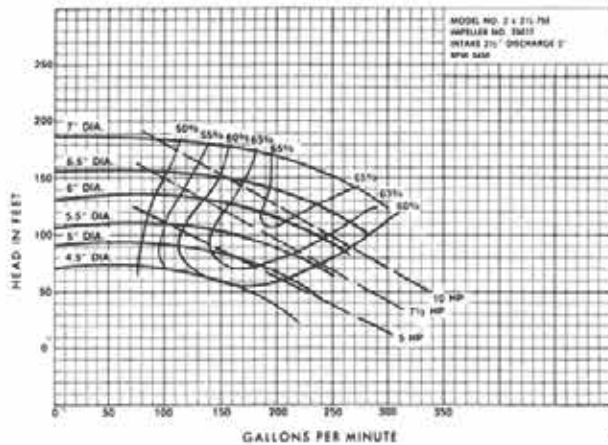
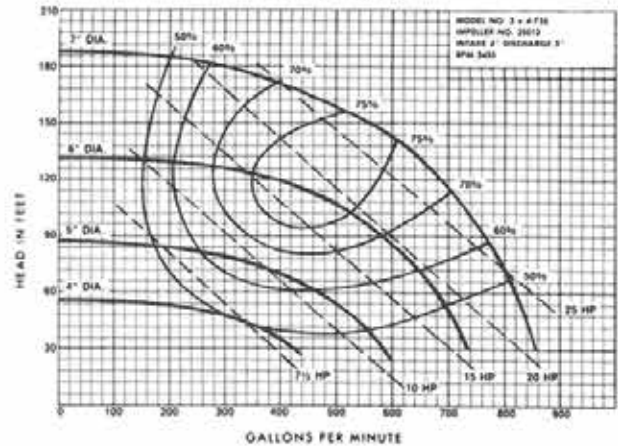
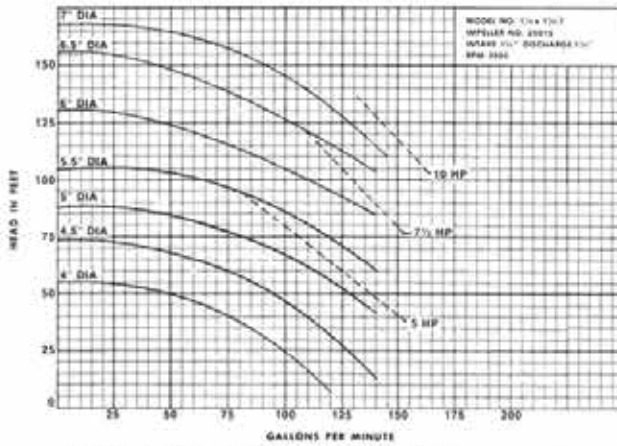
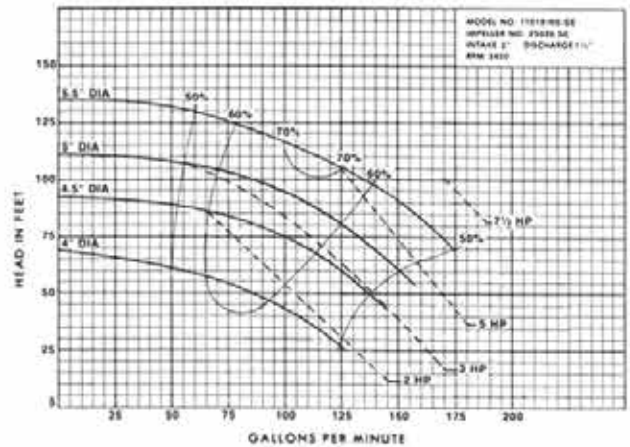
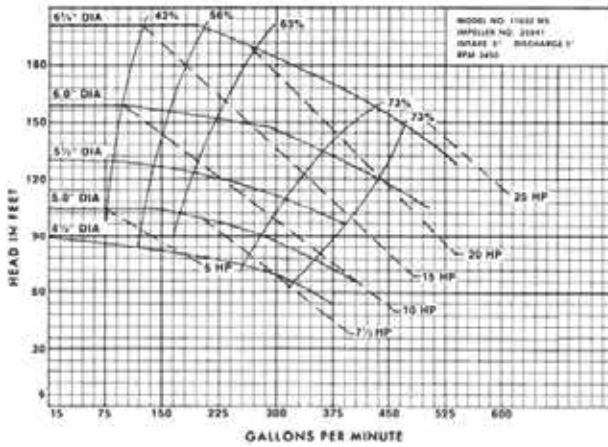
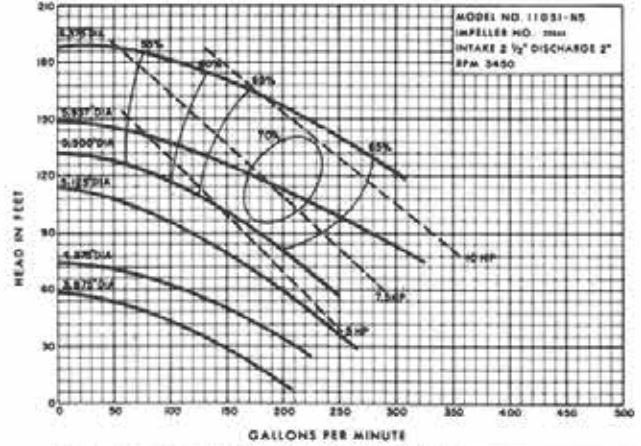
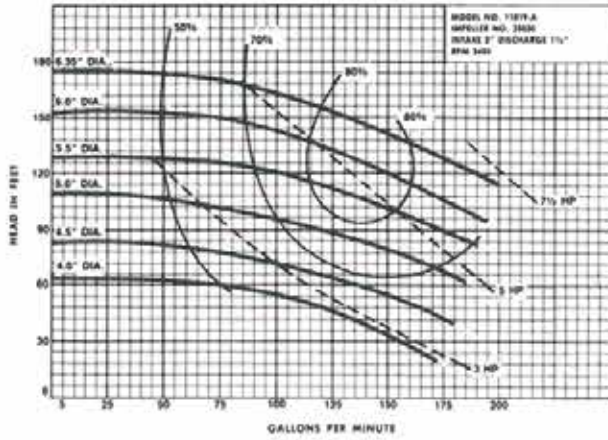
PERFORMANCE DATA 1725 RPM



PERFORMANCE DATA 3450 RPM



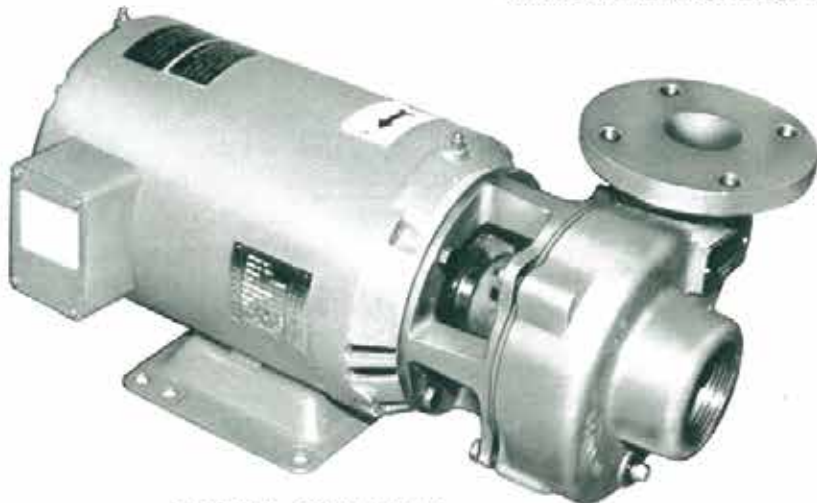
PERFORMANCE DATA 3450 RPM



INDUSTRIAL HORIZONTAL CLOSE COUPLED PUMPS

Models—1¼x1½-5E, 2x2½-6E, 3x3-6E

A NEW ADDITION TO OUR 7800 SERIES. THESE PUMPS ARE OF RUGGED DESIGN FOR USE IN MANY APPLICATIONS, SUCH AS, WATER OR CHEMICAL CIRCULATION, COOLANT HANDLING, INDUSTRIAL WASHERS AND FILTRATION SYSTEMS OF ALL TYPES.



MODEL 2X2½X6E

All models available with ODP or TEFC motors, 230/460 volts, 60 CY., 3 PH, 3450 RPM standard. Other speeds and current characteristics available. Specify when ordering.

RANGES:

0 to 600 GPM @ 3450 RPM
70 to 150 ft. TDH @ Shut Off @ 3450 RPM

1750 RPM performance available.
Call for curves.

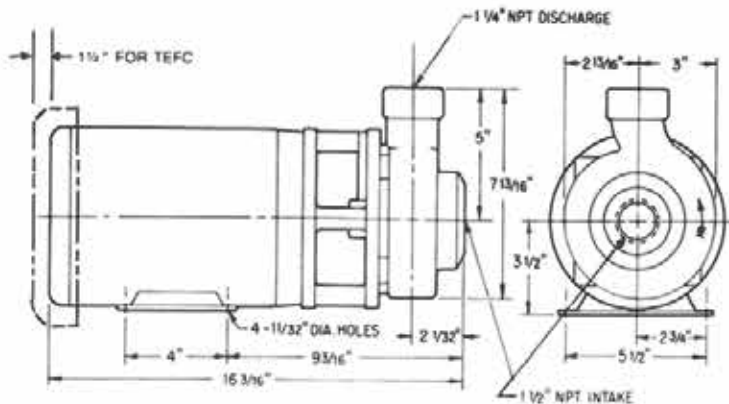
FEATURES:

- Standard close coupled pump motors.
- Stainless shaft sleeve standard equipment
- Available in cast iron, bronze fitted, stainless steel fitted, all bronze or all stainless steel construction.
- Maintenance free operation
 1. Heavy duty mechanical seals for positive sealing.
 2. Greased for life ball bearing. No lubricating motor ball bearings.
- Back-pull-out design for ease when maintenance is required.

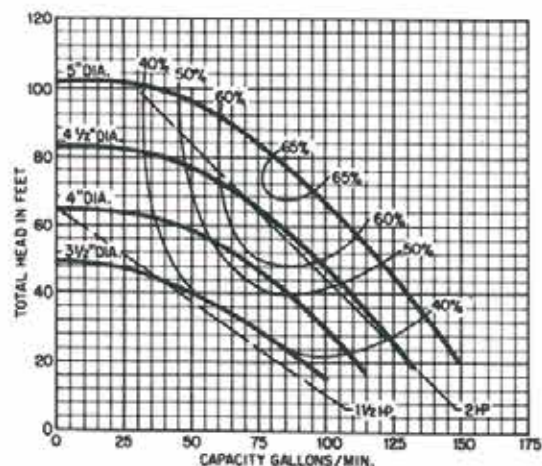
SIZES:

1¼" NPT & Discharge on Model 1¼X1½-5E
2" ASE 150# Flanged Discharge on Model 2X2½X6E
3" ASE 150# Flanged & Discharge on Model 3X3X6E

PUMP MODEL 1¼X1½-6E 7800 SERIES



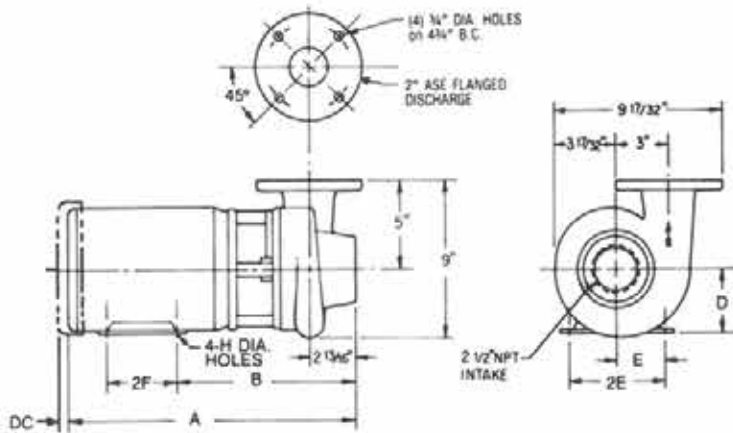
Dimensions for ODP Motors.
Dimensions for Estimating Only.
Certified Drawings available upon request.



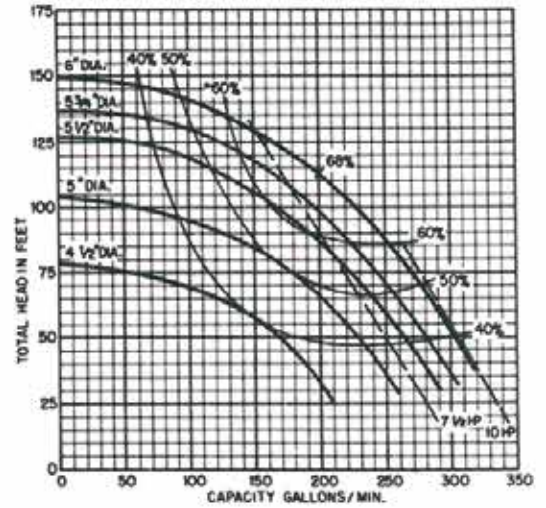
Head and G.P.M. Measured at the Discharge Pumping Water at approx. 70°F S.G. of 1.

INDUSTRIAL HORIZONTAL CLOSE COUPLED PUMPS

PUMP MODEL 2X2½X6E 7800 SERIES



Dimensions for Estimating Only.
Certified Drawings available upon request.



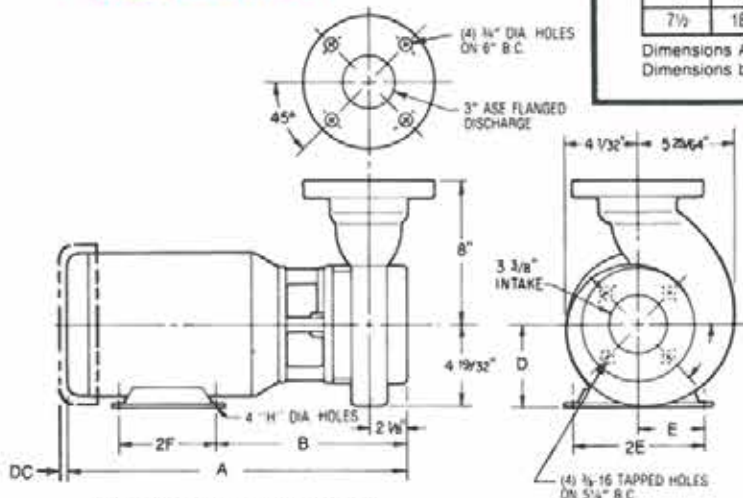
Head and G.P.M. Measured at the Discharge
Pumping Water at approx. 70°F S.G. of 1.

DIMENSIONS IN INCHES

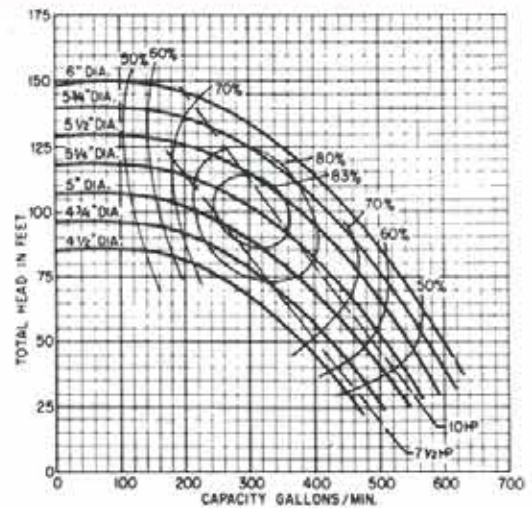
HORSE POWER	N.E.M.E. FR. SIZE O.D.P.	N.E.M.A. FR. SIZE T.E.F.C.	A	B	D	DC	E	2E	2F	H
2	145JM	145JM	17 ¹ / ₁₆	9 ¹⁵ / ₁₆	3 ¹ / ₂	1 ¹ / ₄	2 ³ / ₄	5 ¹ / ₂	5	1 ¹ / ₃₂
3	145JM	145JM	17 ¹ / ₁₆	10 ¹ / ₁₆	3 ¹ / ₂	2	2 ³ / ₄	5 ¹ / ₂	5	1 ¹ / ₃₂
5	182JM	184JM	19 ¹ / ₁₆	10 ⁹ / ₁₆	4 ¹ / ₂	1 ⁹ / ₁₆	3 ³ / ₄	7 ¹ / ₂	4 ¹ / ₂	1 ³ / ₃₂
7 ¹ / ₂	184JM	184JM	19 ¹ / ₁₆	10 ⁹ / ₁₆	4 ¹ / ₂	3 ¹ / ₁₆	3 ³ / ₄	7 ¹ / ₂	5 ¹ / ₂	1 ³ / ₃₂

Dimensions A & DC vary with motor manufacturer.
Dimensions based on 230/460V, 60 Cy., 3 Ph. motors

PUMP MODEL 3X3-6E 7800 SERIES



Dimensions for Estimating Only.
Certified Drawings available upon request.



Head and G.P.M. Measured at the Discharge
Pumping Water at approx. 70°F S.G. of 1.

DIMENSIONS IN INCHES

HORSE POWER	N.E.M.E. FR. SIZE O.D.P.	N.E.M.A. FR. SIZE T.E.F.C.	A	B	D	DC	E	2E	2F	H
5	184JP	184JP	22 ¹ / ₁₆	14 ¹ / ₁₆	4 ¹ / ₂	1 ⁵ / ₁₆	3 ³ / ₄	7 ¹ / ₂	5 ¹ / ₂	1 ³ / ₃₂
7 ¹ / ₂	184JP	213JP	22 ¹ / ₁₆	14 ¹ / ₁₆	4 ¹ / ₂	1 ⁹ / ₁₆	3 ³ / ₄	7 ¹ / ₂	5 ¹ / ₂	1 ³ / ₁₆
10	213JP	215JP	24 ¹ / ₁₆	14 ¹⁵ / ₁₆	5 ¹ / ₄	1 ³ / ₈	4 ¹ / ₄	8 ¹ / ₂	5 ¹ / ₂	1 ³ / ₃₂
15	215JP	254JP	24 ¹ / ₁₆	14 ¹⁵ / ₁₆	5 ¹ / ₄	1 ³ / ₈	4 ¹ / ₄	8 ¹ / ₂	7	1 ⁷ / ₃₂

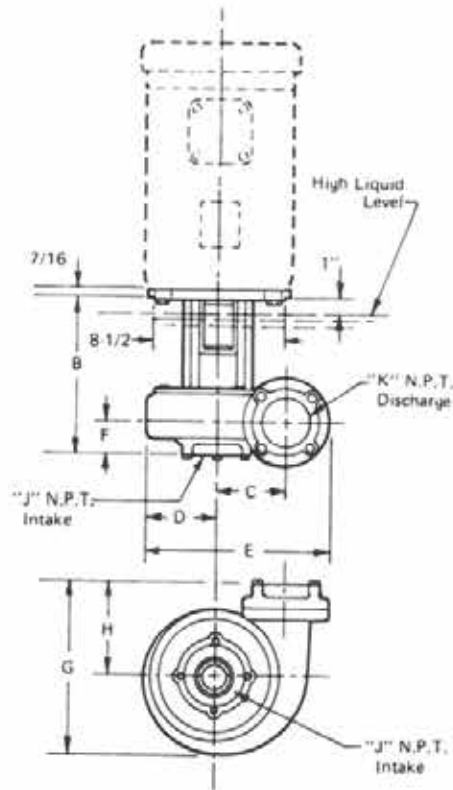
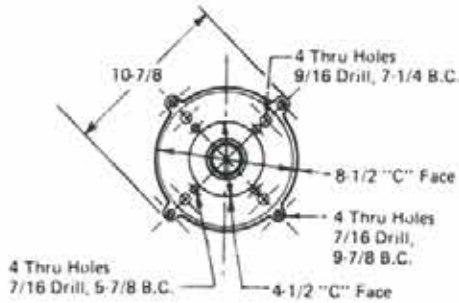
Dimensions A & DC vary with motor manufacturer.
Dimensions based on 230/460V, 60 Cy., 3 Ph. motors

*TEFC

DIRECT DRIVE PUMPS

Models — DD-2X2½, DD-3X3

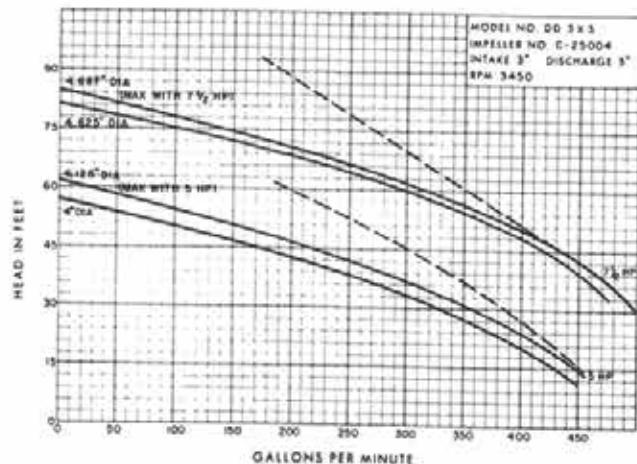
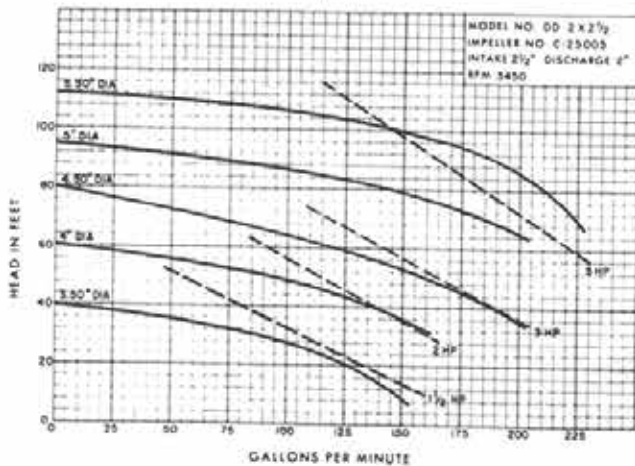
Direct Drive pumps permit mounting of standard 56C fr up to 215TC fr motors to the pump without requiring a flexible coupling. The motor shaft fits snugly into the pump shaft, and the connection of the two shafts is keyed and secured by a self locking, nylon tipped set screw. In addition to being compact, this style is readily mounted to your machine without requiring a special mounting plate.



Dimensions in Inches

Model	B	C	D	E	F	G	H	J	K
								N.P.T.	N.P.T.
DD-2x2½	9 3/32	2 1/4	4 3/16	8 13/16	1 7/8	10 13/16	6	2 1/2	2
DD-3x3	9 23/32	4 1/2	4 3/16	11 3/4	3 13/16	10 13/16	5 1/2	3	3

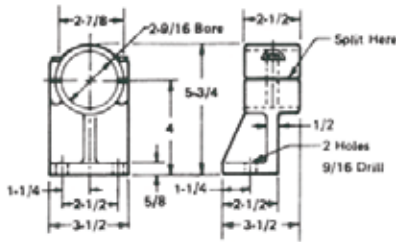
Above dimensions are for estimating only. Write for certified drawings.



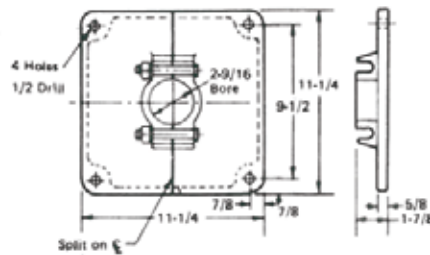
ACCESSORIES AND ORDERING INFORMATION

Accessories

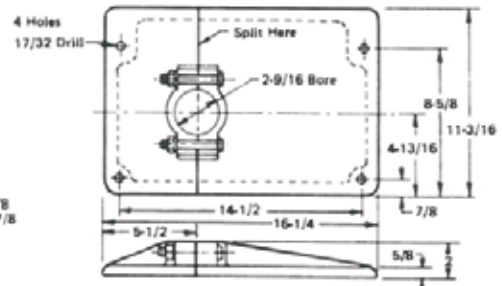
ANGLE BRACKET
Part No. 34026



SQUARE PLATE BRACKET
Part No. 34000



RECTANGULAR PLATE BRACKET
Part No. 34006



Ordering Information

When ordering a Gusher Pump Specify the following information
PUMP MODEL NUMBER _____

HYDRAULIC SPECIFICATIONS { G.P.M. _____
FT. HD. _____

MOTOR CHARACTERISTICS { HP _____
RPM _____
VOLTAGE _____
CYCLE _____
PHASE _____

NOTE: When ordering pumps with longer than standard lengths specify length required.

WE CAN HELP

Our Sales Department will help you select the proper pump for your application. Call or write. Catalog dimensions are for reference only, request certified drawings from factory. Performance curves are available on all pumps.

OTHER GUSHER PUMPS

For additional information on other Gusher Pumps request brochures by name.



A RUTHMAN COMPANY
www.gusher.com

Gusher Pumps of Dry Ridge

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

Gusher Pumps of California

8226 Salt Lake Avenue
Cudahy, CA 90201
Phone: 323-773-0847
Fax: 323-773-0958
Email: gusherca@aol.com

Gusher Pumps of New Castle

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

Additional Ruthman Company Partners:

BSM Pump Corp.

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

FPI Pumps, Inc.,

814 Hammondville Road
Pompano Beach, FL 33060
Phone: 954.946.3066
Fax: 954.946.3111
E-Mail: sales@fpipumps.com

Fulflo Specialties

459 East Fancy Street
Blanchester, Ohio 45107
Phone: 937-783-2411
Fax: 937-783-4983
Web: www.fulflo.com

Great Lakes Pump & Supply Co.

1075 Naughton
Troy, MI 48083
Phone: 248-528-9100
Fax: 248-528-9015
Web: www.greatlakespump.com

Ruthman... Another Word for Innovation



It began in 1912, serving the mechanical components of the steamboats on the Ohio River. The company founder, Alois Ruthman, was a man of vision and saw part of the future of the company was the development of a reliable industrial pump.

In 1924, with the conception of the first ball bearing sealless centrifugal pump, Ruthman Pump and Engineering furthered the design on a unit with a one piece motor driven shaft. The pump was named "Gusher", giving birth to the trade name Gusher Pumps, and the coining of the term "coolant pump".

Wanting to carry on the tradition of quality and reliability started by his father, Thomas R. Ruthman joined the company in 1949. In the early 1990's, Thomas R. Ruthman's son, Thomas G. Ruthman joined the company, continuing this same tradition. Maintaining the reputation of Gusher Pumps by innovation and customer service, Ruthman Companies has grown to service companies worldwide.

Great Southern Pump

4555 South St.
Titusville, FL 32780
Phone: (321) 607-3730
Email: sthurrott@greatsouthernpump.com
Web: www.greatsouthernpump.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. Michigan, Main Headquarters

23633 Pinewood
Warren, MI 48091
Phone: 586-757-5711
Fax: 586-758-6996
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