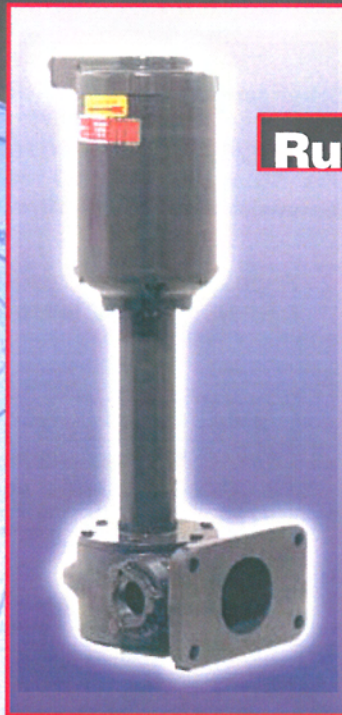


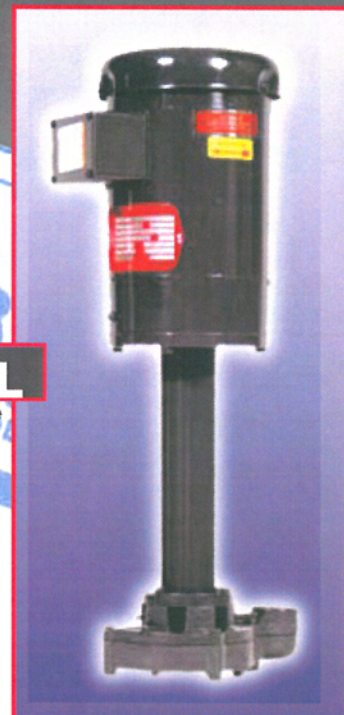
# Industrial Coolant Pumps and Accessories



A RUTHMAN COMPANY  
www.gusher.com



**Ruthman**  
Flange Mount



**UD-L**  
Below Plate



**6P-3**  
Above Plate

**GUSHER**  
MOTOR DRIVEN  
& INDUSTRIAL

WHEN ORDERING SPECIFY

- Model UD X-Long, Long or Short
- Impeller 3500, 2217-T, or 2325-DS
- Motor HP

Power and Current

Plastic Impeller Standard.  
Upon Receipt

— 220/60 cycles  
volts 60 cycles.

Characteristics available.

ENSIONS IN INCHES

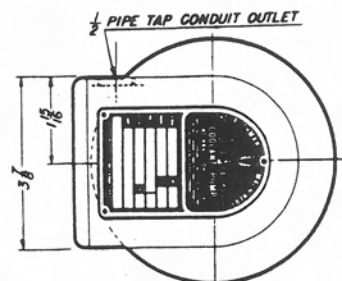
A		B	
LONG	SHORT		
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	
21 1/2"	16 1/2"	9 1/4"	

Quality  
Pressure

H.P.	VOLTS	PHASE
1/4	230/460	3
1/4	115/230	1
1/2	230/460	3
1/2	115/230	1
3/4	230/460	3
3/4	115/230	1
1	230/460	3
1	115/230	1

A & B DIMENSIONS VARY

**R**  
RUTHMAN  
COMPANIES



**MODEL  
1-P3**

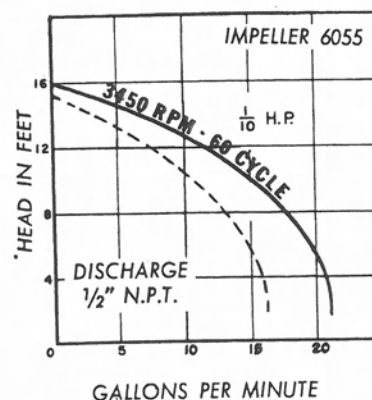
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

- **Model 1-P3 X-Long, Long or Short**
- **Motor Horse Power and Current Characteristics**

**NOTE: 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles.**

**Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.
1/10	230/460	3 Ph. or	60	3450
1/10	115/230	1 Ph.	60	3450



Head & Gallons Per Minute Measured  
at the Discharge.

**Solid**  
**Line** ——— Soluble Coolant, 72°F.

**Broken**  
**Line - - - - -** 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

**Equipped with integral mounting flange.**



# GUSHER® 1-P3 MINI

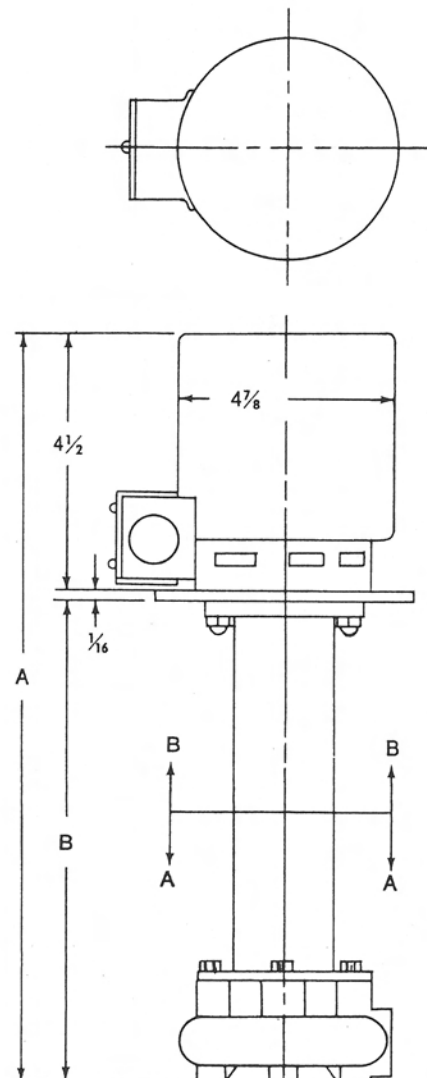
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

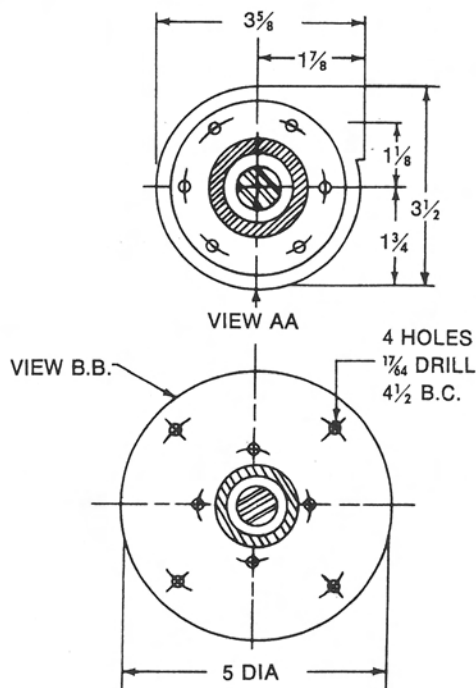
- Model 1-P3 MINI
- Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

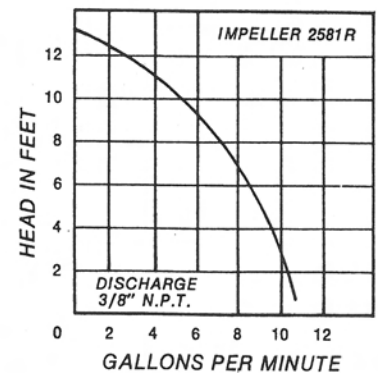
### DIMENSIONS IN INCHES



H.P.	VOLTS	PHASE	CYCLE	R.P.M.	A			B		
					X-LONG	LONG	SHORT	X-LONG	LONG	SHORT
1/25	115	1	60	3000	14 5/16	13 5/16	11 5/16	10	8 3/4	6 3/4
1/25	230	1	60	3000	14 5/16	13 5/16	11 5/16	10	8 3/4	6 3/4

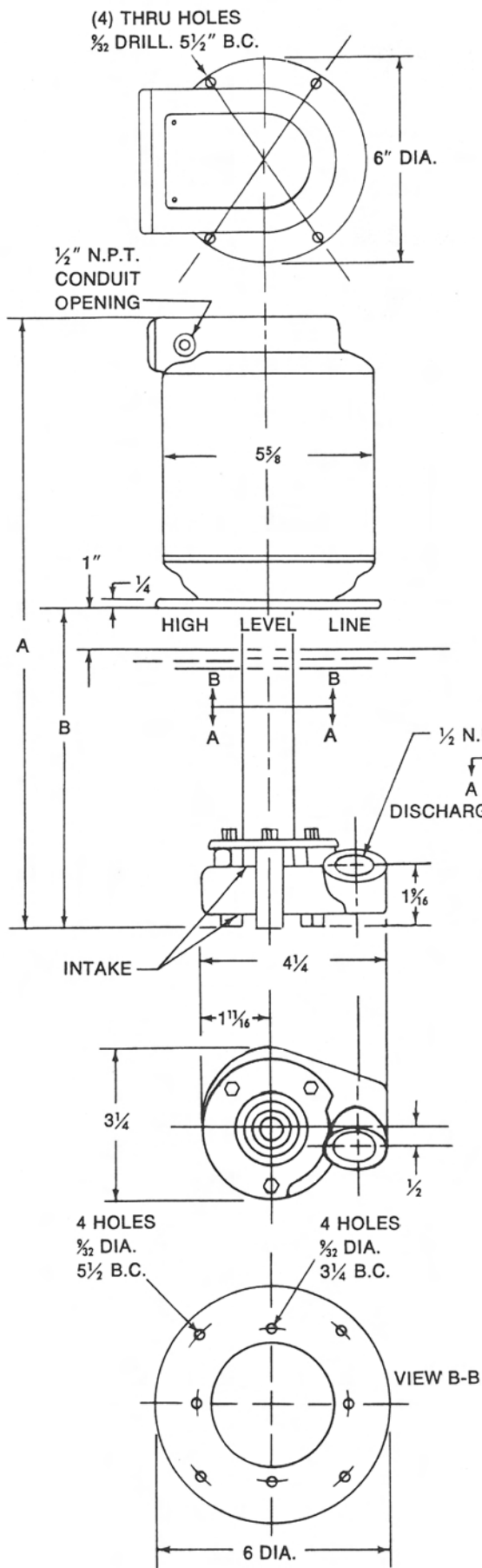


### 3000 R.P.M.



Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72°F.



MODEL  
**145 1/2 — .166**  
AND  
**145 1/2 + 4.166**

**MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**

**WHEN ORDERING SPECIFY**

● Model 145 1/2 — .166 or 145 1/2 + 4.166

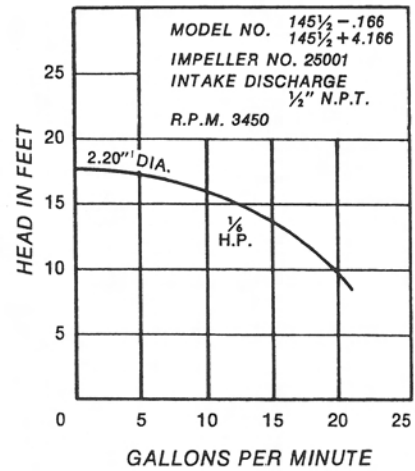
● Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

**Dimensions in inches**

MODEL	A	B	H.P.	R.P.M.
145 1/2 — .166	17 5/8	10 1/2	1/6	3450
145 1/2 + 4.166	21 5/8	14 1/2	1/6	3450

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME
1/6	230/460	3	60	3450	48
1/6	115/230	1	60	3450	TENV.

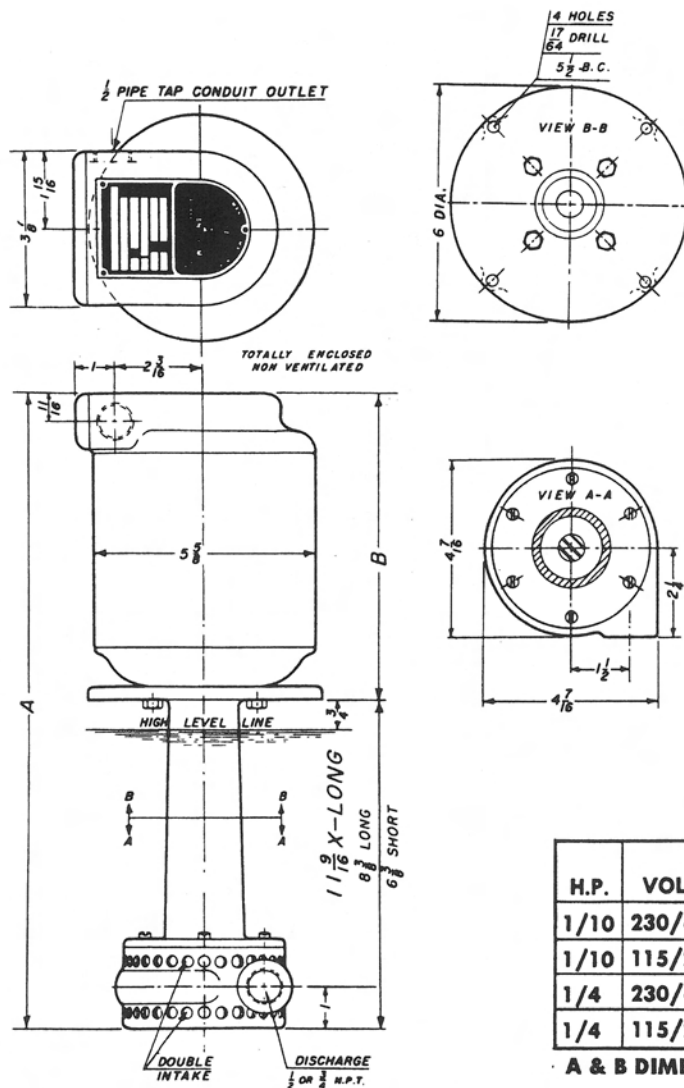


Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72°F.

EQUIPPED WITH INTEGRAL MOUNTING FLANGE





# GUSHER®

MODEL  
**9025**

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

- Model 9025 X-Long, Long or Short
- Size of Discharge Pipe 1/2" or 3/4"
- Impeller 6081 or 6081-A

- Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

Other current characteristics available.

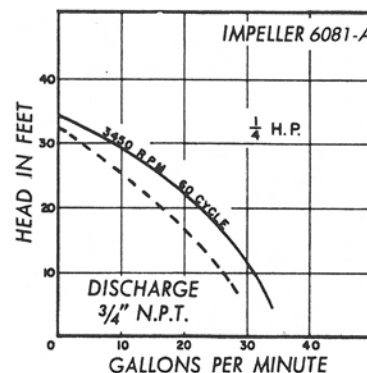
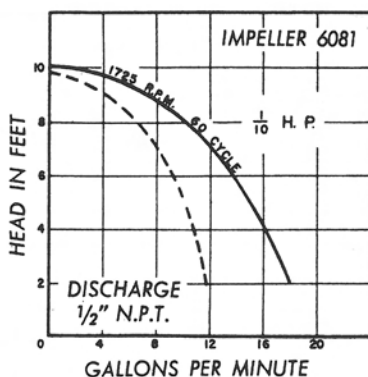
**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/10	230/460	3	60	1725	48 TENV	18 <sup>11</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>8</sub>
1/10	115/230	1	60	1725		18 <sup>11</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>8</sub>
1/4	230/460	3	60	3450		18 <sup>11</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>8</sub>
1/4	115/230	1	60	3450		18 <sup>11</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>8</sub>

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

Equipped with integral mounting flange.



### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE.

SOLID LINE — Soluble Coolant, 72°F. BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

# GUSHER®

## MODEL 9040

### MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

#### WHEN ORDERING SPECIFY

- Model 9040 X-Long, Long or Short
- Size of Discharge Pipe  $\frac{1}{2}$ " or  $\frac{3}{4}$ "
- Impeller 6061, 6061-CL or 6061-DL
- Motor Horse Power and Current Characteristics  
Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles.

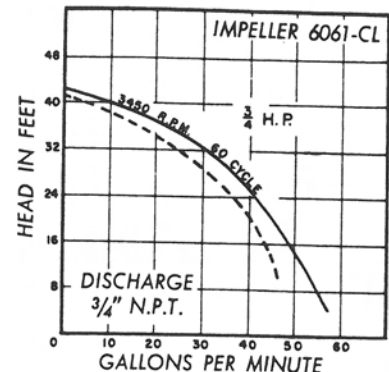
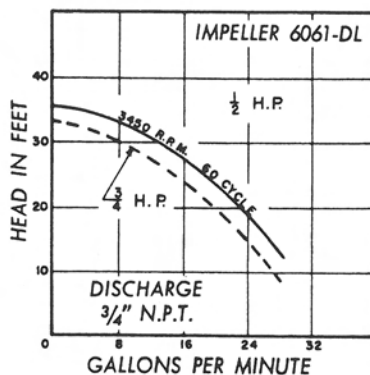
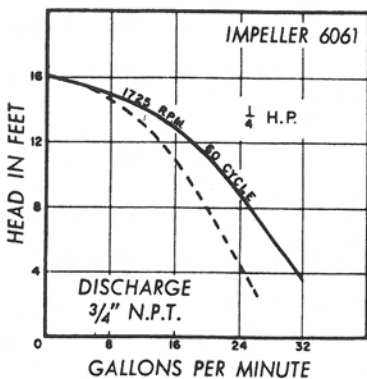
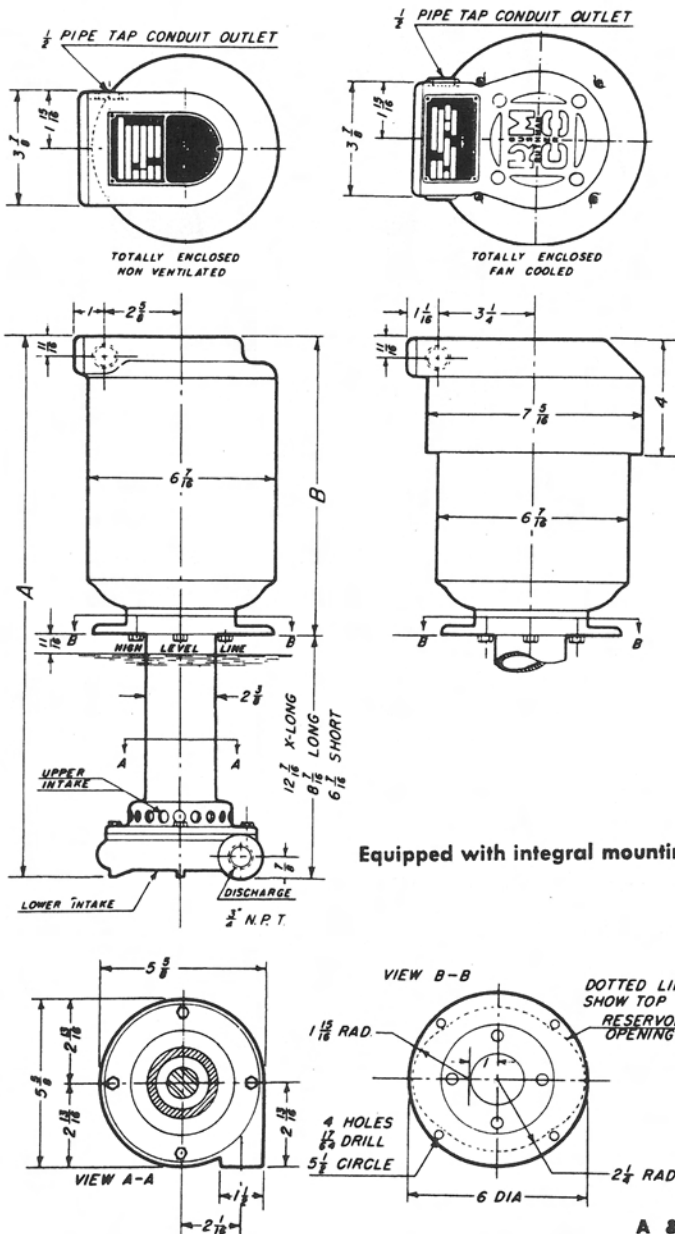
Other current characteristics available.

Equipped with integral mounting flange.

#### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	22	18 $\frac{1}{16}$	16 $\frac{1}{16}$	9 $\frac{1}{16}$
1/4	115/230	1	60	1725		20 $\frac{1}{2}$	16 $\frac{1}{8}$	14 $\frac{1}{8}$	7 $\frac{15}{16}$
1/2	230/460	3	60	3450		22 $\frac{15}{16}$	18 $\frac{15}{16}$	16 $\frac{15}{16}$	10 $\frac{1}{2}$
1/2	115/230	1	60	3450		23 $\frac{1}{16}$	19 $\frac{1}{16}$	17 $\frac{1}{16}$	11 $\frac{1}{8}$
3/4	230/460	3	60	3450	56 TEFC	22 $\frac{1}{2}$	18 $\frac{1}{2}$	16 $\frac{1}{2}$	10 $\frac{1}{16}$
3/4	115/230	1	60	3450		23 $\frac{1}{8}$	19 $\frac{1}{8}$	17 $\frac{1}{8}$	11 $\frac{1}{4}$

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE.

SOLID LINE — Soluble Coolant, 72°F. BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.



# 6-P3

## WHEN ORDERING SPECIFY

- **Model 6-P3 X-Long, Long or Short**
- **Impeller 6055, 6081-A or 6183**
- **Motor Horse Power and Current Characteristics**

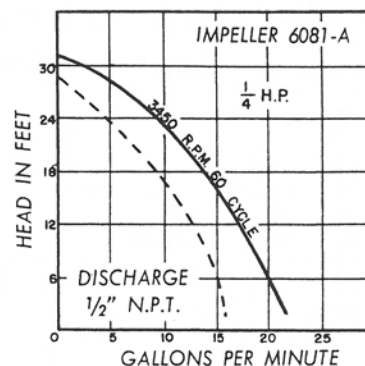
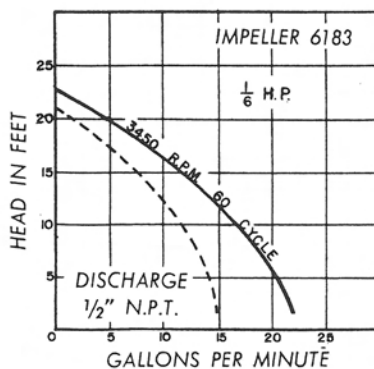
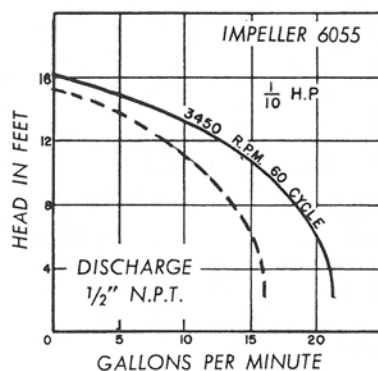
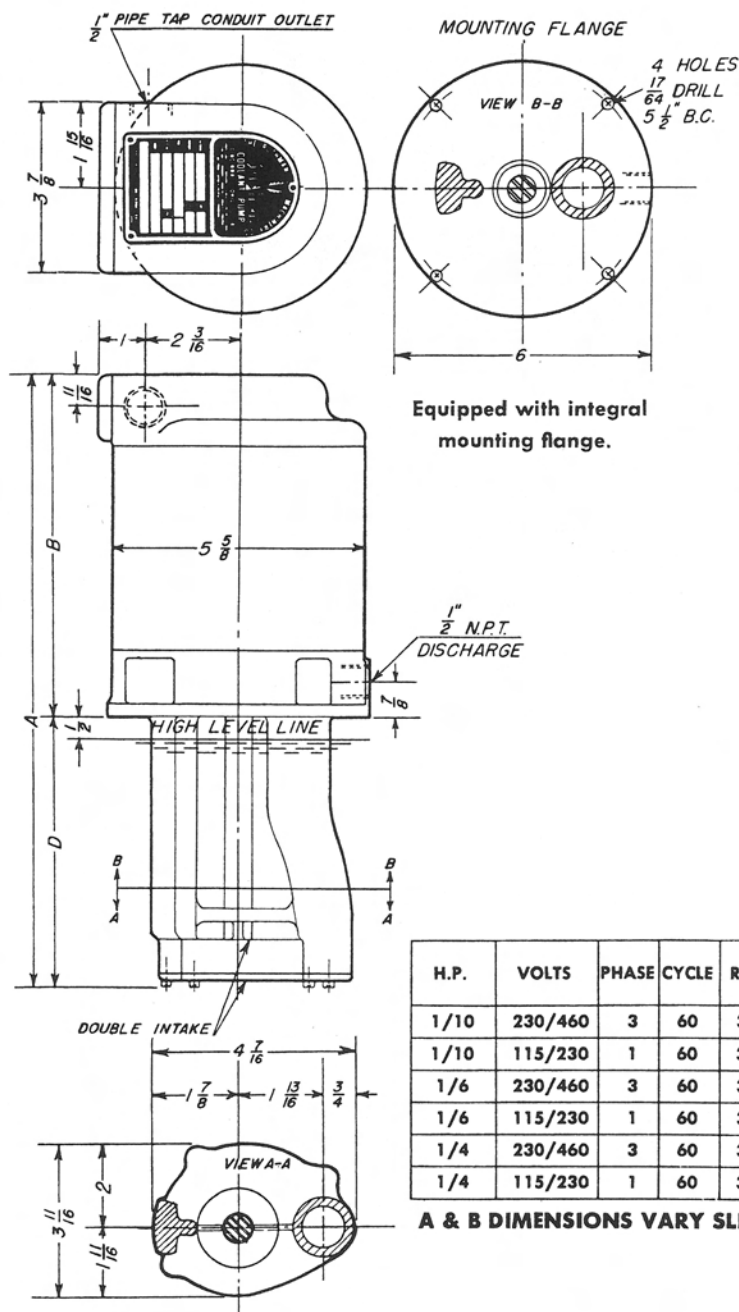
**Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.**

**NOTE: 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.**

**Other current characteristics available.**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	D		
						X-LONG	LONG	SHORT		X-LONG	LONG	SHORT
1/10	230/460	3	60	3450	48 TENV	20%	16%	15	8%	12	7½	6¾
1/10	115/230	1	60	3450		20%	16%	15	8%	12	7½	6¾
1/6	230/460	3	60	3450		20%	16%	15	8%	12	7½	6¾
1/6	115/230	1	60	3450		20%	16%	15	8%	12	7½	6¾
1/4	230/460	3	60	3450		20%	16%	15	8%	12	7½	6¾
1/4	115/230	1	60	3450		20%	16%	15	8%	12	7½	6¾
1/4	115/230	1	60	3450		20%	16%	15	8%	12	7½	6¾

**A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS**

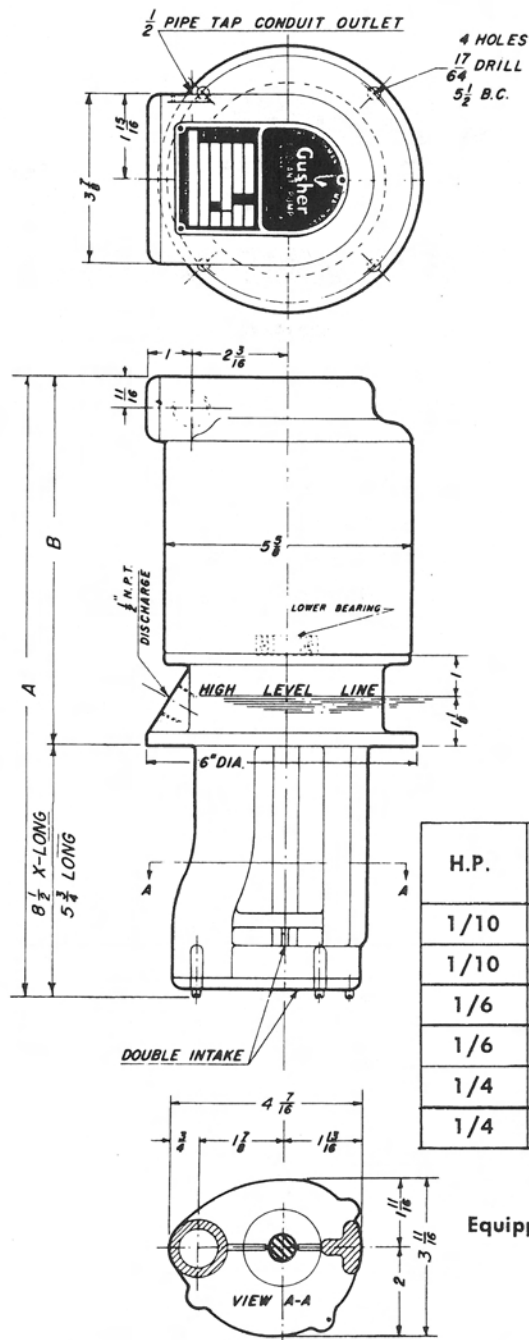


### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

**SOLID LINE** ————— Soluble Coolant, 72°F.

**BROKEN LINE - - - - 200 SSU Oil, 100°F.**

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.



# MODEL GUSHER® 8-P3

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

- Model 8-P3 X-Long or Long
- Impeller 6055, 6081-A or 6183
- Motor Horse Power and Current Characteristics  
Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

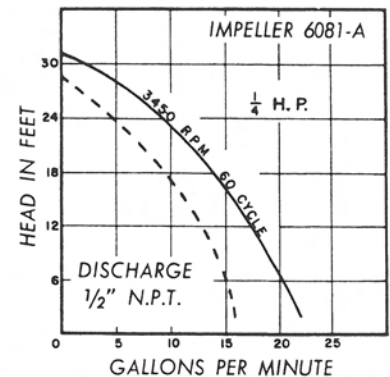
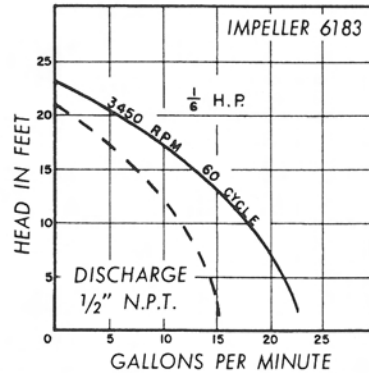
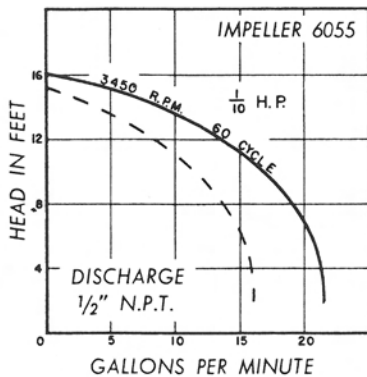
Other current characteristics available.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						X-LONG	LONG	
1/10	230/460	3	60	3450	48 TENV	17 $\frac{1}{8}$	14 $\frac{3}{8}$	8 $\frac{5}{8}$
1/10	115/230	1	60	3450		17 $\frac{1}{8}$	14 $\frac{3}{8}$	8 $\frac{5}{8}$
1/6	230/460	3	60	3450		17 $\frac{1}{8}$	14 $\frac{3}{8}$	8 $\frac{5}{8}$
1/6	115/230	1	60	3450		17 $\frac{1}{8}$	14 $\frac{3}{8}$	8 $\frac{5}{8}$
1/4	230/460	3	60	3450		17 $\frac{1}{8}$	14 $\frac{3}{8}$	8 $\frac{5}{8}$
1/4	115/230	1	60	3450		17 $\frac{1}{8}$	14 $\frac{3}{8}$	8 $\frac{5}{8}$

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

Equipped with integral mounting flange.



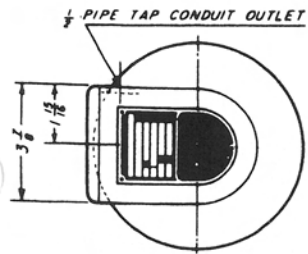
### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

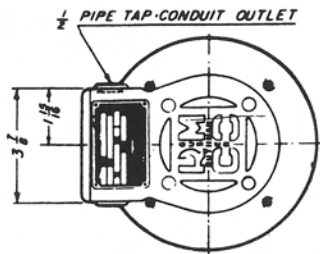
BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

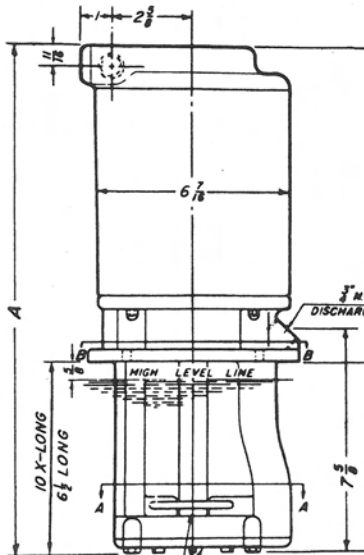




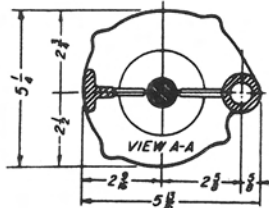
TOTALLY ENCLOSED  
NON VENTILATED



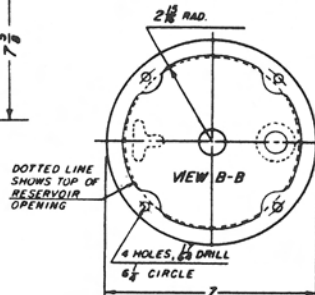
TOTALLY ENCLOSED  
FAN COOLED



DOUBLE INTAKE



Equipped with integral mounting flange.



DOTTED LINE  
SHOWS TOP OF  
RESERVOIR  
OPENING

# GUSHER® MODEL 9050

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

- Model 9050 X-Long or Long
- Impeller 6061, 6061-DL, or 6061-CL
- Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

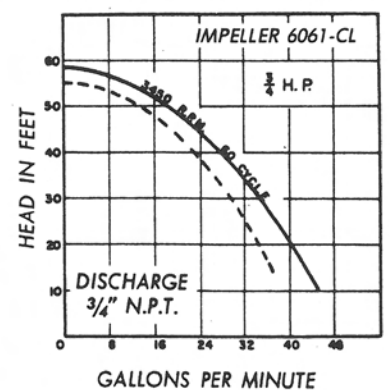
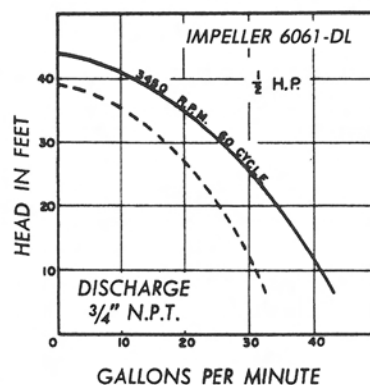
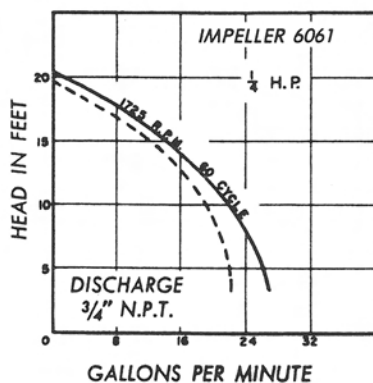
**NOTE:** 208/220/440 volts 50/60 cycles — 220/  
380 volts 50 cycles — 550 volts 50/60 cycles  
same dimensions as 230/460 volts 60 cycles.

Other current characteristics available.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						X-LONG	LONG	
1/4	230/460	3	60	1725	56 TENV	20 1/2	17	10 1/2
1/4	115/230	1	60	1725		18 7/8	15 3/8	8 7/8
1/2	230/460	3	60	3450		21 1/16	17 7/16	11 1/16
1/2	115/230	1	60	3450		22 1/16	18 9/16	12 1/16
3/4	230/460	3	60	3450	56 TEFC	21	17 1/2	11
3/4	115/230	1	60	3450		22 1/16	18 9/16	12 1/16

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

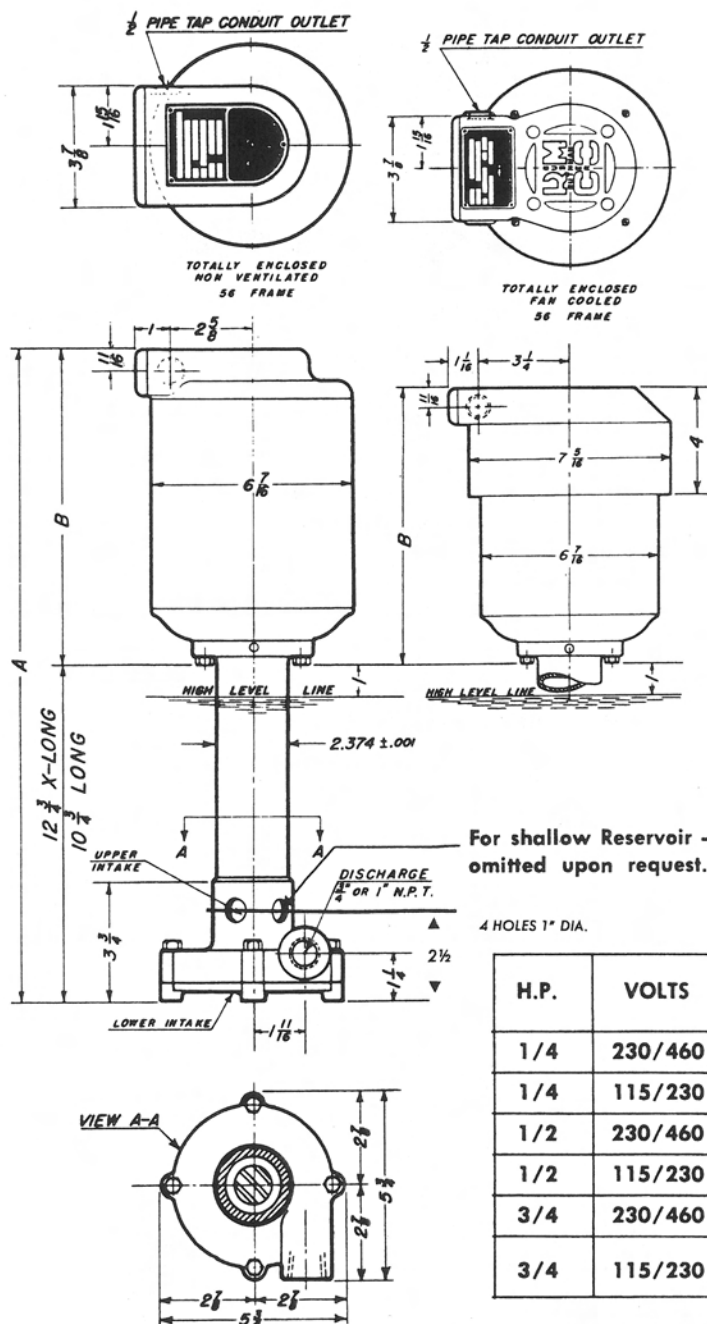


HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE.

SOLID LINE ——— Soluble Coolant, 72°F.

BROKEN LINE - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

**GUSHER®****YL****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model YL X-Long or Long
- Impeller 2167-CN, 2217-S or 3500
- Size of Discharge  $\frac{3}{4}$ " or 1"
- Motor Horse Power and Current Characteristics

Other current characteristics available.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

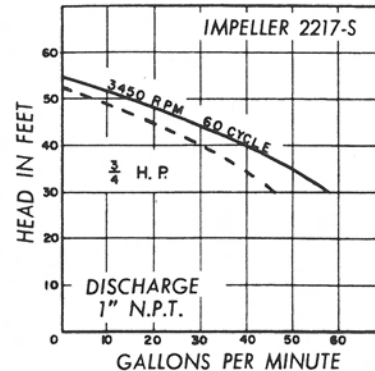
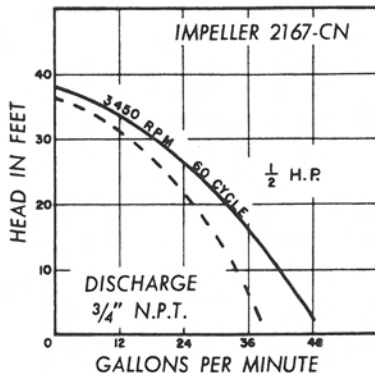
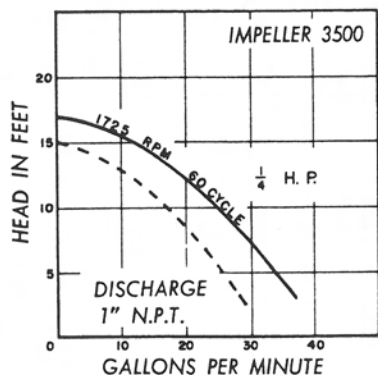
For shallow Reservoir — upper intake holes are omitted upon request. Write for Performance.

4 HOLES 1" DIA.

**DIMENSIONS  
IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						X-LONG	LONG	
1/4	230/460	3	60	1725	56	22 $\frac{1}{8}$	20 $\frac{1}{8}$	9 $\frac{3}{8}$
1/4	115/230	1	60	1725		20 $\frac{1}{2}$	18 $\frac{1}{2}$	7 $\frac{3}{4}$
1/2	230/460	3	60	3450		22 $\frac{11}{16}$	20 $\frac{11}{16}$	9 $\frac{15}{16}$
1/2	115/230	1	60	3450	TENV	24 $\frac{7}{16}$	22 $\frac{7}{16}$	11 $\frac{11}{16}$
3/4	230/460	3	60	3450	56 TEFC	22 $\frac{5}{8}$	20 $\frac{5}{8}$	9 $\frac{7}{8}$
3/4	115/230	1	60	3450		24 $\frac{7}{16}$	22 $\frac{7}{16}$	11 $\frac{11}{16}$

A &amp; B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

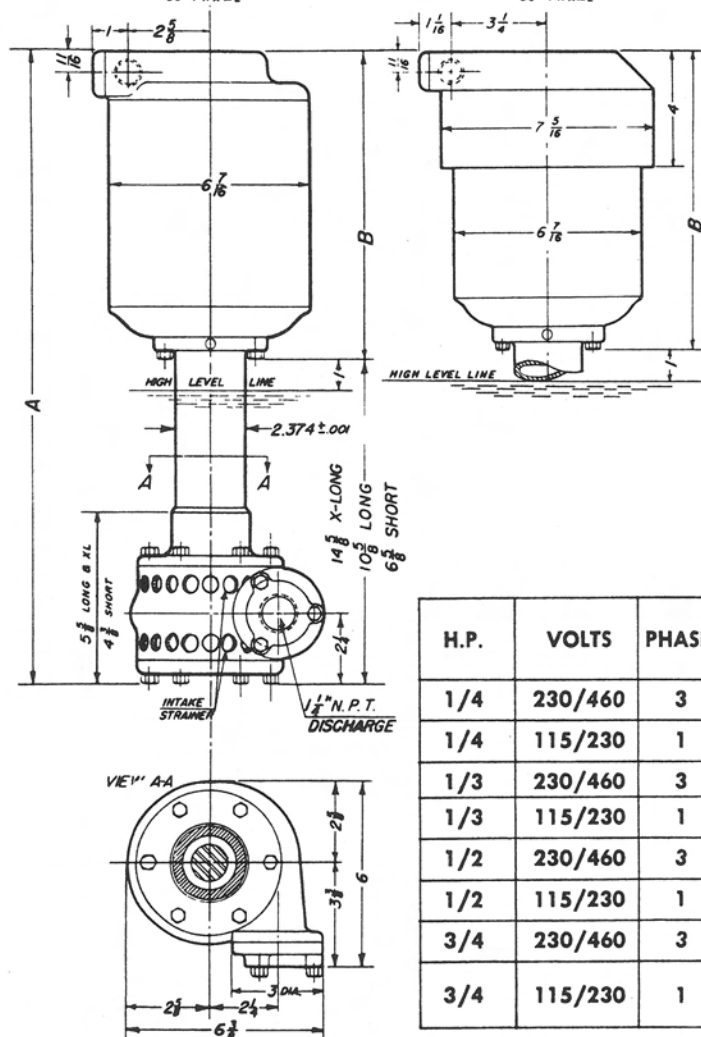
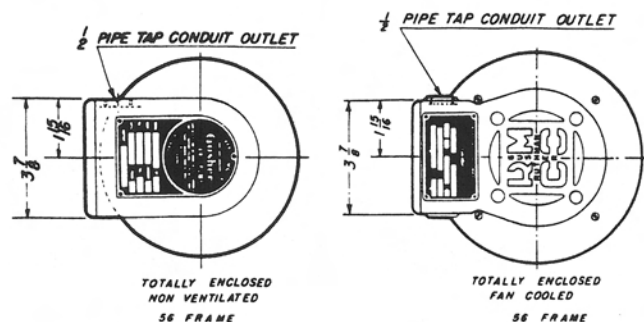
**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.



**GUSHER® 11021****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11021 X-Long, Long or Short
- Impeller 2171, 2281-B or 2281-C
- Motor Horse Power and Current Characteristics

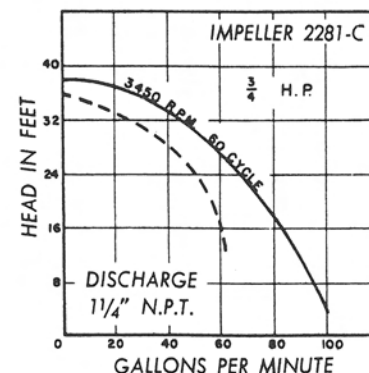
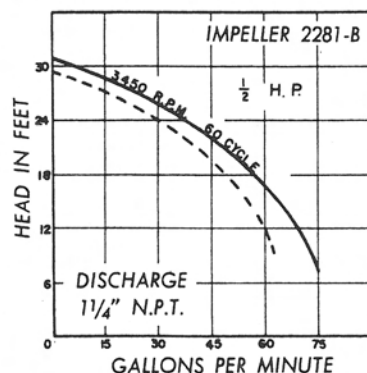
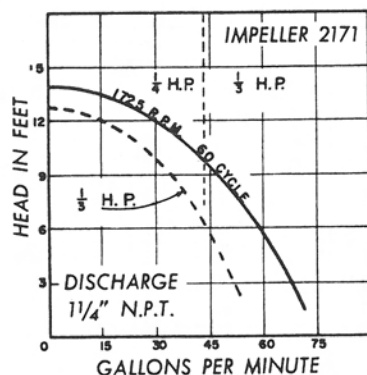
**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	24	20	16	9 3/8
1/4	115/230	1	60	1725		22 3/8	20 3/8	14 3/8	7 3/4
1/3	230/460	3	60	1725		24	20	16	9 3/8
1/3	115/230	1	60	1725		25 3/8	21 3/8	17 3/8	10 3/4
1/2	230/460	3	60	3450		24 1/8	20 9/16	16 9/16	9 5/16
1/2	115/230	1	60	3450		26 5/16	22 5/16	18 5/16	11 11/16
3/4	230/460	3	60	3450	56 TEFC	24 1/2	20 1/2	16 1/2	9 7/8
3/4	115/230	1	60	3450		26 5/16	22 5/16	18 5/16	11 11/16

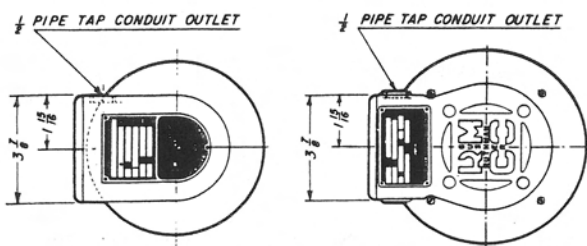
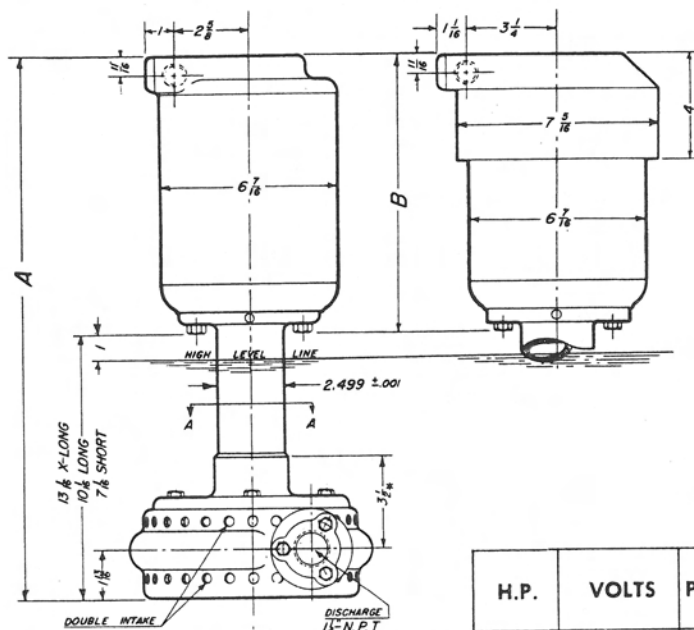
A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

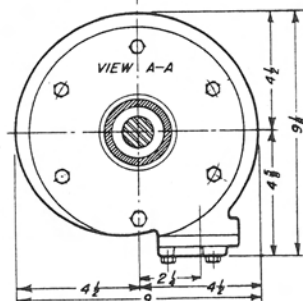
**SOLID LINE** — Soluble Coolant, 72°F.

**BROKEN LINE** - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**GUSHER® 11029****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**TOTALLY ENCLOSED  
NON VENTILATED  
56 FRAMETOTALLY ENCLOSED  
FAN COOLED  
56 FRAME

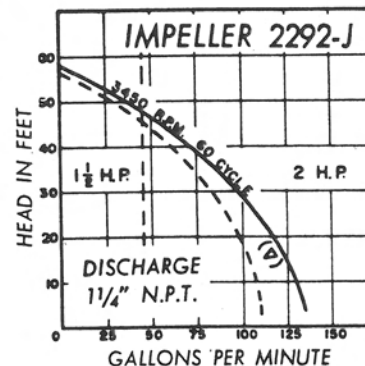
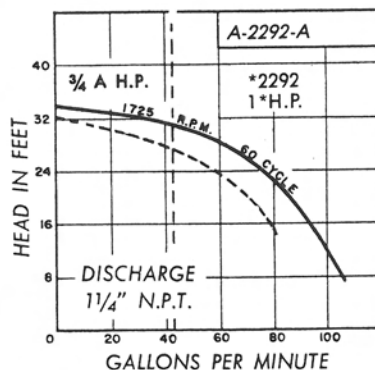
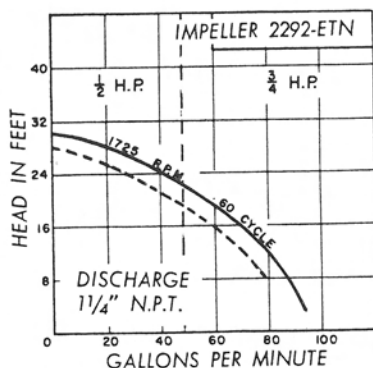
\* SHORT MODEL IS 2 3/4



## DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/2	230/460	3	60	1725	56 TENV	22 <sup>15</sup> / <sub>16</sub>	19 <sup>15</sup> / <sub>16</sub>	16 <sup>15</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>
1/2	115/230	1	60	1725	56 TEFC	23 <sup>13</sup> / <sub>16</sub>	20 <sup>13</sup> / <sub>16</sub>	17 <sup>13</sup> / <sub>16</sub>	10 <sup>3</sup> / <sub>4</sub>
3/4	230/460	3	60	1725	56 TENV	23 <sup>13</sup> / <sub>16</sub>	20 <sup>13</sup> / <sub>16</sub>	17 <sup>13</sup> / <sub>16</sub>	10 <sup>3</sup> / <sub>4</sub>
3/4	115/230	1	60	1725	56 TEFC	23 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	17 <sup>3</sup> / <sub>8</sub>	10 <sup>5</sup> / <sub>16</sub>
1	230/460	3	60	1725		24 <sup>7</sup> / <sub>16</sub>	21 <sup>7</sup> / <sub>16</sub>	18 <sup>7</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>8</sub>
1 1/2	230/460	3	60	3450		24 <sup>7</sup> / <sub>16</sub>	21 <sup>7</sup> / <sub>16</sub>	18 <sup>7</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>8</sub>
2	230/460	3	60	3450		25 <sup>7</sup> / <sub>16</sub>	22 <sup>7</sup> / <sub>16</sub>	19 <sup>7</sup> / <sub>16</sub>	12 <sup>3</sup> / <sub>8</sub>

A &amp; B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



HEAD &amp; GALLONS PER MINUTE MEASURED AT THE DISCHARGE

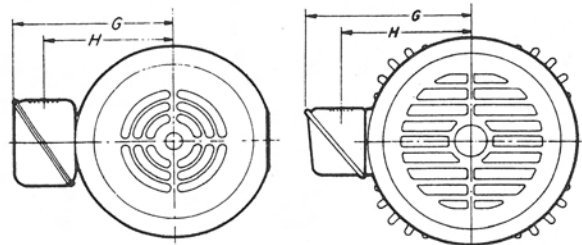
SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

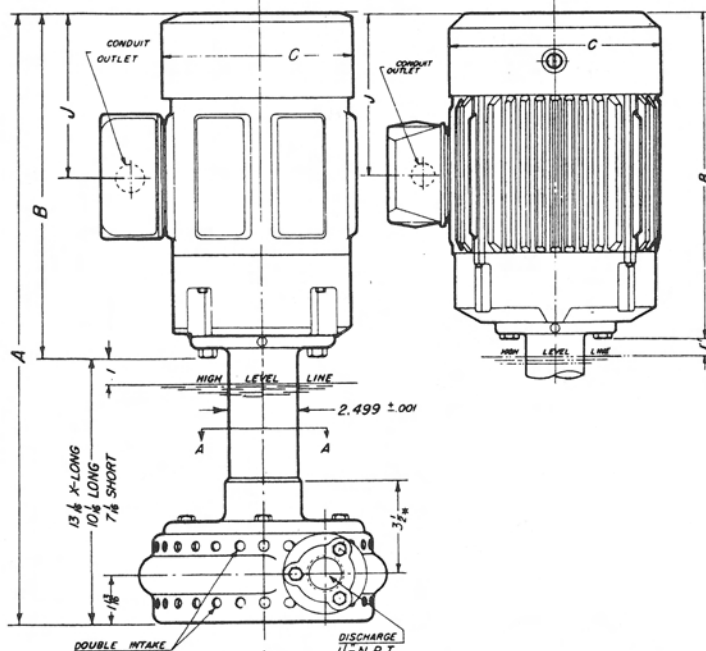
# GUSHER® 11029

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

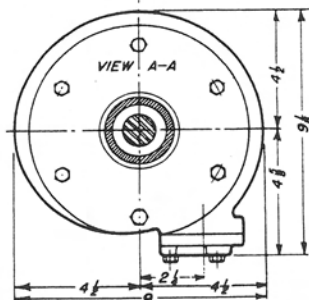


TOTALLY ENCLOSED  
FAN COOLED  
143T & 145T FRAME

TOTALLY ENCLOSED  
FAN COOLED  
182T, 184T & 213T FRAME



\* SHORT MODEL IS 2 3/4"



### WHEN ORDERING SPECIFY

- Model 11029 or 11029-BB, X-Long, Long or Short
- Impeller 2292, 2292-C, 2292-G, 2292-H, 2292-J, 2041-S or 2041-T
- Motor Horse Power & Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.

If 60 cycle performance is desired for 50 cycle operation specify impeller (V) 2292-G; Motor must be wound specifically for 50 cycle.

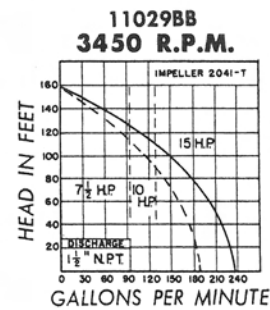
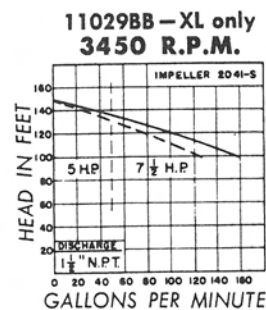
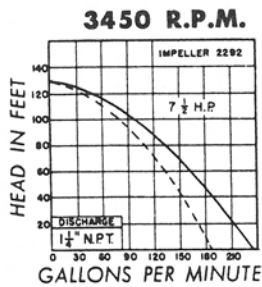
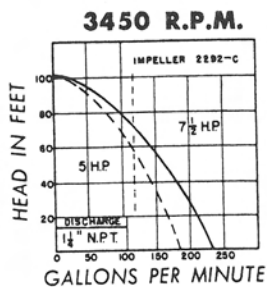
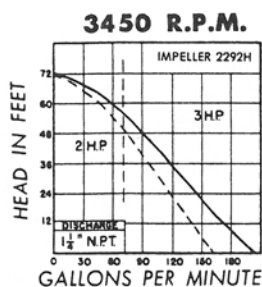
If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2292-C; Motor must be wound specifically for 50 cycle.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	145T TEFC	24 1/16	21 1/16	18 1/16	11 3/8	7 1/4	5 3/8	4 1/4	6 1/4
1 1/2	230/460	3	60	3450		24 1/16	21 1/16	18 1/16	11 3/8	7 1/4	5 3/8	4 1/4	6 1/4
2	230/460	3	60	3450	145T TEFC	25 1/16	22 1/16	19 1/16	12 3/8	7 1/4	5 3/8	4 1/4	6 1/4
3	230/460	3	60	3450	145T TEFC	26 1/16	23 1/16	20 1/16	13 1/4	7 1/4	5 3/8	4 1/4	6 1/4
5	230/460	3	60	3450	145T TEFC	27 1/16	24 1/16	21 1/16	14 1/2	7 1/4	5 3/8	4 1/4	6 1/4
7 1/2	230/460	3	60	3450	182T TEFC	29 1/16	26 1/16	23 1/16	16	10 3/8	9 1/8	7 1/4	8 1/4
7 1/2**	230/460	3	60	3450	184T TEFC	29 1/16	26 1/16	23 1/16	16	10 7/8	9 1/8	7 1/4	8 1/8
10**	230/460	3	60	3450	184T TEFC	29 1/16	26 1/16	23 1/16	16 1/4	10 7/8	9 1/8	7 1/4	8 7/8
15**	230/460	3	60	3450	215T-C TEFC	30 1/16	27 1/16	24 1/16	17 1/4	13	10 1/4	8 3/8	10 3/8

\*\* MODEL 11029-BB (7 1/2 H.P. IS ALSO FURNISHED AS A STANDARD 11029).

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

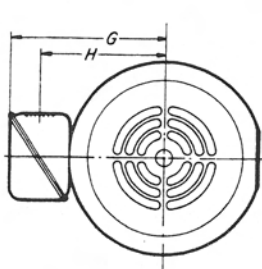
SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - 200 SSU Oil, 100°F.

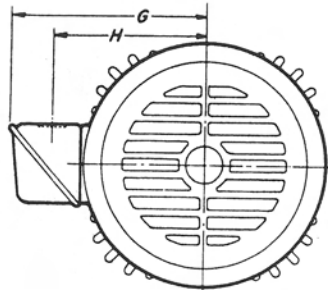
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.







TOTALLY ENCLOSED  
FAN COOLED  
143T & 145T FRAME



TOTALLY ENCLOSED  
FAN COOLED  
182T FRAME

# MODEL GUSHER® 11023-A

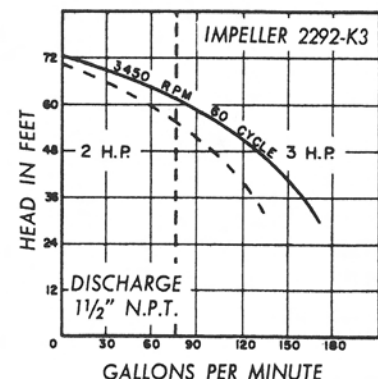
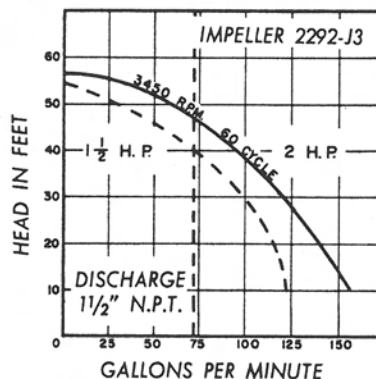
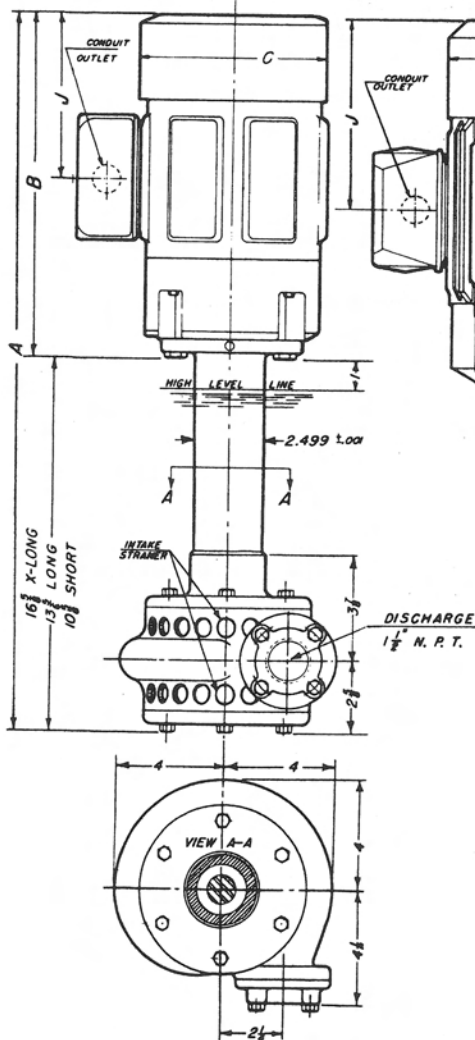
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

- Model 11023-A X-Long, Long or Short
- Impeller 2292-K3 or 2292-J3
- Motor Horse Power & Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycles — 220/  
380 volts 50 cycles — 550 volts 50/60 cycles  
same dimensions as 230/460 volts 60 cycles.  
Except single phase.

Other current characteristics available.



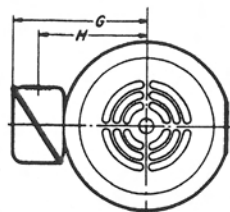
### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

**SOLID LINE** — Soluble Coolant, 72°F. **BROKEN LINE - - - -** 200 SSU Oil, 100°F.  
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

### DIMENSIONS IN INCHES

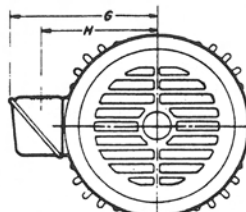
H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1 1/2	230/460	3	60	3450	145T TEFC	28	25	22	11 3/8	7 3/8	5 3/4	4 3/8	6 1/4
2	230/460	3	60	3450	145T TEFC	29	26	23	12 3/8	7 3/8	5 3/4	4 3/8	6 1/4
3	230/460	3	60	3450	145T TEFC	29 7/8	26 7/8	23 7/8	13 1/4	7 3/8	5 3/4	4 3/8	6 1/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



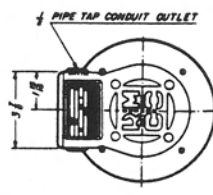
TOTALLY ENCLOSED  
FAN COOLED

145T & 145T FRAME



TOTALLY ENCLOSED  
FAN COOLED

145T, 145T & 213T FRAME



TOTALLY ENCLOSED  
FAN COOLED  
56 FRAME

# MODEL GUSHER® 11025

MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP

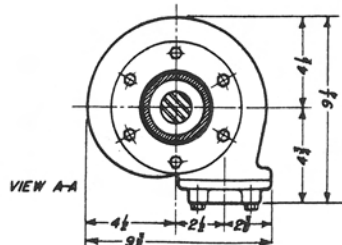
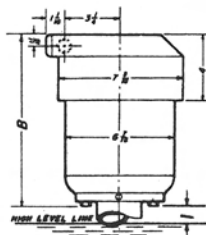
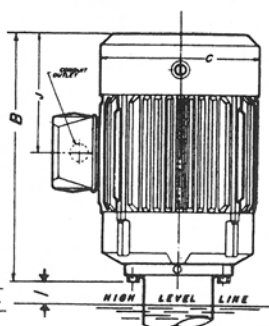
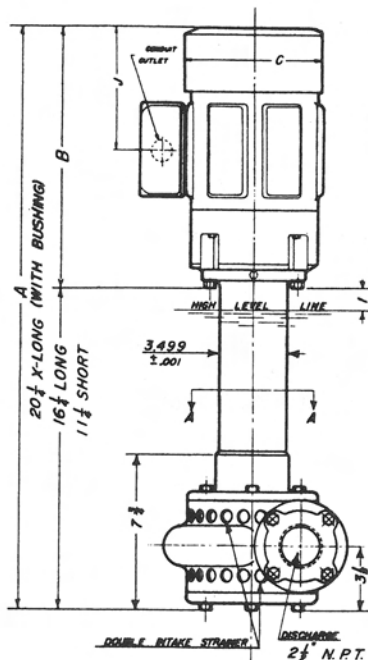
## WHEN ORDERING SPECIFY

- Model 11025 X-Long, Long or Short
- Impeller 2191, 2191-A, 2191-D or 2191-DVN
- Motor Horse Power & Current Characteristics

Other current characteristics available.

NOTE: 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

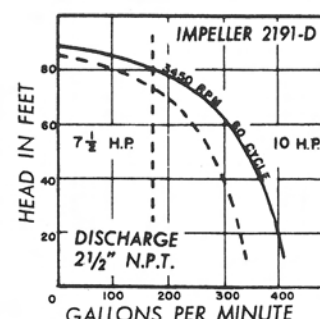
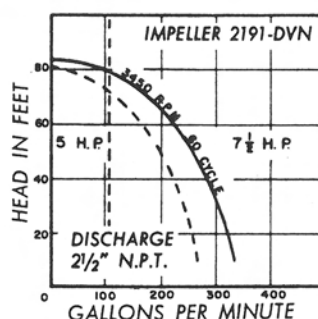
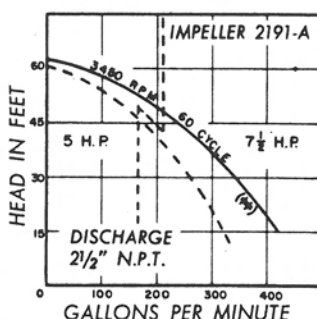
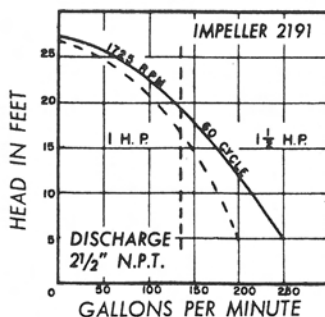
If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2191; Motor must be wound specifically for 50 cycle.



## DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	56 TEFC	31 5/8	27 5/8	22 5/8	11 3/8	7 5/8	5 3/4	4 3/8	6 1/4
1	230/460	3	60	1725	145T TEFC	31 5/8	27 5/8	22 5/8	11 3/8	7 5/8	5 3/4	4 3/8	6 1/4
1 1/2	230/460	3	60	1725	56 TEFC	31 5/8	27 5/8	22 5/8	11 3/8	7 5/8	5 3/4	4 3/8	6 1/4
1 1/2	230/460	3	60	1725	145T TEFC	31 5/8	27 5/8	22 5/8	11 3/8	7 5/8	5 3/4	4 3/8	6 1/4
3	230/460	3	60	3450	145T TEFC	33 1/2	29 1/2	24 1/2	13 1/4	7 5/16	5 3/4	4 9/16	6 1/4
5	230/460	3	60	3450	145T TEFC	34 3/4	30 3/4	25 3/4	14 1/2	7 5/16	5 3/4	4 9/16	6 1/4
7 1/2	230/460	3	60	3450	213T TEFC	36 1/4	32 1/4	27 1/4	16	10 5/8	9 5/8	7 5/8	8 1/2
10	230/460	3	60	3450	215T TEFC	36 1/2	32 1/2	27 1/2	16 1/4	10 5/8	9 5/8	7 5/8	8 1/2

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



## HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - 200 SSU Oil, 100°F.

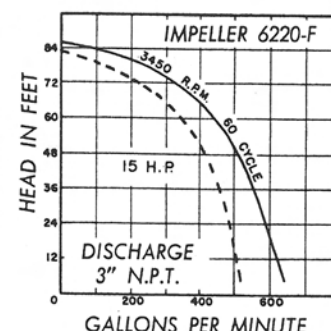
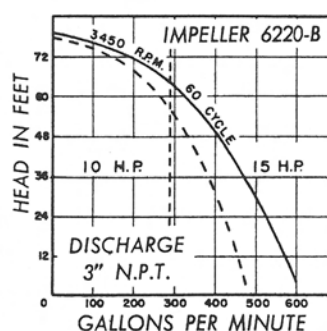
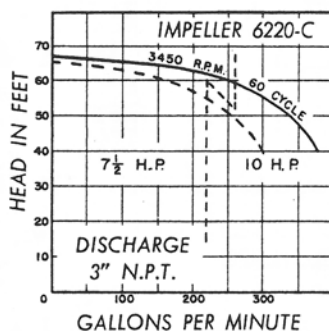
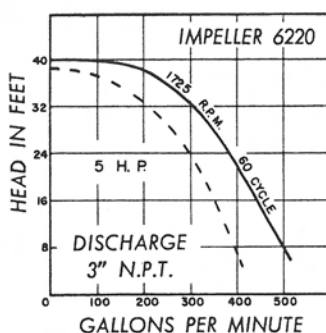
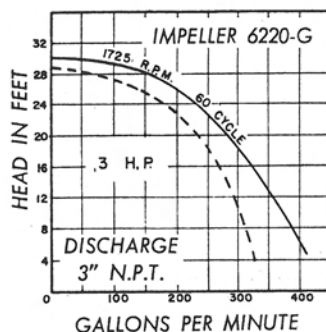
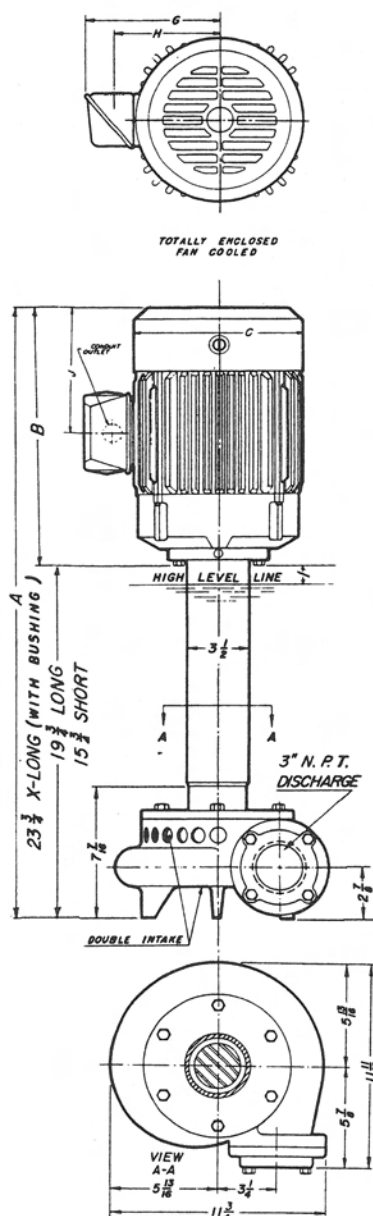
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**GUSHER® 11026****MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11026 X-Long, Long or Short
- Impeller 6220, 6220-B, 6220-C, 6220-F or 6220-G
- Motor Horse Power and Current Characteristics

Other current characteristics available.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

**SOLID LINE** ——— Soluble Coolant, 72°F.

**BROKEN LINE** - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

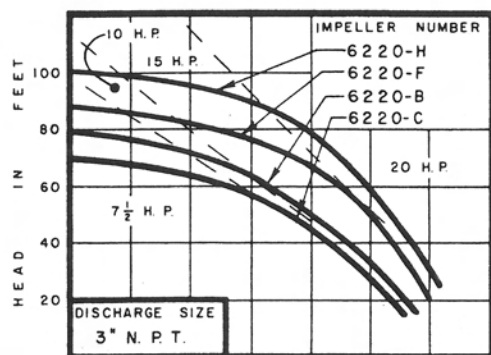
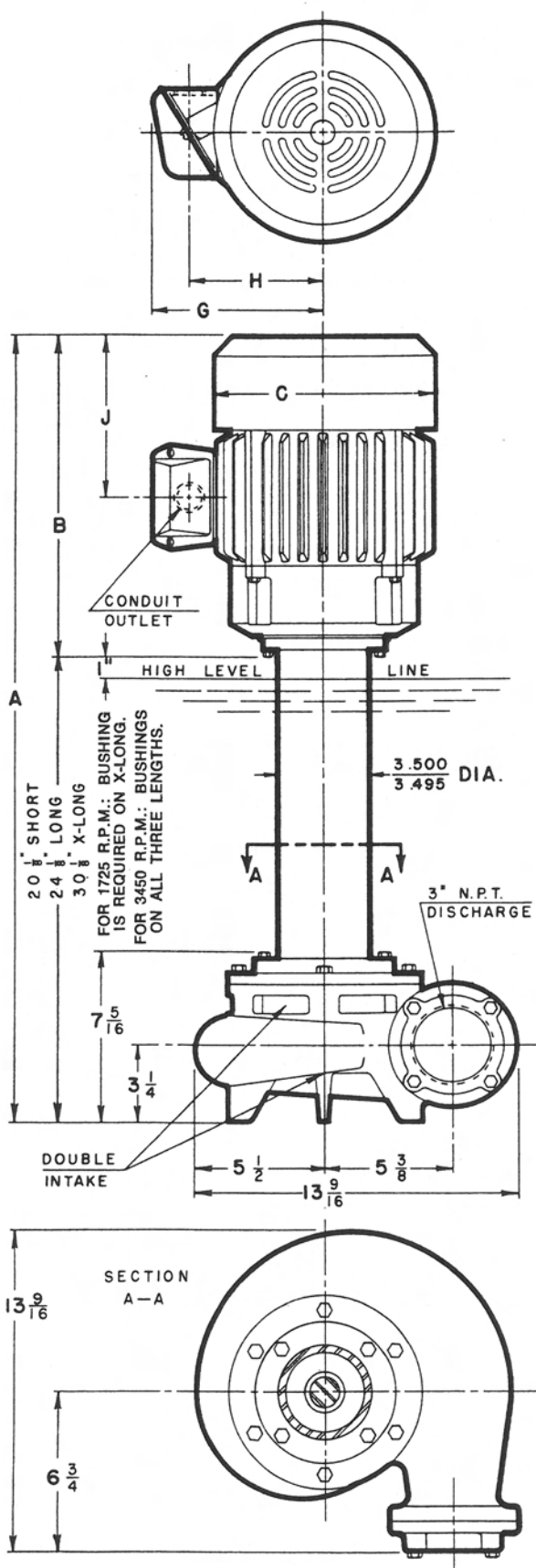
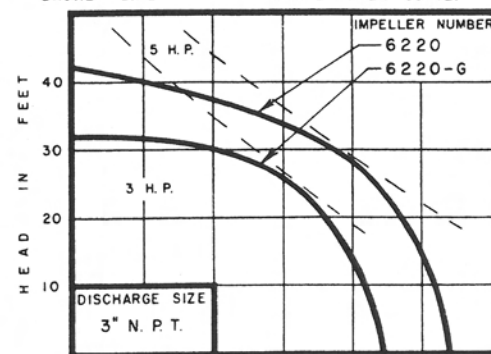
H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
3	230/460	3	60	1725	145T TEFC	37	33	29	13 1/4	7 5/16	5 3/4	4 9/16	6 1/4
5	230/460	3	60	1725	184T TEFC	38 1/2	34 1/2	30 1/2	14 3/4	9 3/8	7 1/4	5 3/4	7 5/16
7 1/2	230/460	3	60	3450	182T TEFC	39 3/4	35 3/4	31 3/4	16	10 5/8	9 1/8	7 1/8	8 1/8
10	230/460	3	60	3450	215T TEFC	40 1/2	36 1/2	32 1/2	16 3/4	10 5/8	9 1/8	7 1/8	8 1/8
15	230/460	3	60	3450	215T-C TEFC	41 1/2	37 1/2	33 1/2	17 1/4	13	10 5/8	8 1/8	10 3/8

**A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS**



**GUSHER®****26D****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 26D Short, Long or X-Long.
- Impeller Number 6220, 6220-B, 6220-C, 6220-F, 6220-G or 6220-H.
- Motor Horse Power and Current Characteristics.

3450  
R.P.M.1725  
R.P.M.

GALLONS PER MINUTE — SOLUBLE COOLANT.  
HEAD AND G. P. M. MEASURED AT THE DISCHARGE.  
SOLID LINE — PUMP CAPACITY.  
BROKEN LINE — HORSE-POWER CURVE.

**DIMENSIONS IN INCHES**

H.P.	R.P.M.	FR.	A			B	C	G	H	J
			SHORT	LONG	X-LONG					
3	1725	145T	34%	38%	44%	14 1/4	7 5/16	5 3/4	4 9/16	6 1/4
5		184T	35%	39%	45%	15 1/4	9 3/8	7 1/4	5 3/4	7 5/16
7 1/2	3450	213T	37%	41%	47%	17	10 7/8	9 1/8	7 1/8	8 1/8
10		215T	37%	41%	47%	17 1/4	10 7/8	9 1/8	7 1/8	8 7/8
15		215T	38%	42%	48%	18 1/4	13	10 1/16	8 1/16	10 3/8

DIMENSIONS ARE FOR 230/460 VOLTS—60 CY.—3 PH.—T.E.F.C. MOTOR.  
DIMENSIONS VARY WITH MOTOR MANUFACTURER.

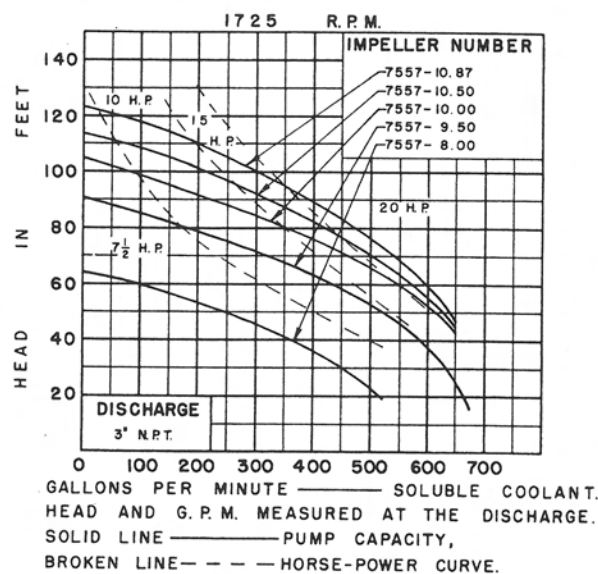
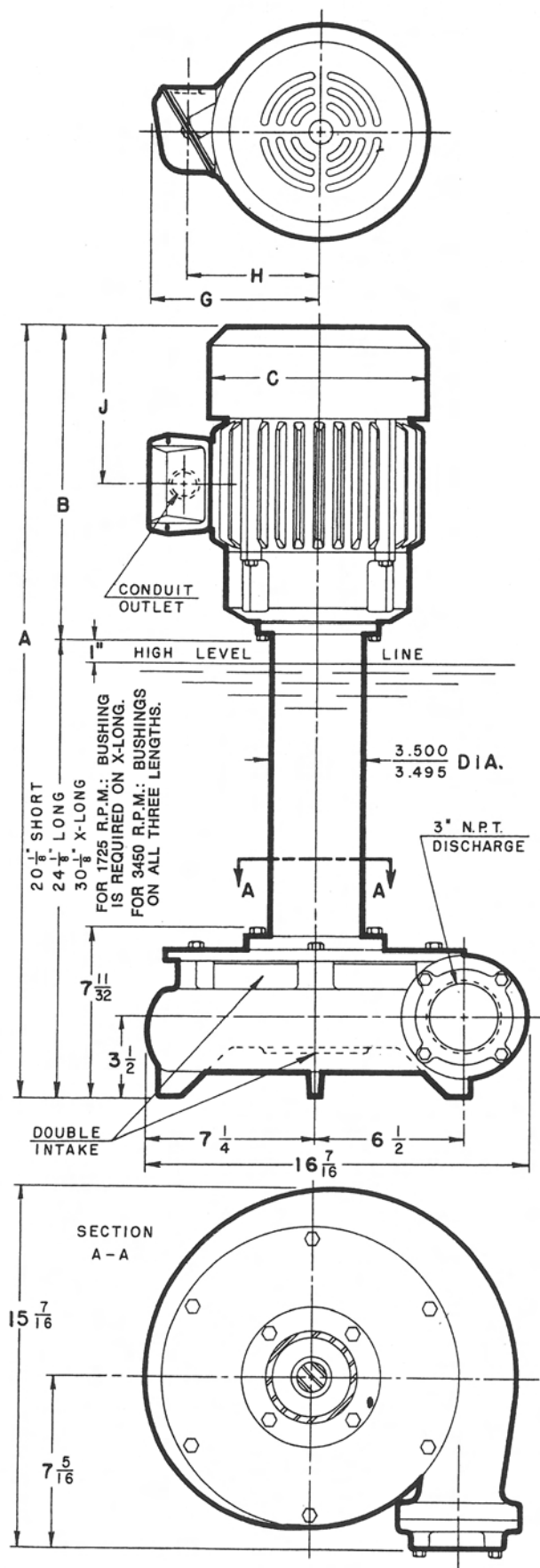
\*"B" DIMENSION FOR X-LONG 254TD FR. IS 20 9/16."

# GUSHER® 33D

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

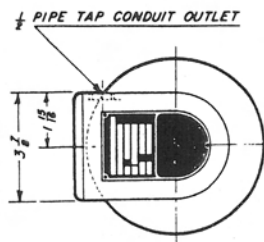
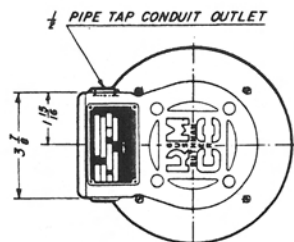
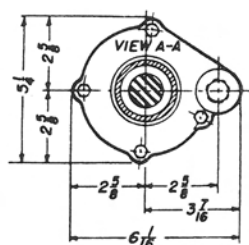
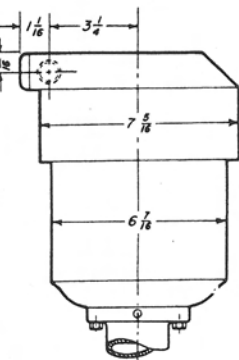
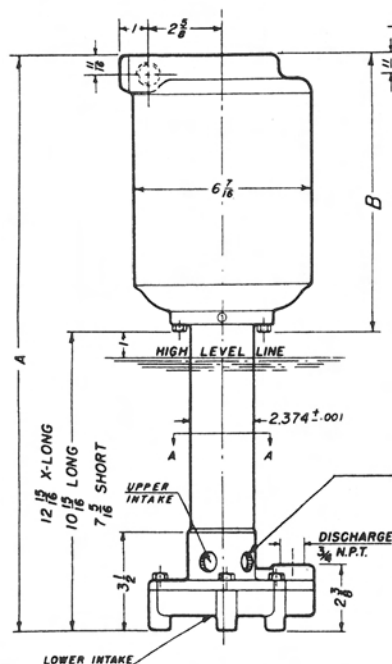
### WHEN ORDERING SPECIFY

- Model 33D Short, Long or X-Long.
- Impeller Number 7557-10.87, 7557-10.50, 7557-10.00, 7557-9.50 or 7557-8.00.
- Motor Horse Power and Current Characteristics.
- Mounting Bracket — 2AA-2340 or 7-2134 (See Page 139)
- 1/4" Max Dia. Solids  
+6 Total Extension Length



		DIMENSIONS				IN		INCHES		
H.P.	R.P.M.	FRAME	A			B	C	G	H	J
			SHORT	LONG	X-LONG					
7 $\frac{1}{2}$	1725	213T	37 $\frac{1}{8}$	41 $\frac{1}{8}$	47 $\frac{1}{8}$	17	10 $\frac{7}{8}$	9 $\frac{1}{8}$	7 $\frac{1}{8}$	8 $\frac{1}{8}$
10		215T	37 $\frac{3}{8}$	41 $\frac{3}{8}$	47 $\frac{3}{8}$	17 $\frac{1}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$	7 $\frac{1}{8}$	8 $\frac{7}{8}$
15		254TD	40 $\frac{11}{16}$	44 $\frac{11}{16}$	50 $\frac{11}{16}$	20 $\frac{9}{16}$	13	10 $\frac{1}{8}$	8 $\frac{1}{8}$	10 $\frac{3}{8}$
20		256TD	42 $\frac{7}{16}$	46 $\frac{7}{16}$	52 $\frac{7}{16}$	22 $\frac{5}{16}$	13	10 $\frac{1}{8}$	8 $\frac{1}{8}$	11 $\frac{1}{4}$

DIMENSIONS ARE FOR 230/460 VOLT—60 CY.—3 PH.—T.E.F.C. MOTOR.  
DIMENSIONS VARY WITH MOTOR MANUFACTURER.

**GUSHER®****UL****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**TOTALLY ENCLOSED  
NON VENTILATED  
56 FRAMETOTALLY ENCLOSED  
FAN COOLED  
56 FRAME

For shallow Reservoir — upper intake holes are omitted upon request. Write for Performance.

**WHEN ORDERING SPECIFY**

- Model UL X-Long, Long or Short
- Impeller 2020, 2217-B or 2217-S
- Motor Horse Power and Current Characteristics

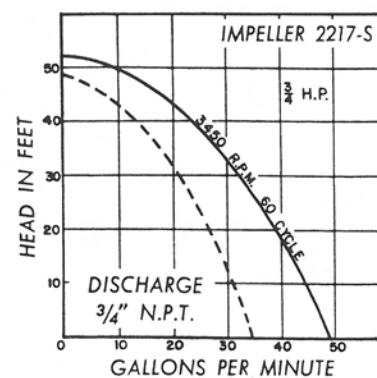
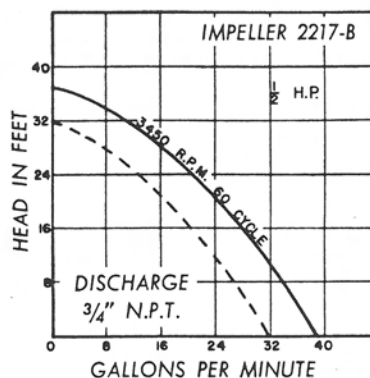
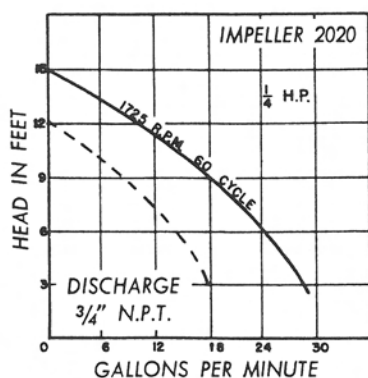
**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.  
Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	21 <sup>13</sup> / <sub>16</sub>	19 <sup>13</sup> / <sub>16</sub>	16 <sup>3</sup> / <sub>16</sub>	9
1/4	115/230	1	60	1725		22 <sup>13</sup> / <sub>16</sub>	20 <sup>13</sup> / <sub>16</sub>	17 <sup>3</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>
1/2	230/460	3	60	3450		23 <sup>13</sup> / <sub>16</sub>	21 <sup>13</sup> / <sub>16</sub>	18 <sup>3</sup> / <sub>16</sub>	10 <sup>7</sup> / <sub>8</sub>
1/2	115/230	1	60	3450		24 <sup>5</sup> / <sub>16</sub>	22 <sup>5</sup> / <sub>16</sub>	19	11 <sup>11</sup> / <sub>16</sub>
3/4	230/460	3	60	3450	56 TEFC	25	23	19 <sup>3</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>16</sub>
3/4	115/230	1	60	3450		23 <sup>3</sup> / <sub>16</sub>	21 <sup>3</sup> / <sub>16</sub>	17 <sup>1</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>4</sub>

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

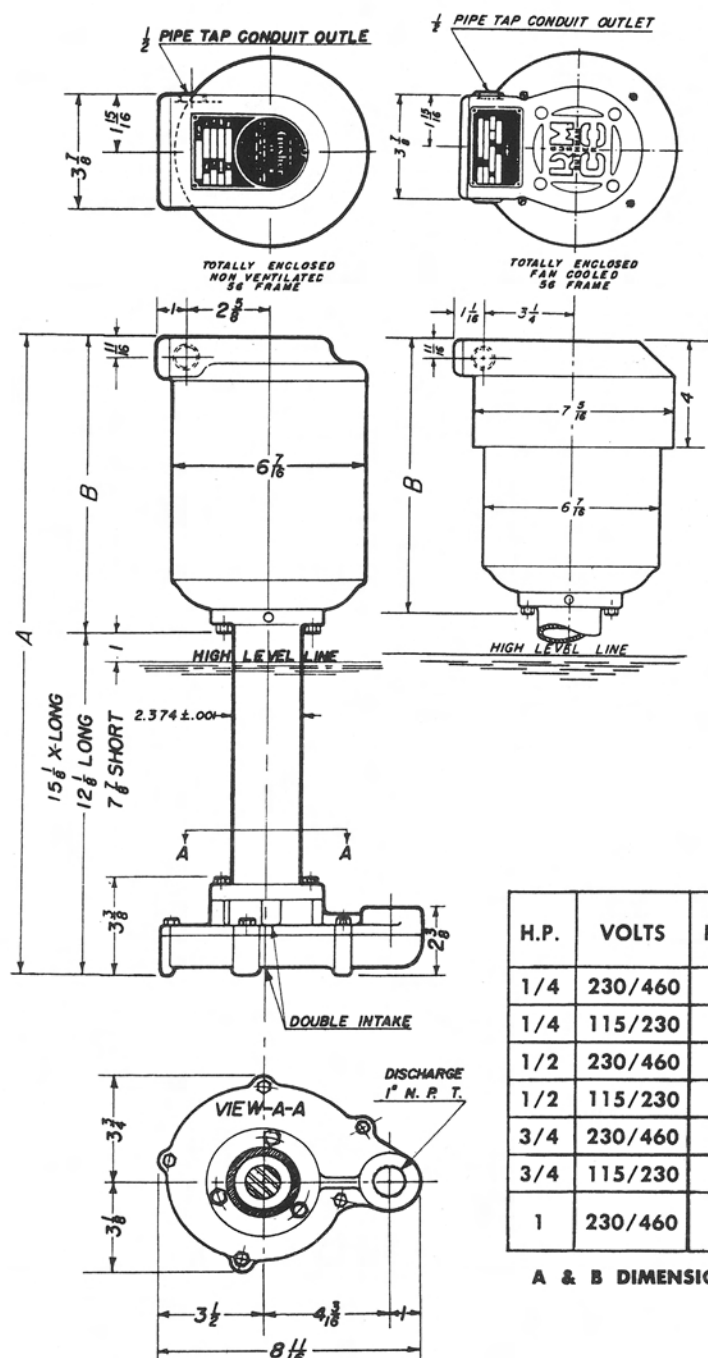
**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

**SOLID LINE** ——— Soluble Coolant, 72°F.

**BROKEN LINE** - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**Model SL Available Upon  
Request. Consult Factory.**

**GUSHER®****UD****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model UD X-Long, Long or Short
- Impeller 3500, 2217-T, or 2325-DS
- Motor Horse Power and Current Characteristics  
Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

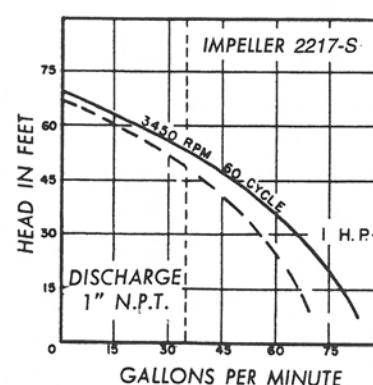
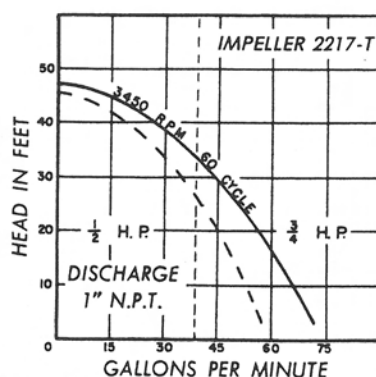
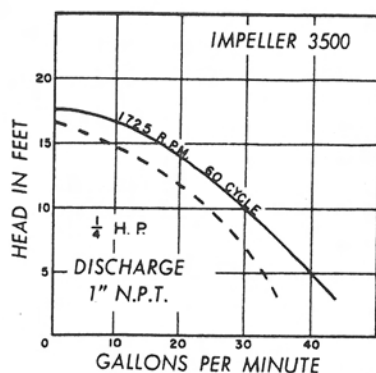
**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	24½	21½	16½	9¾
1/4	115/230	1	60	1725		24½	21½	16½	9¾
1/2	230/460	3	60	3450		25½	22½	17½	9½
1/2	115/230	1	60	3450		26½	23½	18½	10½
3/4	230/460	3	60	3450	56 TEFC	25	22	17	9¾
3/4	115/230	1	60	3450		26½	23½	18½	10½
1	230/460	3	60	3450		26½	23½	18½	11¾

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

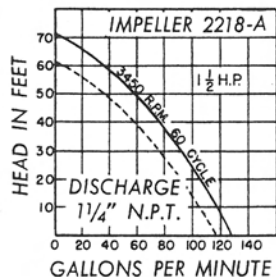
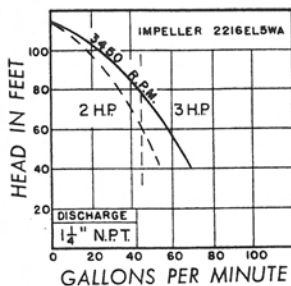
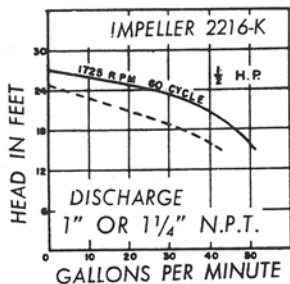
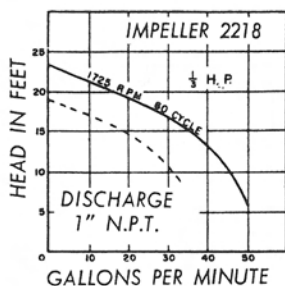
**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.



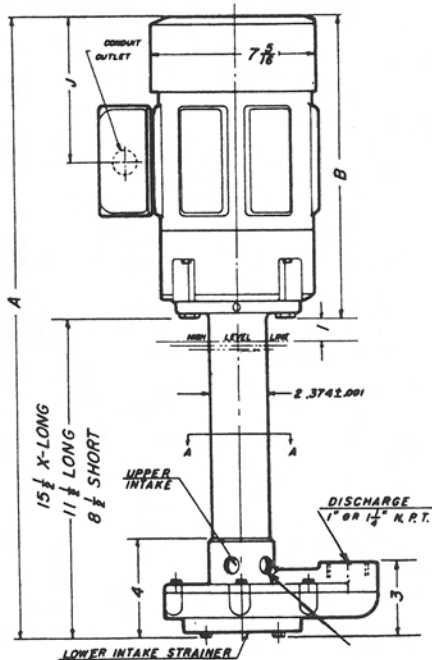
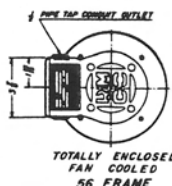
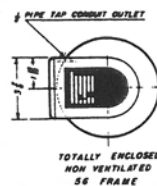
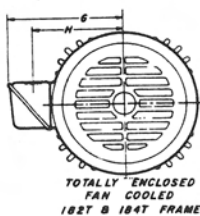
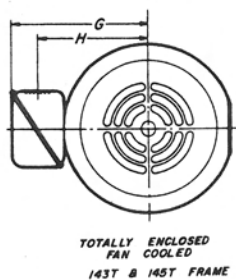


Head & Gallons Per Minute Measured at the Discharge.

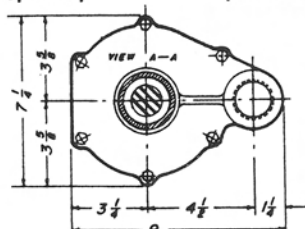
Solid Line — Soluble Coolant, 72°F.

Broken Line - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.



For shallow reservoir, upper intake holes are omitted upon request. Write for performance



# GUSHER<sup>®</sup> MODEL RL

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

WHEN ORDERING SPECIFY

- Model RL X-Long, Long or Short
- Impeller 2218, 2216-K, 2216EL5WA or 2218-A
- Size of Discharge 1" or 1 1/4"
- Motor Horse Power & Current Characteristics

Other current characteristics available.

NOTE: 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Supplied With Plastic Impeller  
Standard Cast Iron Available  
Upon Request.

DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	G	H	J
						X-LONG	LONG	SHORT				
1/3	230/460	3	60	1725	56 TENV	24 1/8	20 7/8	17 1/8	9 3/8	.....	.....	.....
1/3	115/230	1	60	1725		26 1/8	22 3/8	19 3/8	10 7/8	.....	.....	.....
1/2	230/460	3	60	1725		25 3/8	21 3/8	18 3/8	9 3/8	.....	.....	.....
1/2	115/230	1	60	1725	56 TEFC	26 1/8	22 3/8	19 3/8	10 3/8	.....	.....	.....
2	230/460	3	60	3450		27 1/8	23 3/8	20 3/8	12 3/8	.....	.....	.....
1 1/2	230/460	3	60	3450	56 TEFC	26 1/8	22 3/8	19 3/8	11 3/8	.....	.....	.....
1 1/2	230/460	3	60	3450	145T FRAME	26 1/8	22 3/8	19 3/8	11 3/8	5 3/4	4 3/8	6 1/4
2	230/460	3	60	3450	145T TEFC	27 1/8	23 3/8	20 3/8	12 3/8	5 3/4	4 3/8	6 1/4
3	230/460	3	60	3450	145T FRAME	28 1/8	24 3/8	21 3/8	13 3/8	7 1/4	5 3/8	6 1/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

Model TL Available Upon  
Request. Consult Factory.

**FOR THOSE DIRTY  
PUMPING JOBS**

# **THE Gusher.<sup>®</sup>**

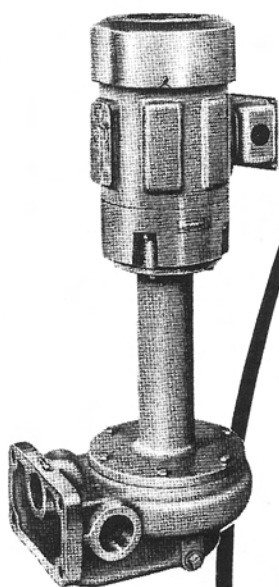
**PUMP WITH TEETH**

**HANDLES - SWarf, SLUDGE AND SHAVINGS**

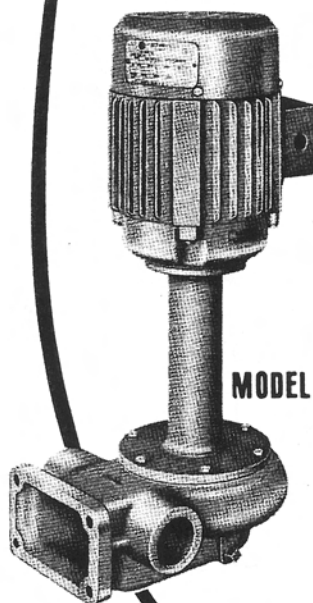
## **WHAT'S THE SECRET? - SIMPLE!**

These pumps have a large intake and an agitator mounted below the impeller. This combination makes it possible to handle large chunks of grinding residue or shavings that find their way into the coolant system.

Another outstanding feature is a sturdy one-piece suspended, dynamically balanced shaft rotating on large precision ball bearings. There are no metal to metal contacts within the pump, thus continuous worry-free handling of grinding residue is possible.



**MODEL 11065**

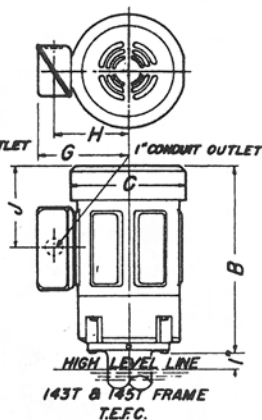
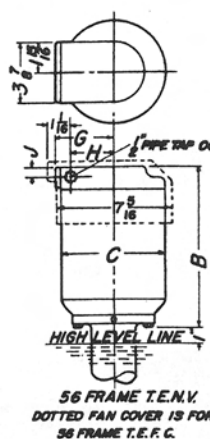
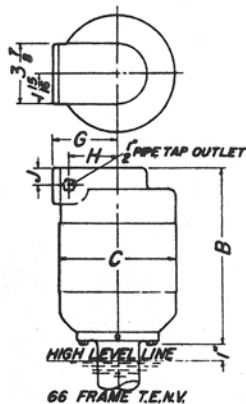
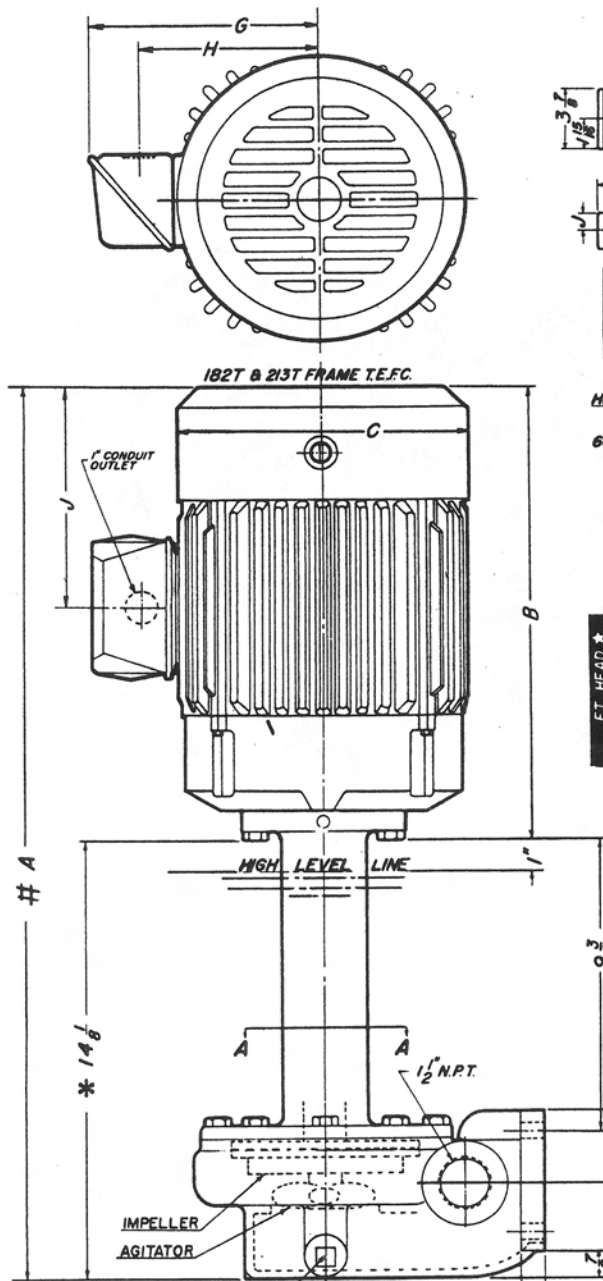


**MODEL 11066**

**GUSHER PUMPS, INC. • 22 RUTHMAN DRIVE • DRY RIDGE, KENTUCKY 41035**

Division of Ruthman Pump & Engineering, Inc.

**Telephone: 606-824-5001 • FAX: 606-824-3011**



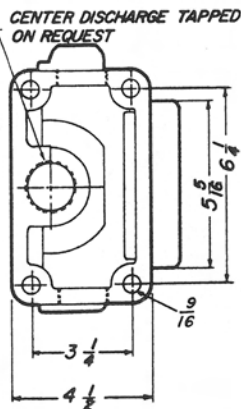
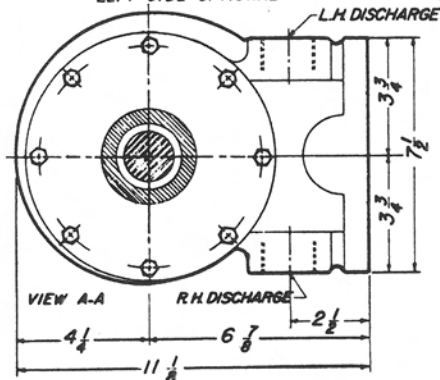
GALLONS PER MINUTE-SOLUBLE COOLANT HEAD AND GPM MEASURED AT DISCHARGE																★
0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	HP	RPM
16	13	11	7	2											1/2	1725
23	20	17	13	8	1										3/4	1725
28	28	28	27	27	25	22	18	13	9	3					1 1/2	1725
36	35	33	31	29	27	24	20	16	12	7	0				3	1725
108	105	102	99	95	91	87	82	78	71	64	52	40	25	4	7 1/2	3450

THE ABOVE PERFORMANCES ARE FOR 60 CYCLE OPERATION. 50 CYCLE OPERATION REDUCES THE FT. HEAD BY 31% FOR A GIVEN VOLUME. RIGHT HAND PERFORMANCES ARE SHOWN. FOR A GIVEN FT. HEAD THE VOLUME IS REDUCED BY 15 & 27% FOR CENTER AND LEFT DISCHARGE RESPECTIVELY.

★ HEAD AND GPM MEASURED AT DISCHARGE

FRAME	HP	RPM	A	B	C	G	H	J
56	1/2	1725	23%	9 1/2	6 1/8	3%	2%	1 1/8
56 TEFC	3/4	1725	23%	9 1/2	6 1/8	4 1/8	3 1/4	1 1/8
145T	1 1/2, 2	1725	26%	12%	7 1/8	6	5 1/4	6 1/4
182T	3	1725	27%	13 1/2	9%	7 1/4	5 3/4	6 1/8
213T	7 1/2	3450	30%	16 1/4	10%	9%	7%	8%

1/2" N.P.T. DRAIN PLUG  
STANDARD-RIGHT SIDE  
LEFT SIDE OPTIONAL



**GUSHER®**

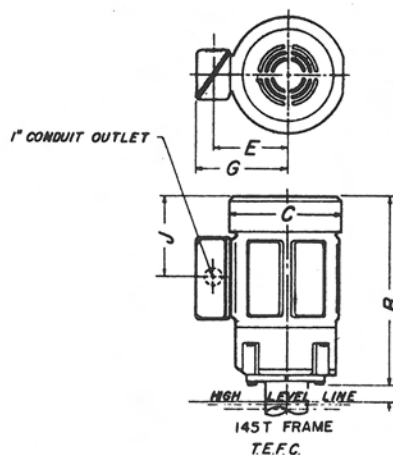
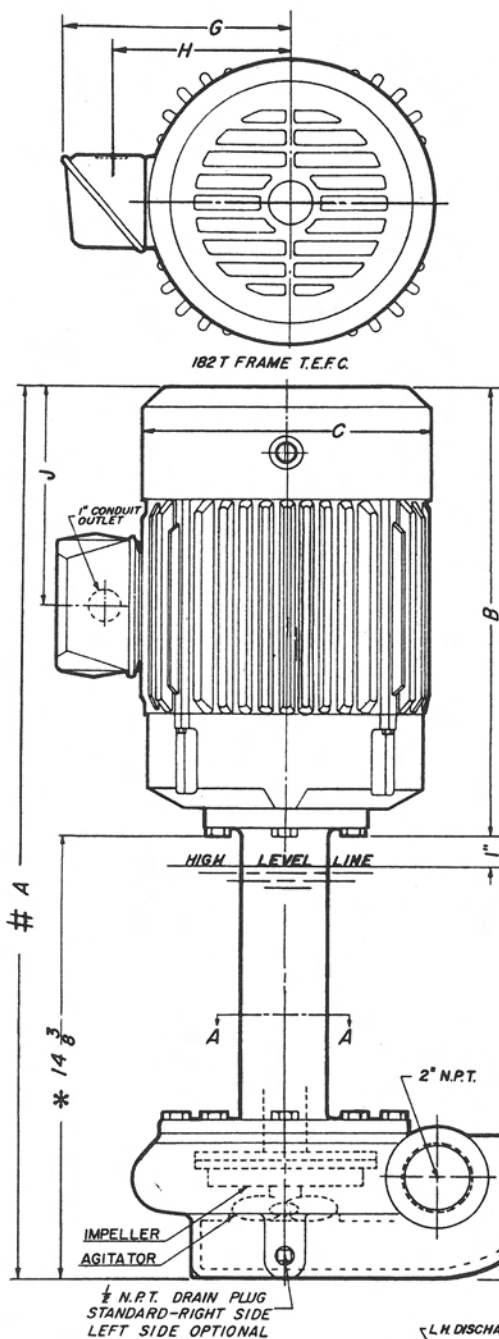
MODEL  
NO. 11065

MOTOR DRIVEN  
MACHINE TOOL COOLANT PUMP

WHEN ORDERING SPECIFY  
MODEL NO 11065 LONG  
OR X - LONG  
RIGHT HAND, LEFT HAND  
OR CENTER DISCHARGE  
SIZE OF DISCHARGE ---- 1/2" N.P.T.  
MOTOR HORSE POWER 3  
CURRENT CHARACTERISTICS

\* Model 11065 X-Long available, immersion depth 18 1/8"

# Overall Length: 4" longer for X-Long Model.

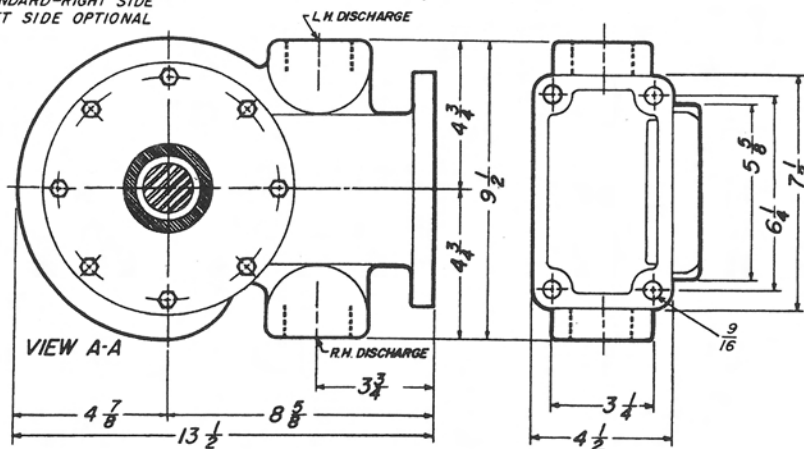


GALLONS PER MINUTE-SOLUBLE COOLANT HEAD AND GPM MEASURED AT DISCHARGE ★														H.P.	RPM	DISCHARGE SIZE	IMPELLER NUMBER
0	20	40	60	80	100	120	140	160	180	200	220	240	260				
20	20	19	18	16	15	9	5	0						1 1/2	1725	2	2019-F
28	27	26	25	24	23	22	20	18	16	12	10	5		2	1725	2	2717-C
31	30	29	28	26	25	24	23	21	18	15	11	7	1	3	1725	2	2717-A
28	28	27	26	25	24	23	21	19	17	14	11	8	5	2 1/2	1725	2	2013-A

THE ABOVE PERFORMANCES ARE FOR 60 CYCLE OPERATION. 50 CYCLE OPERATION REDUCES THE FT. HEAD BY 31% FOR A GIVEN VOLUME. RIGHT HAND PERFORMANCES ARE SHOWN. FOR A GIVEN FT. HEAD THE VOLUME IS REDUCED BY 27% FOR LEFT DISCHARGE.

★ HEAD AND GPM MEASURED AT DISCHARGE

FRAME	HP	RPM	A	B	C	G	H	J
145T	1 1/2, 2	1725	27	12 3/4	7 1/8	6	5 1/4	6 1/4
182T	3	1725	25 3/4	13 1/2	9 3/8	7 1/4	5 3/4	6 13/16



**GUSHER®**

MODEL

**NO. 11066**

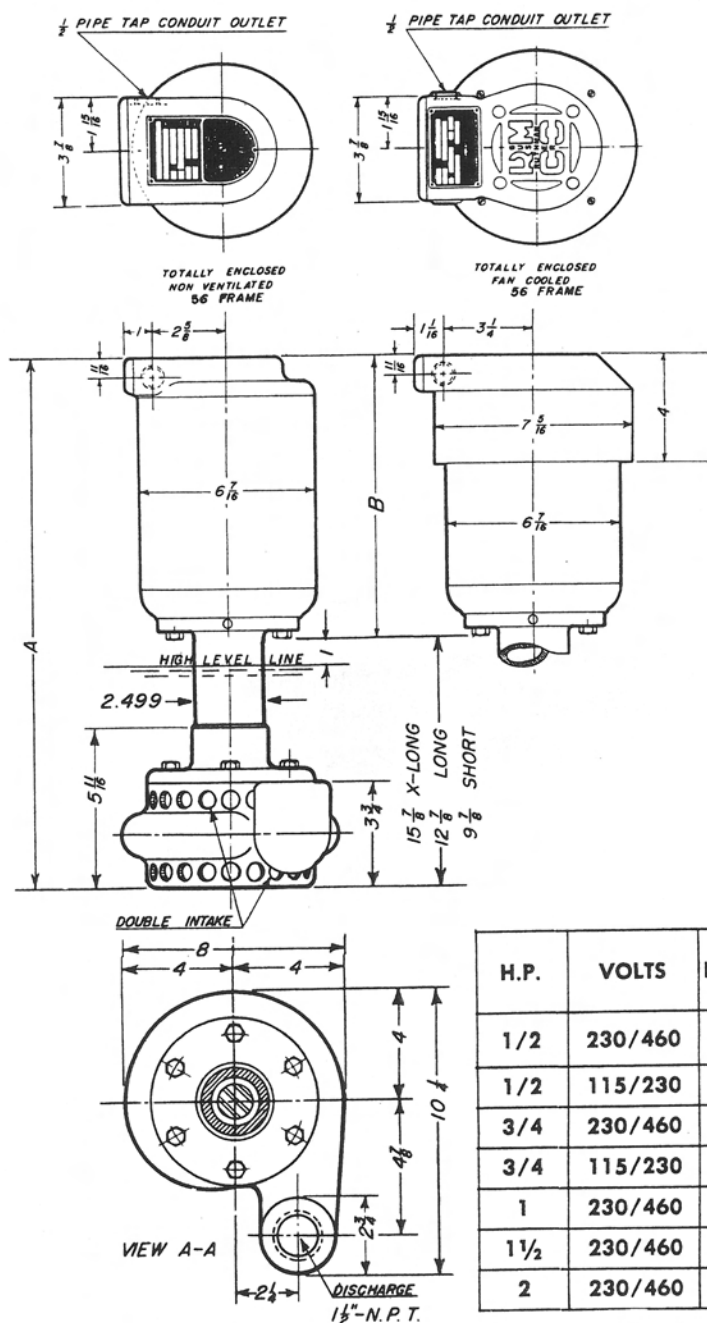
MOTOR DRIVEN  
MACHINE TOOL COOLANT PUMP

WHEN ORDERING SPECIFY  
MODEL NO. 11066 LONG  
OR X-LONG  
RIGHT HAND DISCHARGE OR  
LEFT HAND DISCHARGE  
SIZE OF DISCHARGE 2" N.P.T.  
MOTOR HORSE POWER &  
CURRENT CHARACTERISTICS

\* Model 11066 X-Long available, immersion depth 18 3/8"

# Overall Length: 4" longer for X-Long Model.



**GUSHER® 11023-D****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11023-D X-Long, Long or Short
- Impeller 2136, 3530-BU or 3533
- Motor Horse Power & Current Characteristics

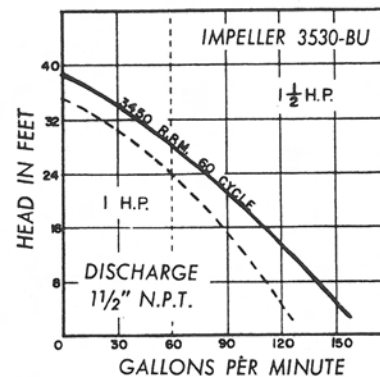
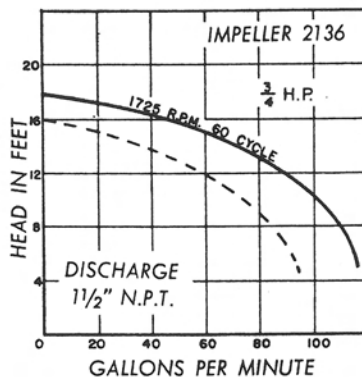
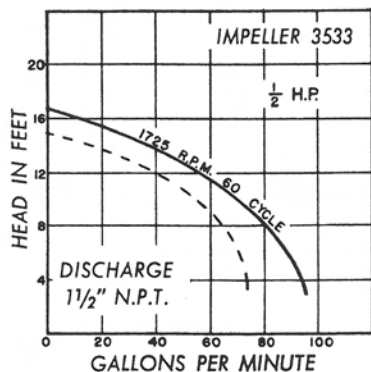
**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/2	230/460	3	60	1725	56 TENV	25 <sup>3</sup> / <sub>4</sub>	22 <sup>3</sup> / <sub>4</sub>	19 <sup>3</sup> / <sub>4</sub>	9 <sup>7</sup> / <sub>8</sub>
1/2	115/230	1	60	1725	56 TEFC	26 <sup>11</sup> / <sub>16</sub>	23 <sup>11</sup> / <sub>16</sub>	20 <sup>11</sup> / <sub>16</sub>	10 <sup>15</sup> / <sub>16</sub>
3/4	230/460	3	60	1725	56 TENV	28 <sup>5</sup> / <sub>8</sub>	23 <sup>5</sup> / <sub>8</sub>	20 <sup>5</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>4</sub>
3/4	115/230	1	60	1725	56 TEFC	26 <sup>11</sup> / <sub>16</sub>	23 <sup>11</sup> / <sub>16</sub>	20 <sup>11</sup> / <sub>16</sub>	10 <sup>15</sup> / <sub>16</sub>
1	230/460	3	60	3450		27 <sup>1</sup> / <sub>4</sub>	24 <sup>1</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>	11 <sup>5</sup> / <sub>8</sub>
1 1/2	230/460	3	60	3450		27 <sup>1</sup> / <sub>4</sub>	24 <sup>1</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>8</sub>
2	230/460	3	60	3450		28 <sup>1</sup> / <sub>4</sub>	25 <sup>1</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>8</sub>

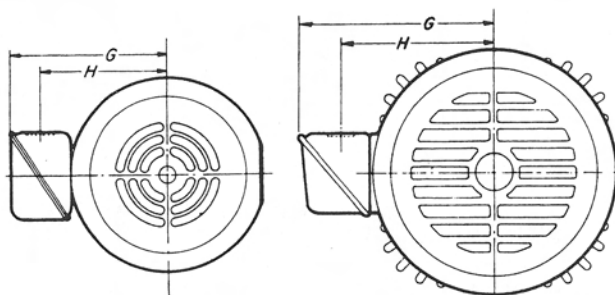
A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

**SOLID LINE** — Soluble Coolant, 72°F.

**BROKEN LINE** - - - 200 SSU Oil, 100°F.

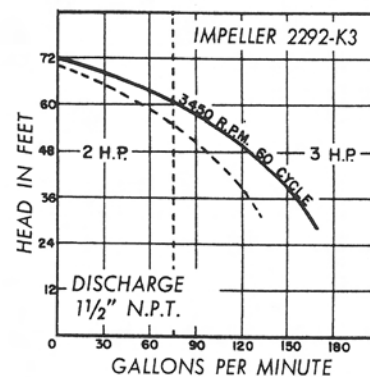
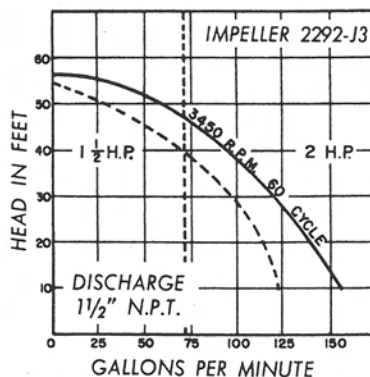
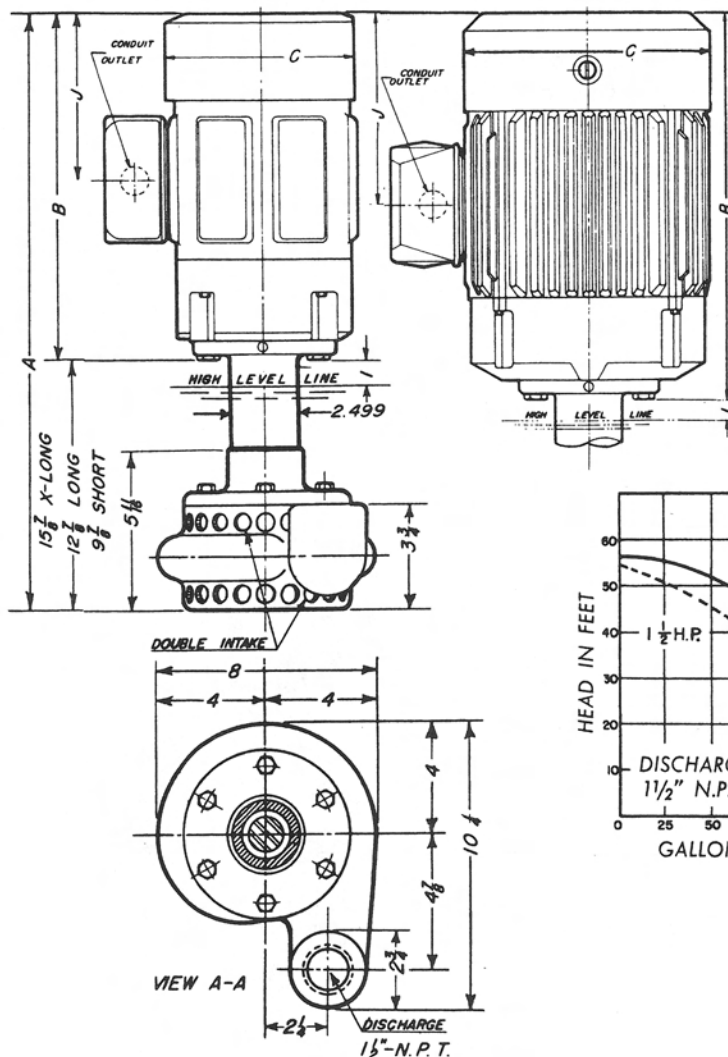
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**GUSHER<sup>®</sup> 11023-D****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**TOTALLY ENCLOSED  
FAN COOLED  
143T & 145T FRAMETOTALLY ENCLOSED  
FAN COOLED  
182T & 184T FRAME**WHEN ORDERING SPECIFY**

- Model 11023-D X-Long Long or Short
- Impeller 2292-K3 or 2292-J3
- Motor Horse Power & Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.



Head & Gallons Per Minute Measured at the Discharge.

**Solid**

Line — Soluble Coolant, 72°F.

**Broken**

Line - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1 1/2	230/460	3	60	3450	145T TEFC	27 1/4	24 1/4	21 1/4	11 3/8	7 5/16	5 3/4	4 9/16	6 1/4
2	230/460	3	60	3450	145T TEFC	28 1/4	25 1/4	22 1/4	12 3/8	7 7/16	5 3/4	4 9/16	6 1/4
3	230/460	3	60	3450	145T TEFC	29 1/8	26 1/8	23 1/8	13 1/4	7 5/16	5 3/4	4 9/16	6 1/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

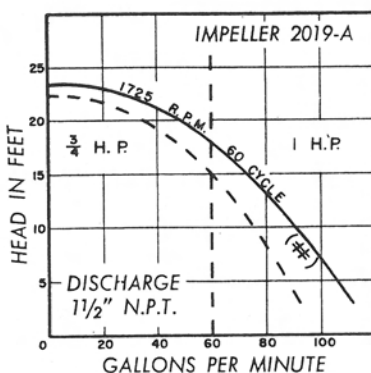
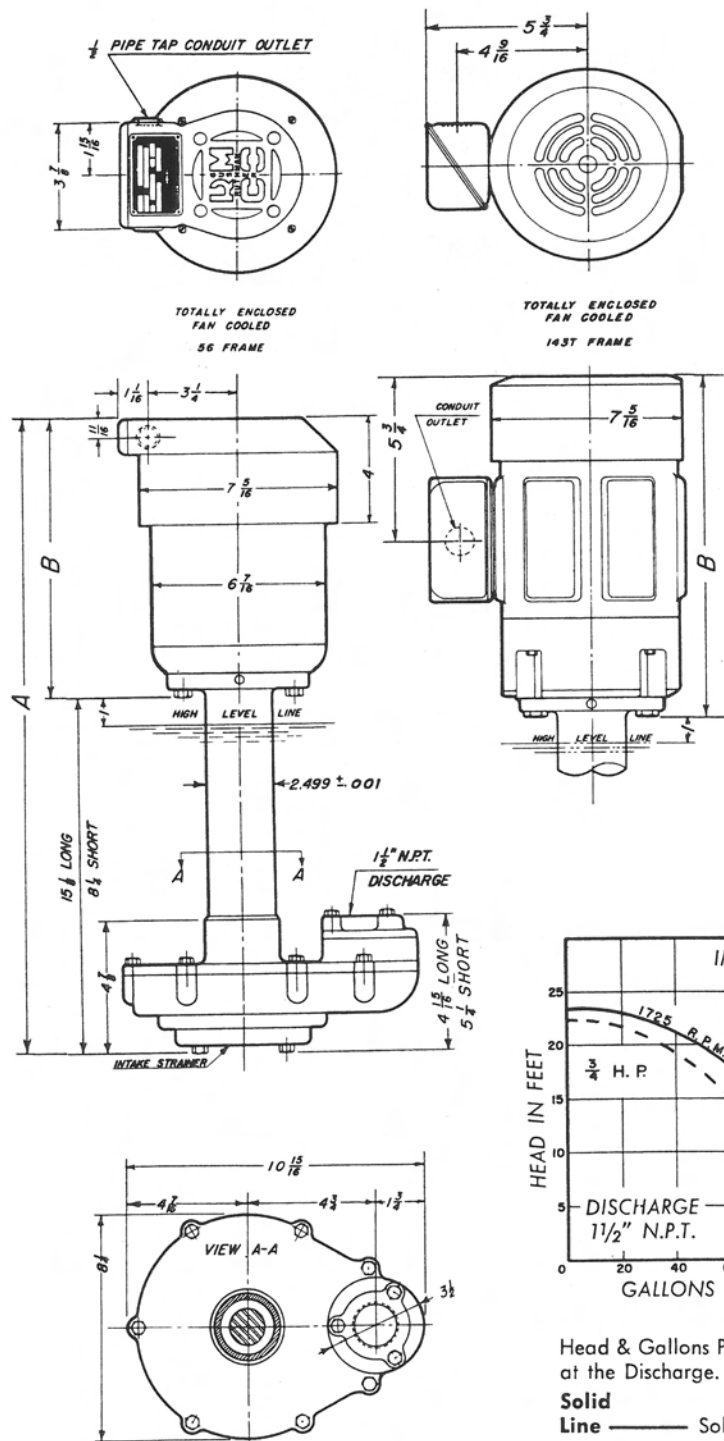
**GUSHER® BL****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model BL Long or Short
- Impeller 2013-A or 2019-A
- Motor Horse Power and Current Characteristics

Other current characteristics available.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2013-A; Motor must be wound specifically for 50 cycle.



Head & Gallons Per Minute Measured at the Discharge.

**Solid**

Line — Soluble Coolant, 72°F.

**Broken**

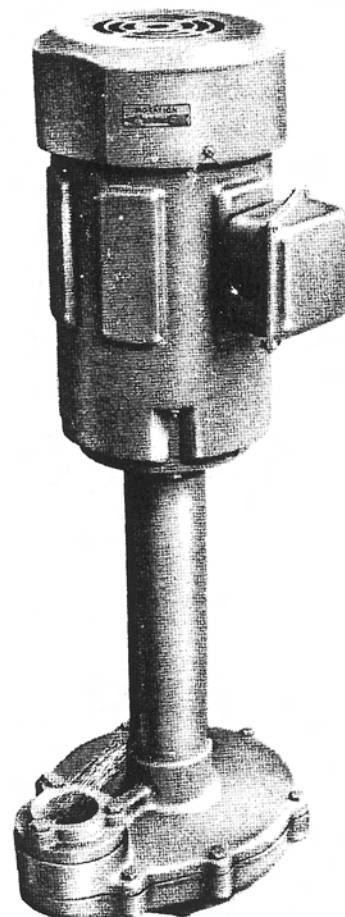
Line - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						LONG	SHORT	
3/4	230/460	3	60	1725	56 TENV	24 5/8	17 3/4	9 1/2
3/4	115/230	1	60	1725	56 TEFC	26 1/16	19 3/16	10 15/16
1	230/460	3	60	1725		26 1/2	19 5/8	11 3/8
1	230/460	3	60	1725	145T TEFC	26 1/2	19 5/8	11 3/8

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

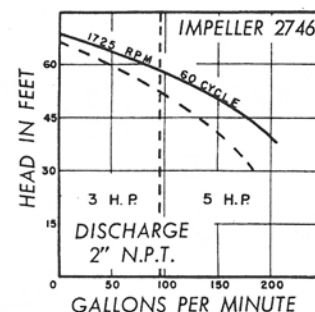
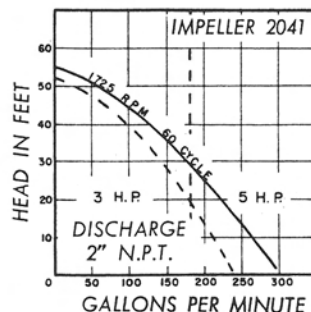
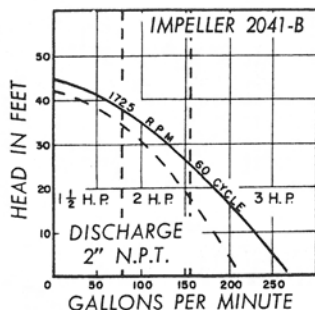
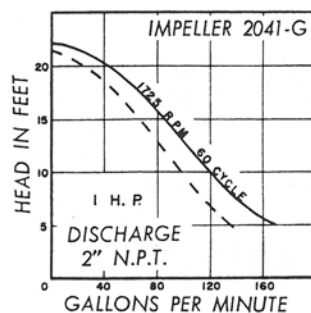


**GUSHER®****CML****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model CML X-Long, Long or Short
- Impeller 2041, 2041-B, 2041-G or 2746
- Motor Horse Power and Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.



Head & Gallons Per Minute Measured at the Discharge.

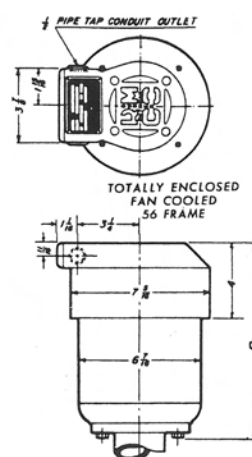
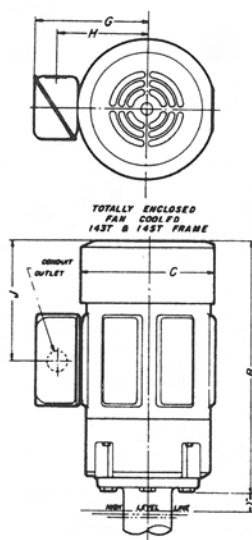
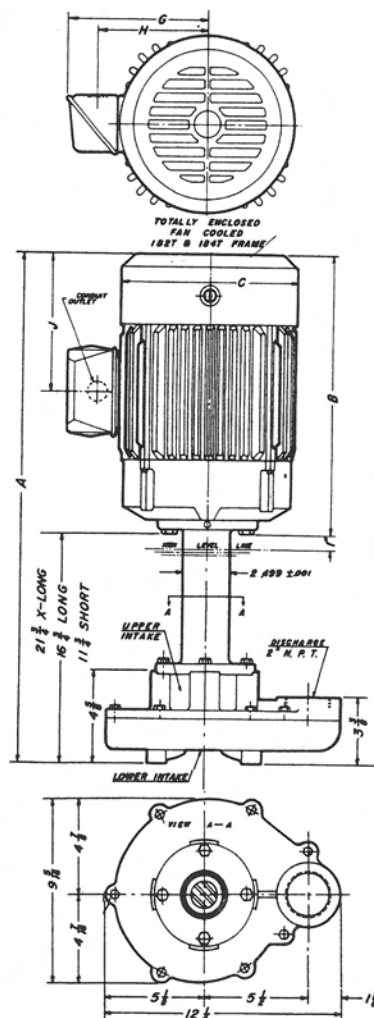
Solid Line

Soluble Coolant, 72°F.

Broken Line

200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	56 TEFC	33 1/4	28 1/4	23 1/4	11 1/2	-----	-----	-----	-----
1	230/460	3	60	1725	145T TEFC	33 1/4	28 1/4	23 1/4	11 1/2	7 3/16	5 3/4	4 9/16	6 1/4
1 1/2	230/460	3	60	1725	56 TEFC	33 1/4	28 1/4	23 1/4	11 1/2	-----	-----	-----	-----
1 1/2	230/460	3	60	1725	145T TEFC	33 1/4	28 1/4	23 1/4	11 1/2	7 3/16	5 3/4	4 9/16	6 1/4
2	230/460	3	60	1725	56 TEFC	34 1/4	29 1/4	24 1/4	12 1/2	-----	-----	-----	-----
2	230/460	3	60	1725	145T TEFC	34 1/4	29 1/4	24 1/4	12 1/2	7 3/16	5 3/4	4 9/16	6 1/4
3	230/460	3	60	1725	145T TEFC	35 1/4	30 1/4	25 1/4	13 1/2	7 3/16	5 3/4	4 9/16	6 1/4
5	230/460	3	60	1725	184T TEFC	36 1/2	31 1/2	26 1/2	14 3/4	9 3/4	7 1/4	5 3/4	7 3/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

# GUSHER<sup>®</sup> YO

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

- Model YO X-Long or Long
- Impeller 2024-AC or 2249-E
- Size or Discharge  $\frac{3}{4}$ " or 1"
- Motor Horse Power and Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

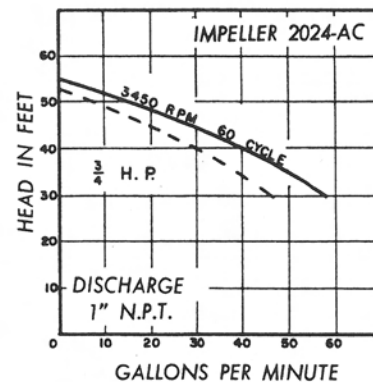
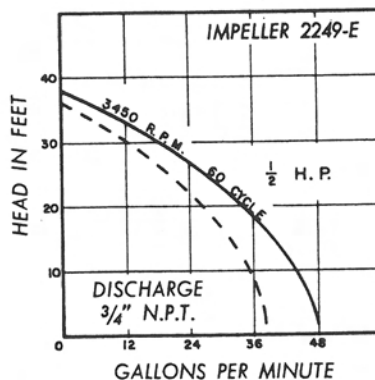
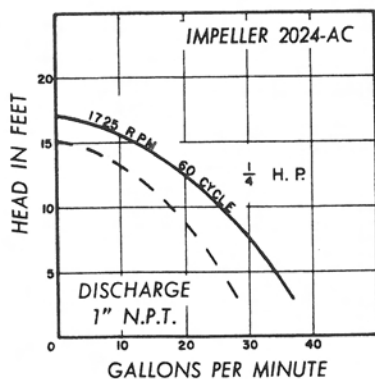
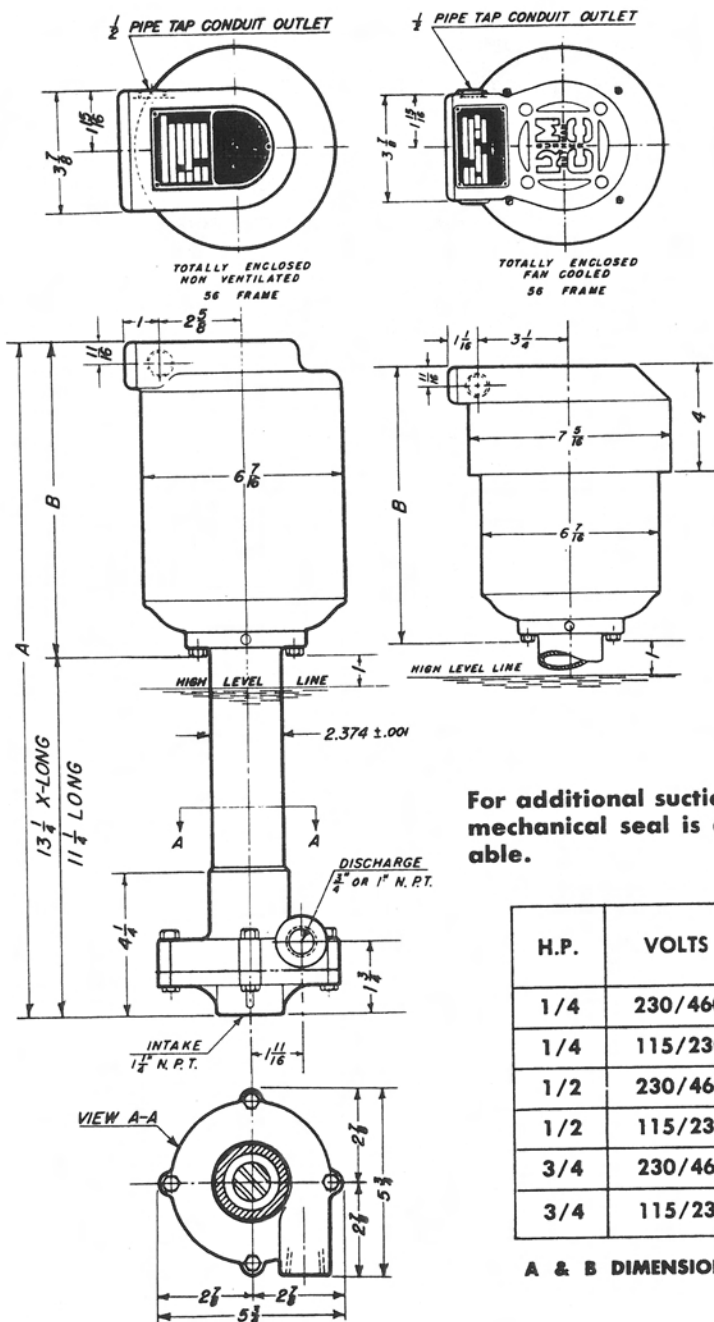
Other current characteristics available.

For additional suction lift mechanical seal is available.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						X-LONG	LONG	
1/4	230/460	3	60	1725	56	21	19	7 $\frac{3}{4}$
1/4	115/230	1	60	1725		21	19	7 $\frac{3}{4}$
1/2	230/460	3	60	3450		23 $\frac{3}{16}$	21 $\frac{3}{16}$	9 $\frac{15}{16}$
1/2	115/230	1	60	3450		24 $\frac{3}{16}$	22 $\frac{3}{16}$	10 $\frac{15}{16}$
3/4	230/460	3	60	3450	56 TEFC	24	22	10 $\frac{3}{4}$
3/4	115/230	1	60	3450		24 $\frac{3}{16}$	22 $\frac{3}{16}$	10 $\frac{15}{16}$

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.



# GUSHER<sup>®</sup> RO

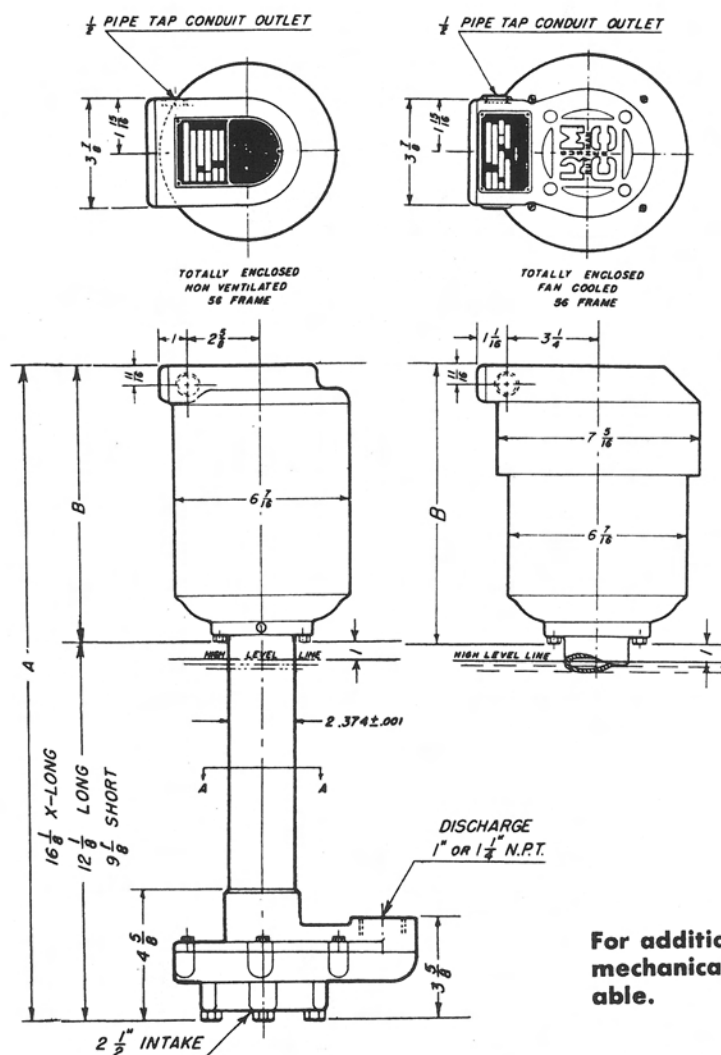
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

- Model RO X-Long, Long or Short
- Impeller 2325-B, 2037-A
- Size of Discharge 1" or 1 1/4"
- Motor Horse Power and Current Characteristics

Other current characteristics available.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

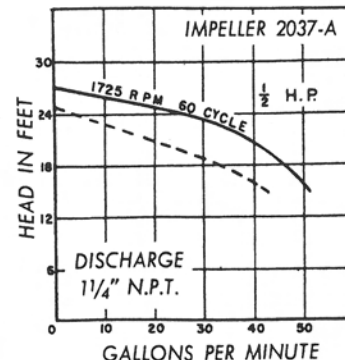
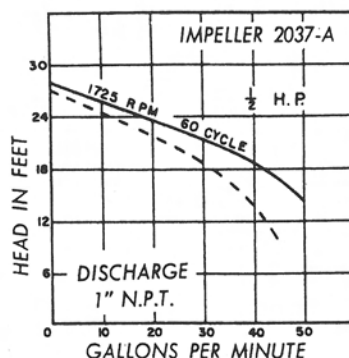
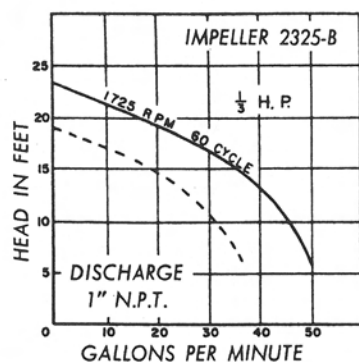


For additional suction lift mechanical seal is available.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/3	230/460	3	60	1725	56 TENV	25 1/2	21 1/2	18 1/2	9 3/8
1/3	115/230	1	60	1725		26 7/8	22 7/8	19 7/8	10 3/4
1/2	230/460	3	60	1725		26 7/8	22 7/8	19 7/8	10 3/4
1/2	115/230	1	60	1725	56 TEFC	26 7/8	22 7/8	19 7/8	10 3/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

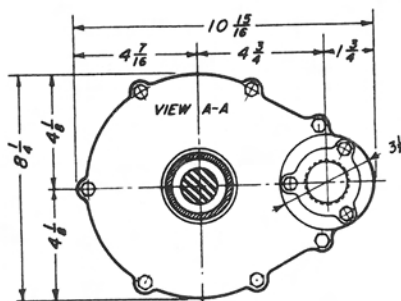
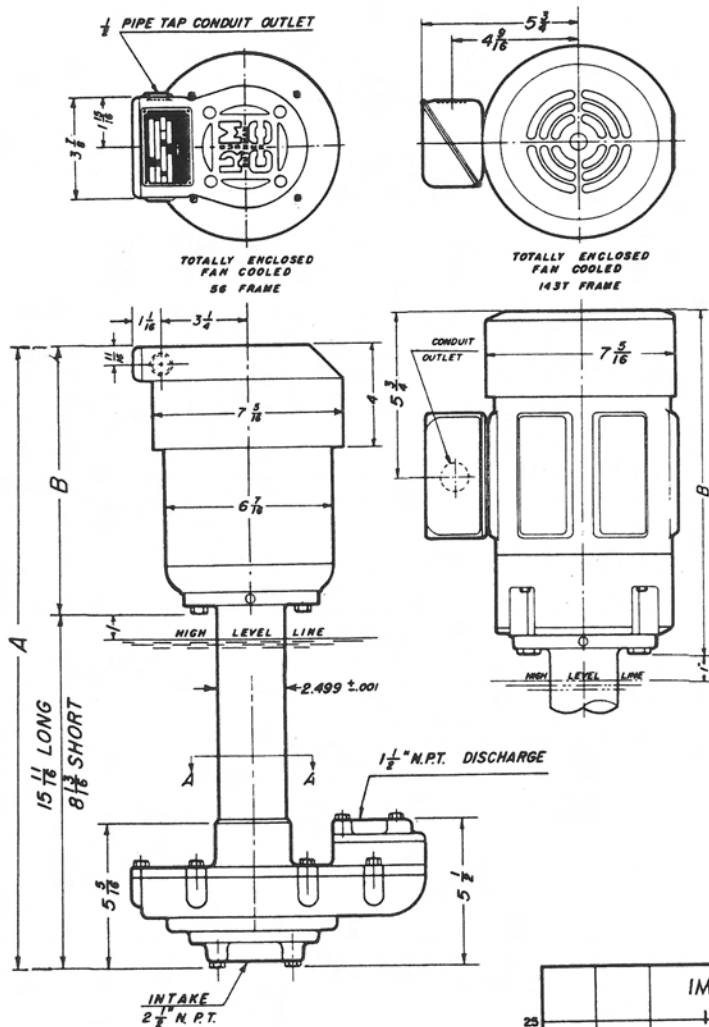
BROKEN LINE - - - 200 SSU Oil, 100°F

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

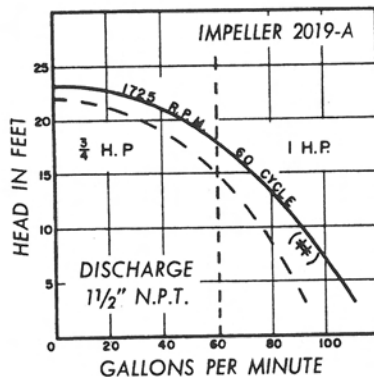
MODEL

# GUSHER® BO

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP



For additional suction lift mechanical seal is available.



Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72°F.

Broken Line - - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						LONG	SHORT	
3/4	230/460	3	60	1725	56 TENV	25 <sup>3</sup> / <sub>16</sub>	8 <sup>5</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>2</sub>
3/4	115/230	1	60	1725	56 TEFC	26 <sup>5</sup> / <sub>16</sub>	19 <sup>3</sup> / <sub>4</sub>	10 <sup>15</sup> / <sub>16</sub>
1	230/460	3	60	1725		27 <sup>1</sup> / <sub>16</sub>	20 <sup>3</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>8</sub>
1	230/460	3	60	1725	145T TEFC	27 <sup>1</sup> / <sub>16</sub>	20 <sup>3</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>8</sub>

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

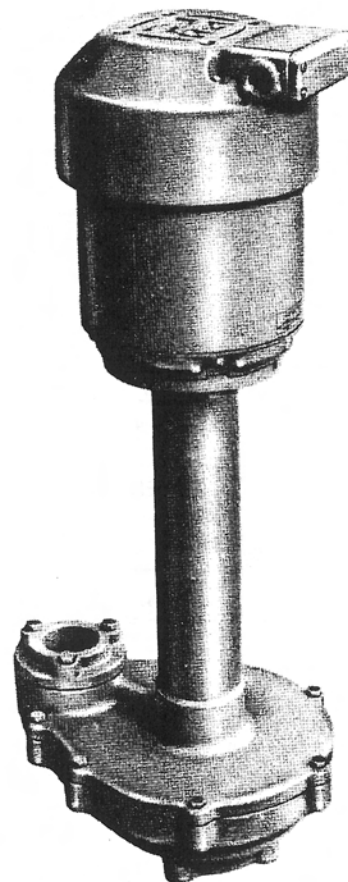
### WHEN ORDERING SPECIFY

- Model BO Long or Short
- Impeller 2013-A or 2019-A
- Motor Horse Power and Current Characteristics

Other current characteristics available.

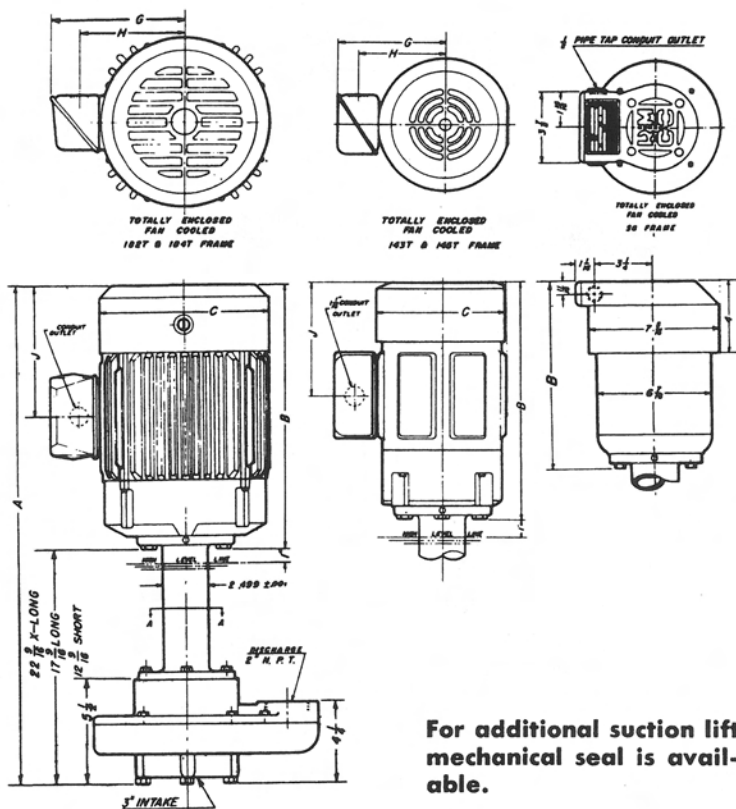
**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2013-A; Motor must be wound specifically for 50 cycle.



# GUSHER<sup>®</sup> CMO

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP



For additional suction lift mechanical seal is available.

### WHEN ORDERING SPECIFY

- Model CMO X-Long, Long or Short
- Impeller 2717, 2717-E, 2717-G or 2747
- Motor Horse Power and Current Characteristics

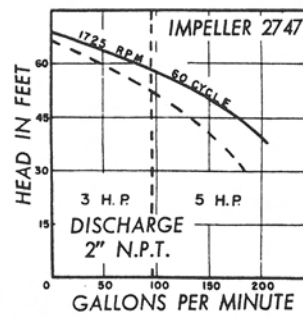
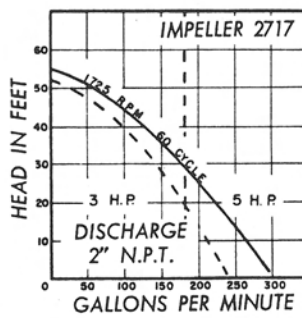
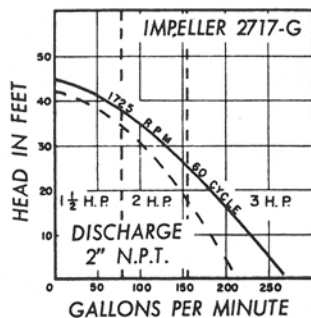
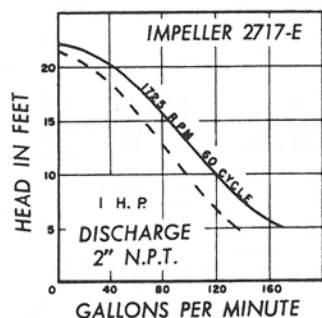
NOTE: 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	56 TEFC	34 1/16	29 1/16	24 1/16	11 1/2	.....	.....	.....	.....
1	230/460	3	60	1725	145T TEFC	34 1/16	29 1/16	24 1/16	11 1/2	7 1/16	5 3/4	4 1/16	6 1/4
1 1/2	230/460	3	60	1725	56 TEFC	34 1/16	29 1/16	24 1/16	11 1/2	.....	.....	.....	.....
1 1/2	230/460	3	60	1725	145T TEFC	34 1/16	29 1/16	24 1/16	11 1/2	7 1/16	5 3/4	4 1/16	6 1/4
2	230/460	3	60	1725	56 TEFC	35 1/16	30 1/16	25 1/16	12 1/2	.....	.....	.....	.....
2	230/460	3	60	1725	145T TEFC	35 1/16	30 1/16	25 1/16	12 1/2	7 1/16	5 3/4	4 1/16	6 1/4
3	230/460	3	60	1725	145T TEFC	36 1/16	31 1/16	26 1/16	13 1/2	7 1/16	5 3/4	4 1/16	6 1/4
5	230/460	3	60	1725	184T TEFC	37 1/16	32 1/16	27 1/16	14 3/4	9 1/16	7 1/4	5 3/4	7 1/16

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - - 200 SSU OIL, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

# GUSHER® UD-25

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

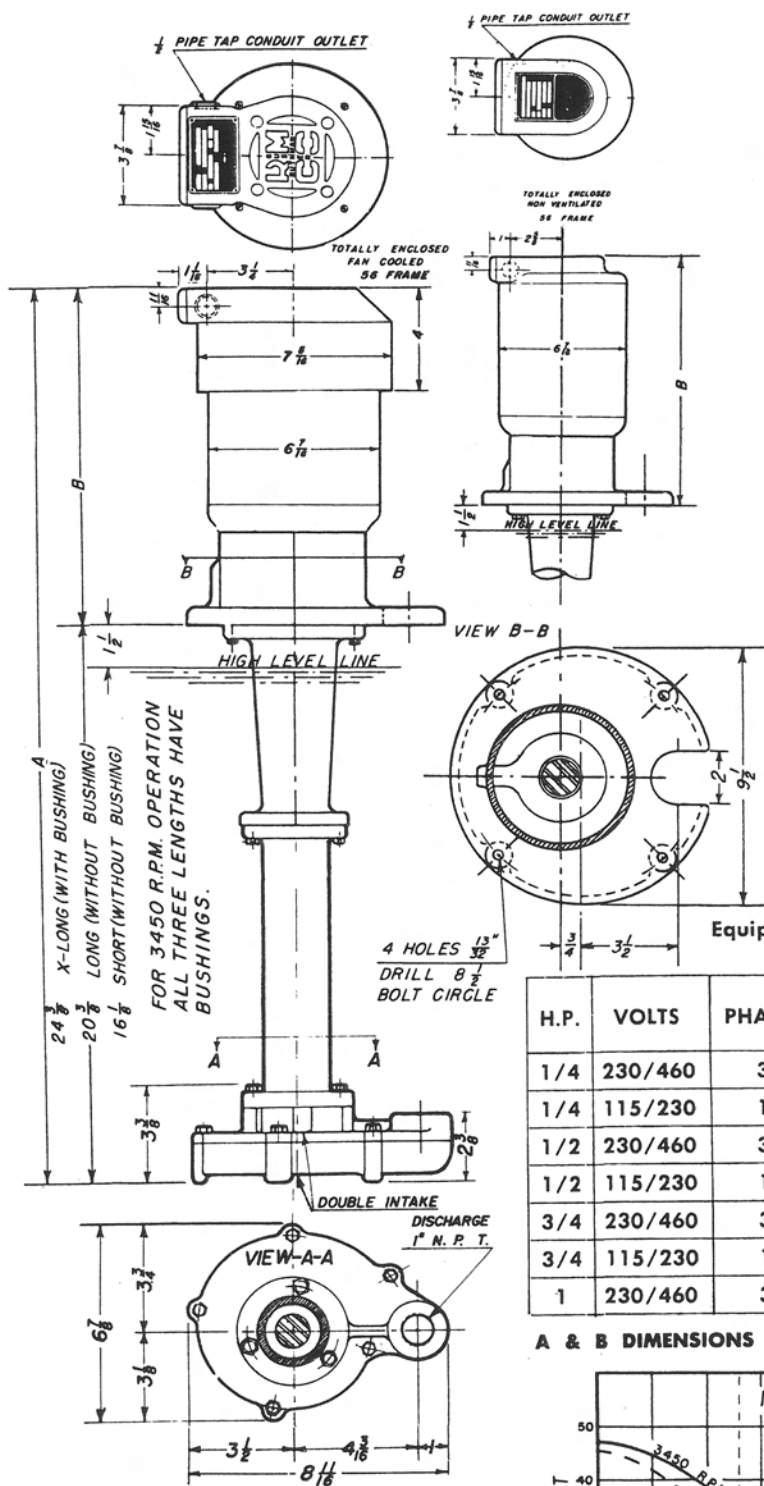
### WHEN ORDERING SPECIFY

- Model UD-25 X-Long, Long or Short
- Impeller 3500, 2217-S or 2218-B
- Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

Other current characteristics available.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

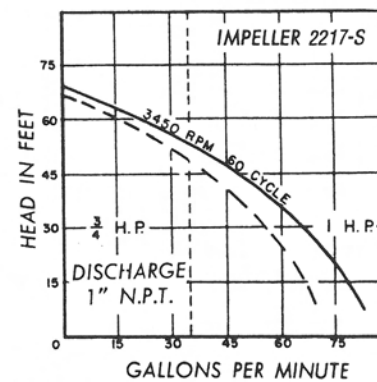
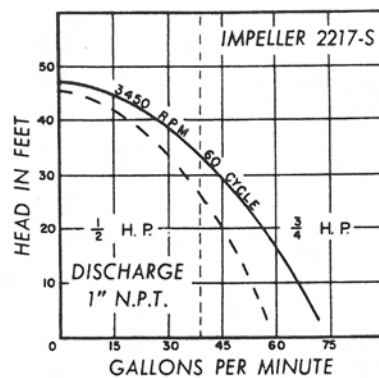
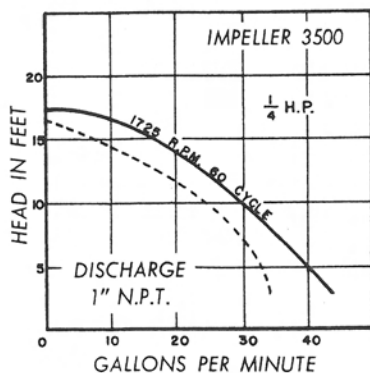


Equipped with integral mounting bracket.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	39 <sup>5</sup> / <sub>8</sub>	35 <sup>5</sup> / <sub>8</sub>	31 <sup>5</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>4</sub>
1/4	115/230	1	60	1725		39 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	15
1/2	230/460	3	60	3450		39 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	15
1/2	115/230	1	60	3450	56 TEFC	39 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	15
3/4	230/460	3	60	3450		39 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	15
3/4	115/230	1	60	3450		39 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	15
1	230/460	3	60	3450		39 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>8</sub>	15

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

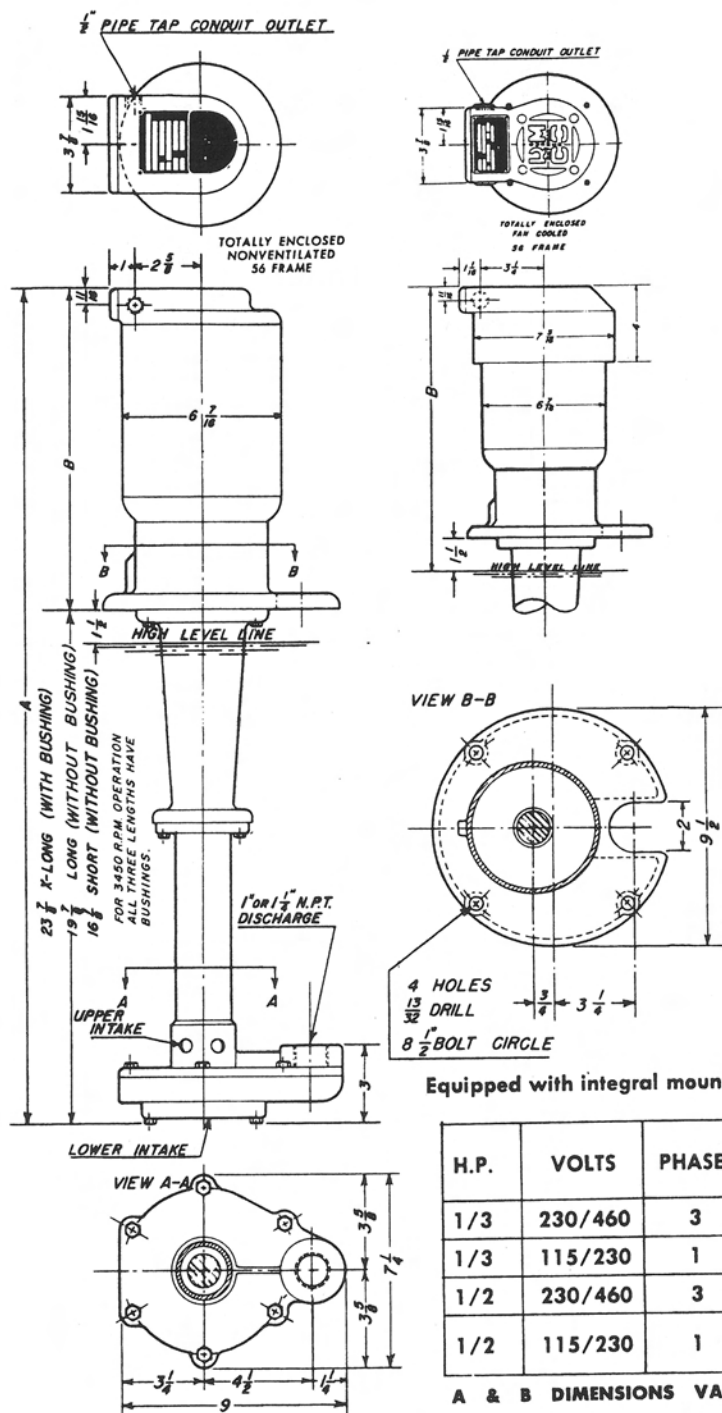


HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

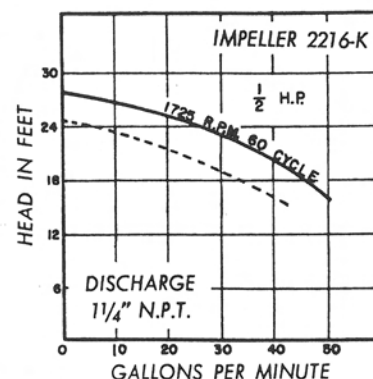
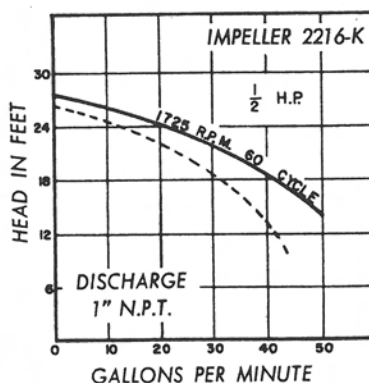
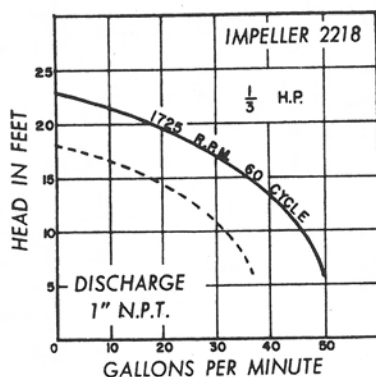
**GUSHER® RL-25****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**

Equipped with integral mounting bracket

## DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/3	230/460	3	60	1725	56 TENV	39 1/8"	35 1/8"	32 1/8"	15 1/4"
1/3	115/230	1	60	1725		38 7/8"	34 7/8"	31 7/8"	15
1/2	230/460	3	60	1725		38 7/8"	34 7/8"	31 7/8"	15
1/2	115/230	1	60	1725	56 TEFC	38 7/8"	34 5/8"	31 7/8"	15

A &amp; B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



## HEAD &amp; GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F. BROKEN LINE - - - 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

## WHEN ORDERING SPECIFY

- Model RL-25 X-Long, Long or Short
- Impeller 2218 or 2216-K
- Size of Discharge 1" or 1 1/4"
- Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

NOTE: 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.



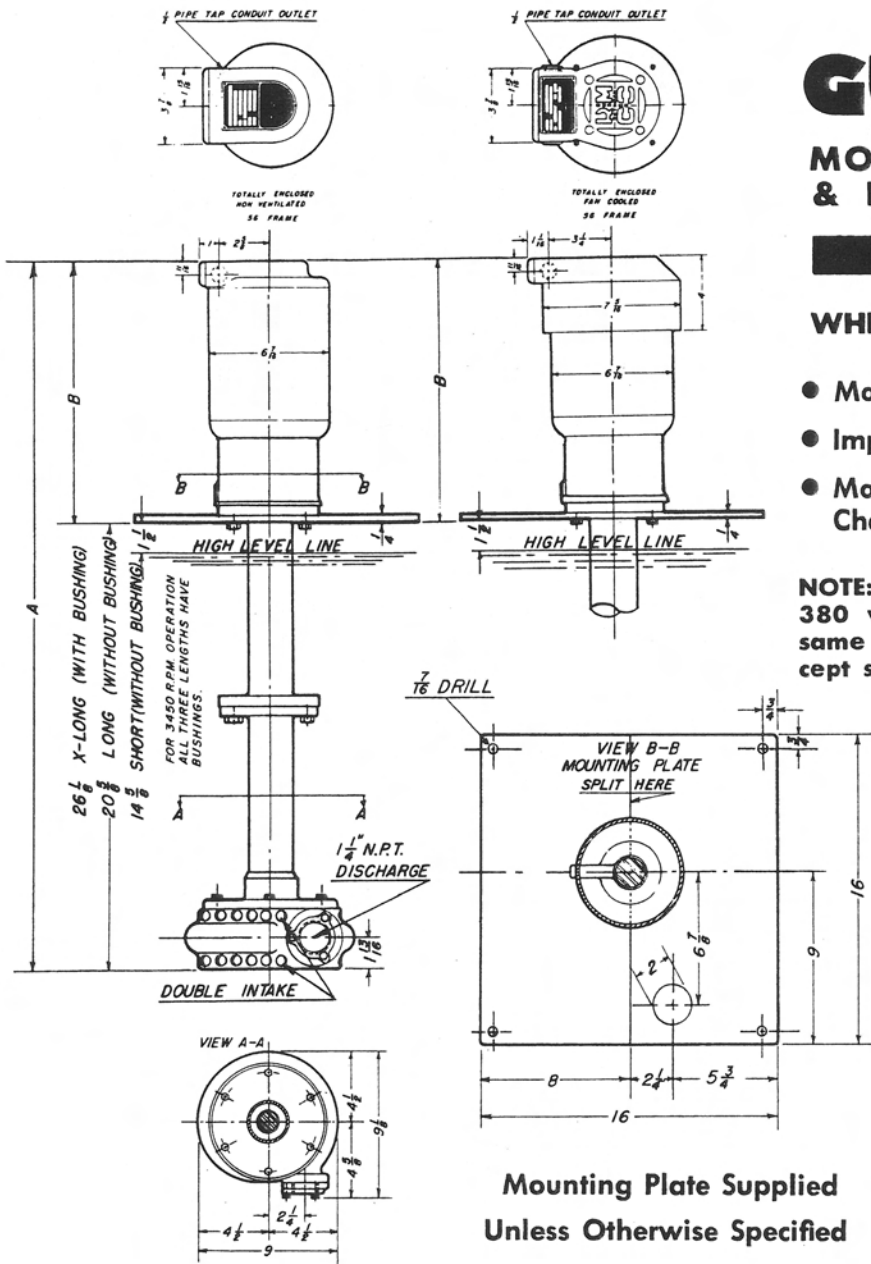
MODEL

**GUSHER® 29718****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 29718 X-Long, Long or Short
- Impeller 2292-ETN or 2681-B
- Motor Horse Power and Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

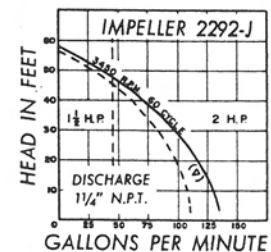
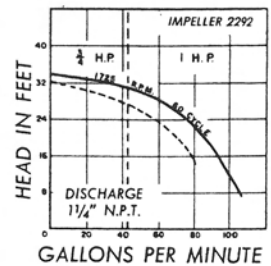
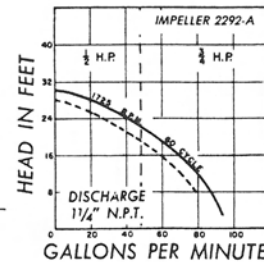


**Mounting Plate Supplied  
Unless Otherwise Specified**

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/2	230/460	3	60	1725	56 TENV	42 3/8	36 7/8	30 7/8	16 1/4
1/2	115/230	1	60	1725	56 TEFC	42 1/8	36 5/8	30 5/8	16
3/4	230/460	3	60	1725	56 TENV	42 3/8	36 7/8	30 7/8	16 1/4
3/4	115/230	1	60	1725	56 TEFC	42 1/8	36 5/8	30 5/8	16
1	230/460	3	60	1725		42	36 1/2	30 1/2	15 7/8
1 1/2	230/460	3	60	3450		42	36 1/2	30 1/2	15 7/8
2	230/460	3	60	3450		43	37 5/8	31 5/8	17

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



Head & Gallons Per Minute Measured at the Discharge.

**Solid Line** — Soluble Coolant, 72°F.  
**Broken Line** — 200 SSU Oil, 100°F.  
 For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

**GUSHER® 29718**

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

## WHEN ORDERING SPECIFY

- **Model 29718 or 29718-BB, X-Long, Long or Short**
- **Impeller 2292, 2292C, 2292-G, 2292-H, 2292-J, 2041-S or 2041-T**
- **Motor Horse Power and Current Characteristics**

**NOTE: 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.**

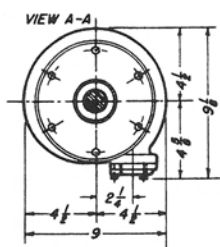
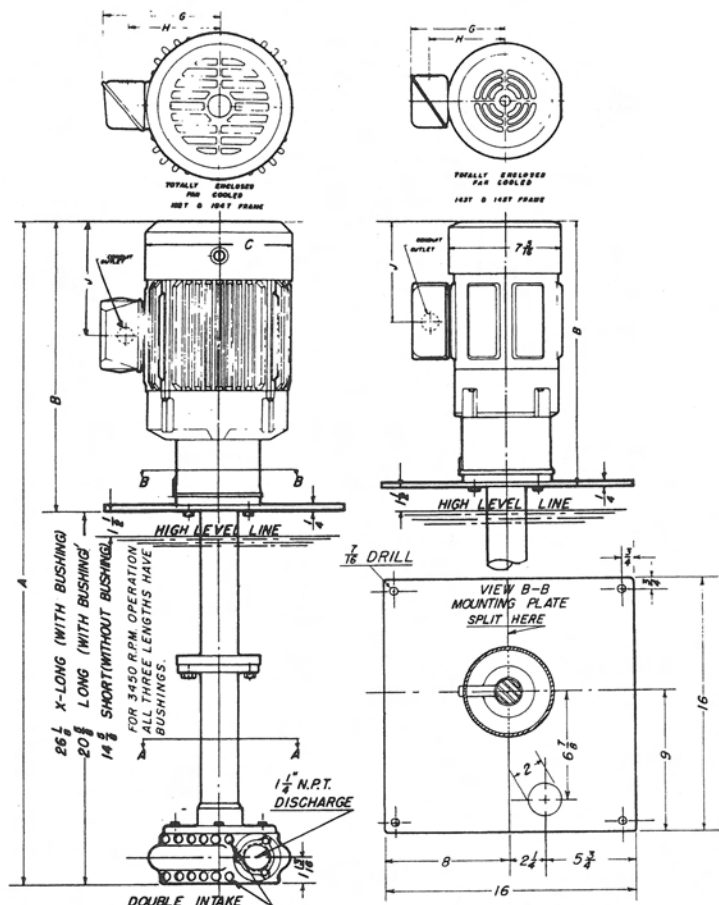
**Other current characteristics available.**

If 60 cycle performance is desired for 50 cycle operation specify impeller ( $\Delta$ ) 2292-G; Motor must be wound specifically for 50 cycle.

If 60 cycle performance is desired for 50 cycle operation specify impeller ( # ) 2292-C. Motor must be wound specifically for 50 cycle.

**Mounting Plate Supplied  
Unless Otherwise Specified**

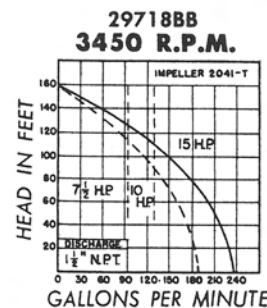
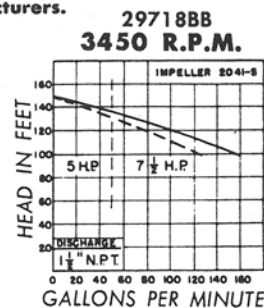
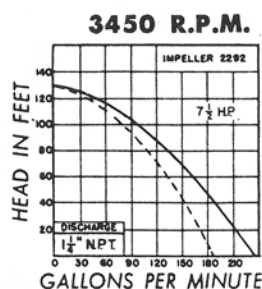
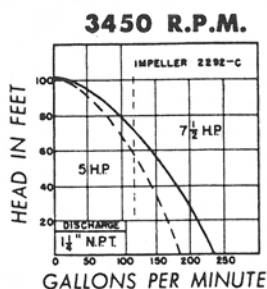
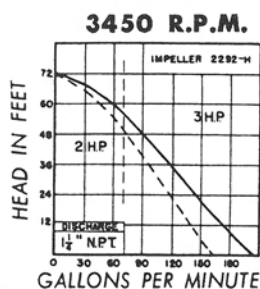
**DIMENSIONS IN INCHES**



H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	145T TEFC	42	36½	30½	15⅞	7⅝	5¼	4⅞	6¼
1½	230/460	3	60	3450	145T TEFC	42	36½	30½	15⅞	7⅝	5¼	4⅞	6¼
2	230/460	3	60	3450	145T TEFC	43	37⅝	31⅝	17	7⅝	5¾	4⅞	6¼
3	230/460	3	60	3450	145T TEFC	43¾	38⅝	32⅝	17¾	7⅝	5¼	4⅞	6¼
5	230/460	3	60	3450	145T TEFC	45½	39⅝	33⅝	19	7⅝	5¼	4⅞	6¼
7½ *	230/460	3	60	3450	213T TEFC	47½	41⅝	35⅝	21	10⅞	9⅞	7⅞	8⅞
10*	230/460	3	60	3450	215T TEFC	47½	41⅝	35⅝	21	10⅞	9⅞	7⅞	8⅞
15*	230/460	3	60	3450	254T-C TEFC	47⅞	42⅝	36⅝	21¾	13	10⅞	8⅞	10⅝

\*MODEL 29718-BB (7½ H.P. IS ALSO FURNISHED AS A STANDARD 29718).

**A & B dimensions vary slightly with motor manufacturers.**

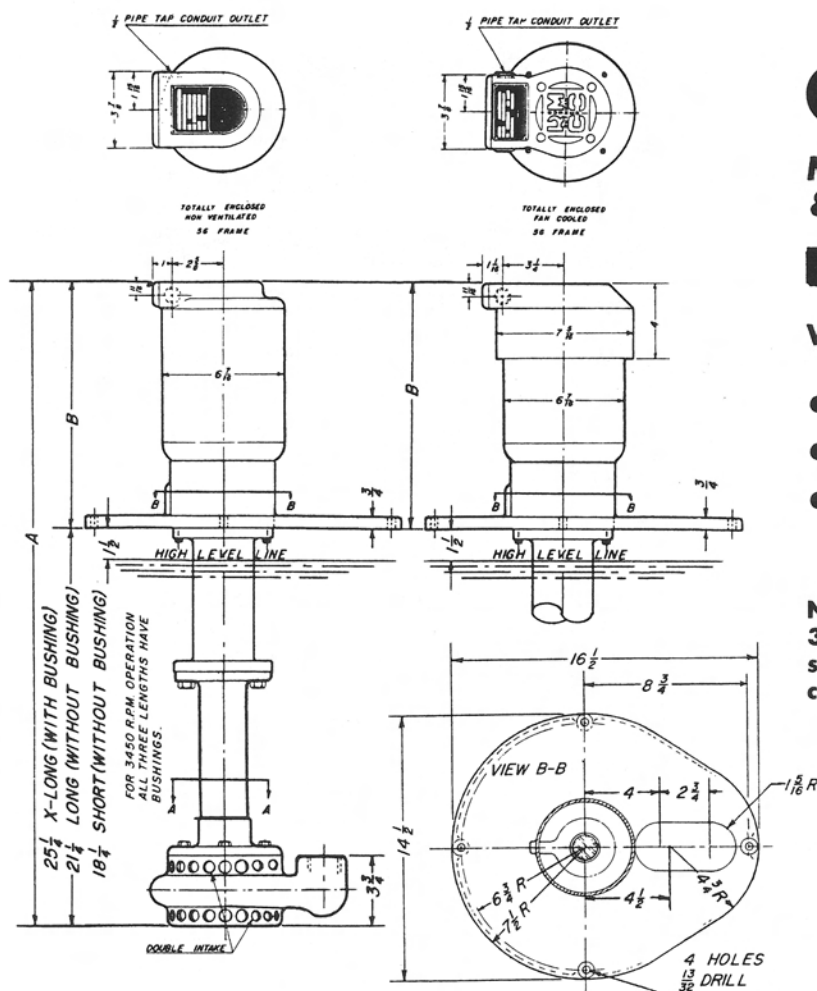


HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

**SOLID LINE** ————— Soluble Coolant, 72°F.

**BROKEN LINE - - - - - 200 SSU OIL, 100°F.**

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**GUSHER® 23D-26****MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 23D-26 X-Long, Long or Short
- Impeller 2136, 3530-BU or 3533
- Motor Horse Power and Current Characteristics

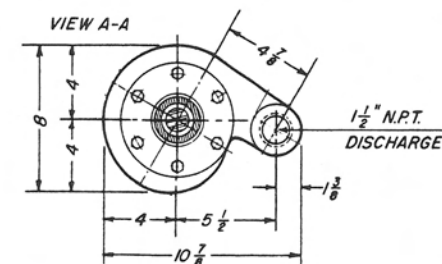
**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

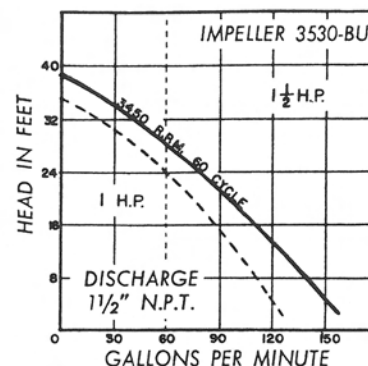
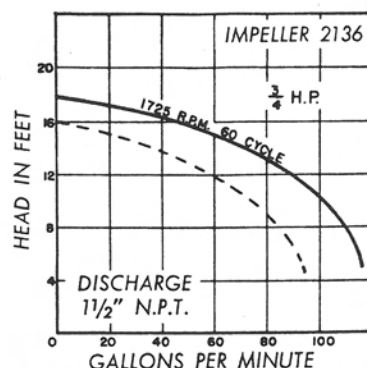
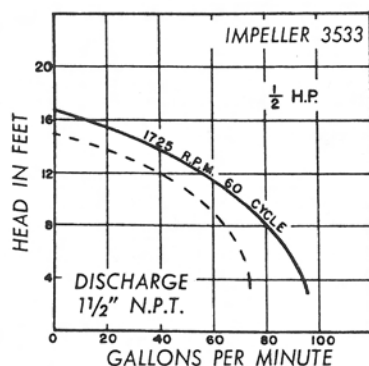
**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/2	230/460	3	60	1725	56 TENV	40 1/2	36 1/2	33 1/2	15 1/4
1/2	115/230	1	60	1725	56 TEFC	40 1/4	36 1/4	33 1/4	15
3/4	230/460	3	60	1725	56 TENV	40 1/2	36 1/2	33 1/2	15 1/4
3/4	115/230	1	60	1725	56 TEFC	40 1/4	36 1/4	33 1/4	15
1	230/460	3	60	3450		40 1/4	36 1/4	33 1/4	15
1 1/2	230/460	3	60	3450		40 1/4	36 1/4	33 1/4	15

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



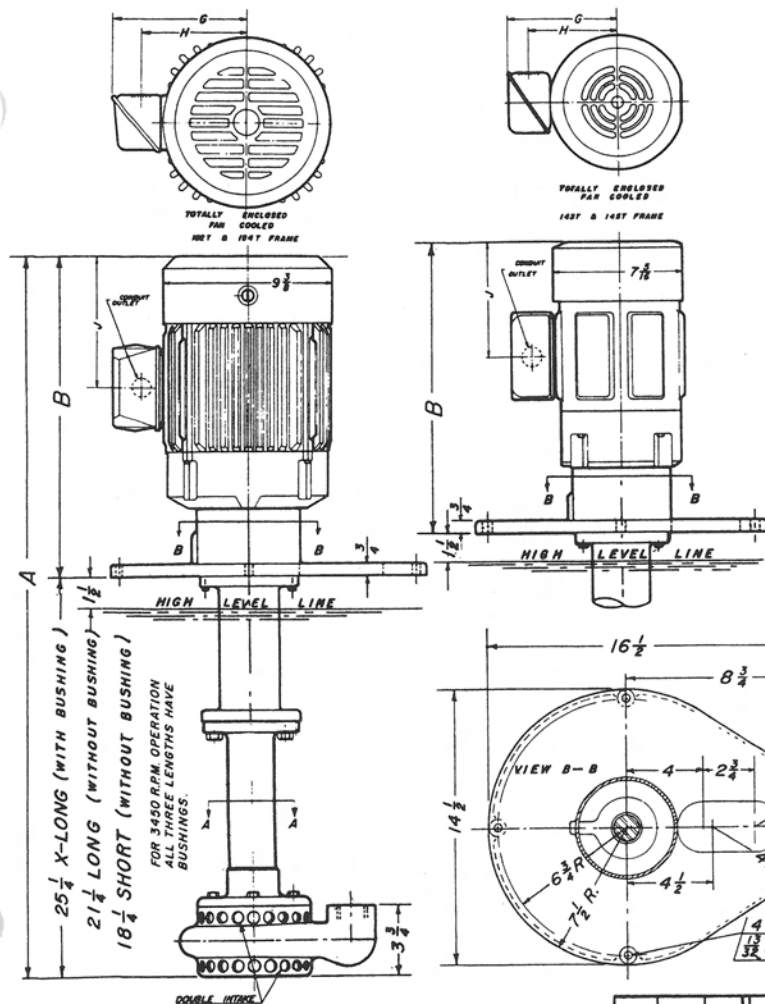
Equipped with integral mounting bracket.

**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - - 200 SSU OIL, 100°F.

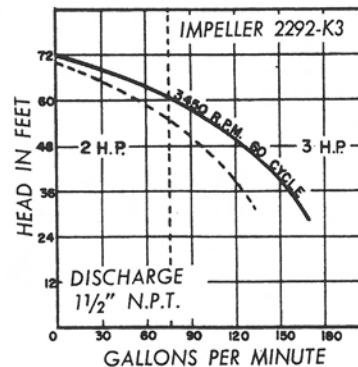
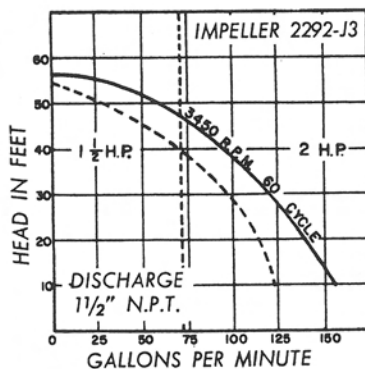
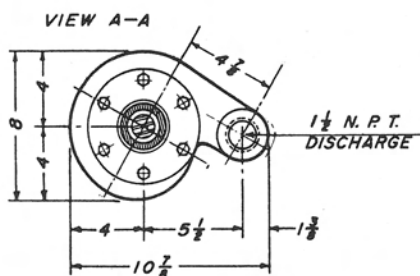
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**GUSHER® 23D-26****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 23D-26 X-Long, Long or Short
- Impeller 2292-K3 or 2292-J3
- Motor Horse Power & Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

**SOLID LINE** — Soluble Coolant, 72°F.

**BROKEN LINE - - - - -** 200 SSU OIL, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1 1/2	230/460	3	60	3450	145T TEFC	40 1/4	36 1/4	33 1/4	15	7 5/16	5 3/4	4 9/16	6 1/4
2	230/460	3	60	3450	145T TEFC	41 1/8	37 1/8	34 1/8	15 7/8	7 7/16	5 3/4	4 9/16	6 1/4
3	230/460	3	60	3450	145T TEFC	42	38	35	16 3/4	7 7/16	5 3/4	4 9/16	6 1/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

# GUSHER® BL-26

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

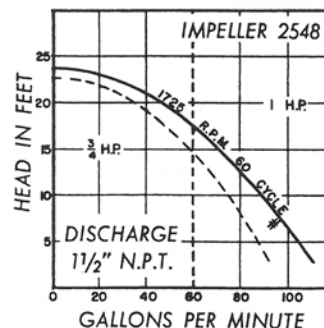
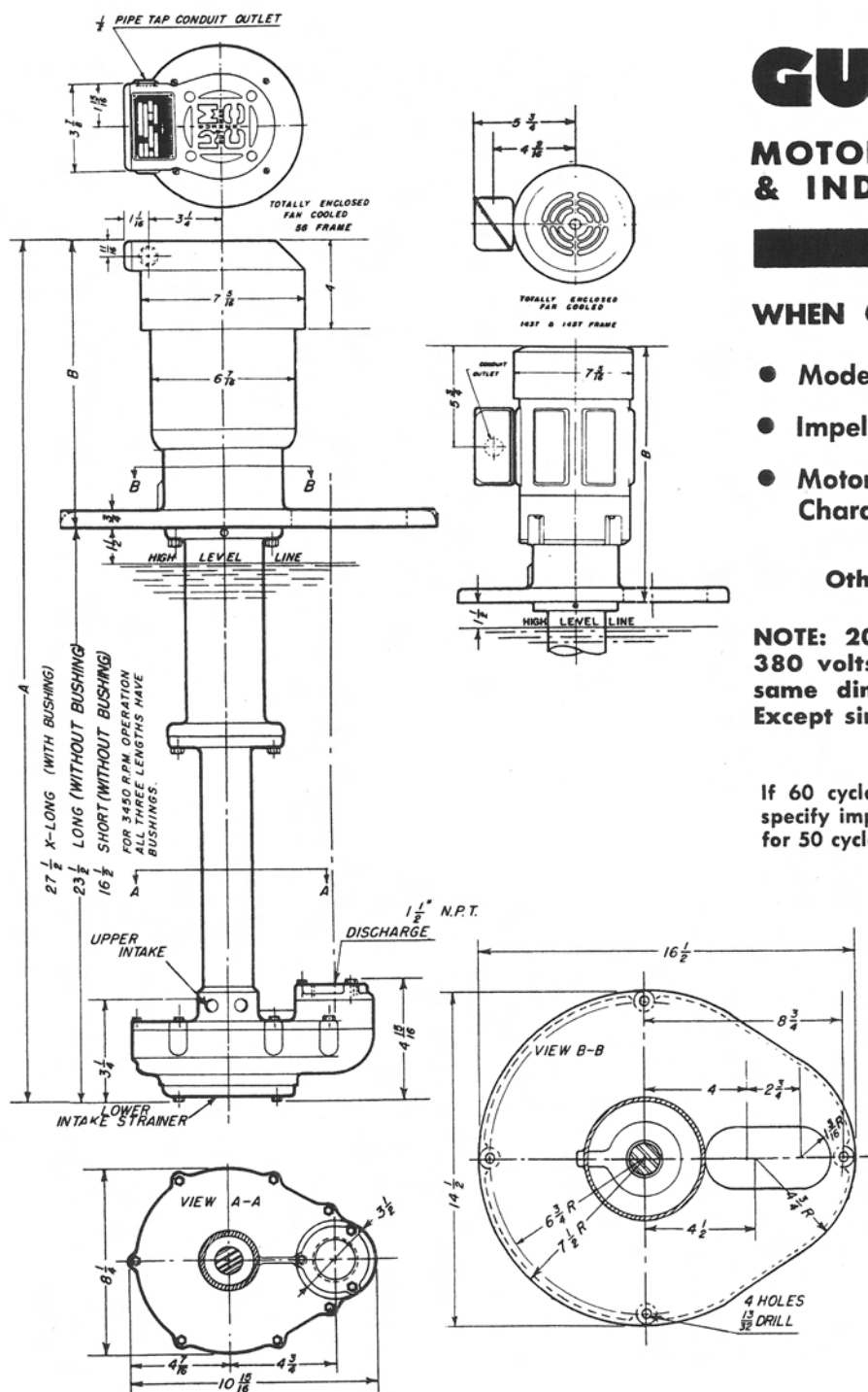
### WHEN ORDERING SPECIFY

- Model BL-26 X-Long, Long or Short
- Impeller 2548
- Motor Horse Power and Current Characteristics

Other current characteristics available.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2185; Motor must be wound specifically for 50 cycle.



Head & Gallons Per Minute Measured at the Discharge.

**Solid Line** — Soluble Coolant, 72°F.

**Broken Line** — 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.

Equipped with integral mounting bracket.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
3/4	230/460	3	60	1725	56 TENV				
3/4	115/230	1	60	1725	56 TEFC	42 <sup>3</sup> / <sub>8</sub>	38 <sup>3</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>8</sub>	14 <sup>7</sup> / <sub>8</sub>
1	230/460	3	60	1725					
1	230/460	3	60	1725	145T TEFC	42 <sup>3</sup> / <sub>8</sub>	38 <sup>3</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>8</sub>	14 <sup>7</sup> / <sub>8</sub>

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



# GUSHER® CML-26

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

## WHEN ORDERING SPECIFY

- **Model CML-26 X-Long, Long or Short**
- **Impeller 2041, 2041-B, 2041-G or 2746**
- **Motor Horse Power and Current Characteristics**

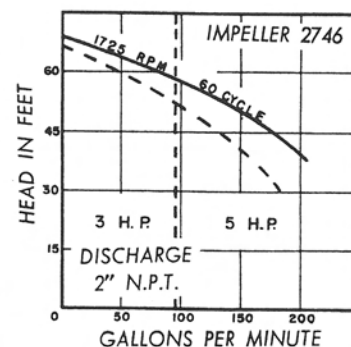
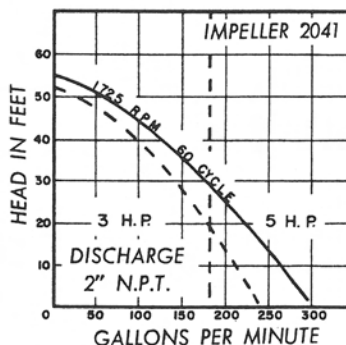
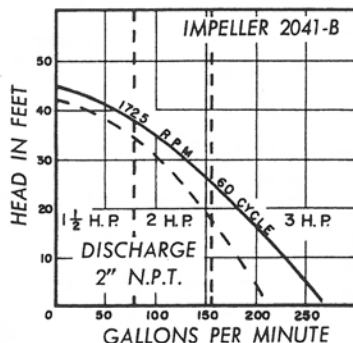
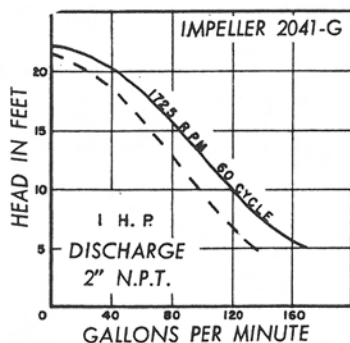
**NOTE: 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.**

**Other current characteristics available.**

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	56 TEFC	44	40	35	14 $\frac{7}{8}$	.....	.....	.....	.....
1	230/460	3	60	1725	145T TEFC	44	40	35	14 $\frac{7}{8}$	7 $\frac{1}{8}$	5 $\frac{3}{4}$	4 $\frac{1}{8}$	6 $\frac{1}{4}$
1 $\frac{1}{2}$	230/460	3	60	1725	56 TEFC	44	40	35	14 $\frac{7}{8}$	.....	.....	.....	.....
1 $\frac{1}{2}$	230/460	3	60	1725	145T TEFC	44	40	35	14 $\frac{7}{8}$	7 $\frac{1}{8}$	5 $\frac{3}{4}$	4 $\frac{1}{8}$	5 $\frac{3}{4}$
2	230/460	3	60	1725	56 TEFC	45	41	36	15 $\frac{7}{8}$	.....	.....	.....	.....
2	230/460	3	60	1725	145T TEFC	45	41	36	15 $\frac{7}{8}$	7 $\frac{1}{8}$	5 $\frac{3}{4}$	4 $\frac{1}{8}$	6 $\frac{1}{4}$
3	230/460	3	60	1725	145T TEFC	46	42	37	16 $\frac{7}{8}$	7 $\frac{1}{16}$	5 $\frac{1}{4}$	4 $\frac{1}{16}$	6 $\frac{1}{4}$
5	230/460	3	60	1725	184T TEFC	47 $\frac{1}{2}$	43 $\frac{1}{2}$	38 $\frac{1}{2}$	18	9 $\frac{3}{8}$	7 $\frac{1}{4}$	5 $\frac{3}{4}$	7 $\frac{3}{8}$

**A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS**



### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

**SOLID LINE** ————— Soluble Coolant, 72°F.

**BROKEN LINE - - - - - 200 SSU OIL, 100°F.**

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

MODEL

# GUSHER 25818

MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

## WHEN ORDERING SPECIFY

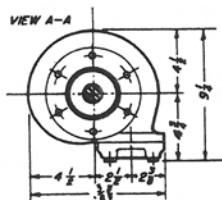
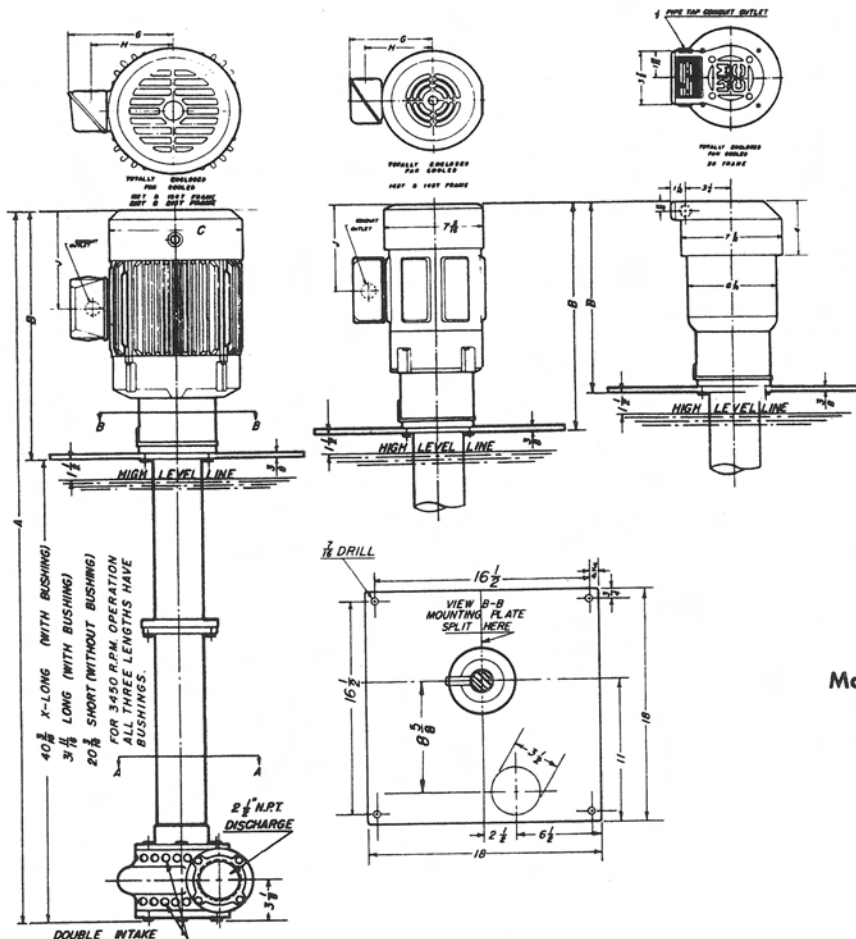
- Model 25818 X-Long, Long or Short
- Impeller 2191, 2191-A, 2191-D or 2191-DVN
- Motor Horse Power and Current Characteristics

NOTE: 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

Mounting Plate Supplied Unless Otherwise Specified

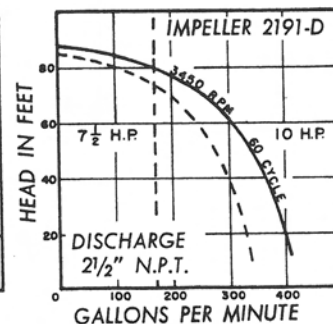
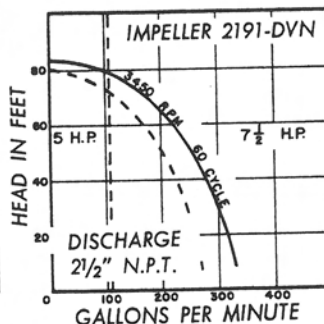
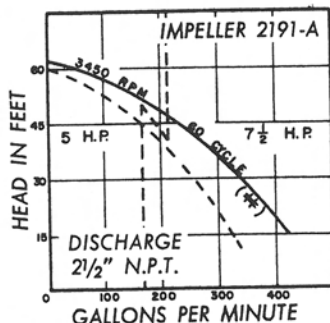
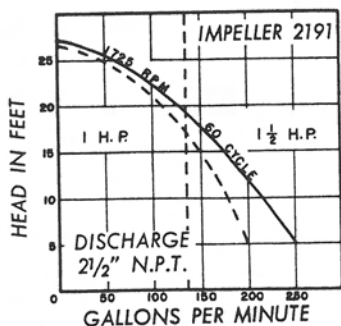
If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2191: Motor must be wound specifically for 50 cycle.



## DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	56 TEFC	56 1/8	47 9/16	36 3/4	15 7/8	.....	.....	.....	.....
1	230/460	3	60	1725	145T TEFC	56 1/8	47 9/16	36 3/4	15 7/8	7 1/16	5 3/4	4 9/16	6 1/4
1 1/2	230/460	3	60	1725	56 TEFC	56 1/8	47 9/16	36 3/4	15 7/8	.....	.....	.....	.....
1 1/2	230/460	3	60	1725	145T TEFC	56 1/8	47 9/16	36 3/4	15 7/8	7 1/16	5 3/4	4 9/16	6 1/4
3	230/460	3	60	3450	145T TEFC	57 15/16	49 7/16	37 15/16	17 3/4	7 1/16	5 3/4	4 9/16	6 1/4
5	230/460	3	60	3450	145T TEFC	59 3/8	50 11/16	39 15/16	19	7 1/16	5 3/4	4 9/16	6 1/4
7 1/2	230/460	3	60	3450	213T TEFC	60 11/16	52 3/8	40 11/16	20 1/2	10 5/8	9 1/4	7 1/4	8 1/4
10	230/460	3	60	3450	215T TEFC	60 15/16	52 5/8	40 15/16	20 3/4	10 5/8	9 1/4	7 1/4	8 1/4

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F. BROKEN LINE - - - - 200 SSU OIL, 100°F.  
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

# GUSHER® 26918

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

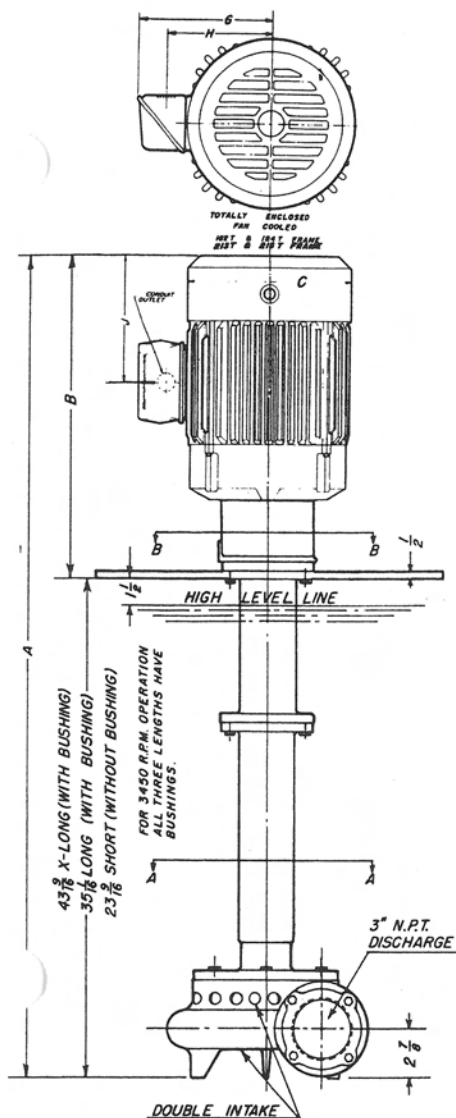
### WHEN ORDERING SPECIFY

- Model 26918 X-Long, Long or Short
- Impeller 6220, 6220-B, 6220-C, 6220-F or 6220-G
- Motor Horse Power & Current Characteristics

Other current characteristics available.

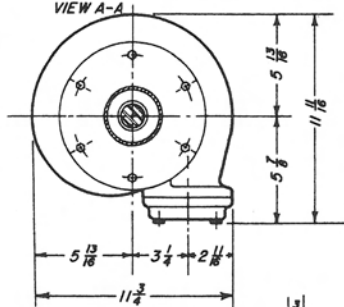
**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Mounting Plate Supplied Unless Otherwise Specified



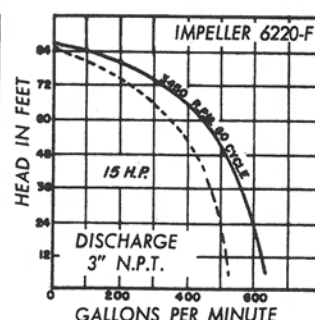
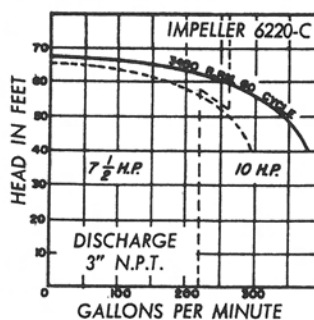
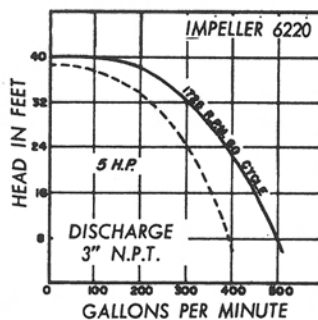
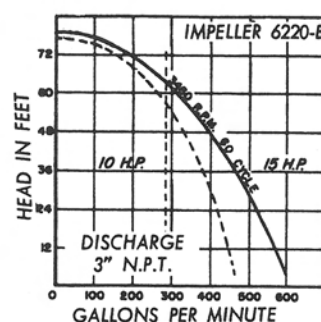
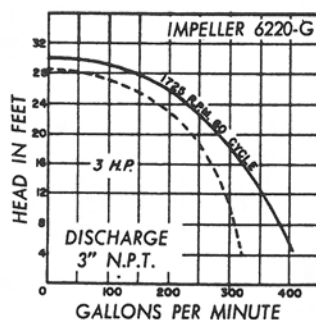
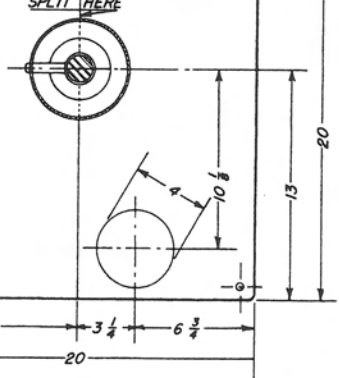
DOUBLE INTAKE

VIEW A-A



7/16 DRILL

VIEW B-B  
MOUNTING PLATE  
SPLIT HERE



### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

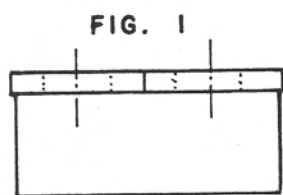
BROKEN LINE - - - - 200 SSU OIL, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

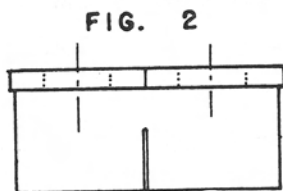
### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
3	230/460	3	60	1725	145T TEFC	61 <sup>15</sup> / <sub>16</sub>	52 <sup>13</sup> / <sub>16</sub>	41 <sup>5</sup> / <sub>16</sub>	17 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>4</sub>	5 <sup>3</sup> / <sub>4</sub>	4 <sup>9</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>4</sub>
5	230/460	3	60	1725	184T TEFC	62 <sup>9</sup> / <sub>16</sub>	54 <sup>1</sup> / <sub>16</sub>	52 <sup>9</sup> / <sub>16</sub>	19	9 <sup>9</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>4</sub>	5 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>4</sub>
7 <sup>1</sup> / <sub>2</sub>	230/460	3	60	3450	213T TEFC	64 <sup>1</sup> / <sub>16</sub>	55 <sup>9</sup> / <sub>16</sub>	54 <sup>1</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>2</sub>	10 <sup>9</sup> / <sub>16</sub>	9 <sup>9</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>4</sub>	8 <sup>1</sup> / <sub>4</sub>
10	230/460	3	60	3450	215T TEFC	64 <sup>9</sup> / <sub>16</sub>	55 <sup>13</sup> / <sub>16</sub>	54 <sup>1</sup> / <sub>16</sub>	20 <sup>3</sup> / <sub>4</sub>	10 <sup>9</sup> / <sub>16</sub>	9 <sup>9</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>4</sub>	8 <sup>1</sup> / <sub>4</sub>
15	230/460	3	60	3450	254T-C TEFC	65 <sup>9</sup> / <sub>16</sub>	56 <sup>13</sup> / <sub>16</sub>	55 <sup>9</sup> / <sub>16</sub>	21 <sup>3</sup> / <sub>4</sub>	13	10 <sup>9</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>4</sub>	10 <sup>1</sup> / <sub>4</sub>

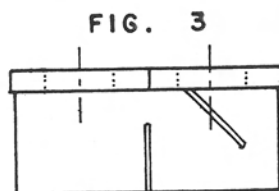
A & B dimensions vary slightly with motor manufacturers.



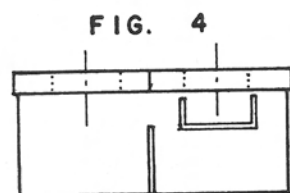
NO BAFFLE



1 BAFFLE

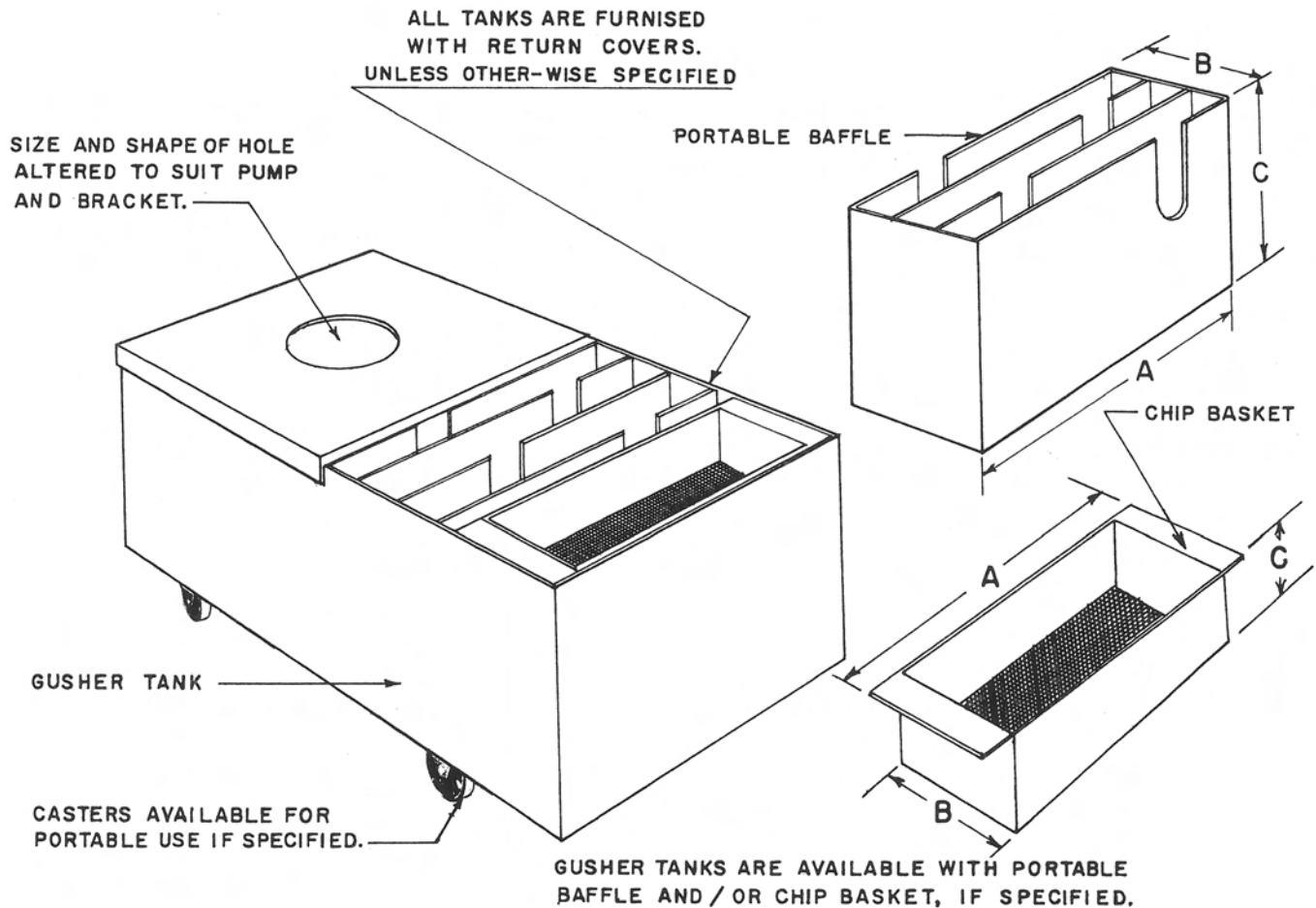


2 BAFFLES



1 BAFFLE  
1 SETTLING TRAY

# TANK UNITS AND ACCESSORIES



CHIP BASKET NUMBER	TANK CAPACITY	A	B	C
CB-10	10	11½"	8"	6"
CB-16	16	11¾"	10"	6"
CB-32	32	14½"	10"	6"
CB-50	50	21¾"	10"	6"
CB-80	80, 100, 150, 200	27½"	14"	6"

FOR EASY REMOVAL OF ACCUMULATED CHIPS AND GRIT AN OPTIONAL CHIP BASKET CAN BE FURNISHED.

PORTABLE BAFFLE NUMBER	TANK CAPACITY	A	B	C
B-16A	16	13⅞"	7"	9"
B-32	32	14⅝"	9"	14"
B-50	50	21⅜"	11"	14"
B-80	80, 100	27⅝"	12"	14"
B-150	150, 200	27⅝"	12"	23½"

A PORTABLE BAFFLE SETTLES OUT PRACTICALLY ALL CHIPS AND GRIT FROM THE COOLANT AND ALLOWS FOR EASY REMOVAL.



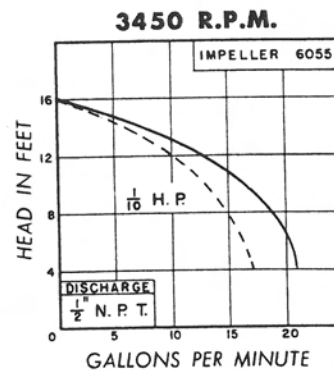
## WHEN ORDERING SPECIFY

- **Model 3-P3 or 4-P3 X-Long, Long or Short.**
- **Right Hand Discharge — 3-P3**  
**Left Hand Discharge — 4-P3**
- **Motor Horse Power and Current Characteristics**

**Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.**

**NOTE: 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.**

**Other current characteristics available.**



**Head & Gallons per minute measured at the discharge.**

Solid Line ————— Soluble Coolant, 72° F.

Broken Line - - - - - 200 SSU Oil, 100° F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

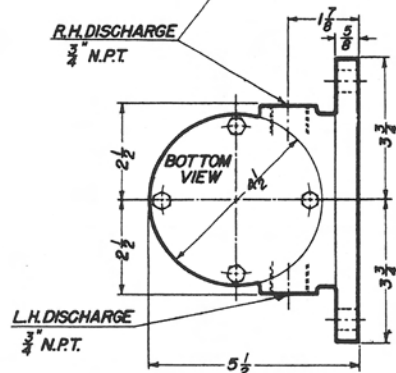
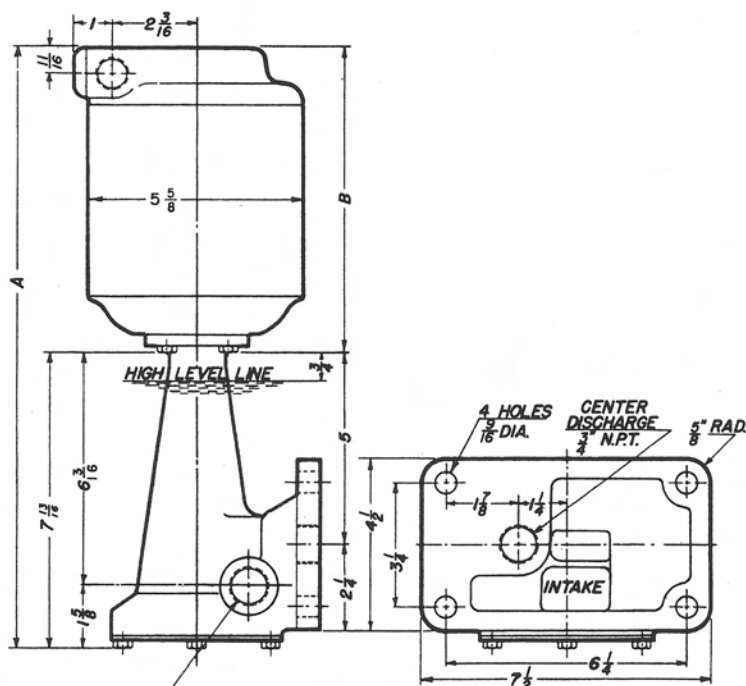
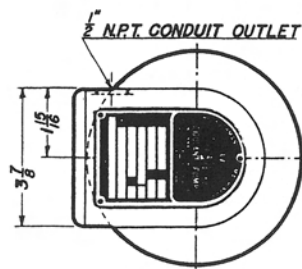
**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/10	230/460	3	60	3450	48	18%	15%	13%	7½
1/10	115/230	1	60	3450	48	18%	15%	13%	7½

**A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS**

# GUSHER® 9-P3

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP



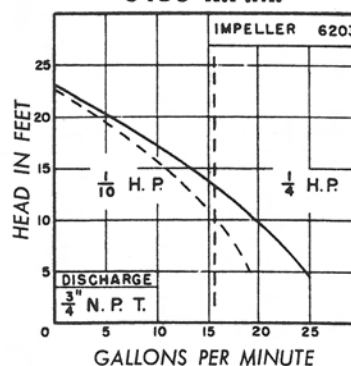
### WHEN ORDERING SPECIFY

- Model 9-P3
- Right Hand, Left Hand or Center Discharge
- Motor Horse Power and Current Characteristics

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.  
Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

**3450 R.P.M.**



Head & Gallons per minute measured at the discharge.

Solid Line — Soluble Coolant, 72° F.

Broken Line - - - - - 200 SSU Oil, 100° F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A	B
1/10	230/460	3	60	3450	48	15 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub>
1/10	115/230	1	60	3450	48	15 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub>
1/4	230/460	3	60	3450	48	15 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub>
1/4	115/230	1	60	3450	48	15 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub>

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

**GUSHER® 9025-K2**

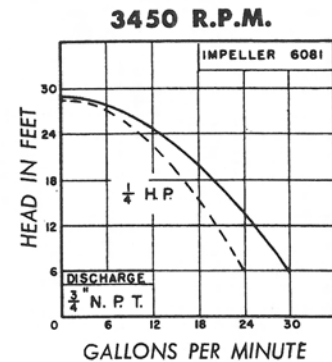
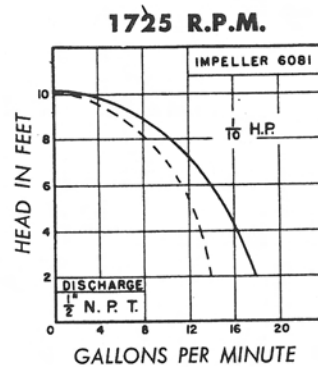
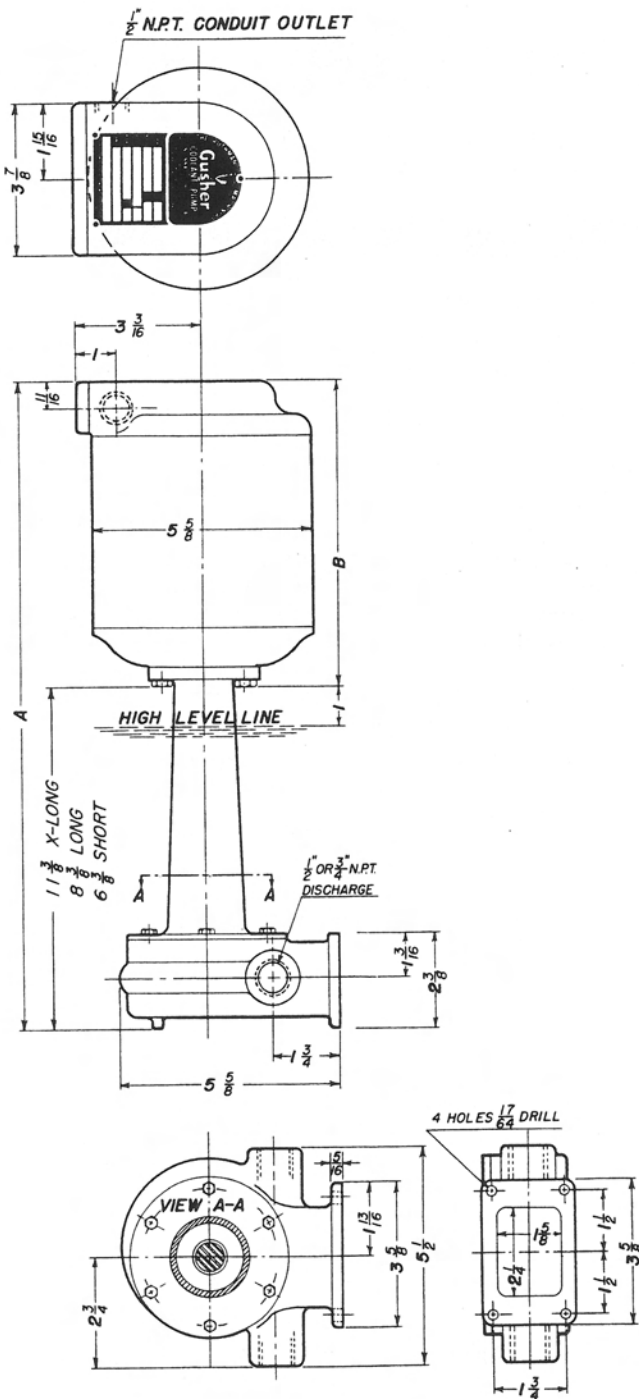
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

## WHEN ORDERING SPECIFY

- **Model 9025-K2 X-Long, Long or Short.**
- **Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)**
- **Impeller 6081 or 6081-A**
- **Motor Horse Power and Current  
Characteristics.**

**NOTE: 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.**

**Other current characteristics available.**



**Head & Gallons per minute measured at the discharge.**

**Solid Line ————— Soluble Coolant, 72° F.**

**Broken Line - - - - - 200 SSU Oil, 100° F.**

**For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.**

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/10	230/460	3	60	1725	48	18%	15%	13%	7½
1/10	115/230	1	60	1725	48	18%	15%	13%	7½
1/4	230/460	3	60	3450	48	18%	15%	13%	7½
1/4	115/230	1	60	3450	48	18%	15%	13%	7½

**A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS**

**Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.**

# GUSHER® 5P-4521

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

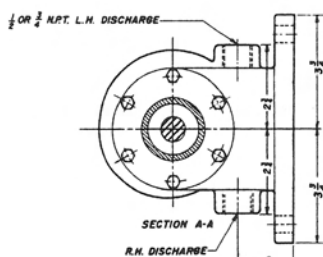
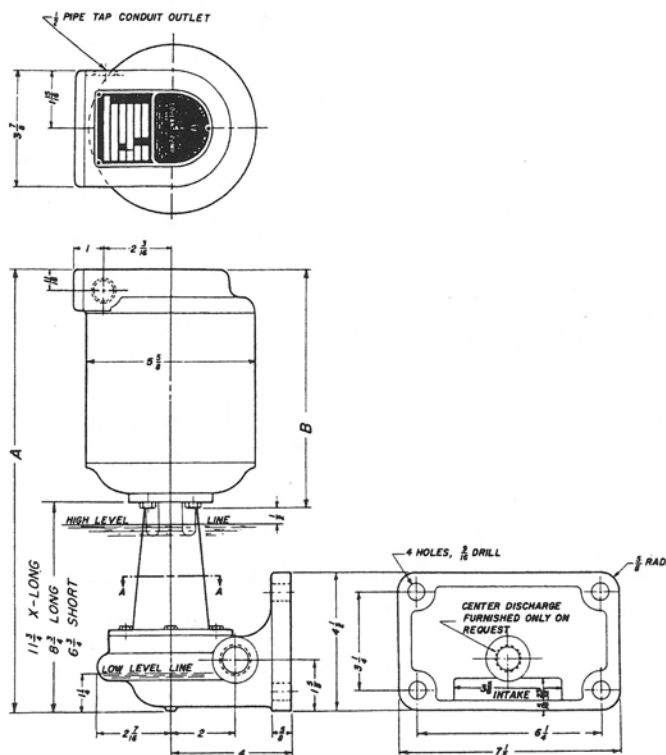
### WHEN ORDERING SPECIFY

- Model 5P-4521 X-Long, Long or Short
- Impeller 6171, 6171-A or 6171-B
- Right Hand, Left Hand or Center Discharge
- Motor Horsepower and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycles — 220/380 volts 50 cycles — 550 volts 50/60 cycles same dimensions as 230/460 volts 60 cycles. Except single phase.

Other current characteristics available.

1/10 H.P. - 2850 R.P.M. — If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 6171-B; Motor must be wound specifically for 50 cycle.

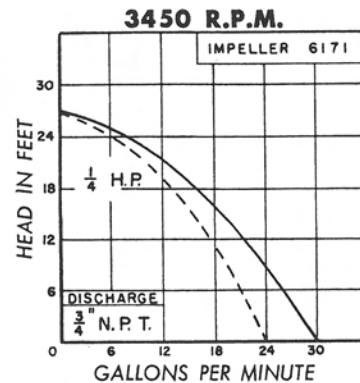
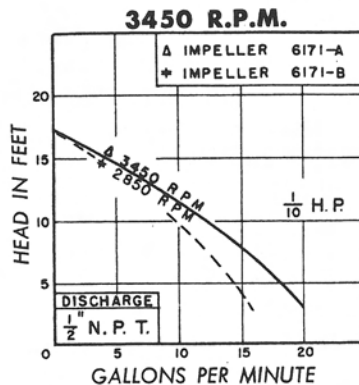
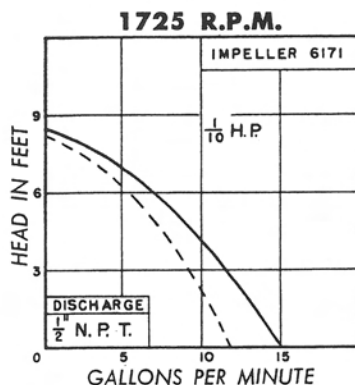


\* 1/2 H.P. recommended when pumping cutting oil.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/10	230/460	3	60	1725	48	19 1/4	16 1/4	14 1/4	7 1/2
1/10	115/230	1	60	1725	48	19 1/4	16 1/4	14 1/4	7 1/2
1/10	230/460	3	60	3450	48	19 1/4	16 1/4	14 1/4	7 1/2
1/10	115/230	1	60	3450	48	19 1/4	16 1/4	14 1/4	7 1/2
1/4	230/460	3	60	3450	48	19 1/4	16 1/4	14 1/4	7 1/2
1/4	115/230	1	60	3450	48	19 1/4	16 1/4	14 1/4	7 1/2
1/2*	230/460	3	60	3450	56 TENV	21 7/8	18 7/8	16 7/8	9 1/8
1/2*	115/230	1	60	3450	56 TENV	22 3/8	19 3/8	17 3/8	10 5/8

A & B dimensions vary slightly with motor manufacturers.



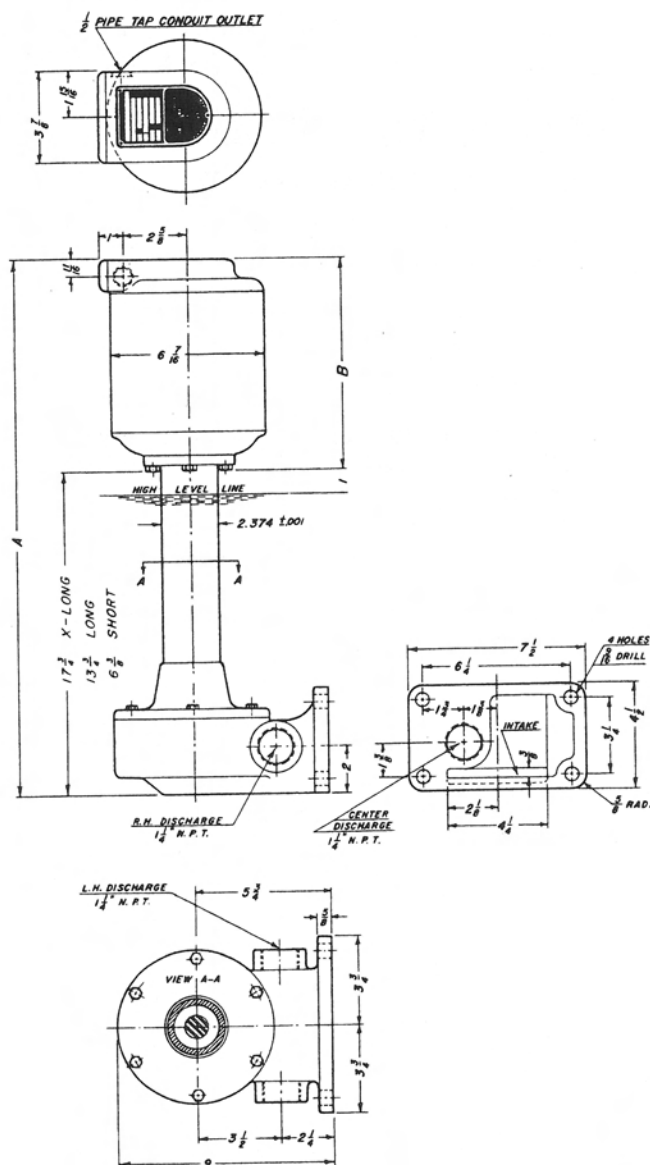
### HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE ---- 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

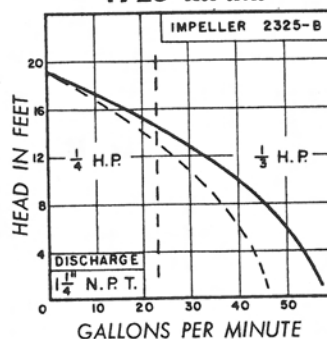
Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

**GUSHER® H-7550****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model H-7550 X-Long, Long or Short
- Right Hand, Left Hand or Center Discharge
- Motor Horse Power and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

**1725 R.P.M.**

1/2 H.P. recommended when pumping cutting oil.

Head & Gallons per minute measured at the discharge.

Solid Line — Soluble Coolant, 72° F.

Broken Line - - - - 200 SSU Oil, 100° F.

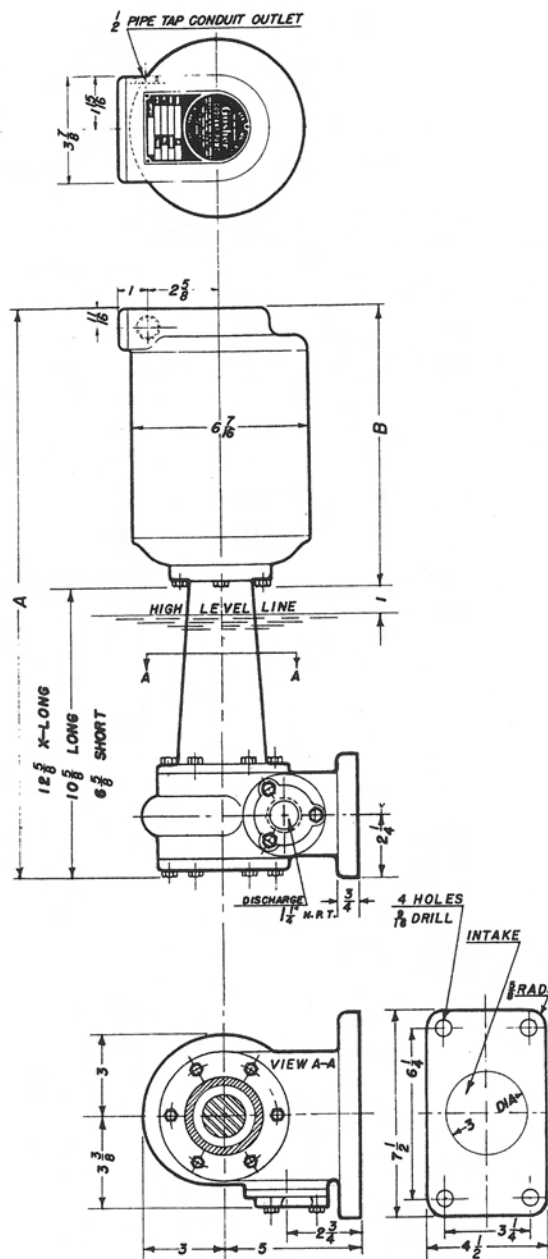
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	27 <sup>1</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>4</sub>	15 <sup>1</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>
1/4	115/230	1	60	1725	56 TEFC	25 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>
1/3	230/460	3	60	1725	56 TENV	27 <sup>1</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>4</sub>	15 <sup>1</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>
1/3	115/230	1	60	1725	56 TENV	28 <sup>1</sup> / <sub>2</sub>	24 <sup>1</sup> / <sub>2</sub>	17 <sup>1</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>4</sub>
1/2	230/460	3	60	1725	56 TENV	27 <sup>11</sup> / <sub>16</sub>	23 <sup>11</sup> / <sub>16</sub>	16 <sup>5</sup> / <sub>16</sub>	9 <sup>15</sup> / <sub>16</sub>
1/2	115/230	1	60	1725	56 TEFC	29 <sup>1</sup> / <sub>4</sub>	25 <sup>1</sup> / <sub>4</sub>	17 <sup>7</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>2</sub>

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

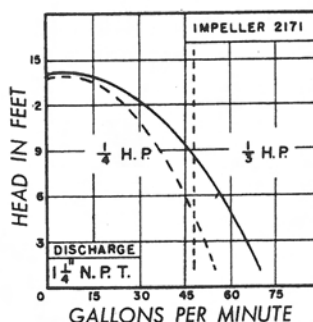
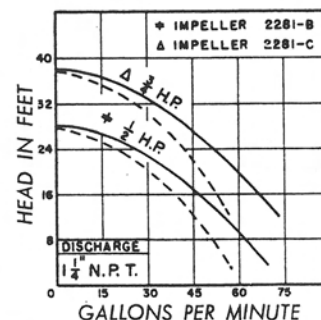


**GUSHER® 11022****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11022 X-Long, Long or Short.
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

**1725 R.P.M.****3450 R.P.M.**

Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72° F.

Broken Line - - - - 200 SSU Oil, 100° F.

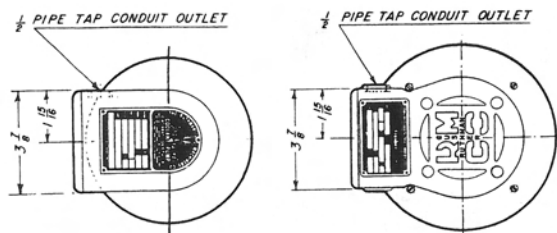
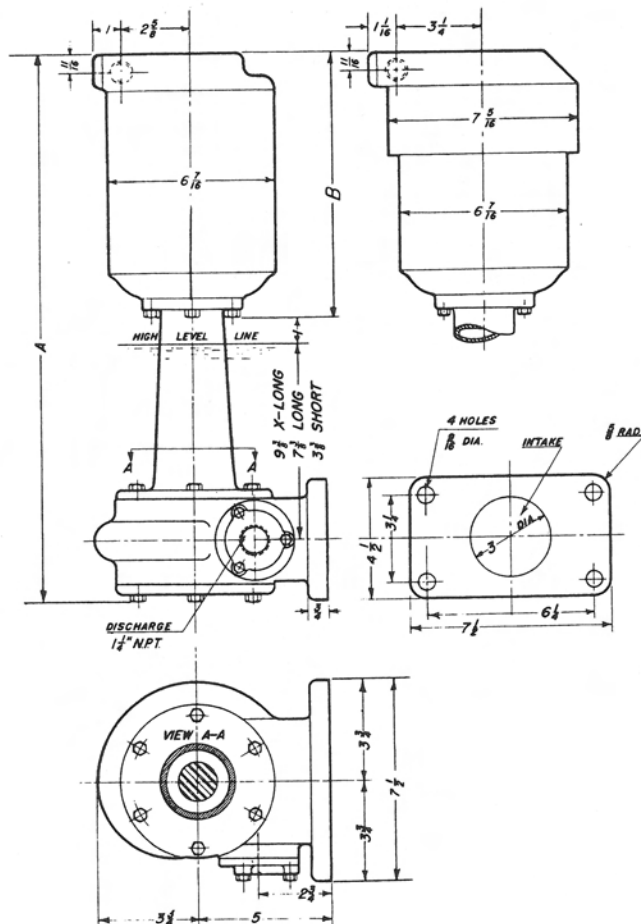
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

TO REVERSE DISCHARGE LOCATION SEE PAGE 178

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	22	20	16	9 <sup>3</sup> / <sub>8</sub>
1/4	115/230	1	60	1725	56 TENV	20 <sup>3</sup> / <sub>8</sub>	18 <sup>3</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>
1/3	230/460	3	60	1725	56 TENV	22	20	16	9 <sup>3</sup> / <sub>8</sub>
1/3	115/230	1	60	1725	56 TENV	23 <sup>3</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>8</sub>	17 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>4</sub>
1/2	230/460	3	60	3450	56 TENV	22 <sup>9</sup> / <sub>16</sub>	20 <sup>9</sup> / <sub>16</sub>	16 <sup>9</sup> / <sub>16</sub>	9 <sup>15</sup> / <sub>16</sub>
1/2	115/230	1	60	3450	56 TENV	24 <sup>1</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>2</sub>
3/4	230/460	3	60	3450	56 TEFC	22 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	16 <sup>1</sup> / <sub>2</sub>	9 <sup>7</sup> / <sub>8</sub>
3/4	115/230	1	60	3450	56 TEFC	24 <sup>1</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>2</sub>

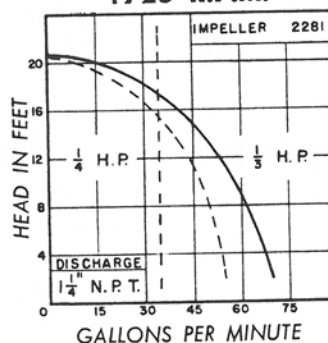
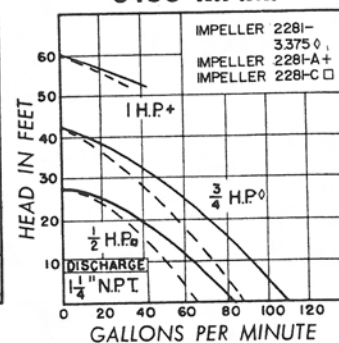
A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

**GUSHER® 11022-C****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**TOTALLY ENCLOSED  
NON VENTILATEDTOTALLY ENCLOSED  
FAN COOLED**WHEN ORDERING SPECIFY**

- Model 11022-C X-Long, Long or Short.
- Impeller 2281, 2281-A or 2281-C
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

**1725 R.P.M.****3450 R.P.M.**

Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72° F.

Broken Line - - - - - 200 SSU Oil, 100° F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

TO REVERSE DISCHARGE LOCATION SEE PAGE 178

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/4	230/460	3	60	1725	56 TENV	22	20	16	9 <sup>3</sup> / <sub>8</sub>
1/4	115/230	1	60	1725	56 TENV	20 <sup>3</sup> / <sub>8</sub>	18 <sup>3</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>8</sub>
1/3	230/460	3	60	1725	56 TENV	22	20	16	9 <sup>3</sup> / <sub>8</sub>
1/3	115/230	1	60	1725	56 TENV	23 <sup>3</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>8</sub>	17 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>
1/2	230/460	3	60	3450	56 TENV	22 <sup>1</sup> / <sub>8</sub>	20 <sup>1</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>
1/2	115/230	1	60	3450	56 TENV	23 <sup>3</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>8</sub>	17 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>
3/4	230/460	3	60	3450	56 TEFC	22 <sup>1</sup> / <sub>2</sub>	20 <sup>1</sup> / <sub>2</sub>	16 <sup>1</sup> / <sub>2</sub>	9 <sup>7</sup> / <sub>8</sub>
3/4	115/230	1	60	3450	56 TEFC	24 <sup>1</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>2</sub>
1	230/460	3	60	3450	56 TEFC	24 <sup>1</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>2</sub>

A & B dimensions vary slightly with motor manufacturers.

Supplied With Plastic Impeller Standard.  
Cast Iron Available Upon Request.

# MODEL GUSHER® 3-P3 MINI

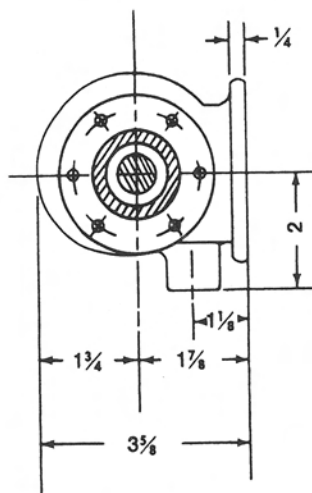
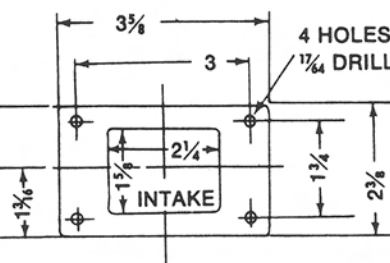
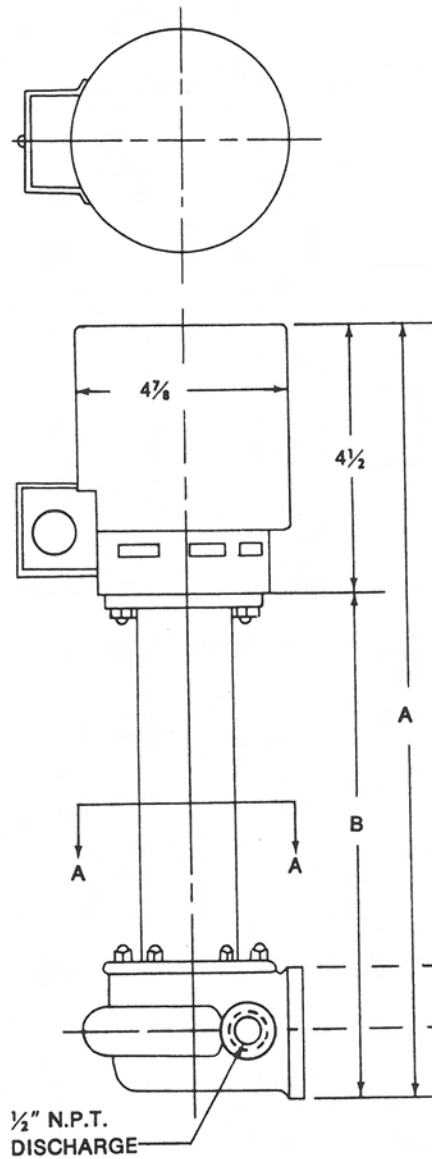
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

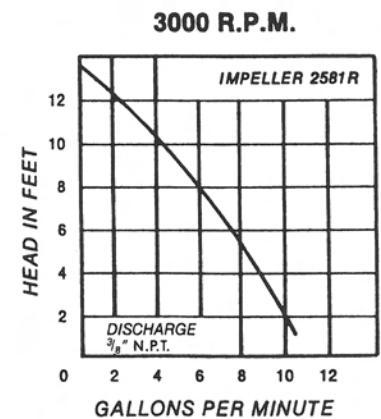
- Model 3-P3 MINI
  - Motor Horse Power and Current Characteristics
- Plastic Impeller Only.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	A			B		
					X-LONG	LONG	SHORT	X-LONG	LONG	SHORT
1/25	115	1	60	3000	14½	13½	11½	10	9	7
1/25	230	1	60	3000	14½	13½	11½	10	9	7



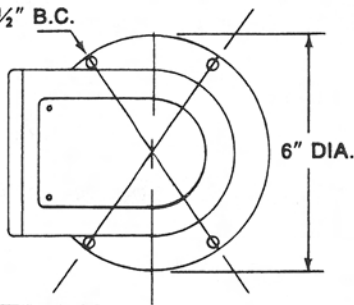
VIEW A-A



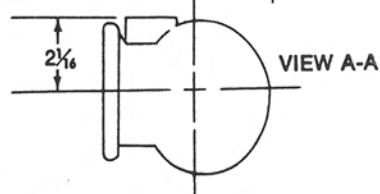
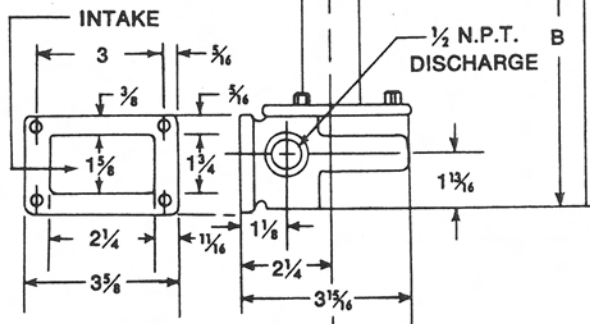
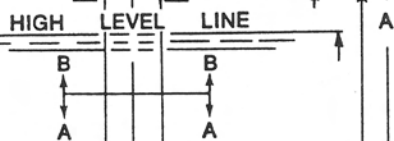
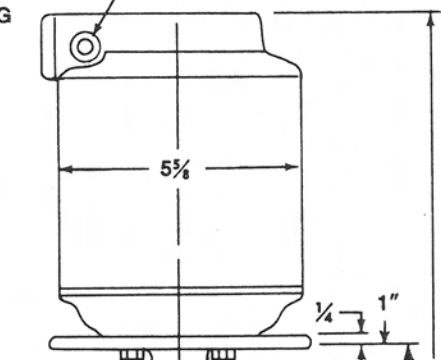
Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72°F.

(4) THRU HOLES  
 $\frac{1}{2}$ " DRILL.  $5\frac{1}{2}$ " B.C.

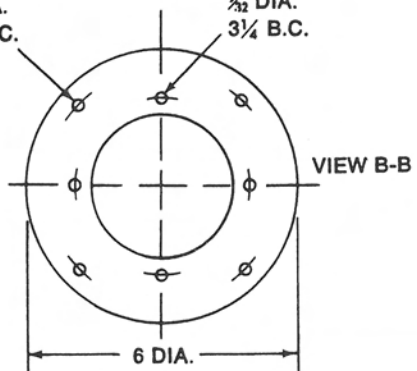


$\frac{1}{2}$ " N.P.T.  
 CONDUIT  
 OPENING



4 HOLES  
 $\frac{1}{2}$ " DIA.  
 $5\frac{1}{2}$ " B.C.

4 HOLES  
 $\frac{1}{2}$ " DIA.  
 $3\frac{1}{4}$ " B.C.



EQUIPPED WITH INTEGRAL MOUNTING FLANGE

# GUSHER<sup>®</sup> MODEL FH $\frac{1}{2}$ .166 + 4 AND FH $\frac{1}{2}$ .166

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

### WHEN ORDERING SPECIFY

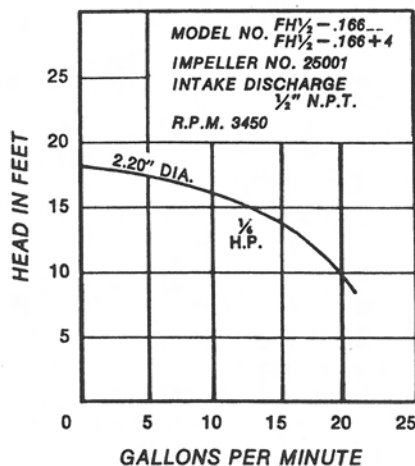
- Model FH  $\frac{1}{2}$  .166 or FH  $\frac{1}{2}$  .166 + 4
- Motor Horse Power and Current Characteristics

Supplied With Plastic Impeller Standard.  
 Cast Iron Available Upon Request.

### Dimensions in inches

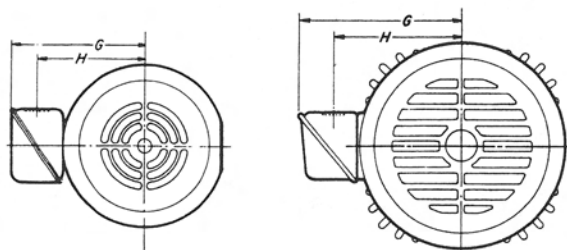
MODEL	A	B	H.P.	R.P.M.
FH $\frac{1}{2}$ - .166	17 $\frac{5}{8}$	10 $\frac{1}{2}$	$\frac{1}{8}$	3450
FH $\frac{1}{2}$ + 4 - .166	21 $\frac{5}{8}$	14 $\frac{1}{2}$	$\frac{1}{8}$	3450

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME
$\frac{1}{8}$	230/460	3	60	3450	48
$\frac{1}{8}$	115/230	1	60	3450	TENV.



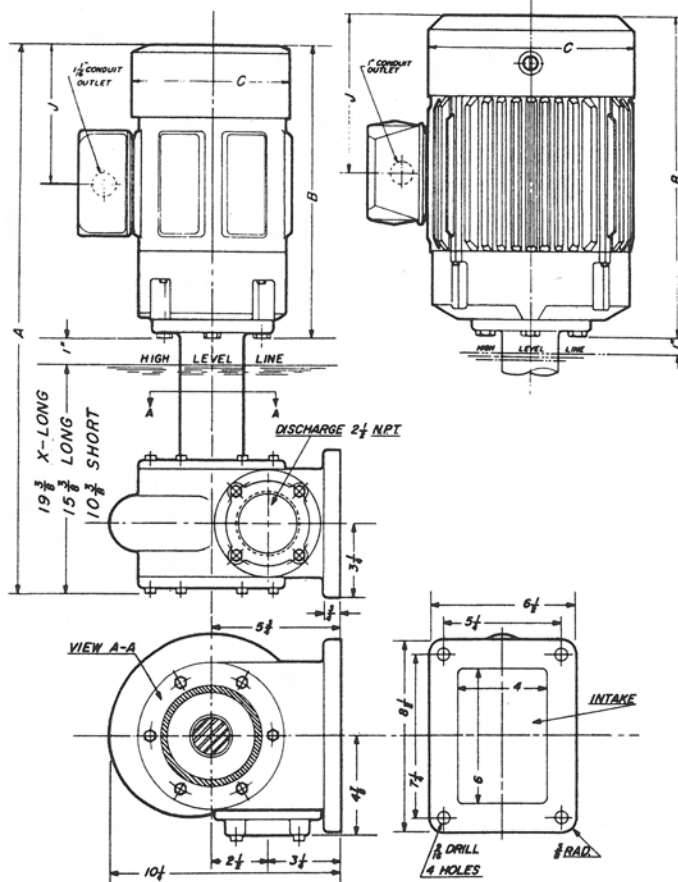
Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72°F.

**GUSHER® 11024****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**

143T &amp; 145T FRAME

182T, 184T &amp; 213T FRAME



TO REVERSE DISCHARGE LOCATION SEE PAGE 178

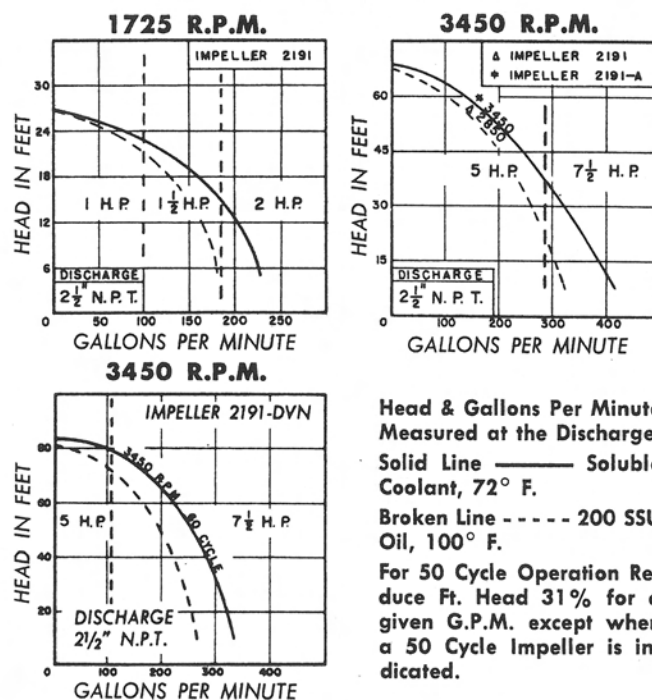
5 & 7½ H.P. — If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2191; Motor must be wound specifically for 50 cycle.

**WHEN ORDERING SPECIFY**

- Model 11024 X-Long, Long or Short.
- Impeller 2191, 2191-A or 2191-D.
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current Characteristics.

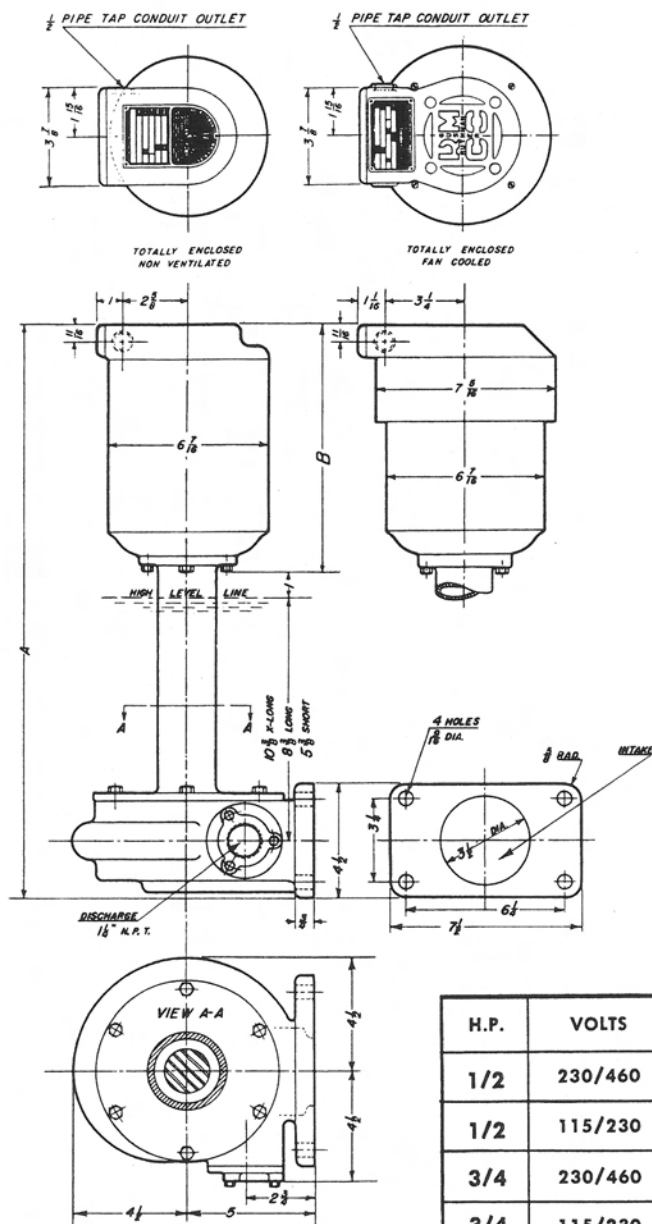
**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	145T TEFC	31¼	27¼	22¼	11¾	7¾	5¾	4¾	6¼
1½	230/460	3	60	1725	145T TEFC	31¼	27¼	22¼	11¾	7¾	5¾	4¾	6¼
2	230/460	3	60	1725	145T TEFC	32¼	28¼	23¼	12¾	7¾	5¾	4¾	6¼
5	230/460	3	60	3450	145T TEFC	34¾	30¾	25¾	14½	7¾	5¾	4¾	6¼
7½	230/460	3	60	3450	213T TEFC	34¾	32¾	27¾	16	10¾	9¾	7¾	8¾

A & B dimensions vary slightly with motor manufacturers.

**GUSHER® 11022-E****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11022-E X-Long, Long or Short
- Impeller 2292-A, 2292, 2292-J or 2292-G.
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

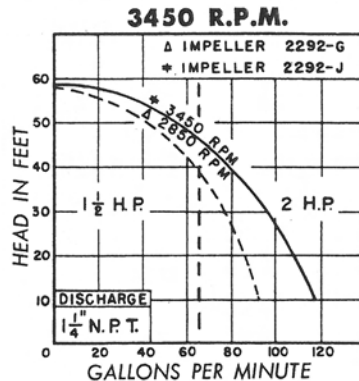
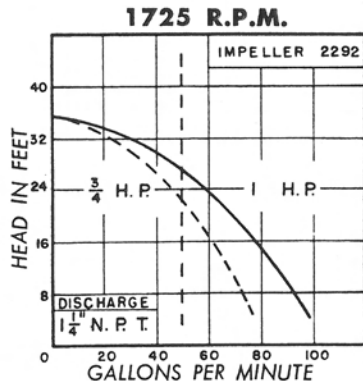
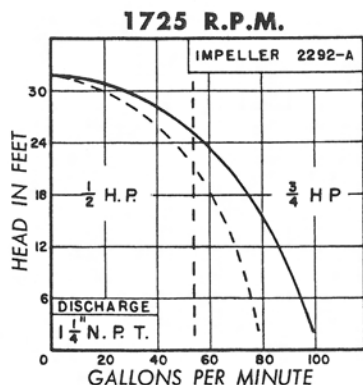
Other current characteristics available.

1½ - 2 H.P. — If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2292-G. Motor must be wound specifically for 50 cycle.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/2	230/460	3	60	1725	56 TENV	23	20	17	9 7/8
1/2	115/230	1	60	1725	56 TEFC	24 3/8	21 1/8	18 3/8	10 3/4
3/4	230/460	3	60	1725	56 TENV	24 3/8	21 1/8	18 3/8	10 3/4
3/4	115/230	1	60	1725	56 TEFC	24 7/8	21 1/8	18 3/8	10 5/8
1	230/460	3	60	1725	56 TEFC	25	22	19	11 1/8
1 1/2	230/460	3	60	3450	56 TEFC	25	22	19	11 1/8
2	230/460	3	60	3450	56 TEFC	26	23	21	12 3/8

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



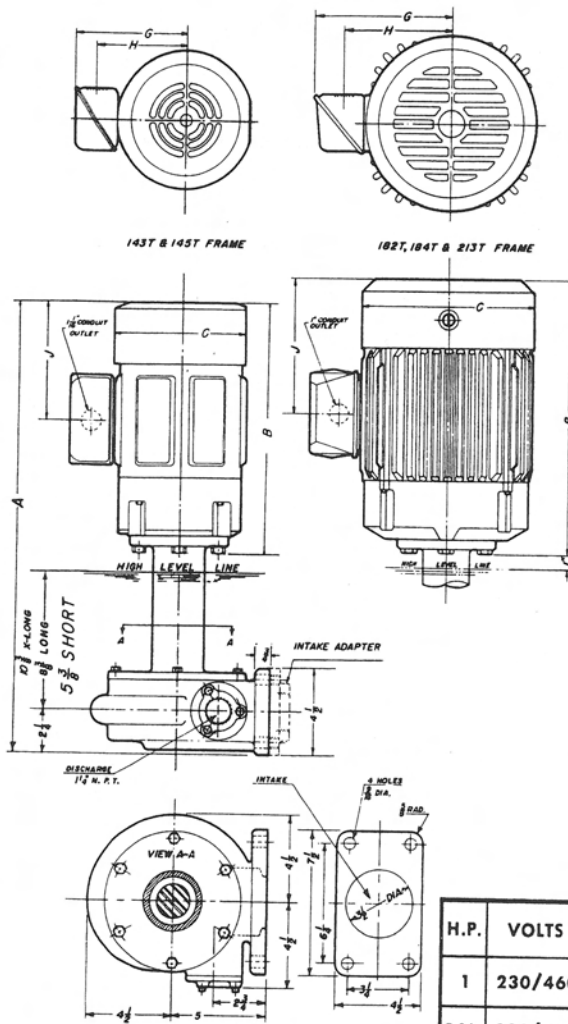
Head & Gallons Per Minute Measured at the Discharge.

**Solid Line** — Soluble Coolant, 72°F.

**Broken Line** — 200 SSU Oil, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given GPM except when a 50 Cycle Impeller is indicated.



**GUSHER® 11022-E****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11022-E X-Long, Long or Short.
- Impeller 2292-G, 2292-J, 2292-C, 2292-H or 2292.
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.

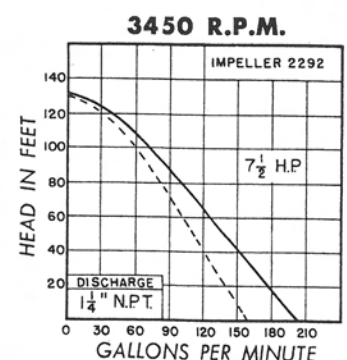
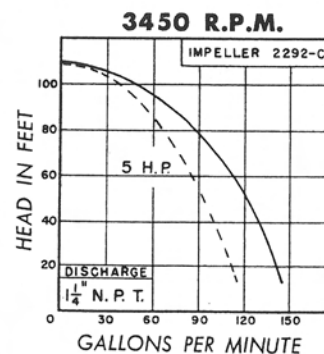
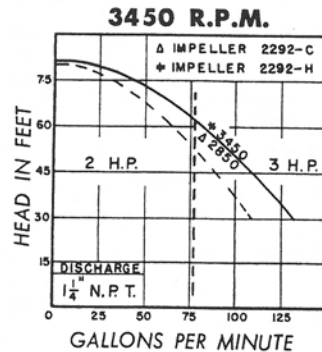
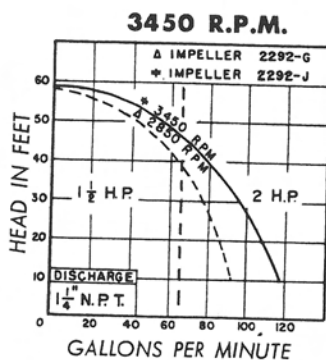
1½ and 2 H.P. — If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2292-G. Motor must be wound specifically for 50 cycle.

2 and 3 H.P. — If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2292-C. Motor must be wound specifically for 50 cycle.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
1	230/460	3	60	1725	145T TEFC	25	22	19	11⅞	7⅝	5¾	4⅞	6¼
1½	230/460	3	60	3450	145T TEFC	25	22	19	11⅞	7⅝	5¾	4⅞	6¼
2	230/460	3	60	3450	145T TEFC	26	23	20	12⅞	7⅝	5¾	4⅞	6¼
3	230/460	3	60	3450	145T TEFC	27⅞	24⅞	21⅞	13¾	7⅝	5¾	4⅞	6¼
5	230/460	3	60	3450	145T TEFC	28⅞	25⅞	22⅞	14½	7⅝	5¾	4⅞	6¼
7½	230/460	3	60	3450	213T TEFC	29⅞	26⅞	23⅞	16	10⅞	9⅞	7⅞	8⅞

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

**SOLID LINE** — Soluble Coolant, 72°F.

**BROKEN LINE - - - - -** 200 SSU OIL, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

# GUSHER® 11023-B

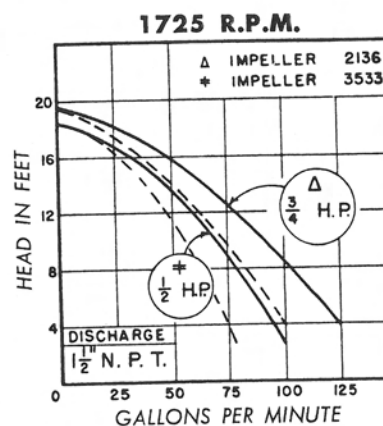
## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP

## WHEN ORDERING SPECIFY

- Model 11023-B X-Long, Long or Short.
- Impeller 3533 or 2136.
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current  
Characteristics.

**NOTE: 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.**

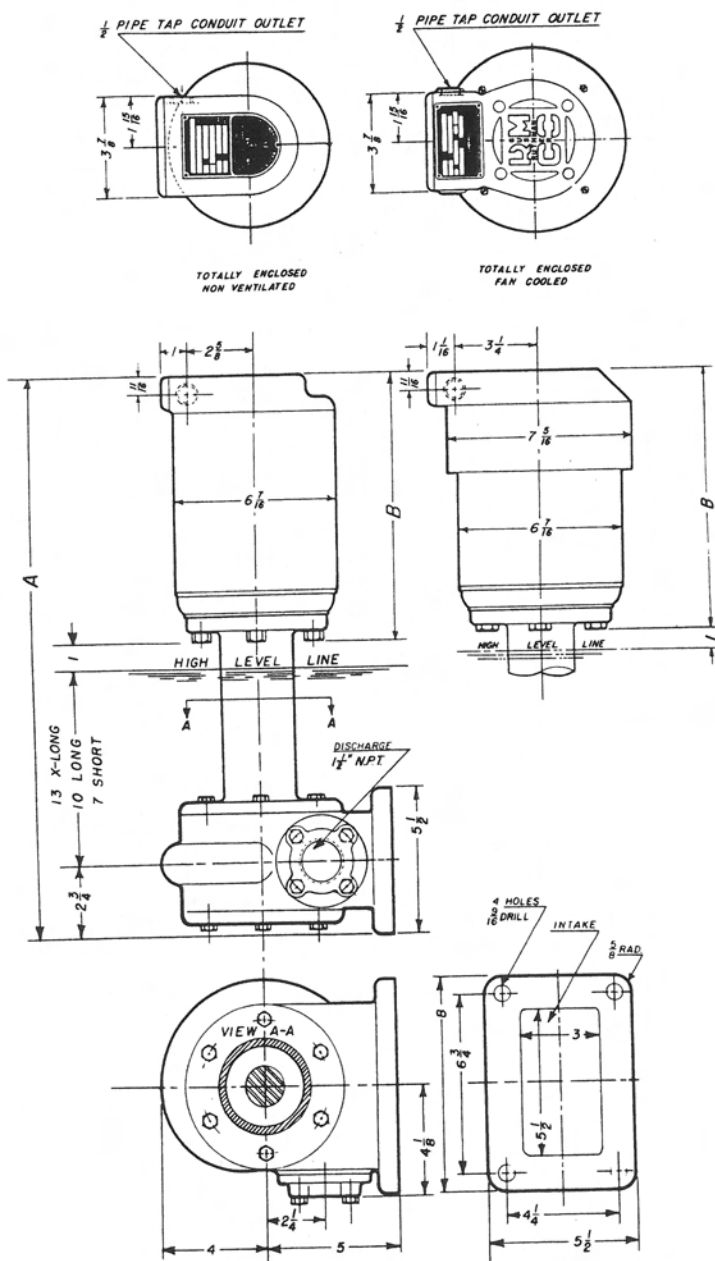
**Other current characteristics available.**



Head & Gallons Per Minute Measured at the Discharge.  
Solid Line ————— Soluble Coolant, 72° F.

Broken Line - - - - - 200 SSU Oil, 100° F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

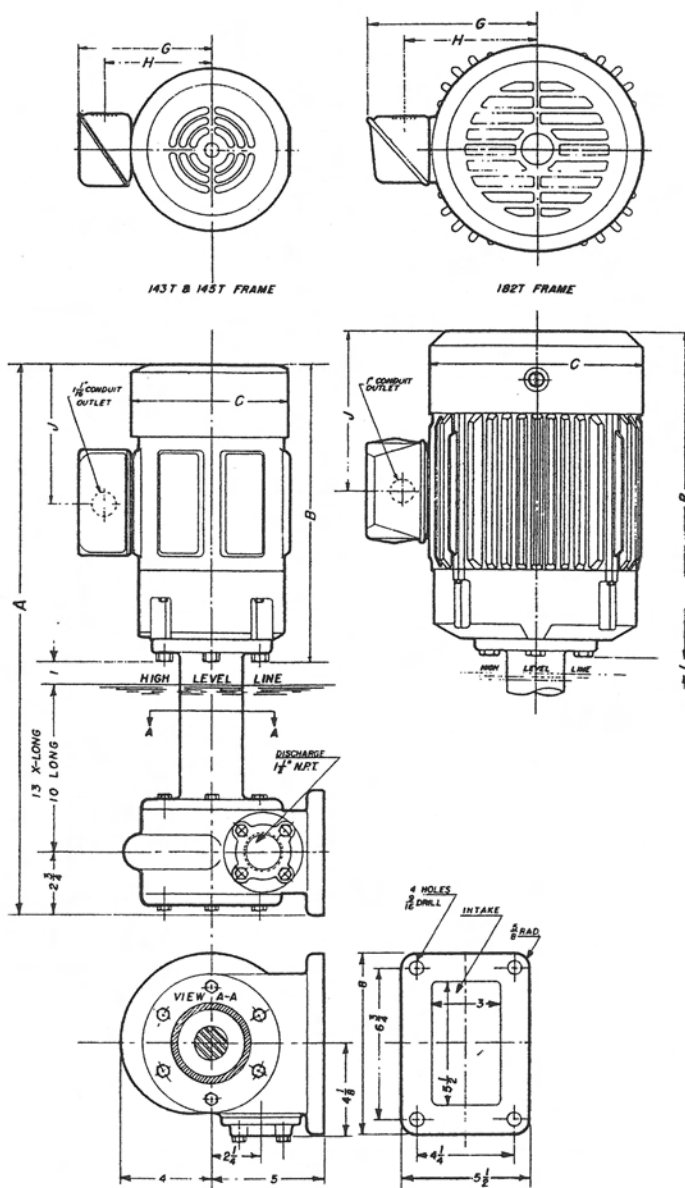


TO REVERSE DISCHARGE LOCATION SEE PAGE 178

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B
						X-LONG	LONG	SHORT	
1/2	230/460	3	60	1725	56 TENV	26%	23%	20%	9%
1/2	115/230	1	60	1725	56 TEFC	27½	24½	21½	10%
3/4	230/460	3	60	1725	56 TENV	27½	24½	21½	10%
3/4	115/230	1	60	1725	56 TEFC	27½	24½	21½	10%

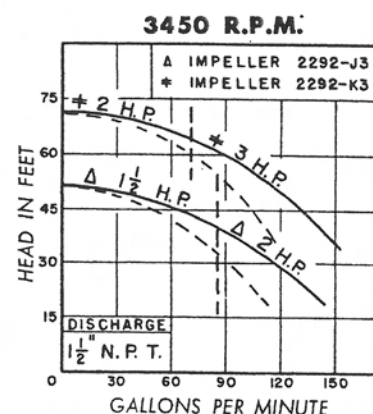
**A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS**

**GUSHER® 11023-B****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 11023-B X-Long or Long.
- Impeller 2292-J3 or 2292-K3.
- Right Hand Discharge (Shown)  
Left Hand Discharge (Opposite)
- Motor Horse Power and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

Other current characteristics available.



Head & Gallons Per Minute Measured at the Discharge.

Solid Line — Soluble Coolant, 72° F.

Broken Line - - - - - 200 SSU Oil, 100° F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

TO REVERSE DISCHARGE LOCATION SEE PAGE 178

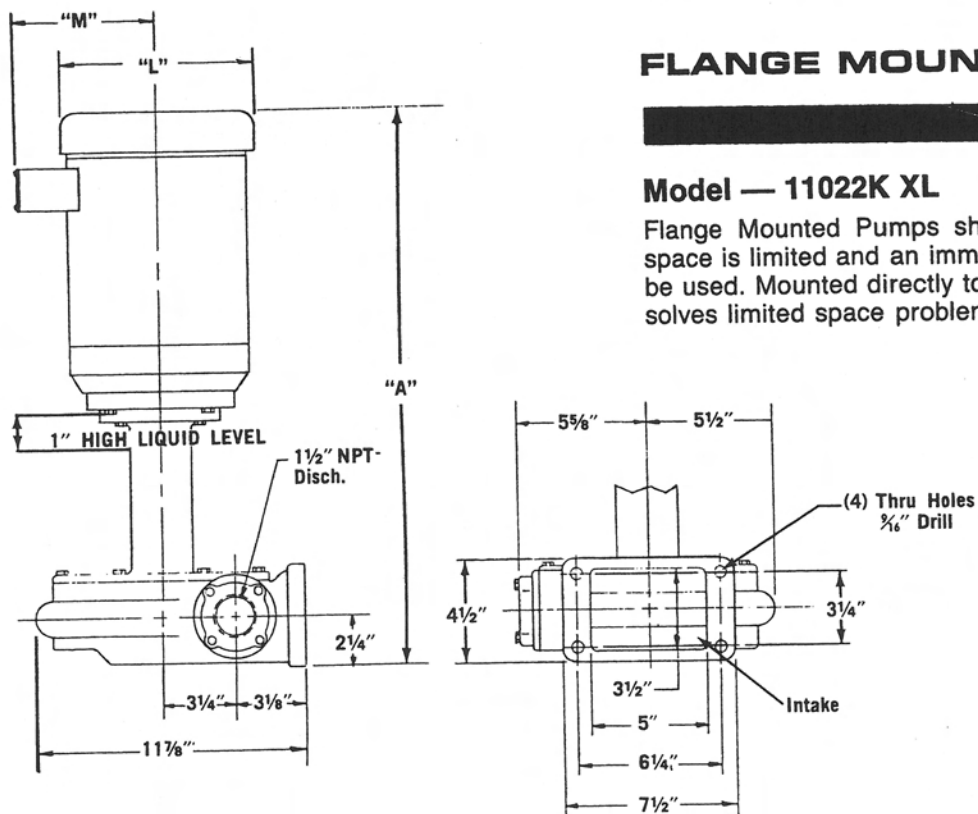
**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B	C	G	H	J
						X-LONG	LONG					
1 1/2	230/460	3	60	3450	145T TEFC	28 1/2	25 1/8	11 1/8	7 1/16	5 3/4	4 1/16	6 1/4
2	230/460	3	60	3450	145T TEFC	29 1/8	26 1/8	12 3/8	7 3/16	5 3/4	4 1/16	6 1/4
3	230/460	3	60	3450	145T TEFC	30 1/2	27 1/2	13 1/4	7 7/16	5 3/4	4 1/16	6 1/4

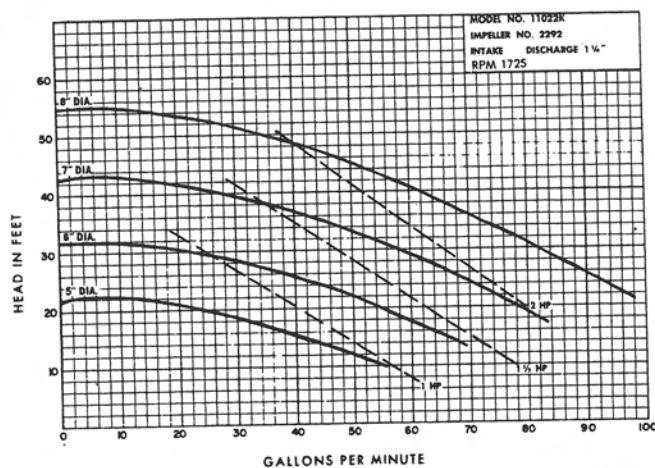
A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

**GUSHER® 11022KXL****FLANGE MOUNTED PUMPS****Model — 11022K XL**

Flange Mounted Pumps should be selected when space is limited and an immersed type pump cannot be used. Mounted directly to the outside of reservoir solves limited space problems.

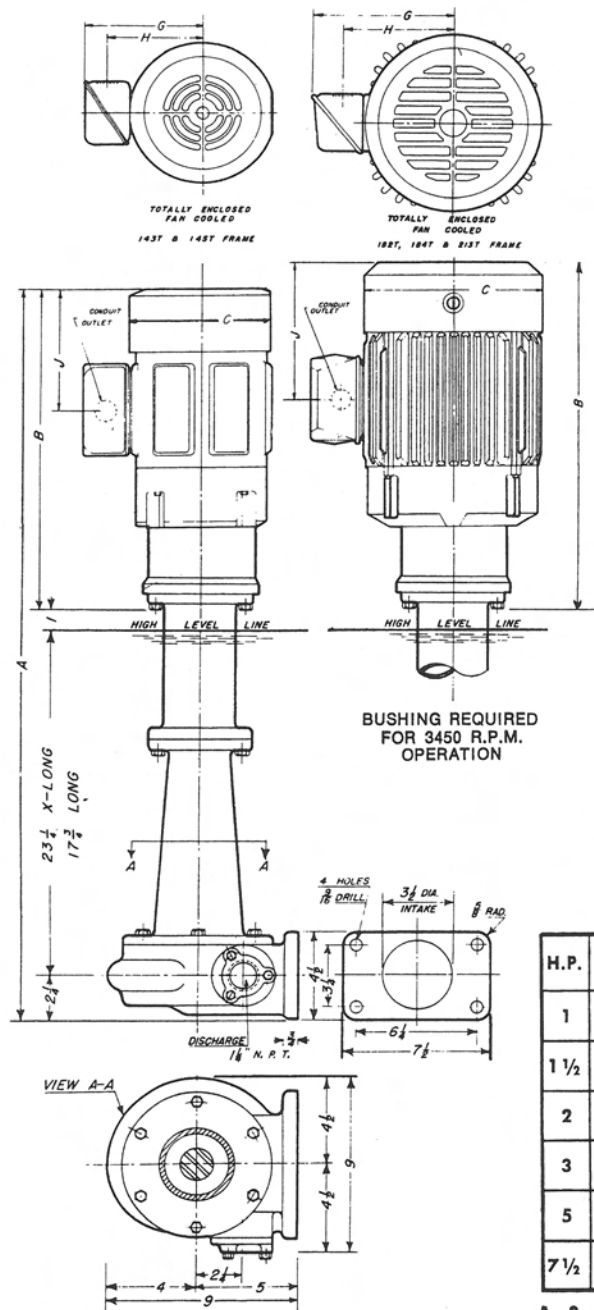
**Dimensions in Inches**

HP	Frame Size	A	L	M
1	56C	25 $\frac{3}{4}$	7 $\frac{3}{16}$	5 $\frac{1}{4}$
2	145TC	26 $\frac{11}{16}$	7 $\frac{3}{16}$	5 $\frac{1}{4}$
3	182TC	28 $\frac{3}{16}$	8 $\frac{1}{2}$	5 $\frac{7}{8}$



# GUSHER® 2E-18

## MOTOR DRIVEN MACHINE TOOL & INDUSTRIAL COOLANT PUMP



### WHEN ORDERING SPECIFY

- Model 2E-18 X-Long or Long.
- Impeller 2292-C, 2292-H or 2292.
- Right Hand Discharge (Shown).  
Left Hand Discharge (Opposite).
- Motor Horsepower and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/380 volts 50 cycle — 550 volts 50/60 cycle same dimensions as 230/460 volts 60 cycle. Except single phase.

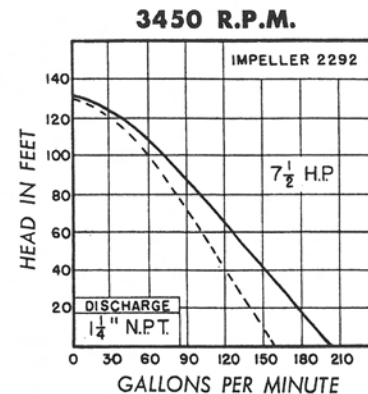
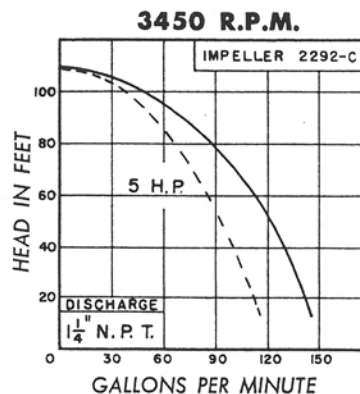
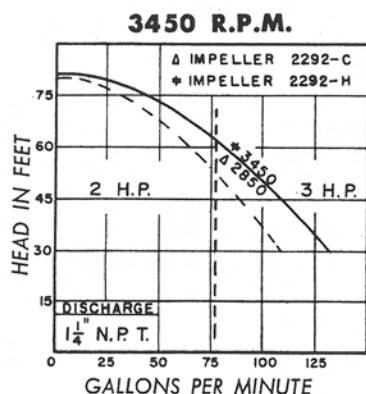
Other current characteristics available.

2 and 3 H.P. — If 60 cycle performance is desired for 50 cycle operation specify impeller (#) 2292-C; Motor must be wound specifically for 50 cycle.

### DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B	C	G	H	J
						X-LONG	LONG					
1	230/460	3	60	1725	145T TEFC	42½	36¾	15¾	7½	5¾	4¾	6¼
1½	230/460	3	60	3450	145T TEFC	42½	36¾	15¾	7½	5¾	4¾	6¼
2	230/460	3	60	3450	145T TEFC	43½	37¾	16¾	7½	5¾	4¾	6¼
3	230/460	3	60	3450	145T TEFC	44	38½	17½	7½	5¾	4¾	6¼
5	230/460	3	60	3450	145T TEFC	45¼	39¾	18¾	7½	5¾	4¾	6¼
7½	230/460	3	60	3450	213T TEFC	46¾	41¼	20¼	10¾	9½	7½	8½

A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS



HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE

SOLID LINE — Soluble Coolant, 72°F.

BROKEN LINE - - - - 200 SSU OIL, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

**GUSHER® 2E-18****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP****WHEN ORDERING SPECIFY**

- Model 2E-18 X-Long or Long.
- Impeller 2292-A, 2292, 2292-G or 2292-J.
- Right Hand Discharge (Shown).  
Left Hand Discharge (Opposite).
- Motor Horsepower and Current Characteristics.

**NOTE:** 208/220/440 volts 50/60 cycle — 220/  
380 volts 50 cycle — 550 volts 50/60 cycle  
same dimensions as 230/460 volts 60 cycle. Ex-  
cept single phase.

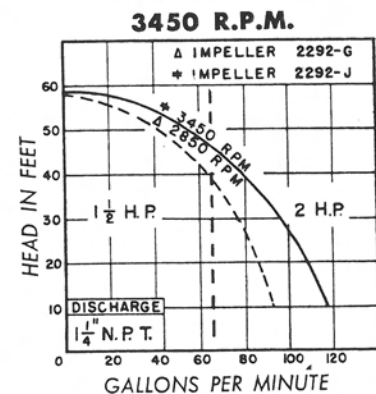
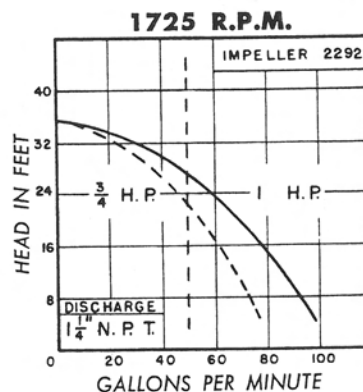
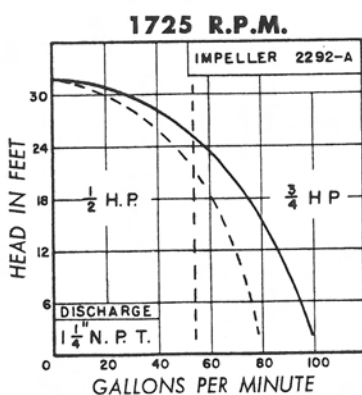
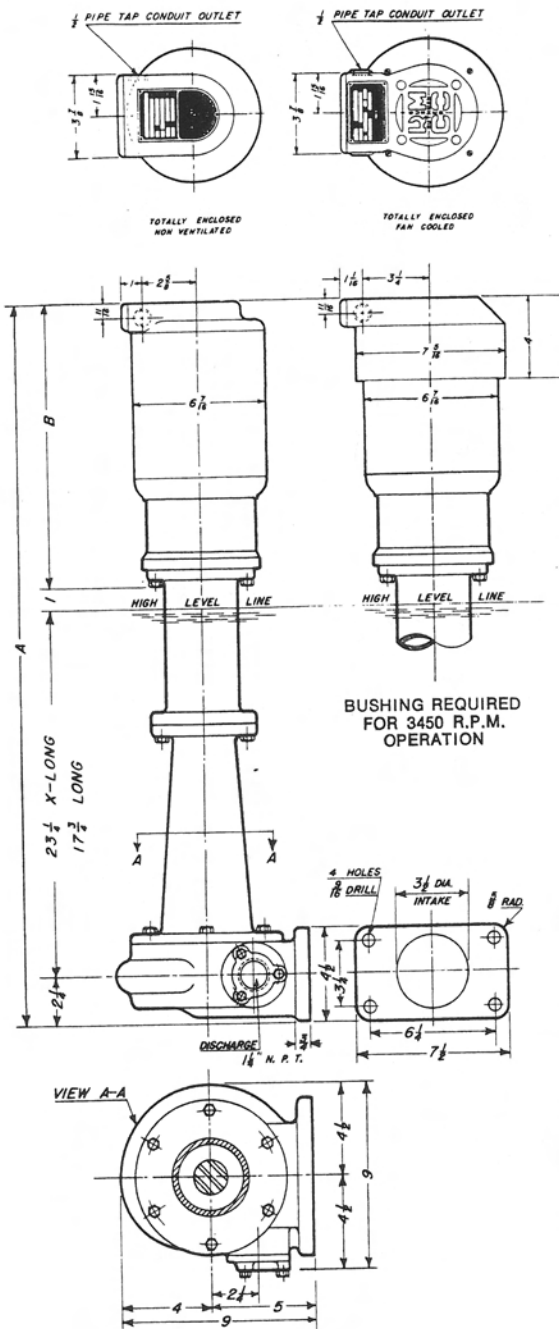
Other current characteristics available.

1½ and 2 H.P. — If 60 cycle performance is desired for 50 cycle  
operation specify impeller (#) 2292-G; Motor must be wound spe-  
cifically for 50 cycle.

**DIMENSIONS IN INCHES**

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A		B
						X-LONG	LONG	
1/2	230/460	3	60	1725	56 TENV	42½	36¾	16
1/2	115/230	1	60	1725	56 TEFC	42¼	36½	15¾
3/4	230/460	3	60	1725	56 TENV	42½	36¾	16
3/4	115/230	1	60	1725	56 TEFC	42½	36¾	15¾
1	230/460	3	60	1725	56 TEFC	42¾	36%	15%
1½	230/460	3	60	3450	56 TEFC	42¾	36%	15%
2	230/460	3	60	3450	56 TEFC	43%	37%	16%

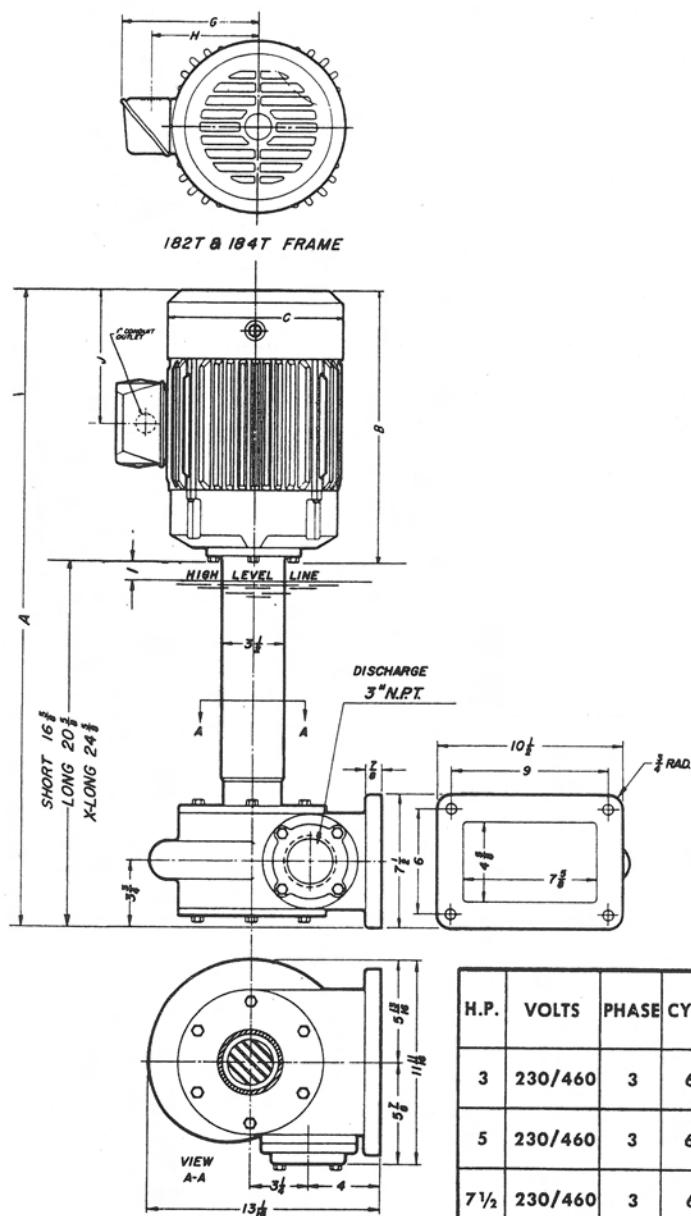
A & B DIMENSIONS VARY SLIGHTLY WITH MOTOR MANUFACTURERS

**HEAD & GALLONS PER MINUTE MEASURED AT THE DISCHARGE**

**SOLID LINE** ————— Soluble Coolant, 72°F.      **BROKEN LINE** - - - - - 200 SSU OIL, 100°F.

For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

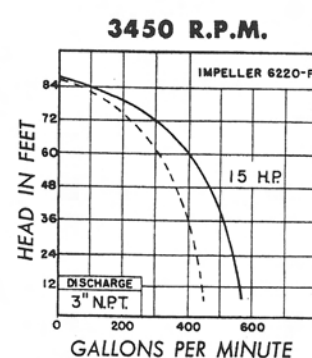
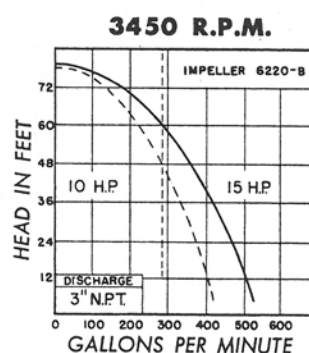
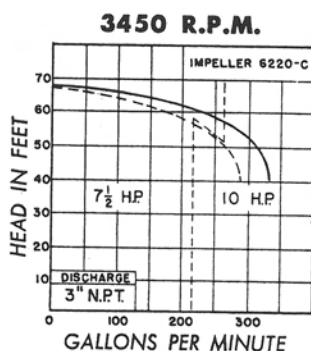
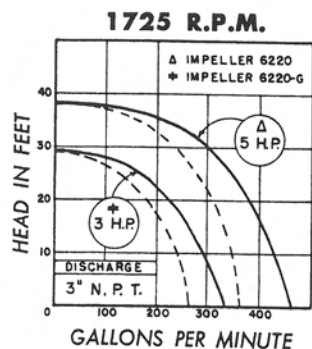


**GUSHER® 11030****MOTOR DRIVEN MACHINE TOOL  
& INDUSTRIAL COOLANT PUMP**

DIMENSIONS IN INCHES

H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	A			B	C	G	H	J
						X-LONG	LONG	SHORT					
3	230/460	3	60	1725	145T TEFC	30 1/4	26 1/4	22 1/4	13 1/2	7 3/4	5 3/4	4 1/4	6 1/4
5	230/460	3	60	1725	184T TEFC	31	27	23	14 3/8	9 3/8	7 1/4	5 3/4	7 3/8
7 1/2	230/460	3	60	3450	213T TEFC	32 5/8	28 5/8	24 5/8	16	10 7/8	9 1/8	7 1/8	8 1/8
10	230/460	3	60	3450	215T TEFC	33 1/4	29 1/4	25 1/4	16 1/2	10 7/8	9 1/8	7 1/8	8 7/8
15	230/460	3	60	3450	254T-C TEFC	34 1/4	30 1/4	26 1/4	17 1/2	13	10 1/8	8 1/8	10 3/8

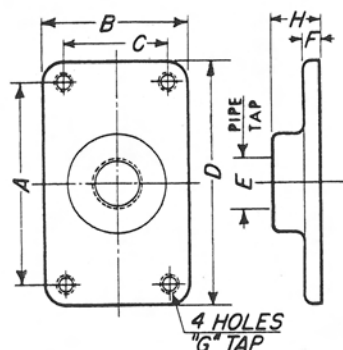
A &amp; B dimensions vary slightly with motor manufacturers.



**SOLID LINE** ——— Soluble Coolant, 72°F. **BROKEN LINE** - - - - 200 SSU OIL, 100°F.  
For 50 Cycle Operation Reduce Ft. Head 31% for a given G.P.M. except when a 50 Cycle Impeller is indicated.

FOR CONVERSION OF FLANGE MOUNTED EXTERNAL DISCHARGE TYPE TO PIPE INLET TYPE, THE FOLLOWING PIPE ADAPTERS ARE AVAILABLE.

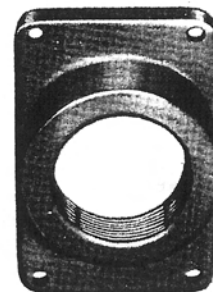
# PIPE ADAPTERS



ALL DIMENSIONS IN INCHES

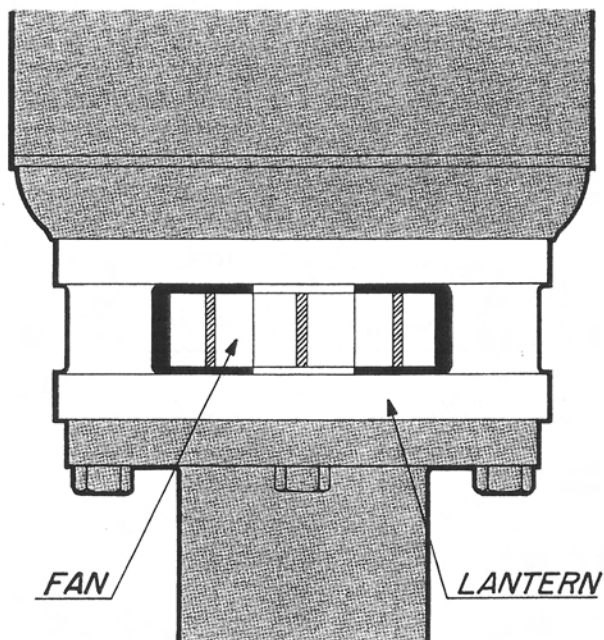
INTAKE ADAPTER DRAWING NO.	A	B	C	D	E	F	G	H
2319	3	2 $\frac{3}{8}$	1 $\frac{3}{4}$	3 $\frac{5}{8}$	1 $\frac{1}{4}$	$\frac{3}{16}$	$\frac{1}{4}$ -20	1 $\frac{1}{4}$
2328	6 $\frac{1}{4}$	4 $\frac{1}{2}$	3 $\frac{1}{4}$	7 $\frac{1}{2}$	1 $\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$ -13	1
2328-2	6 $\frac{1}{4}$	4 $\frac{1}{2}$	3 $\frac{1}{4}$	7 $\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$ -13	1
2399	6 $\frac{3}{4}$	5 $\frac{1}{2}$	4 $\frac{1}{4}$	8	2 $\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2}$ -13	1 $\frac{1}{4}$
2108	7 $\frac{1}{4}$	6 $\frac{1}{2}$	5 $\frac{1}{4}$	8 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ -13	1 $\frac{1}{4}$

When a pipe adapter is required, a lip seal is recommended to reduce the possibility of cavitation.

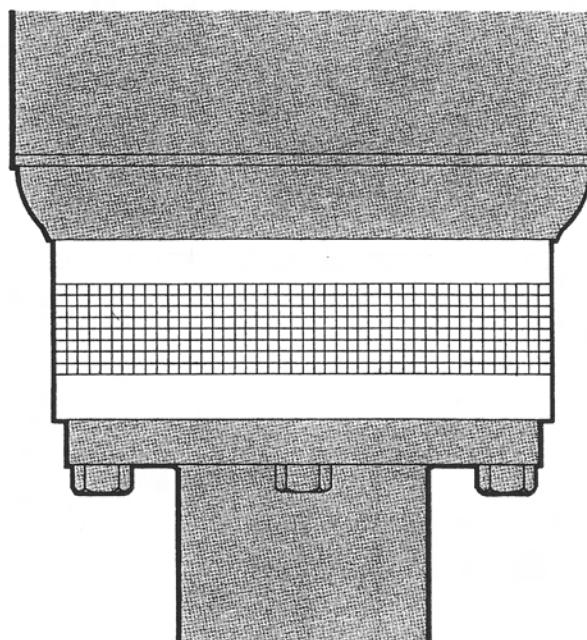


# COOLING FAN

If the liquid the pump is operating in exceeds 200°F. a cooling fan is required. This fan will afford continuous protection for the pump from 200°F. to a maximum of 700°F., however it must be removed from the liquid when not in operation. The standard installation of the fan is shown below. It is available for all models and may be ordered by adding the suffix "F" to the pump model number. (i.e. = 11022F Long)



VIEW OF FAN & LANTERN  
WITHOUT GUARD



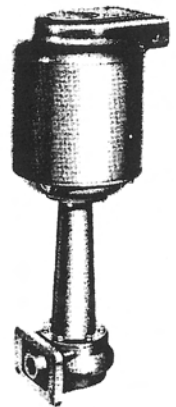
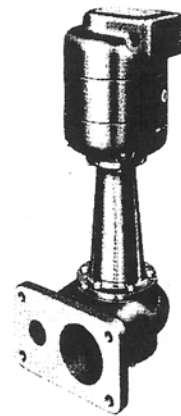
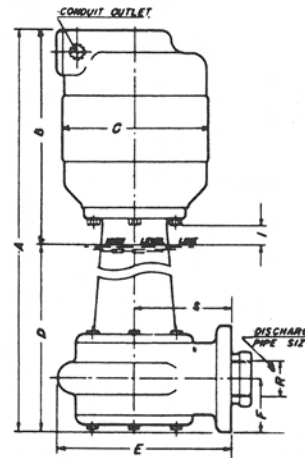
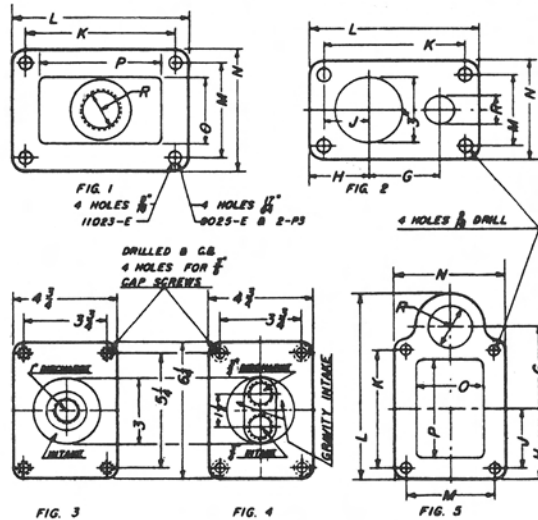
VIEW OF FAN & LANTERN  
WITH GUARD  
(GUARD IS STANDARD)

Note: When a fan is installed in a pump, the overall length is increased by 2".

Internal discharge pumps are recommended when external piping is not feasible.

They are mounted by drilling and tapping four (4) holes in the machine reservoir with an opening that coincides with the opening in the impeller housing. Model 11020-B has a twin intake-discharge pipe connection in addition to the gravity intake. The

pipied intake provides a rapid return of coolant under positive suction, while the gravity intake insures prime. On Models 11020 and 11027, the discharge ports may be either left or right of the intake ports. When ordering, please specify which is desired, also state whether X-Long, Long or Short, Motor Horsepower and current characteristics.



Model 11020

Model 2-P3

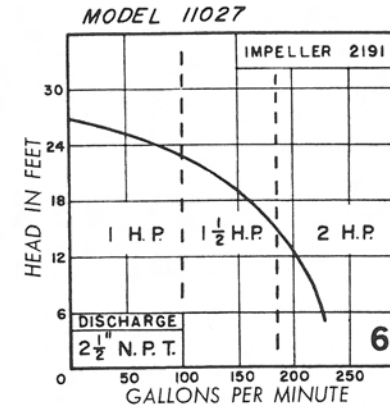
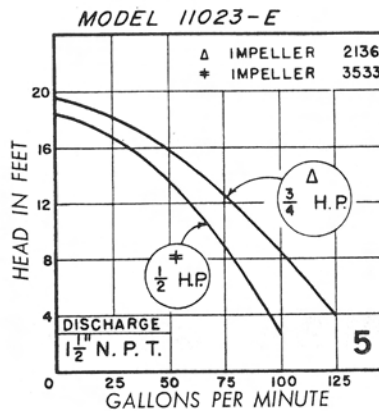
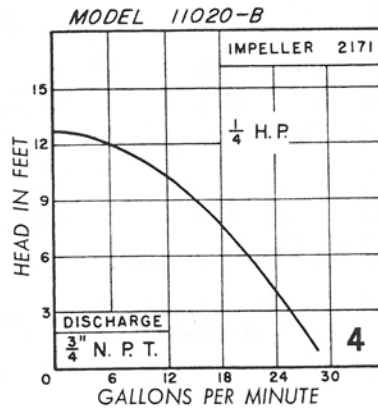
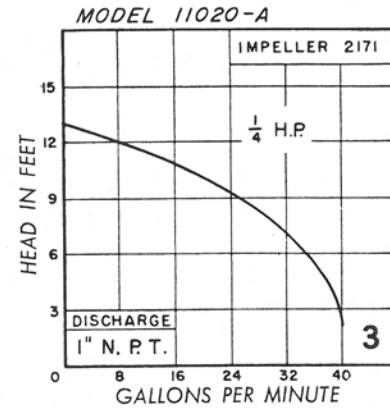
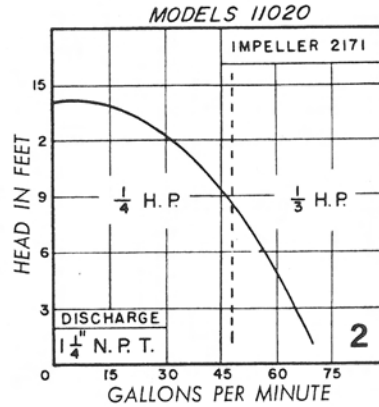
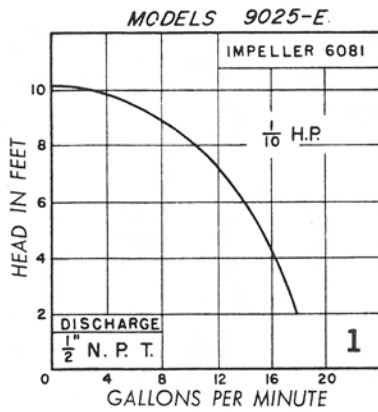
FOR PERFORMANCE CURVES SEE 138

## FLANGE MOUNTED INTERNAL DISCHARGE

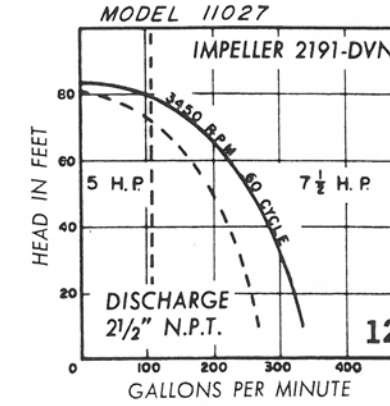
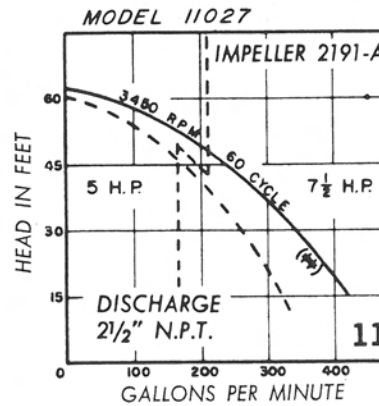
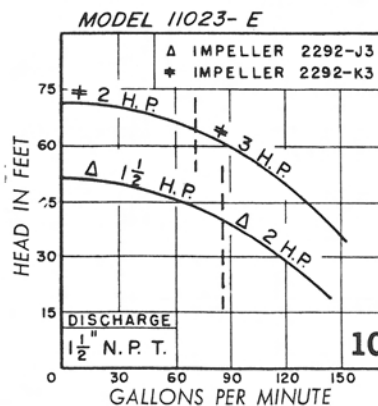
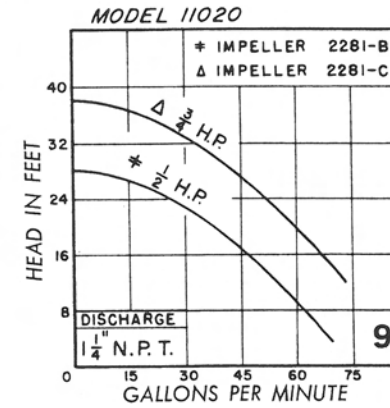
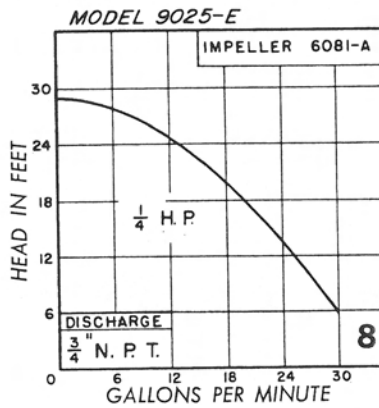
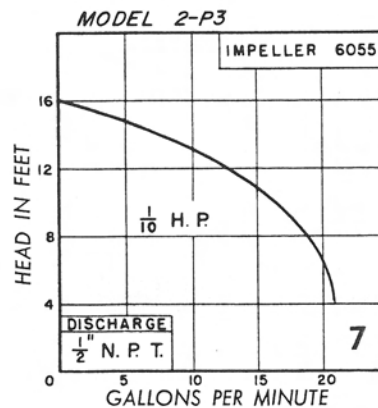
1725 R.P.M. — 60 CYCLE																									
FIG. NO.	MODEL	H.P.	A			B	C	D			E	F	G	H	J	K	L	M	N	O	P	R	S	CURVE NO.	
			X-LONG	LONG	SHORT			X-LONG	LONG	SHORT															
1	9025-E	1/10	20 <sup>11</sup> / <sub>16</sub>	16 <sup>7</sup> / <sub>16</sub>	14 <sup>7</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	11 <sup>11</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	4 <sup>23</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>8</sub>	.....	.....	.....	3	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>16</sub>	1	
2	11020	1/4	21 <sup>1</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>8</sub>	12 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	2	6 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	3 DIA.	1 <sup>1</sup> / <sub>4</sub>	5		2	
2	11020	1/2	23 <sup>3</sup> / <sub>8</sub>	21 <sup>1</sup> / <sub>2</sub>	17 <sup>1</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>8</sub>	12 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	2	6 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	3 DIA.	1 <sup>1</sup> / <sub>4</sub>	5		2	
3	11020-A	1/4	22	20	16	8 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	.....	.....	.....	3 <sup>3</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>4</sub>	3 DIA.	1	3 <sup>1</sup> / <sub>2</sub>		3	
4	11020-B	1/4	22	20	16	8 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	.....	.....	.....	3 <sup>3</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>4</sub>	3 DIA.	3/4	3 <sup>1</sup> / <sub>2</sub>		4	
1	11023-E	1/2	27 <sup>11</sup> / <sub>16</sub>	24 <sup>11</sup> / <sub>16</sub>	21 <sup>11</sup> / <sub>16</sub>	10 <sup>15</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	9	2 <sup>3</sup> / <sub>4</sub>	.....	.....	.....	6 <sup>3</sup> / <sub>4</sub>	8	4 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>2</sub>	3	5 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	5		5
1	11023-E	3/4	28 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>2</sub>	22 <sup>1</sup> / <sub>2</sub>	11 <sup>3</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	9	2 <sup>3</sup> / <sub>4</sub>	.....	.....	.....	6 <sup>3</sup> / <sub>4</sub>	8	4 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>2</sub>	3	5 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	5		5
5	11027	1	32 <sup>3</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>4</sub>	23 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	5	4 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	4	6	2 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>		6
5	11027	1 1/2	32 <sup>3</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>4</sub>	23 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	5	4 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	4	6	2 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>		6
5	11027	2	33 <sup>3</sup> / <sub>4</sub>	29 <sup>3</sup> / <sub>4</sub>	24 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>2</sub>	7 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	5	4 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	4	6	2 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>		6
3450 R.P.M. — 60 CYCLE																									
FIG. NO.	MODEL	H.P.	A			B	C	D			E	F	G	H	J	K	L	M	N	O	P	R	S	CURVE NO.	
			X-LONG	LONG	SHORT			X-LONG	LONG	SHORT															
1	2-P3	1/10	20 <sup>11</sup> / <sub>16</sub>	16 <sup>7</sup> / <sub>16</sub>	14 <sup>7</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	11 <sup>11</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	.....	.....	.....	3	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>8</sub>		7
1	9025-E	1/4	20 <sup>11</sup> / <sub>16</sub>	16 <sup>7</sup> / <sub>16</sub>	14 <sup>7</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	11 <sup>11</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	4 <sup>23</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>8</sub>	.....	.....	.....	3	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	3/4	2 <sup>1</sup> / <sub>16</sub>		8
2	11020	1/2	23 <sup>3</sup> / <sub>8</sub>	21 <sup>1</sup> / <sub>2</sub>	17 <sup>1</sup> / <sub>8</sub>	10 <sup>15</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>8</sub>	12 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	2	6 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	3 DIA.	1 <sup>1</sup> / <sub>4</sub>	5		9	
2	11020	3/4	23 <sup>3</sup> / <sub>8</sub>	21 <sup>1</sup> / <sub>2</sub>	17 <sup>1</sup> / <sub>2</sub>	10 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>8</sub>	12 <sup>3</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	2	6 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	3 DIA.	1 <sup>1</sup> / <sub>4</sub>	5		9	
1	11023-E	1 1/2	29 <sup>1</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>8</sub>	12 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	9	2 <sup>3</sup> / <sub>4</sub>	.....	.....	.....	6 <sup>3</sup> / <sub>4</sub>	8	4 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>2</sub>	3	5 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	5		10
1	11023-E	2	30 <sup>1</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	9	2 <sup>3</sup> / <sub>4</sub>	.....	.....	.....	6 <sup>3</sup> / <sub>4</sub>	8	4 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>2</sub>	3	5 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	5		10
1	11023-E	3	31	28	25	14 <sup>3</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	9	2 <sup>3</sup> / <sub>4</sub>	.....	.....	.....	6 <sup>3</sup> / <sub>4</sub>	8	4 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>2</sub>	3	5 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	5		10
5	11027	5	35 <sup>3</sup> / <sub>4</sub>	31 <sup>3</sup> / <sub>4</sub>	26 <sup>3</sup> / <sub>4</sub>	15 <sup>3</sup> / <sub>2</sub>	7 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	5	4 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	4	6	2 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	11 & 12	
5	11027	7 1/2	37 <sup>3</sup> / <sub>4</sub>	33 <sup>3</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>4</sub>	17	10 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	5	4 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	4	6	2 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	11 & 12	

# GUSHER®

## PERFORMANCE CURVES FOR FLANGE MOUNTED PUMPS INTERNAL DISCHARGE 1725 R.P.M.

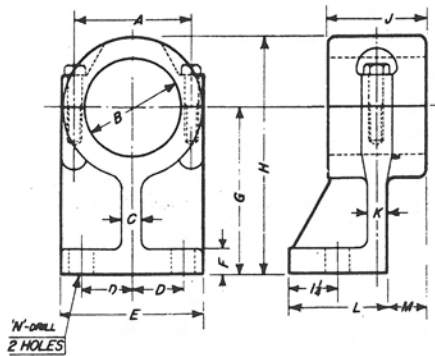


## 3450 R.P.M.



# MOUNTING BRACKETS

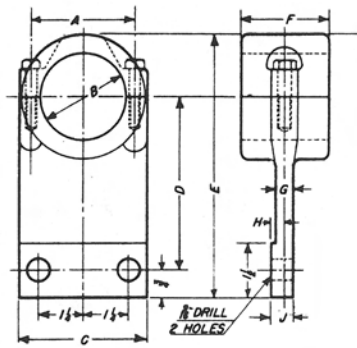
## ANGLE BRACKETS



### DIMENSIONS IN INCHES

BRACKET & DRAWING NO.	A	B	C	D	E	F	G	H	J	K	L	M	N
2-2128	2 3/8	2 3/8	1 1/2	1 1/4	3 1/2	3/8	4	5 3/4	2 1/2	1 1/2	2 1/2	1	3/8
2A-2312	3 1/8	2 1/2	3/8	1 1/2	4 1/2	3/4	8	10	3	3/4	3 1/2	1 1/8	1 1/2
2AA-2340	4 1/8	3 1/2	3/4	1 3/8	5 1/2	3/4	6	8 1/2	3	3/4	3 1/2	1 1/8	1 1/2

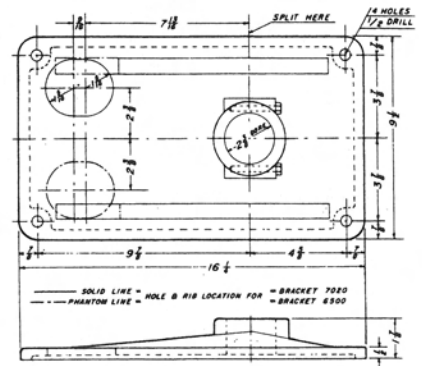
## ARM BRACKETS



### DIMENSIONS IN INCHES

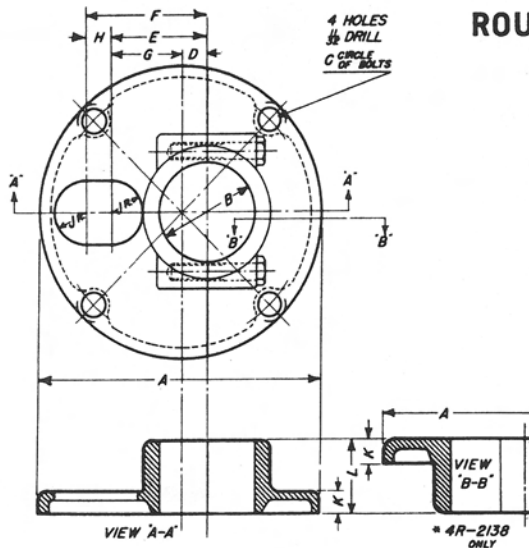
BRACKET & DRAWING NO.	A	B	C	D	E	F	G	H	J
1-2126	2 3/8	2 3/8	3 1/2	4 3/4	7 1/4	2 1/2	1/2	3/8	3/8
1A-2397	3	2 1/2	3 3/8	5 1/4	7 3/4	2 1/2	3/8	3/8	3/8

## RECTANGULAR PLATE BRACKETS



— Solid Line = Hole & Rib = Bracket 7020  
 -- Phantom Line = Location for = Bracket 6500

## ROUND PLATE BRACKETS



### DIMENSIONS IN INCHES

BRACKET & DRAWING NO.	A	B	C	D	E	F	G	H	J	K	L
3-2094	7	2 3/8	6 1/4	3/8	2 3/4	3	1 3/4	3/8	3/4	1 1/2	1 3/4
4-2155	8 1/2	2 3/8	7 3/4	1 3/8	3 3/8	4 3/8	2 1/2	3/8	1 1/8	1 1/2	1 3/8
*4R-2138	8 1/2	2 3/8	7 3/4	1 3/8	2 3/8	4 3/8	1 3/4	1 1/8	1 1/8	1 1/2	1 3/8
5-2395	9 3/4	2 1/2	9	1 3/8	3 3/4	4 3/4	1 3/8	1 1/2	1 1/4	1 3/8	2
5A-2395	9 3/4	2 3/8	9	1 3/8	3 3/4	4 3/4	1 3/8	1 1/2	1 1/4	1 3/8	2
6-2133	12	2 1/2	11 1/4	2 3/8	3 3/4	6 3/4	3/8	3	1 1/4	1 3/8	2
7-2134	14	3 1/2	13 3/4	3 3/8	5	8 1/4	1 1/8	3 1/4	1 3/8	1 3/8	2

4H-2568 same dimensions as 4R-2138. All dimensions in inches.

MODEL	ANGLE BRACKETS	ARM BRACKETS	ROUND PLATE BRACKETS			RECTANGULAR PLATE BRACKETS		
YL	2-2128	1-2126	3-2094	OR	4R-2138	6500	OR	7020
11021	2-2128	1-2126	5A-2395			6500	OR	7020
11023-A	2A-2312	1A-2397	5-2395	OR	6-2133			
11025	2AA-2340		7-2134					
11026 26D & 33D	2AA-2340		7-2134					
11029	2A-2312	1A-2397	6-2133					
BL	2A-2312	1A-2397	6-2133					
CML	2A-2312	1A-2397	6-2133					
RL	2-2128	1-2126	4H-2568	OR	5A-2395			
UD	2-2128	1-2126	4-2155	OR	4R-2138			
UL	2-2128	1-2126	3-2094	OR	4R-2138			
11023-D	2A-2312	1A-2397	5-2395	OR	6-2133			
BO	2A-2312	1A-2397	6-2133					
CMO	2A-2312	1A-2397	6-2133					
RO	2-2128	1-2126	4H-2568	OR	5A-2395			
YO	2-2128	1-2126	3-2094	OR	4R-2138	6500	OR	7020



# GUSHER<sup>®</sup>

## UNIVERSAL MOUNTING PLATE

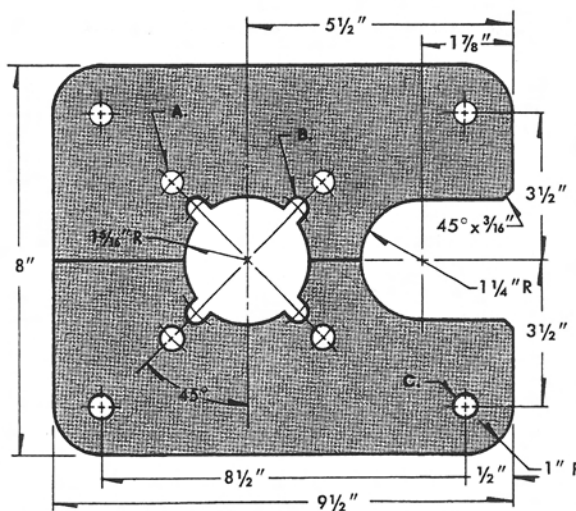
- Reduce mounting plate cost by up to 50%
- Reduce inventory

The new easy to install Gusher/Ruthman Universal Mounting Plate, is designed to be used with 15 different pump models.

**IMPORTANT! GUSHER RUTHMAN WILL CONTINUE TO MANUFACTURE THE COMPLETE LINE OF "ROUND PLATE BRACKETS".**

### PUMP AND BRACKET EQUIVALENT CHART

PUMP MODEL NUMBER	ROUND PLATE BRACKETS	NEW SQUARE PLATE BRACKET
YL	3-2094 or 4R-2138	<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NUMBER</div> <div style="font-size: 48pt; font-weight: bold;">7515</div> </div>
11021	5A-2395	
11023-A	5-2395 or 6-2133	
11029	6-2133	
BL	6-2133	
RL, HL	4H-2568 or 5A-2395	
UD, SL, TL	4-2155 or 4R-2138	
UL	3-2094 or 4R-2138	
11023-D	5-2395 or 6-2133	
BO	6-2133	
RO	4H-2568 or 5A-2395	
YO	3-2094 or 4R-2138	



- SPECIFICATIONS**
- A. 4 thru holes,  $\frac{7}{16}$  dia.,  $4\frac{1}{2}$ " B.C. dia., equally spaced.
  - B. 4 thru slots,  $\frac{3}{8}$ " wide, 3" B.C. dia., equally spaced.
  - C. 4 thru holes  $\frac{7}{16}$  dia.
  - D.  $\frac{3}{16}$  thick hot rolled steel
  - E. Tol. on outside dimensions  $\pm \frac{1}{32}$ ".

### HOW TO INSTALL

1. Remove four hexagon head cap screws from under side of motor bell housing. (Fig. 1)
2. Place the two half sections of the Gusher/Ruthman Universal Bracket around the pump shaft at the base of the motor with discharge pipe (when used) running through void portion at side of the bracket. (Fig. 1)
3. Replace four hexagon head cap screws through aligned holes in plate and motor housing. (Fig. 1)
4. Install pumping unit, with new Universal Mounting Plate, back into service. (Fig. 2)

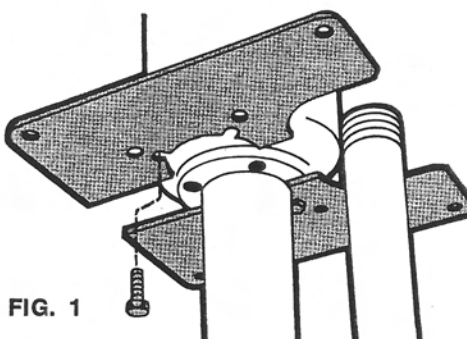


FIG. 1

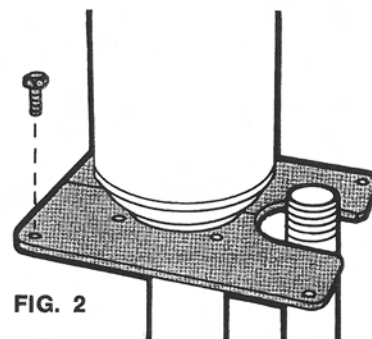
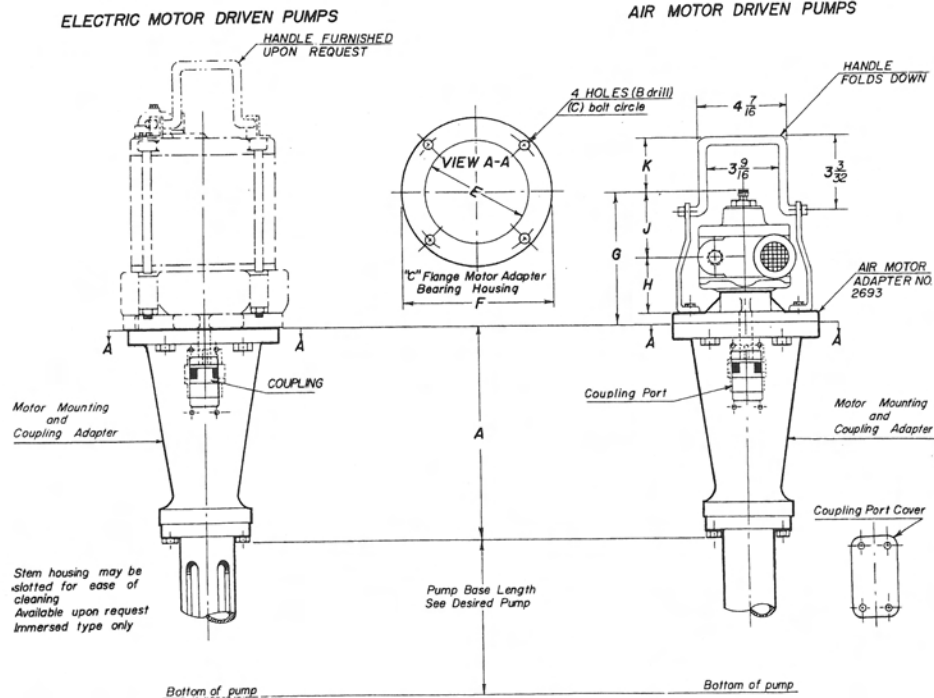


FIG. 2



# GUSHER® C-FACE MOTOR ADAPTED PUMPS



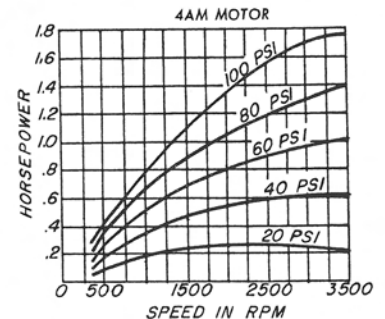
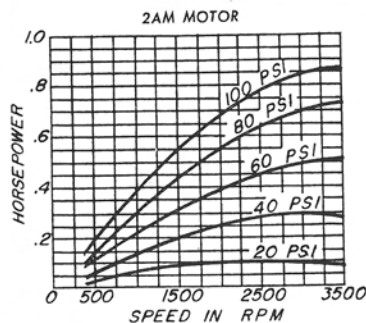
MOTOR HORSEPOWER AND FRAME SIZES											
Horsepower	1/10	1/4	1/3	1/2	3/4	1	1 1/2	2	3	5	
R.P.M.	1725	48	56	56	56	143T	145T	145T	182T	184T	
	3450	48	48	56	56	56	143T	145T	182T	184T	

DIMENSIONS IN INCHES				
	G	H	J	K
2 A M	4-27/32	2-15/32	1-1/16	2-7/8
4 A M	5-3/4	2-15/16	1-1/2	1-31/32

6 A M AND 8 A M AVAILABLE UPON REQUEST

DIMENSIONS IN INCHES								
Bearing Housing*	Frame	Motor Coupling	Pump Coupling	A	B	C	E	F
2725-SF	48	1/2	3/4	9 3/32	1 1/32	5 7/8	4 1/2	6 1/2
	56	5/8	3/4	9 3/16	1 1/32	5 7/8	4 1/2	6 1/2
2725-6	56	5/8	3/4	9 3/16	1 1/32	5 7/8	4 1/2	6 1/2
2725-7	56	5/8	3/4	9 3/16	1 1/32	5 7/8	4 1/2	6 1/2
2737	143T/145T	7/8	1	9 5/8	1 1/32	5 7/8	4 1/2	6 1/2
2739	182T/184T	1 1/8	1	12 1/8	1 1/16	7 1/4	8 1/2	9

\* Motor Mounting and Coupling Adapter.



GUSHER PUMPS are available with a C-face motor mounting and coupling adapter. This makes it possible to use any complete C-face motor, be it an Air or Electric Motor as shown above. The shaft supporting ball bearings are confined within the coupling adapter.

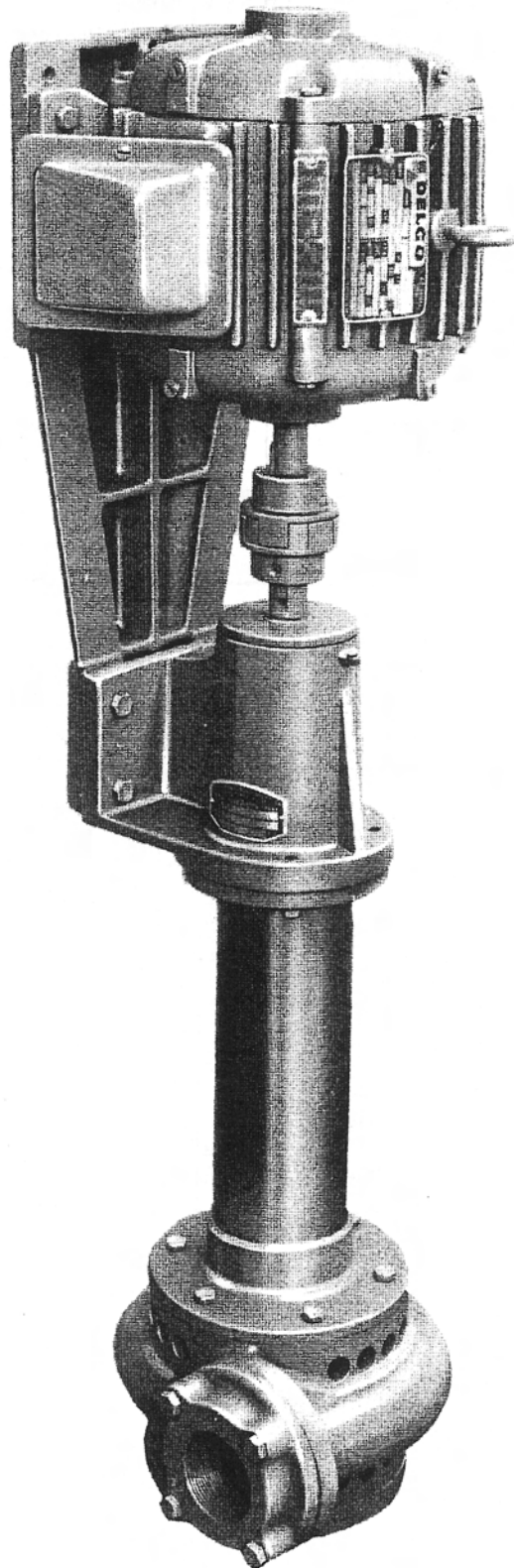
We recommend this adaptation for handling hazardous liquids as Air Motors or Explosion Proof Motors can be adapted easily. Any standard GUSHER PUMP can be equipped with coupling adapter.

When ordering use suffix "CDM" after pump model number, for example: 11024 Long CDM. Also specify IMPELLER, MOTOR HORSE POWER and CURRENT CHARACTERISTICS, DISCHARGE PIPE SIZE—RIGHT HAND or LEFT HAND—where these vary.

These units can be ordered with or without motors. Write for quotations.



# GUSHER<sup>®</sup>



Immersed Types

**J.I.C.  
SPECIFICATIONS**

# GUSHER® J.I.C. SPECIFICATIONS

For Pump installations requiring standard NEMA foot mounted motors to meet J.I.C. specifications, Gusher Pumps has developed a complete line of vertical motor base brackets which may be adapted to any standard model pump 1/10 H.P. thru 20 H.P. motor frame sizes, 48 up to 286U.

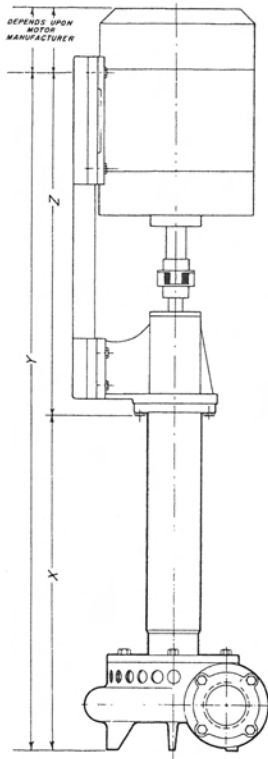
TABLE A MOTOR HORSEPOWER FRAME SIZES

R.P.M.	1/10	1/4	1/3	1/2	3/4	1	1 1/2	2	3	5	7 1/2	10	15	20
1725	48	48 or 56	56	56	56	56 or 143T or 182U	56 or 145T or 184U	56 or 145T or 184U	182T or 213U	184T or 215U	213T or 254U	215T or 256U	254T or 284U	256T or 286U
3450	48	48	56	56	56	56	56 or 143T or 182U	56 or 145T or 184U	182T or 184U	184T or 213U	213T or 215U	215T or 254U	254T or 256U	256T or 286U

TABLE B

MOTOR COUPLING SIZE		1/2"			5/8"			5/8"			5/8"			3/4"			3/4"																				
PUMP COUPLING SIZE		1/2"			3/4"			3/4"			1"			1"			1"																				
UPPER BALL BEARING		203			204			205			207			207			207																				
LOWER BALL BEARING		203			205			206			207			207			207																				
MOTOR BASE BRACKET NO.		6194			6191			6191			6191			6179-T			6179-T																				
B. B. HOUSING NO.		6193			6190			6192			6199			6199			6199																				
MOTOR FRAME SIZE		48 FRAME						* 56 FRAME						□ 56 FRAME						° 56 FRAME						143-T FRAME						145-T FRAME					
MODEL	X			Y			Z	Y			Z	Y			Z	Y			Z	Y			Z	Y			Z	Y			Z						
	X-LONG	LONG	SHORT	X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT			
BL-CM	.....	15 1/8	8 1/4	.....	.....	.....	.....	.....	.....	.....	.....	31 1/4	24 3/8	16 1/8	.....	32 5/8	25 1/8	17 3/8	.....	33 1/8	26 5/8	18 1/8	.....	.....	.....	.....	.....	.....									
BL-26-CM	27 1/2	23 1/2	16 1/2	.....	.....	.....	.....	.....	.....	.....	.....	46 5/8	42 5/8	35 5/8	18 1 3/4	47 3/8	43 3/8	36 3/8	19 3/8	48 1/4	44 1/4	37 1/4	20 3/4	.....	.....	.....	.....	.....									
BO-CM	.....	15 1/8	8 1 3/4	.....	.....	.....	.....	.....	.....	.....	.....	31 1 3/8	24 1 5/8	16 1/8	.....	.....	.....	.....	.....	33 3/4	26 1/8	18 1/8	.....	.....	.....	.....	.....	.....									
CML-CM	21 3/4	16 3/4	11 3/4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38 1 5/8	33 1 5/8	28 1 5/8	17 3/8	39 1 3/8	34 1 3/8	29 1 3/8	18 1 3/8	40 1 3/8	35 1 3/8	30 1 3/8	19 1 3/8										
CML-26-CM	29 1/8	25 1/8	20 1/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49 7/8	45 7/8	40 7/8	20 3/4	50 7/8	46 7/8	41 7/8	21 3/4										
CMO-CM	22 3/8	17 3/8	12 3/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	39 3/4	34 3/4	29 3/4	17 3/8	40 5/8	35 5/8	30 5/8	18 1 3/8	41 5/8	36 5/8	31 5/8	19 1 3/8										
RL-CM	15 1/2	11 1/2	8 1/2	.....	.....	.....	.....	31 1/8	27 1/8	24 1/8	15 5/8	.....	.....	.....	.....	32 1 1/8	28 1 1/8	25 1 1/8	17 3/8	.....	.....	.....	.....	.....	.....	.....	.....										
RL-25-CM	23 3/8	19 3/8	16 3/8	.....	.....	.....	.....	.....	.....	.....	.....	42 1 1/8	38 1 1/8	35 1 1/8	18 1 3/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
RO-CM	16 1/8	12 3/8	9 3/8	.....	.....	.....	.....	31 1 1/8	27 1 1/8	24 1 1/8	15 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
UD-CM	15 5/8	12 5/8	7 5/8	.....	.....	.....	.....	30 1 1/8	27 1 1/8	23 1 1/8	15 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
UD-25-CM	24 3/8	20 3/8	16 3/8	.....	.....	.....	.....	.....	.....	.....	.....	43 3/8	39 3/8	34 3/8	18 1 3/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
UL-CM	12 1 3/8	10 1 3/8	7 5/8	.....	.....	.....	.....	28 1 1/2	26 1 1/2	22 7/8	15 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
YL-CM	12 3/4	10 3/4	.....	.....	.....	.....	.....	28 5/8	26 5/8	.....	15 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
YO-CM	13 1/4	11 1/4	.....	.....	.....	.....	.....	28 1 3/8	26 1 3/8	.....	15 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
1-P3-CM	11 1 1/8	8 1 1/8	6 1 1/8	25 1 1/8	22 1 1/8	20 1 1/8	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
23D-26-CM	25 1/4	21 1/4	18 1/4	.....	.....	.....	.....	.....	.....	.....	.....	44 1/8	40 1/8	37 1/8	18 1 3/8	45 1/8	41 1/8	38 1/8	19 3/8	46	42	39	20 3/4	47 1/2	43 1/2	40 1/2	23 5/8										
26D-CM	30 5/8	24 5/8	20 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
33D-CM	30 5/8	24 5/8	20 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
9025-CM	.....	8 1 1/8	6 1 1/8	.....	22 1 1/8	20 1 1/8	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
9040-CM	12 3/8	8 3/8	6 3/8	.....	.....	.....	.....	28 5/8	24 5/8	22 3/8	15 3/4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
11021-CM	14 5/8	10 5/8	6 5/8	.....	.....	.....	.....	30 5/8	26 5/8	22 3/8	15 5/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
11023A-CM	16 5/8	13 5/8	10 5/8	.....	.....	.....	.....	.....	.....	.....	.....	32 3/4	29 3/4	26 3/4	16 5/8	33 3/8	30 3/8	27 3/8	17 3/8	34 1 1/8	31 1 1/8	28 1 1/8	18 3/8	35 1 1/8	32 1 1/8	29 1 1/8	19 3/8										
11023D-CM	15 5/8	12 5/8	9 5/8	.....	.....	.....	.....	.....	.....	.....	.....	32	29	26	16 1/8	33 3/8	30 3/8	27 3/8	17 3/8	33 1 3/8	30 5/8	27 1 3/8	18 1 3/8	34 1 5/8	31 5/8	28 1 5/8	19 1 3/8										
11025-CM	20 1/4	16 1/4	11 1/4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37 3/8	33 3/8	28 3/8	17 3/8	38 5/8	34 5/8	29 5/8	18 1 3/8	39 5/8	35 5/8	30 5/8	19 1 3/8										
11026-CM	23 3/4	19 3/4	15 3/4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
11029-CM	13 1/8	10 1/8	7 1/8	.....	.....	.....	.....	.....	.....	.....	.....	29 3/8	26 3/8	23 3/8	16 3/8	30 1/4	27 1/4	24 1/4	17 3/8	31 1/8	28 1/8	25 1/8	18 1 3/8	32 1/8	29 1/8	26 1/8	19 1 3/8										
25818-CM	40 3/8	.....	20 3/8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61 1 3/8	53 1 3/8	41 1 3/8	21 5/8	62 1 3/8	54 1 3/8	42 1 3/8	22 5/8										
26918-CM	43 1/2	35	23 1/2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....										
29718-CM	26 5/8	20 5/8	14 5/8	.....	.....	.....	.....	.....	.....	.....	.....	45 1 1/8	40 3/8	34 3/8	19 5/8	.....	.....	.....	.....	47 5/8	42 5/8	36 5/8	21 1 1/2	48 5/8	43 5/8	37 1 1/2	22 1 1/2										

\* 3 3/4" STEM FLANGE (1/4-1/2 H.P.)  
□ 5 1/4" STEM FLANGE (1/4-1/2-1/2 & 3/4 H.P.)  
° 5 1/4" STEM FLANGE (1-1 1/2 & 2 H.P.)



## THE FOLLOWING PROCEDURE WILL ENABLE YOU TO FIND THE EXACT DIMENSIONS OF YOUR JIC PUMP

- 1) Select the required pump model from the INDEX and the corresponding catalog page for that particular model.
- 2) After selecting the proper pump model, horsepower and R.P.M., refer to Table A to find the required Motor Frame size.
- 3) Refer to Table B and locate the selected Model then proceed across the chart to the required Motor Frame Column.

**IMPORTANT:** When ordering always use suffix "CM" after the pump model number (i.e. — 11029 Long CM). Also specify motor frame size, H.P. and RPM.

**Note:** Dimensions and part numbers in Table B apply to "T" frame motors only. Dimensions and part numbers for "U" frame motors will be furnished upon request.

**TABLE B**

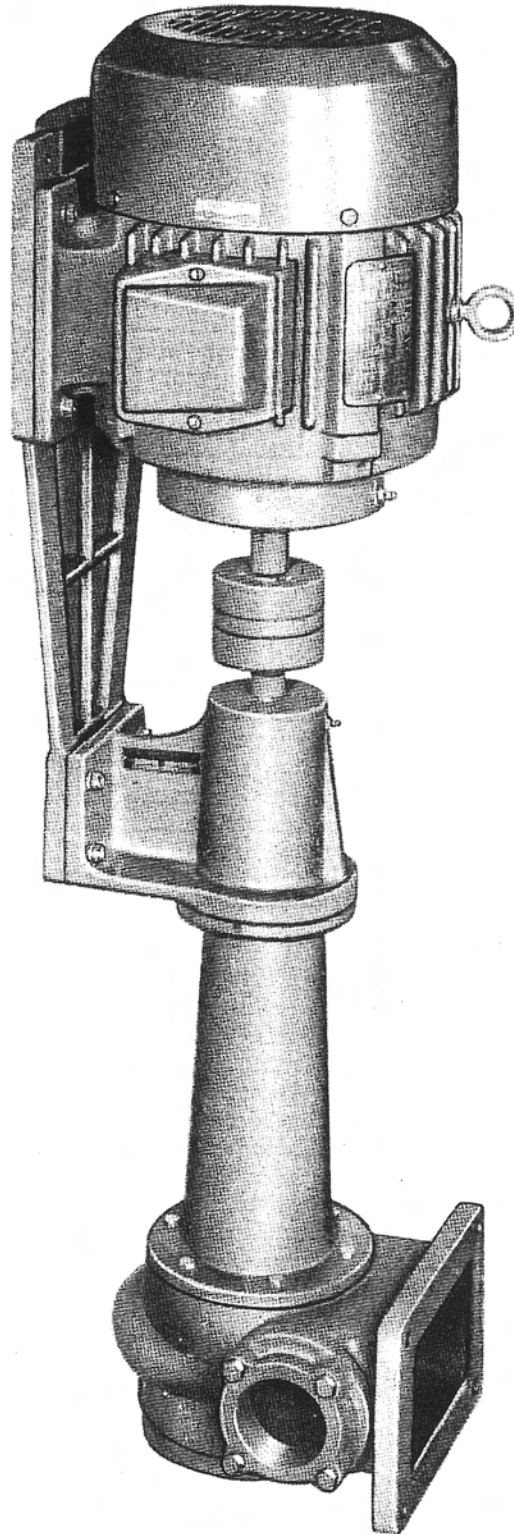
MOTOR COUPLING SIZE				1 1/8"				1 1/8"				1 3/8"				1 3/8"				1 3/8"				1 3/8"			
PUMP COUPLING SIZE				1"				1"				1"				1"				1 1/8"				1 1/8"			
UPPER BALL BEARING				207				207				207				207				207 DOUBLE ROW				207 DOUBLE ROW			
LOWER BALL BEARING				207				207				207				207				307				307			
MOTOR BASE BRACKET NO.				6189-T				6189-T				6187-T				6187-T				7290				7290			
B. B. HOUSING NO.				6188				6188				6186				6186				7280				7280			
MOTOR FRAME SIZE				182-T FRAME				184-T FRAME				213-T FRAME				215-T FRAME				254-T FRAME				254-T FRAME			
MODEL	X			Y			Z	Y			Z	Y			Z	Y			Z	Y			Z	Y			Z
	X-LONG	LONG	SHORT	X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT	
BL-CM		15 1/8	8 1/4																								
BL-26-CM	27 1/2	23 1/2	16 1/2																								
BO-CM		15 1/16	8 1/16																								
CML-CM	21 3/4	16 3/4	11 3/4	41 3/16	36 3/16	31 3/16	19 3/16	42 3/16	37 3/16	32 3/16	20 3/16																
CML-26-CM	29 3/8	25 3/8	20 3/8	51 3/8	47 3/8	42 3/8	22 3/4	52 3/8	48 3/8	43 3/8	23 3/4																
CMO-CM	22 3/8	17 3/8	12 3/8	42 3/8	37 3/8	32 3/8	19 3/8	43 3/8	38 3/8	33 3/8	20 3/8																
RL-CM	15 1/2	11 1/2	8 1/2	35 1/16	31 1/16	28 1/16	19 1/16																				
RL-25-CM	23 3/4	19 3/4	16 3/4																								
RO-CM	16 3/8	12 3/8	9 3/8																								
UD-CM	15 3/8	12 3/8	7 3/8																								
UD-25-CM	24 3/8	20 3/8	16 3/8																								
UL-CM	12 3/4	10 3/4	7 3/4																								
YL-CM	12 3/4	10 3/4																									
YO-CM	13 3/4	11 3/4																									
1-P3-CM	11 1/16	8 1/16	6 1/16																								
23D-26-CM	25 1/4	21 1/4	18 1/4																								
26D-CM	30 3/8	24 3/8	20 3/8	49 1/16	43 1/16	39 1/16	19 3/16	50 1/16	44 1/16	40 1/16	20 3/16	52 1/16	46 1/16	42 1/16	21 1/16	53 1/16	47 1/16	43 1/16	23 1/16	58 1/2	52 1/2	48 1/2	28 3/8				
33D-CM	30 3/8	24 3/8	20 3/8									52 1/16	46 1/16	42 1/16	21 1/16	53 1/16	47 1/16	43 1/16	23 1/16	58 1/2	52 1/2	48 1/2	28 3/8	60 3/4	54 1/4	50 1/4	30 3/8
9025-CM		8 1/16	6 1/16																								
9040-CM	12 3/4	8 3/4	6 3/4																								
11021-CM	14 3/8	10 3/8	6 3/8																								
11023A-CM	16 3/8	13 3/8	10 3/8	36 3/16	33 3/16	30 3/16	19 3/16																				
11023D-CM	15 3/8	12 3/8	9 3/8	35 3/16	32 3/16	29 3/16	19 3/16																				
11025-CM	20 3/4	16 3/4	11 3/4	39 1/16	35 1/16	30 1/16	19 3/16	40 1/16	36 1/16	31 1/16	20 3/16	42 3/16	38 3/16	33 3/16	21 1/16	43 1/16	39 1/16	34 1/16	23 1/16								
11026-CM	23 3/4	19 3/4	15 3/4	43 3/16	39 3/16	35 3/16	19 3/16	44 3/16	40 3/16	36 3/16	20 3/16	45 1/16	41 1/16	37 1/16	21 1/16	47 1/16	43 1/16	39 3/16	23 1/16	52 1/2	48 1/2	44 1/2	28 3/8				
11029-CM	13 1/16	10 1/16	7 1/16	32 3/8	29 3/8	26 3/8	19 3/8	33 3/8	30 3/8	27 3/8	20 3/8	35	32	29	21 1/16												
25818-CM	40 3/8		20 3/8	62 3/8	54 3/8	42 3/8	22 1/16	64 3/8	55 3/8	44 3/8	24 3/8	65 1/16	57 3/16	45 1/16	25 1/2	67 3/16	58 1/16	47 3/16	27								
26918-CM	43 1/2	35	23 1/2	65 1/16	57 3/16	45 1/16	22 3/16	67 1/16	59 3/16	47 1/16	24 3/16	69 3/16	60 1/16	49 3/16	25 1/16	70 1/16	62 3/16	50 1/16	27 3/16	75 3/8	67 1/8	55 3/8	32 3/8				
29718-CM	26 1/8	20 3/8	14 3/8	48 3/16	43 3/16	37 3/16	22 3/16	50 3/16	44 3/16	38 3/16	24	51 1/2	46	40	25 3/8												

- \* 3/4" STEM FLANGE (1/4-1/2 H.P.)
- 5/4" STEM FLANGE (1/4-1/2 & 3/4 H.P.)
- 5/4" STEM FLANGE (1-1/2 & 2 H.P.)





# GUSHER<sup>®</sup>



Flange Mounted  
Types

**J.I.C.  
SPECIFICATIONS**

# GUSHER® J.I.C. SPECIFICATIONS

For Pump installations requiring standard NEMA foot mounted motors to meet J.I.C. specifications, Gusher Pumps has developed a complete line of vertical motor base brackets which may be adapted to any standard model pump 1/10 H.P. thru 15 H.P. motor frame sizes, 48 up to 284U.

TABLE A  
MOTOR HORSEPOWER FRAME SIZES

R.P.M.	1/10	1/4	1/3	1/2	3/4	1	1 1/2	2	3	5	7 1/2	10	15
1725	48	48 or 56	56	56	56	56 or 143T or 182U	56 or 145T or 184U	56 or 145T or 184U	182T or 213U	184T or 215U	213T or 254U	215T or 256U	254T or 284U
3450	48	48	56	56	56	56	56 or 143T or 182U	56 or 145T or 184U	182T or 184U	184T or 213U	213T or 215U	215T or 254U	254T or 256U

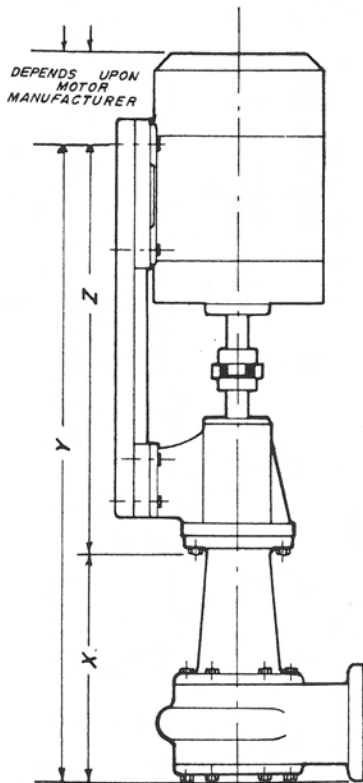
TABLE B

MOTOR COUPLING SIZE		1½"			5⁄8"			5⁄8"			5⁄8"			¾"			7⁄8"						
PUMP COUPLING SIZE		1½"			¾"			¾"			1"			1"			1"						
UPPER BALL BEARING		203			204			205			207			207			207						
LOWER BALL BEARING		203			205			206			207			207			207						
MOTOR BASE BRACKET NO.		6194			6191			6191			6191			6179-T			6179-T						
B. B. HOUSING NO.		6141			6190			6192			6199			6199			6199						
MOTOR FRAME SIZE		48 FRAME			* 56 FRAME			□ 56 FRAME			° 56 FRAME			143-T FRAME			145-T FRAME						
MODEL	X			Y			Z	Y			Z	Y			Z	Y			Z	Y			Z
	X-LONG	LONG	SHORT	X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT	
H-7550-CM	17¾	13¾	6¾	.....	.....	.....	.....	33¾	29½	21½	15½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2-P3-CM	11¾	8¾	6¾	25¾	22¾	20¾	14½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
3 & 4-P3 CM	11¾	8¾	6¾	25¾	22¾	20¾	14½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
5P-4521-CM	11¾	8¾	6¾	26¼	23¼	21¼	12½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
9-P3-CM	.....	7½	.....	.....	22¾	.....	14½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
9025-E-CM	.....	8¾	6¾	.....	22¾	20¾	14½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
9025-K-CM	.....	8¾	6¾	.....	22¾	20¾	14½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11020-CM	12¾	10¾	6¾	.....	.....	.....	.....	28¾	26¾	22¾	15½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11020-A-CM	13½	11½	7½	.....	.....	.....	.....	29½	27½	23½	15½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11020-B-CM	13½	11½	7½	.....	.....	.....	.....	29½	27½	23½	15½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11022-CM	12¾	10¾	6¾	.....	.....	.....	.....	28¾	26¾	22¾	15½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11022-C-CM	12¾	10¾	6¾	.....	.....	.....	.....	28¾	26¾	22¾	15½	28¾	26¾	22¾	16½	29½	27½	24½	17½	31½	28½	25½	18½
11022-E-CM	13¾	10¾	7¾	.....	.....	.....	.....	.....	.....	.....	.....	29¾	26¾	23¾	16½	30½	27½	24½	17½	31½	28½	25½	18½
11023-B-CM	16¾	13¾	10¾	.....	.....	.....	.....	.....	.....	.....	.....	32¾	29¾	26¾	16½	.....	.....	.....	.....	34½	31½	28½	18½
11023-C-CM	16¾	13¾	10¾	.....	.....	.....	.....	.....	.....	.....	.....	32¾	29¾	26¾	16½	.....	.....	.....	.....	34½	31½	28½	18½
11023-E-CM	16¾	13¾	10¾	.....	.....	.....	.....	.....	.....	.....	.....	32¾	29¾	26¾	16½	.....	.....	.....	.....	34½	31½	28½	18½
2E-18-CM	26½	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	42¾	37½	.....	16½	43½	38¾	.....	17½	44¾	39¾	.....	18½
11024-CM	20¾	16¾	11¾	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37¾	33¾	28¾	17¾	38¾	34¾	29¾	18½
11027-CM	20¾	16¾	11¾	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37¾	33¾	28¾	17¾	38¾	34¾	29¾	18½
11030-CM	24¾	20¾	16¾	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* 3 3/4" STEM FLANGE (1/4-1/2 H.P.) (MODEL 11022C 1/2 H.P. TAKES 3 1/4" FLANGE)

□ 5 1/4" STEM FLANGE (1/4-1/2 H.P. & 3/4 H.P.)

° 5 1/4" STEM FLANGE (1-1 1/2 & 2 H.P.)



## THE FOLLOWING PROCEDURE WILL ENABLE YOU TO FIND THE EXACT DIMENSIONS OF YOUR JIC PUMP

- 1) Select the required pump model from the INDEX and the corresponding catalog page for that particular model.
- 2) After selecting the proper pump model, horsepower and R.P.M., refer to Table A to find the required Motor Frame size.
- 3) Refer to Table B and locate the selected Model then proceed across the chart to the required Motor Frame Column.

**IMPORTANT:** When ordering always use suffix "CM" after the pump model number (i.e. 2E-18 Long CM).  
Also specify motor frame size, H.P. and RPM.

Note: Dimensions and part numbers in Table B apply to "T" frame motors only.  
Dimensions and part numbers for "U" frame motors will be furnished upon request.

TABLE B

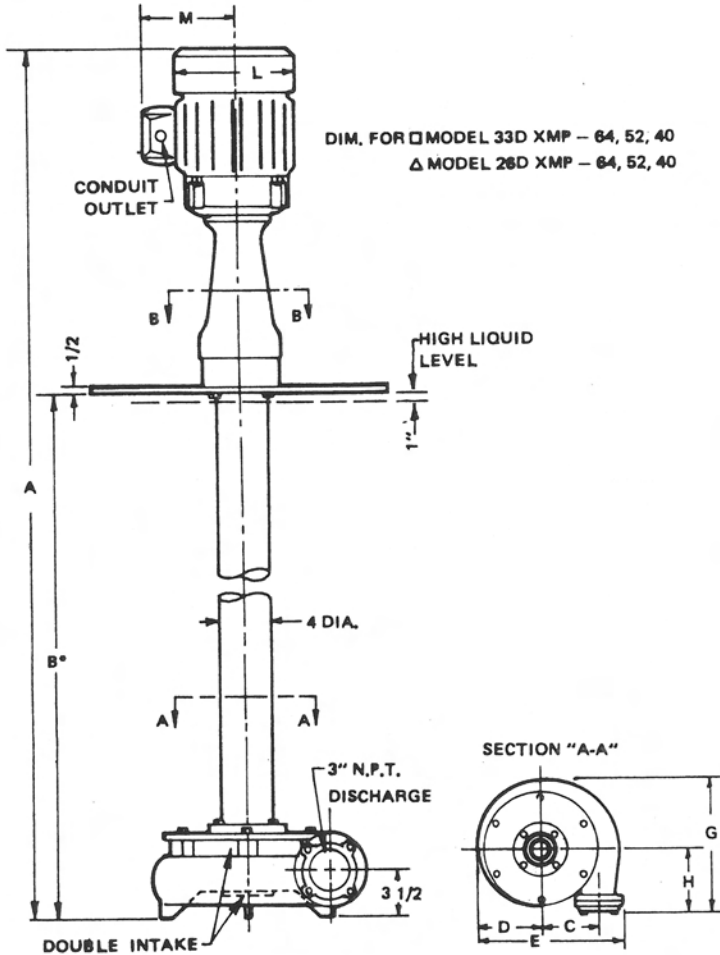
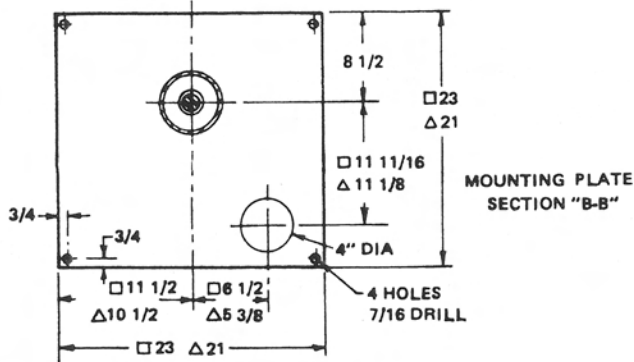
MOTOR COUPLING SIZE				1 1/8"				1 1/8"				1 3/8"				1 3/8"				1 3/8"			
PUMP COUPLING SIZE				1"				1"				1"				1"				1 3/8"			
UPPER BALL BEARING				207				207				207				207				207 DOUBLE ROW			
LOWER BALL BEARING				207				207				207				207				307			
MOTOR BASE BRACKET NO.				6189-T				6189-T				6187-T				6187-T				7290			
B. B. HOUSING NO.				6188				6188				6186				6186				7280			
MOTOR FRAME SIZE				182-T FRAME				184-T FRAME				213-T FRAME				215-T FRAME				254-T FRAME			
MODEL	X			Y			Z	Y			Z	Y			Z	Y			Z	Y			Z
	X-LONG	LONG	SHORT	-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT		X-LONG	LONG	SHORT	
H-7550-CM	17 3/4	13 3/4	6 3/8																				
2-P3-CM	11 3/8	8 3/8	6 3/8																				
3 & 4-P3 CM	11 3/8	8 3/8	6 3/8																				
5P-4521-CM	11 3/4	8 3/4	6 3/4																				
9-P3-CM	-----	7 13/16	-----																				
9025-E-CM	-----	8 3/8	6 3/8																				
9025-K-CM	-----	8 3/8	6 3/8																				
11020-CM	12 5/8	10 5/8	6 5/8																				
11020-A-CM	13 1/2	11 1/2	7 1/2																				
11020-B-CM	13 1/2	11 1/2	7 1/2																				
11022-CM	12 5/8	10 5/8	6 5/8																				
11022-C-CM	12 5/8	10 5/8	6 5/8																				
11022-E-CM	13 5/8	10 5/8	7 5/8	33 3/8	30 3/8	27 3/8	19 3/8																
11023-B-CM	16 3/4	13 3/4	10 3/4	36 3/8	33 3/8	30 3/8	19 3/8																
11023-C-CM	16 3/4	13 3/4	10 3/4	36 3/8	33 3/8	30 3/8	19 3/8																
11023-E-CM	16 3/4	13 3/4	10 3/4	36 3/8	33 3/8	30 3/8	19 3/8																
2E-18-CM	26 1/2	21	-----	46 1/8	40 1/8	-----	19 3/8	47 1/8	41 3/8	-----	20 1/8	48 3/8	42 13/16	-----	21 15/16								
11024-CM	20 3/8	16 3/8	11 3/8	39 1/8	35 1/8	30 1/8	19 3/8	40 1/8	36 1/8	31 1/8	20 1/8	42 3/8	38 3/8	33 3/8	21 1/8	43 1/8	39 3/8	34 3/8	23 3/8				
11027-CM	20 3/8	16 3/8	11 3/8	39 1/8	35 1/8	30 1/8	19 3/8	40 1/8	36 1/8	31 1/8	20 1/8	42 3/8	38 3/8	33 3/8	21 1/8	43 1/8	39 3/8	34 3/8	23 3/8				
11030-CM	24 5/8	20 5/8	16 5/8	44 3/8	40 3/8	36 3/8	19 3/8	45 3/8	41 3/8	37 3/8	20 3/8	46 3/8	42 3/8	-----	21 15/16	48 3/8	44 1/8	-----	23 3/8	53	49	-----	

\* 3 3/4" STEM FLANGE (1/4-1/2 H.P.) (MODEL 11022C 1/2 H.P. TAKES 3 3/4" FLANGE)

□ 5 1/4" STEM FLANGE (1/4-1/2 & 3/4 H.P.)

○ 5 1/4" STEM FLANGE (1-1 1/2 & 2 H.P.)

HEAVY DUTY CANTILEVERED ONE PIECE SHAFT DESIGN  
MAKES IT POSSIBLE TO ELIMINATE THE SHAFT SUPPORT  
BUSHING ON LENGTHS UP TO 64"



**GUSHER**

MODELS  
**26D & 33D**  
X11MP-40 X19MP-  
52 or 64

## EXTENDED IMMERSED PUMPS WITHOUT BUSHING

EXTENDED IMMERSED PUMPS WITHOUT  
BUSHINGS OR BEARINGS BELOW MOUNTING PLATE.

### WHEN ORDERING SPECIFY:

- Model 26D-X11MP-40, 26D-X19MP-52 or 64;  
33D-X11MP-40, 33D-X19MP-52 or 64
- Impeller number and diameter from performance  
curves
- Motor horse power and current characteristics

### Dimensions in Inches

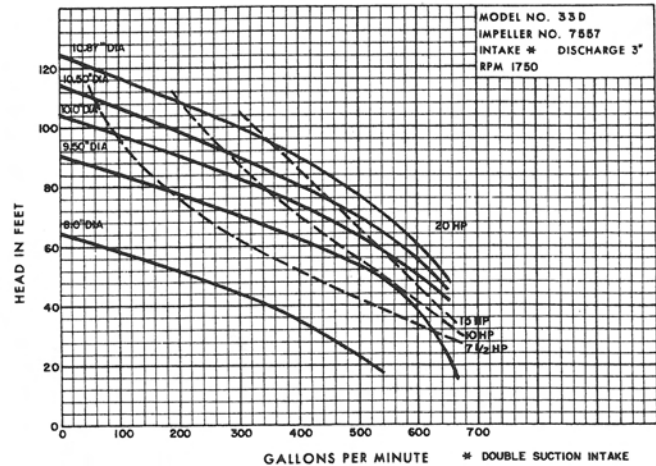
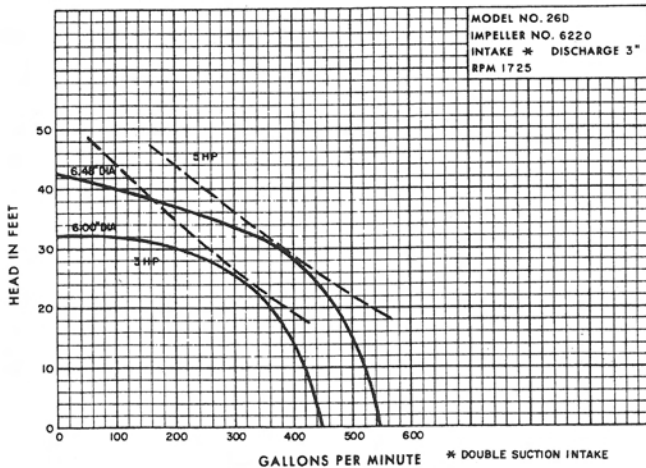
Model	HP	FR	A	B	C	D	E	G	H	L	M
26D- X11MP- 40	3	182C	66 $\frac{3}{4}$	40	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	9 $\frac{3}{8}$	7 $\frac{1}{4}$
	5	184TC	67 $\frac{3}{4}$	40	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	9 $\frac{3}{8}$	7 $\frac{1}{4}$
	7 $\frac{1}{2}$	213TC	68 $\frac{1}{4}$	40	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$
	10	215TC	101 $\frac{1}{8}$	40	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$
26D- X19MP- 52	3	182TC	86 $\frac{3}{4}$	52	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	9 $\frac{3}{8}$	7 $\frac{1}{4}$
	5	184TC	87 $\frac{3}{4}$	52	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	9 $\frac{3}{8}$	7 $\frac{1}{4}$
	7 $\frac{1}{2}$	213TC	88 $\frac{1}{4}$	52	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$
	10	215TC	89 $\frac{3}{4}$	52	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$
26D- X19MP- 64	3	182C	98 $\frac{3}{4}$	64	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	9 $\frac{3}{8}$	7 $\frac{1}{4}$
	5	184TC	99 $\frac{3}{4}$	64	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	9 $\frac{3}{8}$	7 $\frac{1}{4}$
	7 $\frac{1}{2}$	213TC	100 $\frac{1}{8}$	64	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$
	10	215TC	101 $\frac{3}{4}$	64	5 $\frac{3}{8}$	5 $\frac{1}{2}$	13 $\frac{1}{16}$	13 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{7}{8}$	9 $\frac{1}{8}$
33D- X11MP- 40	7 $\frac{1}{2}$	213TC	68 $\frac{1}{8}$	40	6 $\frac{1}{2}$	7 $\frac{1}{4}$	16 $\frac{1}{16}$	15 $\frac{1}{8}$	7 $\frac{1}{8}$	10 $\frac{1}{8}$	9 $\frac{1}{8}$
	10	215TC	69 $\frac{3}{4}$	40	6 $\frac{1}{2}$	7 $\frac{1}{4}$	16 $\frac{1}{16}$	15 $\frac{1}{8}$	7 $\frac{1}{8}$	10 $\frac{1}{8}$	9 $\frac{1}{8}$
33D- X19MP- 52	7 $\frac{1}{2}$	213TC	88 $\frac{1}{8}$	52	6 $\frac{1}{2}$	7 $\frac{1}{4}$	16 $\frac{1}{16}$	15 $\frac{1}{8}$	7 $\frac{1}{8}$	10 $\frac{1}{8}$	9 $\frac{1}{8}$
	10	215TC	89 $\frac{3}{4}$	52	6 $\frac{1}{2}$	7 $\frac{1}{4}$	16 $\frac{1}{16}$	15 $\frac{1}{8}$	7 $\frac{1}{8}$	10 $\frac{1}{8}$	9 $\frac{1}{8}$
33D- X19MP- 64	7 $\frac{1}{2}$	213TC	100 $\frac{1}{8}$	64	6 $\frac{1}{2}$	7 $\frac{1}{4}$	16 $\frac{1}{16}$	15 $\frac{1}{8}$	7 $\frac{1}{8}$	10 $\frac{1}{8}$	9 $\frac{1}{8}$
	10	215TC	101 $\frac{3}{4}$	64	6 $\frac{1}{2}$	7 $\frac{1}{4}$	16 $\frac{1}{16}$	15 $\frac{1}{8}$	7 $\frac{1}{8}$	10 $\frac{1}{8}$	9 $\frac{1}{8}$

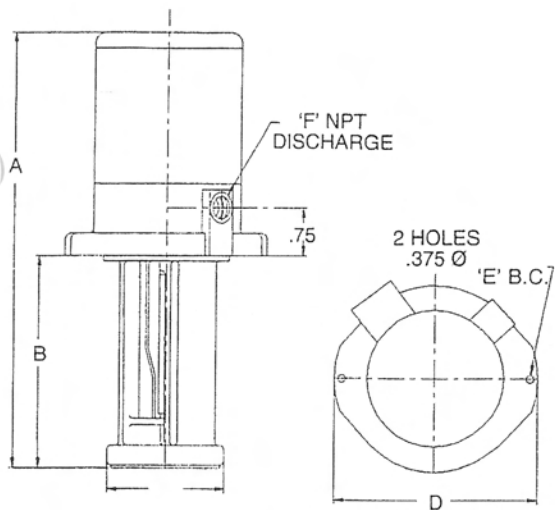
\* Last two digits of model number denotes immersion depth.

Example: Model 33D-X19MP-64 (64) represents 64" immersion.

Note: Piping can be furnished on request.

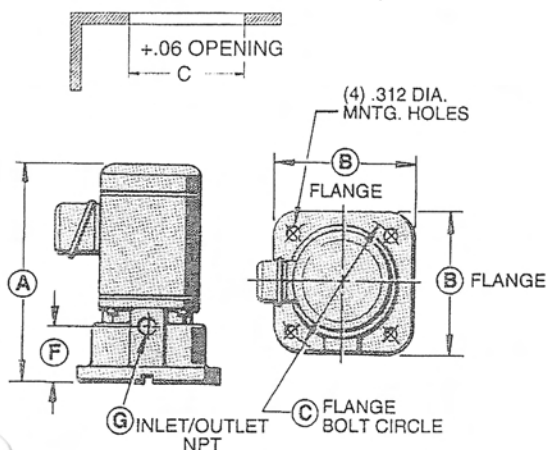
Above dimensions are for 230/460V-60 Cy.-3 Ph.-1725 RPM-TEFC motor.  
Dimensions are for estimating only. Write for certified drawings.





## VBV Series Vertical Immersion Pumps

MODEL	A	B	C	D	E	F	MOTOR (HP)
VBV-25-6	12.56	6.09	5.12	7.12	6.31	0.5	.25
VBV-25-7	13.56	7.09	5.12	7.12	6.31	0.5	.25
VBV-44-6	12.56	6.09	5.12	7.12	6.31	0.5	.44
VBV-44-7	13.56	7.09	5.12	7.12	6.31	0.5	.44
9050	SEE PAGE 81						



## VBH Series Horizontal Suction Pumps

MODEL	A	B	C	D1	E1	F	G	MOTOR (HP)
VBH-25	8.25	-----	-----	7.37	6.31	2.50	.5	.25
VBH-33	8.25	-----	-----	7.37	6.31	2.50	.5	.33
VBH-50	13.0	8.0	8.62	-----	-----	2.50	1.0	.50
VBH-75	13.0	8.0	8.62	-----	-----	2.50	1.0	.50
VBH-100	13.0	8.0	8.62	-----	-----	2.50	1.0	1.0
VBH-400W	10.25	-----	-----	8.12	7.09	3	1.0	.53

For Mounting Flange use  
VBV Drawing

Dimensions are in inches

Catalog dimensions are for reference  
only. Request certified drawings from  
factory.

## Cross Reference Interchangeability Chart

VBV Series Vertical Immersion Pumps

Gusher	Fuji	Mitsubishi	Toshiba	Hitachi	Yasukawa
	VKP-032	---	---	---	VFPC-01M
VBV-25	VKP-041	---	---	CPD-041	VFPC-01DL
	VKP-051-A	NQ-60-J	OPF-60M	CPD-063	VFPC-06DIF
VBV-25	VKP-061-A	NQ-100-J	OPF-100M	CPD-103	VFPC-100
	VKP-071-A	NQ-180-J	OPF-180M	CPO-183	VFPC-180JF
VBV-44	VKP-071-A	NQ-180-J	OPF-180M	CPO-183	VFPC-180JF
	VKP-081-A	NQ-250-J	OPF-250M	CPO-253	VFPC-250JF
	VKP-091-A	NQ-400-J	OPF-400M	CPD-403	VFPC-400JF
9050	VKP-112-A	---	---	---	VFPC-750
	VKS-113-A	---	---	---	VFPC-170MM

VBH Series Horizontal Suction Pumps

Gusher	Fuji	Mitsubishi	Toshiba	Hitachi	Yasukawa
	VKN-041-A	---	---	CP-S041	VFPC-01F
VBH-25	VKP-051-A	NP-60J	OPF-60M	CP-S063	VFPC-061JF
	VKN-061-A	NP-100J	OPF-1000M	CP-S103	VFPC-101JF
	VKN-071-A	NP-180J	OPF-180M	CP-S183	VFPC-181JF
VBH-50	VKN-081-A	NP-250J	OPF-250M	CP-S253	VFPC-251JF
VBH-75	VKN-091-A	NP-400J	OPF-400M	CP-S403	VFPC-401JF
VBH-100	VKN-112-A	---	---	---	VPC-751JF

Contact our Customer Service Department for any  
pumps not listed or if you have special requirements or  
a difficult application.

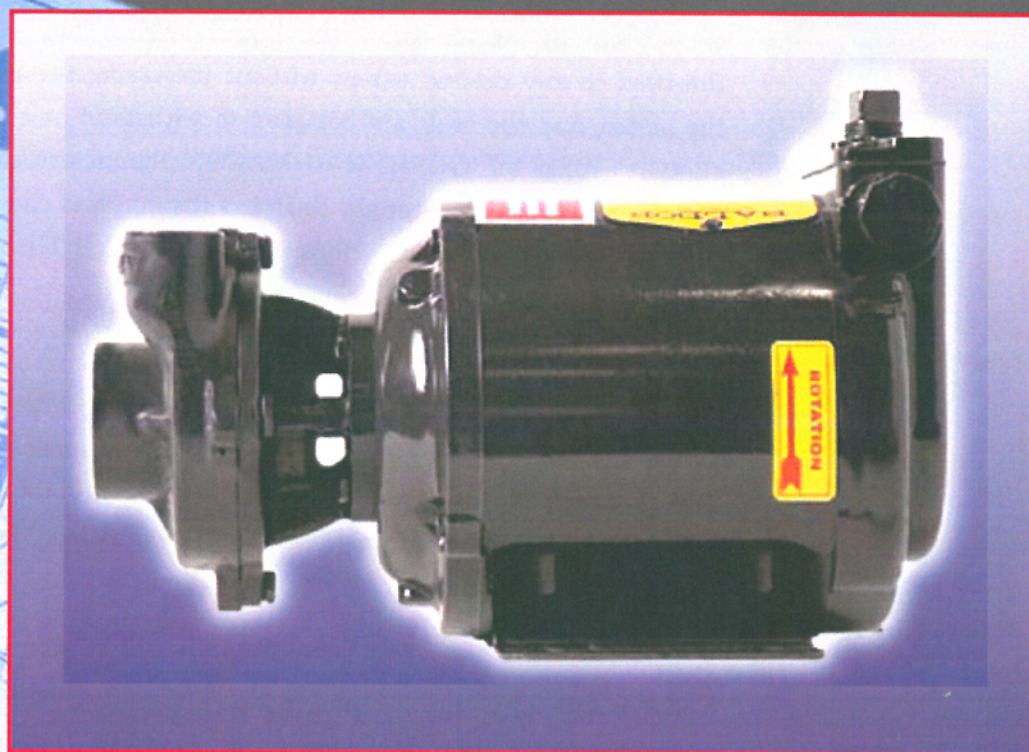


# Seal Type Horizontal and Flange Mount Coolant Pumps



A RUTHMAN COMPANY

[www.gusher.com](http://www.gusher.com)



10 12 14  
G.P.M. MEASURED AT DISCHARGE  
Supplied With Plastic Impeller  
Standard. Cast Iron Available  
Upon Request.

Quality  
Pressure

**R**  
RUTHMAN  
COMPANIES



## General Description of **GUSHER** - RUMACO® Pumps

### DESCRIPTION:

'GUSHER-RUMACO'® Pumps can be adapted to many industrial pumping uses. They are rigidly tested and perform efficiently within the limitations of their type and capacity.

### CONSTRUCTION:

The 'GUSHER-RUMACO'® Centrifugal open impeller type Pumps, illustrated in this catalog, are equipped with self-adjusting seals, so that the units can be installed either vertically or horizontally at or below the liquid level. They can be throttled to any desired extent without increasing the load on the motor, and the seals are designed to withstand this fluctuation. Castings on 'GUSHER-RUMACO'® Pumps are sturdily constructed of tested materials. Each has the inherent characteristics of dependability and performance built into all 'GUSHER' products.

### TYPES AND SIZES:

'GUSHER-RUMACO'® Pumps come in two basic types, horizontal and vertical. Both types available in sizes to meet almost any requirement, from 1/10 to 7½ H.P. in direct motor driven, also with Independent Motor per J.I.C. specifications, from ¼ to 7½ H.P.

### MOUNTING FLEXIBILITY:

The Models 1-½-C thru 3-C and Models 00C-8204 thru 5S-4520 pumps are designed for flange mounting. However, these pumps can also be converted to pipe inlet type, by use of one of the available intake adapter plates, and thus can be piped into the reservoir.

### CAUTION:

These pumps should not be operated dry as this will injure the seal. Where excessive amount of abrasive material is present in the liquid to be pumped, we suggest the use of one of our vertical seal-less 'GUSHER PUMPS'.

### REGISTERED:

GUSHER is the registered trade-mark belonging to the Ruthman Pump & Engineering, Inc.

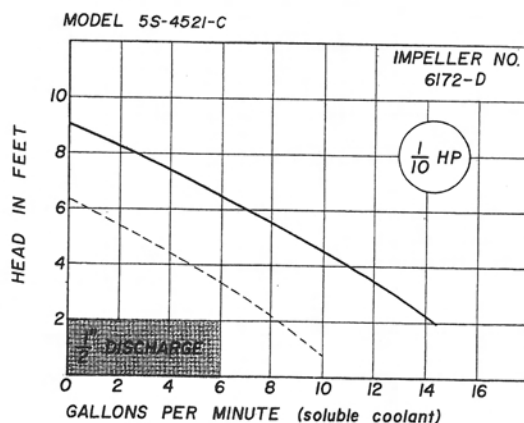
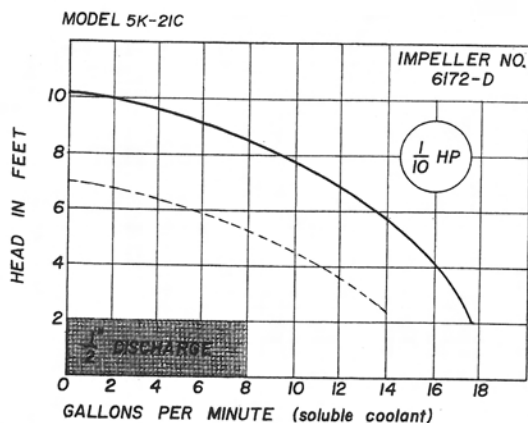
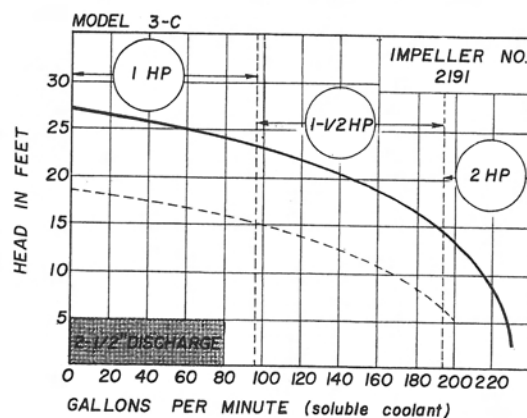
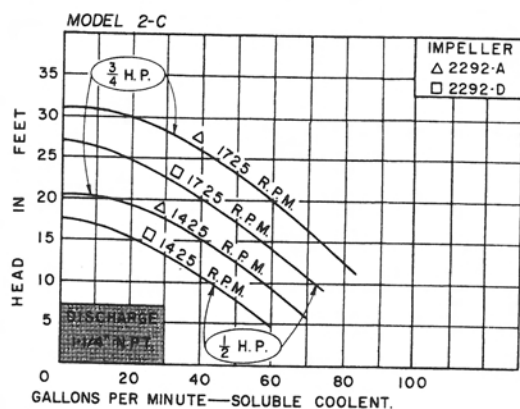
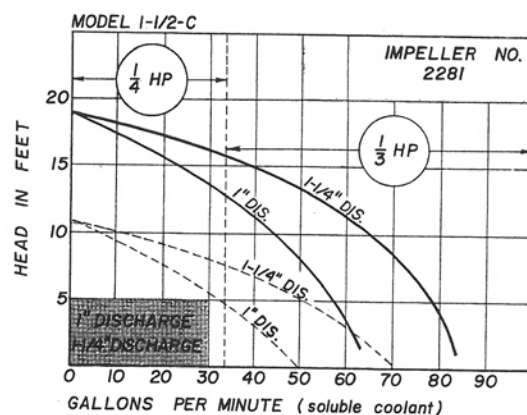
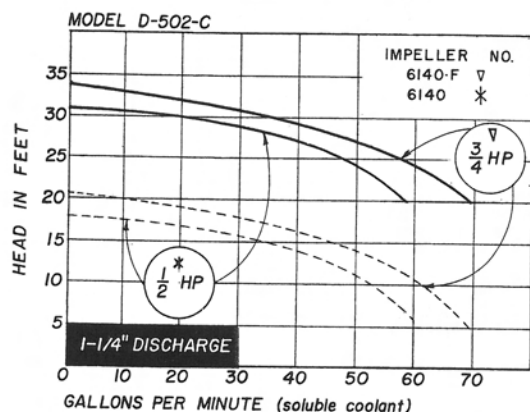
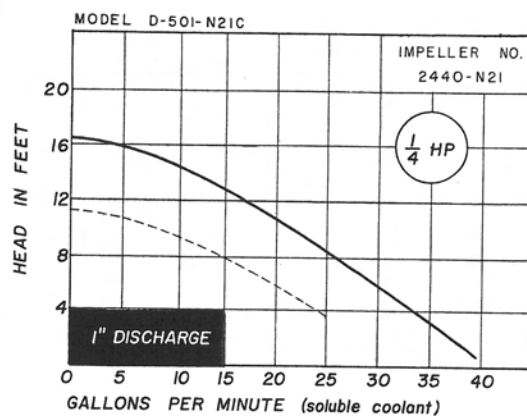
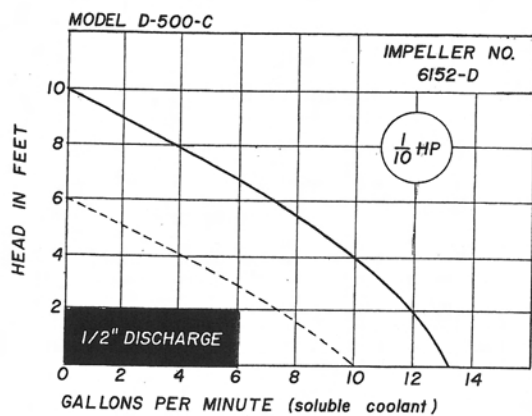
**1725 / 1425 R.P.M.**  
**ON THIS PAGE**

**GUSHER<sup>®</sup> RUMACO<sup>®</sup>**

**GALLONS PER MINUTE—SOLUBLE COOLANT**

Solid line \_\_\_\_\_ 60 cycle

Dotted line ..... 50 cycle



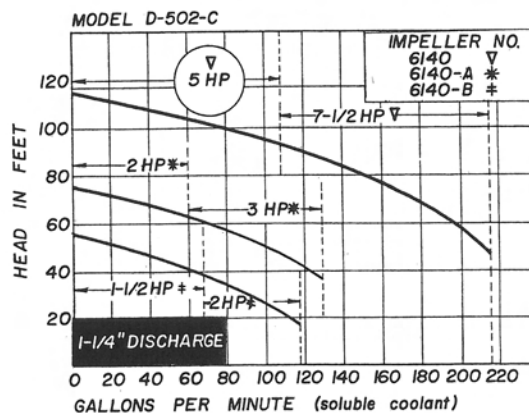
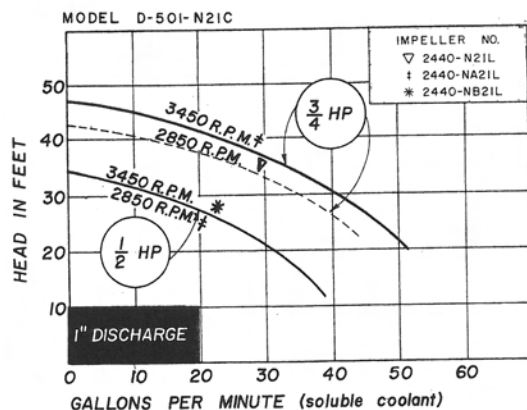
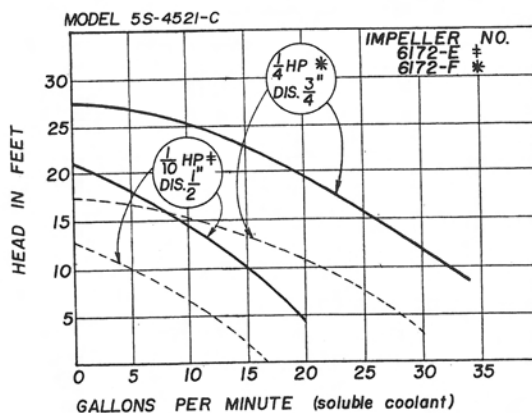
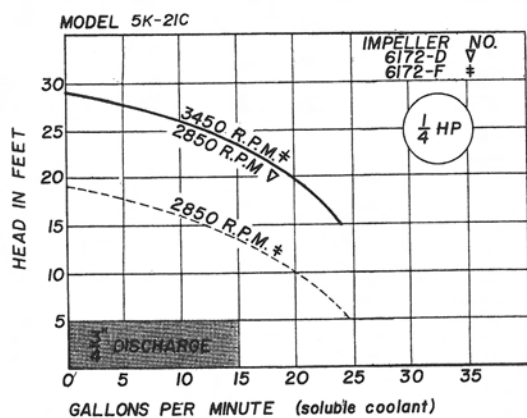
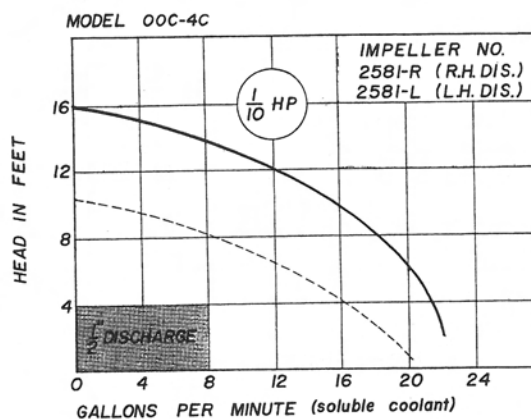
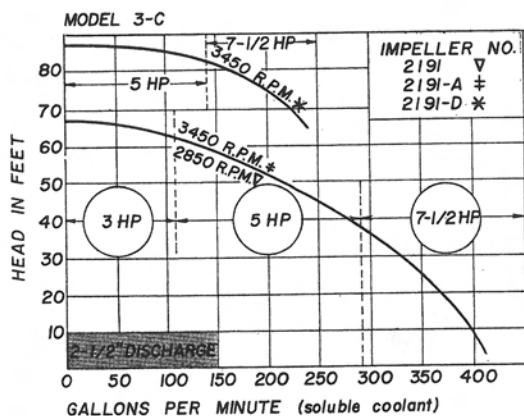
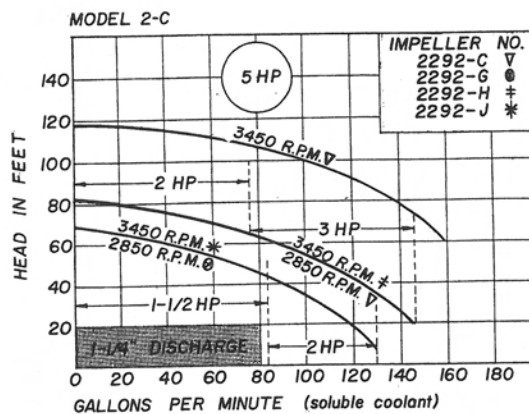
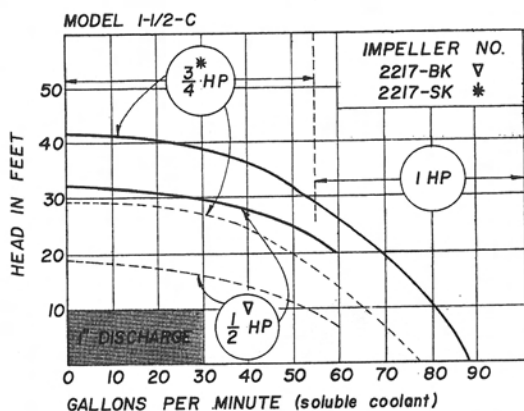
# PERFORMANCE CURVES

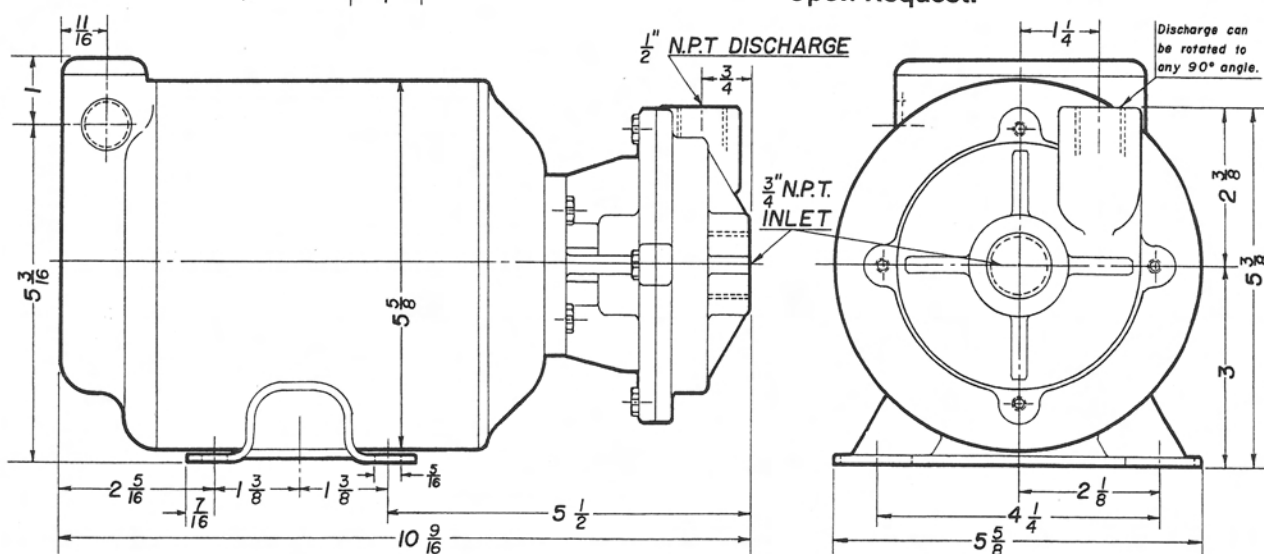
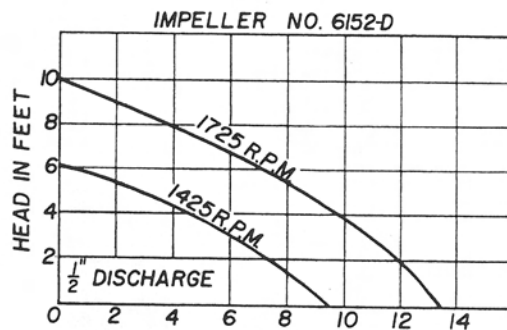
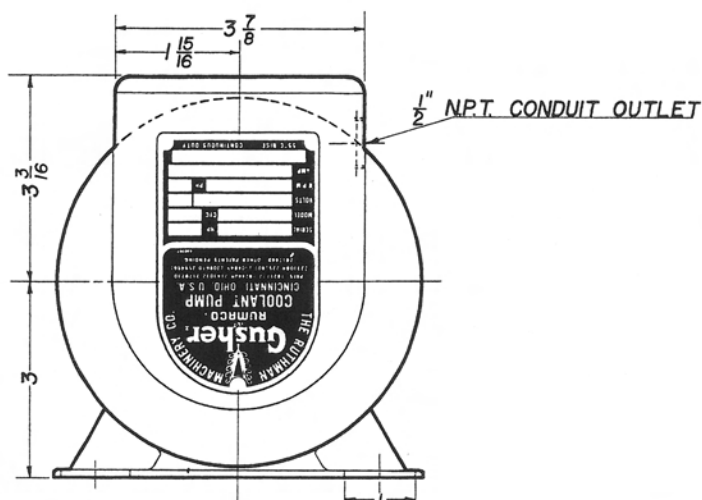
HEAD & G.P.M. MEASURED AT THE DISCHARGE.

3450 / 2850 R.P.M.  
ON THIS PAGE

Solid line \_\_\_\_\_ 60 cycle

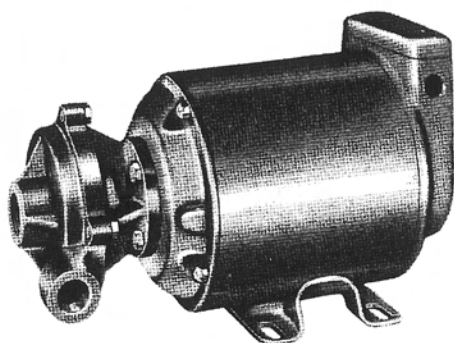
Dotted line ..... 50 cycle





H. P.	VOLTS	PHASE	CYCLE	R. P. M.
1/10	230/460	3	60	1725
1/10	115/230	1	60	1725

NOTE: 208/220/440 VOLTS 50/60 CYCLES—  
220/380 VOLTS 50 CYCLES—550 VOLTS 50/60  
CYCLES SAME DIMENSIONS AS 230/460 VOLTS  
60 CYCLES. OTHER CURRENT CHARACTERISTICS  
AVAILABLE.



## GUSHER®

### RUMACO®

CENTRIFUGAL PUMP

EQUIPPED WITH SELF ADJUSTING SEAL

## MODEL D-500-C

WHEN ORDERING SPECIFY

MODEL D-500-C

IMPELLER NO. 6152D

MOTOR HORSEPOWER

CURRENT CHARACTERISTICS

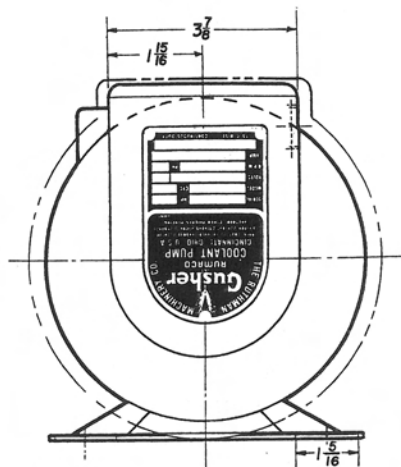
#### STANDARD CONSTRUCTION

Impeller, impeller housing and stem  
housing—Cast iron.

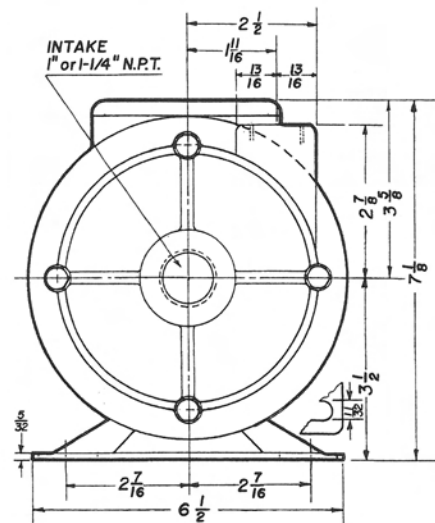
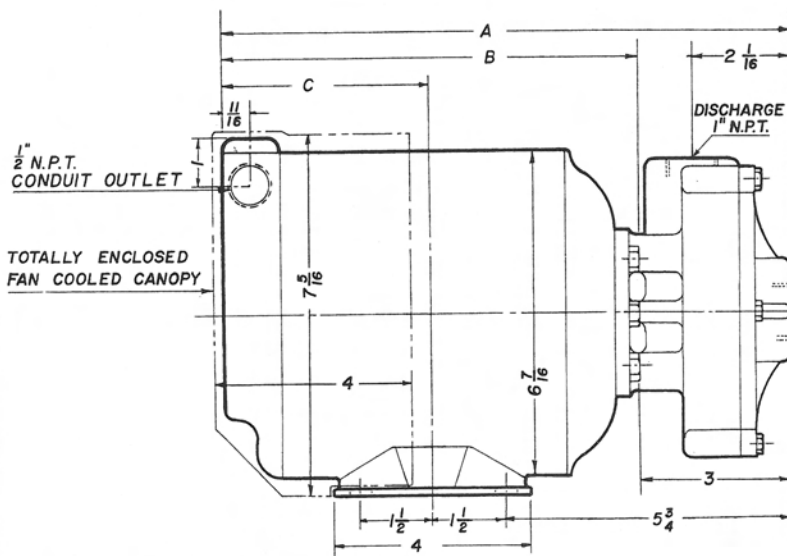
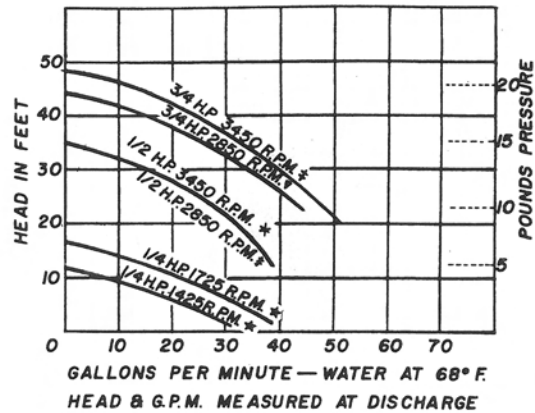
Seal, self adjusting type 6A with  
floating seat;

For use in Trichlorethylene or  
Perchloroethylene specify model  
D-500-TC (teflon seal).

DRAWING NO.  
D-500-C



★ 2440-N2I  
 ▽ 2440-N2IL  
 † 2440-NA2IL  
 \* 2440-NB2IL



H.P.	VOLTS	PHASE	CYCLE	R.P.M.	MOTOR FRAME	DIMENSIONS IN INCHES		
						A	B	C
1/4	230/460	3	60	1725	56	12	9	4 3/4
1/4	115/230	1	60	1725	56	12 7/8	9 7/8	5 5/8
1/2	230/460	3	60	1725	56	13 3/8	10 3/8	6 1/8
1/2 *	115/230	1	60	1725	56	13 1/4	10 1/4	6
1/2	230/460	3	60	3450	56	13 7/8	10 7/8	6 5/8
1/2	115/230	1	60	3450	56	14 11/16	11 11/16	7 7/16
3/4 *	115/230	1	60	3450	56	13 1/4	10 1/4	6
3/4	230/460	3	60	3450	56	14 11/16	11 11/16	7 7/16

\* MUST BE T.E.F.C.

NOTE: 208/220/440 VOLTS 50/60 CYCLES—220/380 VOLTS 50 CYCLES—550 VOLTS 50/60 CYCLES SAME DIMENSIONS AS 230/460 VOLTS 60 CYCLES. EXCEPT SINGLE PHASE. OTHER CURRENT CHARACTERISTICS AVAILABLE.

For use in Trichlorethylene or Perchloroethylene specify model D-50I-TC (teflon seal). Inlet size 1-1/4" N.P.T. (1" only if specified).

**GUSHER®**  
**RUMACO®**

CENTRIFUGAL PUMP  
 EQUIPPED WITH SELF ADJUSTING SEAL

**MODEL D-50I-N2IC**

WHEN ORDERING SPECIFY:

MODEL D-50I-N2IC,

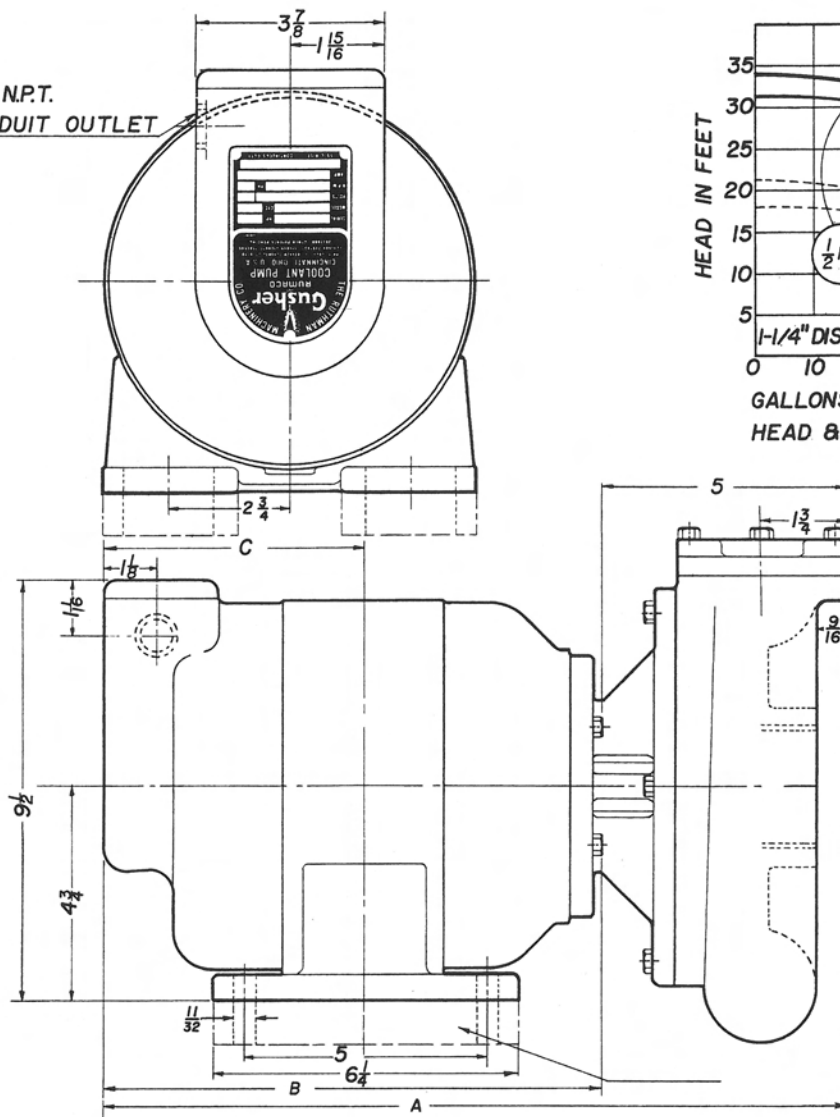
IMPELLER NO. 2440-N2I, 2440-N2IL,

2440-NA2IL OR 2440-NB2IL,

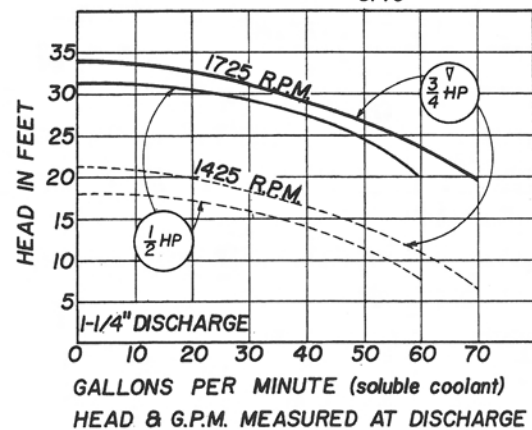
MOTOR HORSE-POWER, R.P.M. AND CURRENT CHARACTERISTICS.

DRAWING NO.  
 D-50I-N2IC

1/2" N.P.T.  
CONDUIT OUTLET



IMPELLER NO. 6140-FV  
6140



DIMENSIONS IN INCHES					
A		B		C	
HORSEPOWER OF MOTOR					
1/2	3/4	1/2	3/4	1/2	3/4
15 1/8	16 7/16	10 1/8	11 7/16	5 3/8	6 1/16

The above dimensions are for standard motors, 220/440\*Volts 50 or 60 Cycle 2 or 3 Phase.

\*AVAILABLE IN 230/460.

## GUSHER® RUMACO®

CENTRIFUGAL PUMP

EQUIPPED WITH SELF ADJUSTING SEAL

### MODEL D-502-C

WHEN ORDERING SPECIFY

MODEL D-502-C

IMPELLER NO. 6140, 6140-F

MOTOR HORSEPOWER, 1/2 or 3/4, CURRENT CHARACTERISTICS

PUMP AVAILABLE IN ALL STANDARD VOLTAGES 2 or 3 PHASE, 50 or 60 CYCLE 1425 or 1725 R.P.M.

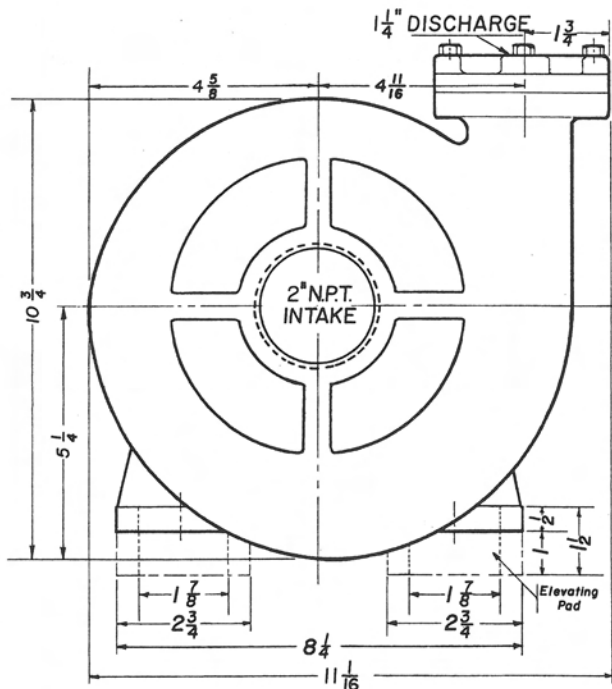
1 PHASE AND D.C. AVAILABLE UPON REQUEST.

STANDARD CONSTRUCTION.

SELF ADJUSTING SEAL, IMPELLER HOUSING

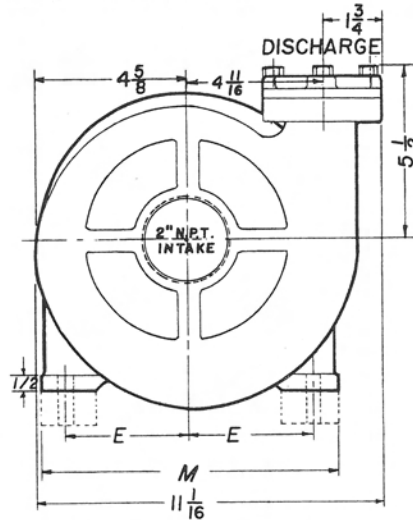
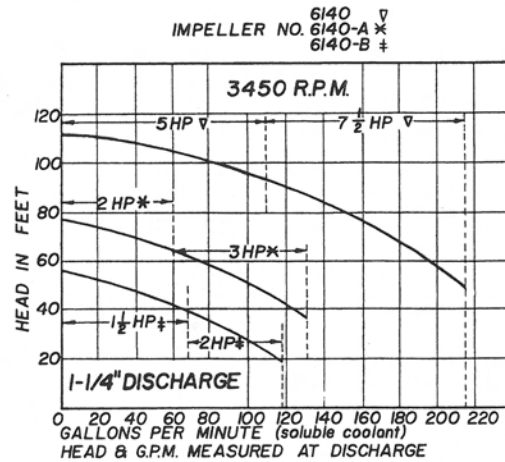
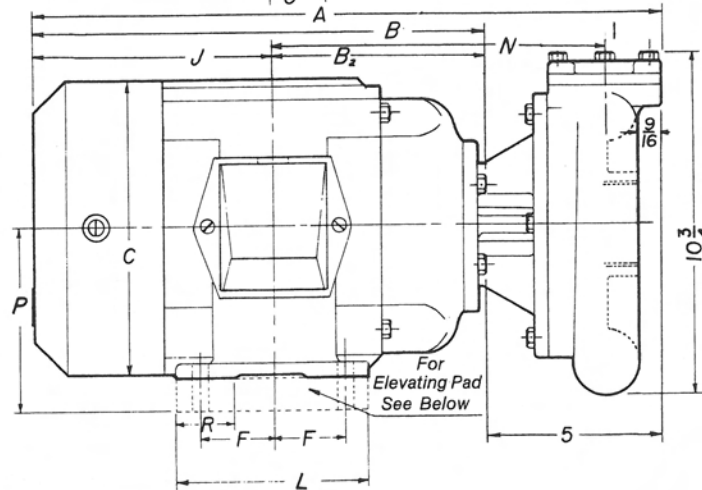
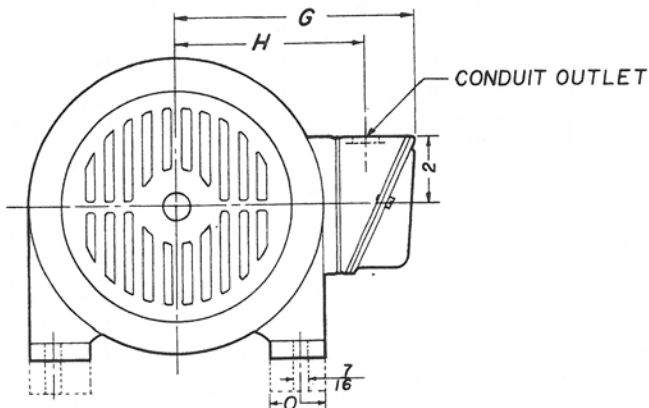
IMPELLER AND STEM, CAST IRON.

BRONZE AND OTHER MATERIALS AVAILABLE ONLY IF SPECIFIED.



DRAWING NO.  
D-502-C





H. P.	VOLTS	PH.	CY.	R. P. M.	MOTOR FRAME	DIMENSIONS																	IN				INCHES			
						A	B	B <sub>2</sub>	C	E	F	G	H	J	L	M	N	O	P	R										
1 $\frac{1}{2}$	$\frac{230}{460}$	3	60	3450	143T	17 $\frac{1}{4}$	12 $\frac{1}{4}$	6 $\frac{1}{2}$	7 $\frac{5}{16}$	2 $\frac{3}{4}$	2	5 $\frac{3}{4}$	4 $\frac{9}{16}$	5 $\frac{3}{4}$	4 $\frac{7}{8}$	6 $\frac{1}{2}$	9 $\frac{3}{4}$	1	5 $\frac{1}{2}$	1										
2	$\frac{230}{460}$	3	60	3450	145T	18 $\frac{1}{4}$	13 $\frac{1}{4}$	7	7 $\frac{5}{16}$	2 $\frac{3}{4}$	2 $\frac{1}{2}$	5 $\frac{3}{4}$	4 $\frac{9}{16}$	6 $\frac{1}{4}$	5 $\frac{7}{8}$	6 $\frac{1}{2}$	10 $\frac{1}{4}$	1	5 $\frac{1}{2}$	1										
3	$\frac{230}{460}$	3	60	3450	182T	18 $\frac{3}{4}$	13 $\frac{3}{4}$	6 $\frac{15}{16}$	9 $\frac{3}{8}$	3 $\frac{3}{4}$	2 $\frac{1}{4}$	7 $\frac{1}{4}$	5 $\frac{3}{4}$	6 $\frac{13}{16}$	6	9	10 $\frac{3}{16}$	1 $\frac{3}{4}$	5 $\frac{1}{2}$	1 $\frac{7}{8}$										
5	$\frac{230}{460}$	3	60	3450	184T	19 $\frac{3}{4}$	14 $\frac{3}{4}$	7 $\frac{7}{16}$	9 $\frac{3}{8}$	3 $\frac{3}{4}$	2 $\frac{1}{4}$	7 $\frac{1}{4}$	5 $\frac{3}{4}$	7 $\frac{5}{16}$	7	9	10 $\frac{11}{16}$	1 $\frac{3}{4}$	5 $\frac{1}{2}$	1 $\frac{7}{8}$										
7 $\frac{1}{2}$	$\frac{230}{460}$	3	60	3450	213T	20 $\frac{1}{8}$	15 $\frac{1}{8}$	7	10 $\frac{7}{8}$	4 $\frac{1}{2}$	2 $\frac{3}{4}$	9 $\frac{1}{8}$	7 $\frac{1}{8}$	8 $\frac{1}{8}$	7	10 $\frac{1}{2}$	10 $\frac{1}{4}$	2	5 $\frac{3}{4}$	1 $\frac{7}{8}$										

NOTE: 208/220/440 VOLTS 50/60 CYCLE — 220/380 VOLTS 50 CYCLE — 550 VOLTS 50/60 CYCLE SAME DIMENSIONS AS 230/460 VOLTS 60 CYCLE. EXCEPT SINGLE PHASE. OTHER CURRENT CHARACTERISTICS AVAILABLE.

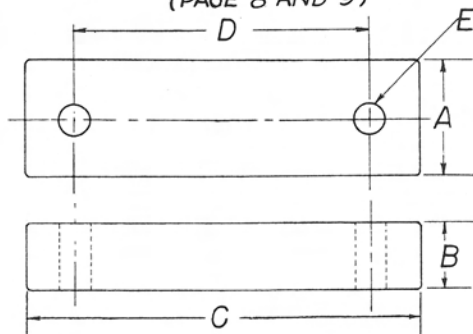
#### STANDARD CONSTRUCTION

Cast iron impeller housing, impeller and stem. Seal, self adjusting type 21. For use in Perchloroethylene or Trichloroethylene specify model D-502-TC (teflon seal). Bronze and other materials available upon request only.

**GUSHER®**  
**RUMACO®**  
CENTRIFUGAL PUMP  
EQUIPPED WITH SELF ADJUSTING SEAL  
**MODEL D-502-C**  
WHEN ORDERING SPECIFY  
MODEL D-502-C  
MOTOR HORSEPOWER &  
CURRENT CHARACTERISTICS  
DISCHARGE PIPE SIZE 1-1/4"  
IMPELLER NO. 6140 (5 & 7 1/2 HP),  
6140-A (3 HP), 6140-B (1 1/2 & 2 HP)

#### ELEVATING PADS FOR MODEL D-502-C

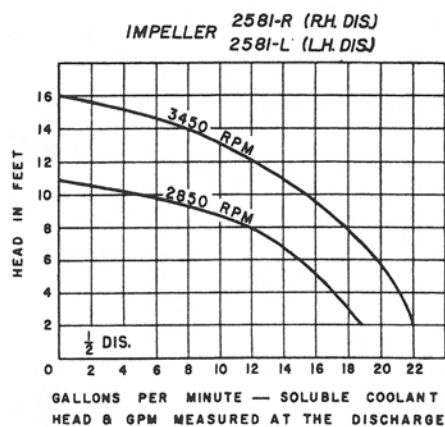
(PAGE 8 AND 9)



ALL DIMENSIONS IN INCHES

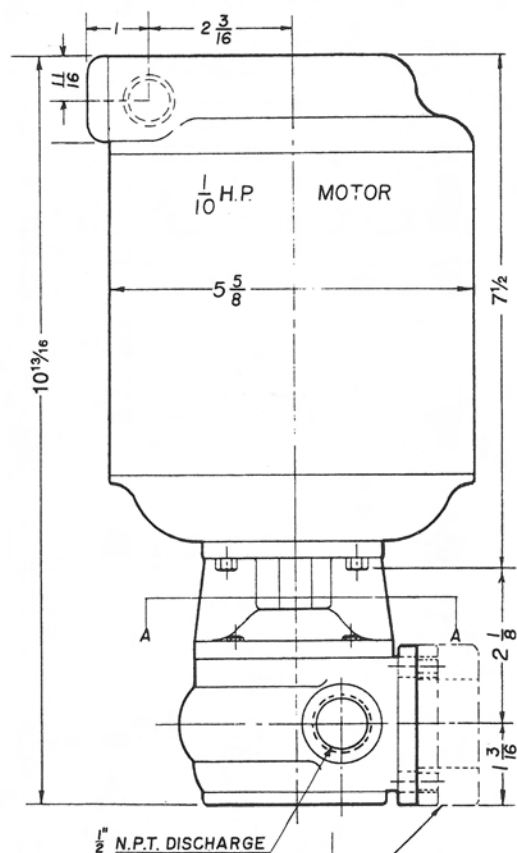
H. P.	R. P. M.	FRAME	ELEVATING PAD NO.	A	B	C	D	E
1 1/2	1725	66	6231	2 3/4	7/16	6 1/4	5	7/16
1 1/2	3450	143T	6273	1	2	4 7/16	4	11/32
2	3450	145T	6274	1	2	5 7/8	5	11/32
3	3450	182T	6232	1 3/4	1	6	4 1/2	7/16
5	3450	184T	6233	1 3/4	1	7	5 1/2	7/16
7 1/2	3450	213T	6234	2	1/2	7 1/4	5 1/2	7/16

DRAWING NO.  
D-502-C



H P.	VOLTS	PHASE	CYCLE	R. P. M.
1/10	230/460	3	60	3450
1/10	115/230	1	60	3450

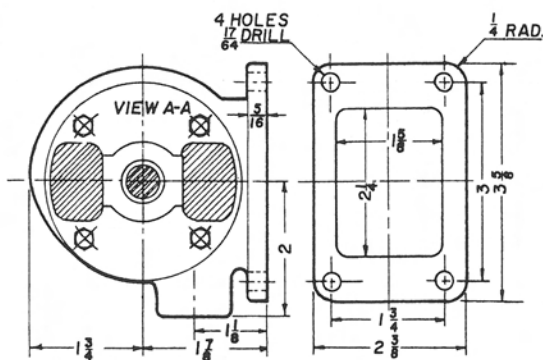
NOTE: 208/220/440 VOLTS 50/60 CYCLES—  
220/380 VOLTS 50 CYCLES—550 VOLTS 50/60  
CYCLES SAME DIMENSIONS AS 230/460 VOLTS  
60 CYCLES. OTHER CURRENT CHARACTERISTICS  
AVAILABLE.



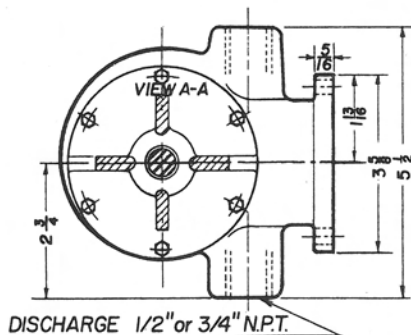
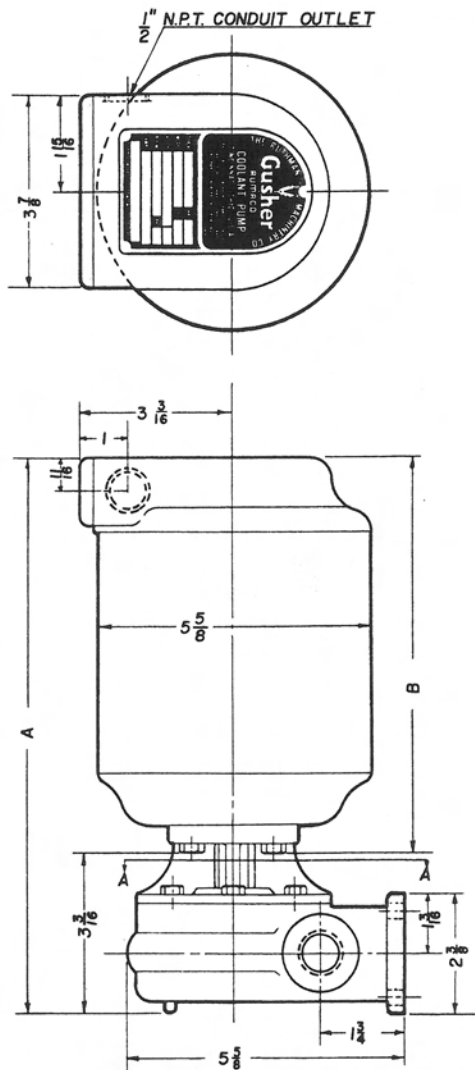
INTAKE ADAPTER PLATE  
NO. 2319 1-1/4" N.P.T.  
FURNISHED ONLY UPON  
REQUEST (see page no. 176)

FOR USE IN PERCHLORETHYLENE OR  
TRICHLORETHYLENE PLEASE ADD SUFFIX  
'TC' AFTER MODEL OOC 'OOC-TC'

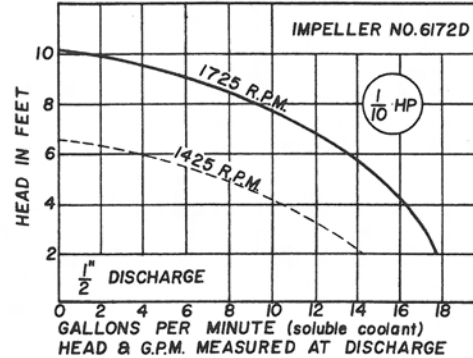
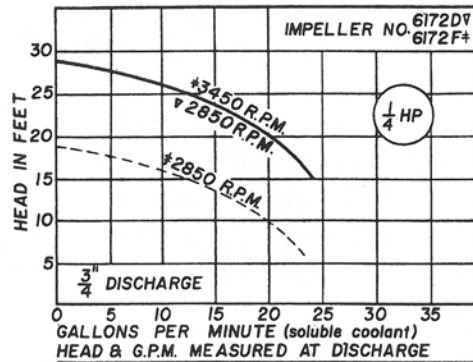
**Standard construction, Cast iron impeller housing, stem housing and carbon steel shaft.**



DRAWING NO.  
OOC-4C

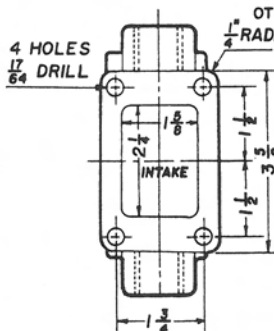


FOR USE IN TRICHLOROETHYLENE  
OR PERCHLOROETHYLENE ADD  
SUFFIX "TC" TO PUMP MODEL NO.



H. P.	VOLTS	PH.	CY.	R.P.M.	FRAME	DIMENSIONS	
						A	B
1/10	230/460	3	60	1725	48	10 11/16	7 1/2
1/10	115/230	1	60	1725	48	10 11/16	7 1/2
1/4	230/460	3	60	3450	48	10 11/16	7 1/2
1/4	115/230	1	60	3450	48	10 11/16	7 1/2

NOTE: 208/220/440 VOLTS 50/60 CYCLE—220/380  
VOLTS 50 CYCLE—550 VOLTS 50/60 CYCLE SAME  
DIMENSIONS AS 230/460 VOLTS 60 CYCLE.  
OTHER CURRENT CHARACTERISTICS AVAILABLE.



Supplied With Plastic Impeller  
Standard. Cast Iron Available  
Upon Request.

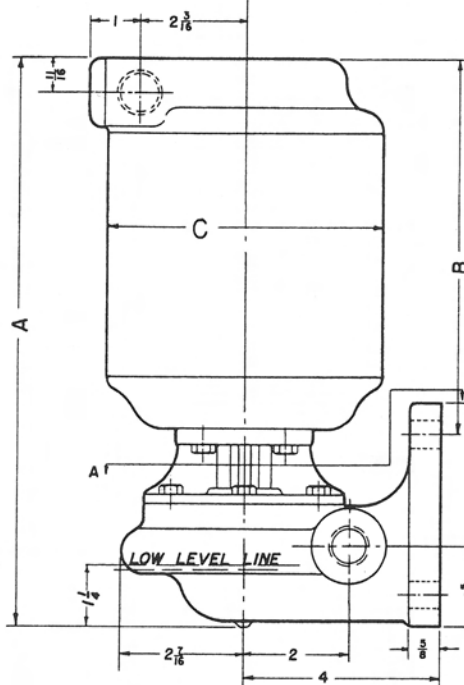
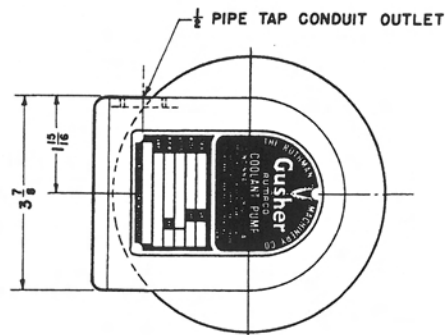
**GUSHER<sup>®</sup>**  
**RUMACO<sup>®</sup>**

CENTRIFUGAL PUMP  
EQUIPPED WITH SELF ADJUSTING SEAL

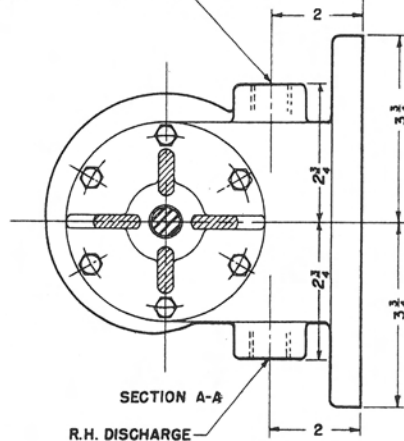
**MODEL 5K-21C**

WHEN ORDERING SPECIFY  
MODEL 5K-21C  
IMPELLER NO. 6172D, 6172F  
MOTOR HORSEPOWER &  
CURRENT CHARACTERISTICS  
DISCHARGE PIPE SIZE

DRAWING NO.  
5K-21C

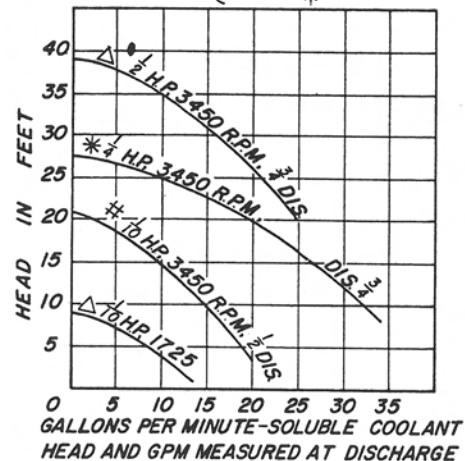


1/2" OR 3/4" N.P.T., L.H. DISCHARGE



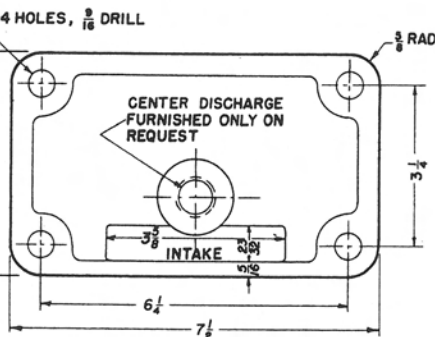
SECTION A-A  
R.H. DISCHARGE

IMPELLER { 6172-D △  
6172-E #  
6172-F \*



H.P.	VOLTS	PH.	CY.	R.P.M.	FRAME	DIMENSIONS IN INCHES		
1/10	230/460	3	60	1725	48	11 1/2	7	5 5/8
	115/230	1		1725				
	230/460	3		3450				
	115/230	1		3450				
1/4	230/460	3	60	3450	48	12 3/8	7	
1/4	115/230	1	60	3450	48	13 3/8	7	

NOTE: 208/220/440 VOLTS 50/60 CYCLES—  
220/380 VOLTS 50 CYCLES—550 VOLTS 50/60 CYCLES SAME  
DIMENSIONS AS 230/460 VOLTS 60 CYCLES. OTHER CURRENT  
CHARACTERISTICS AVAILABLE.



Supplied With Plastic Impeller  
Standard. Cast Iron Available  
Upon Request.

**GUSHER**  
**RUMACO**®

CENTRIFUGAL PUMP  
EQUIPPED WITH SELF ADJUSTING SEAL

MODEL NO 5S-452I-C

WHEN ORDERING SPECIFY

MODEL NO. 5S-452I-C

IMPELLER NUMBER 6172 D, E, OR F.

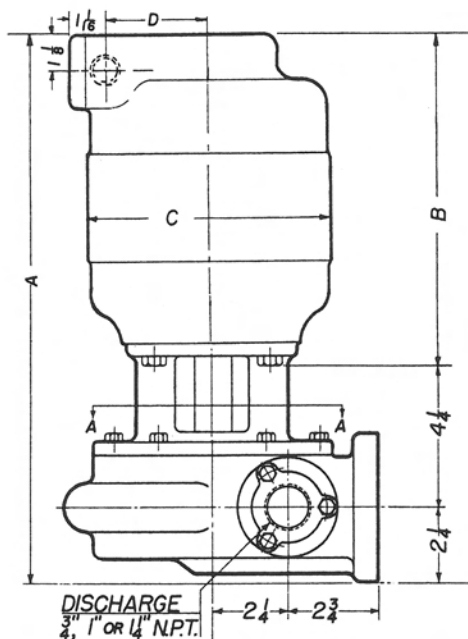
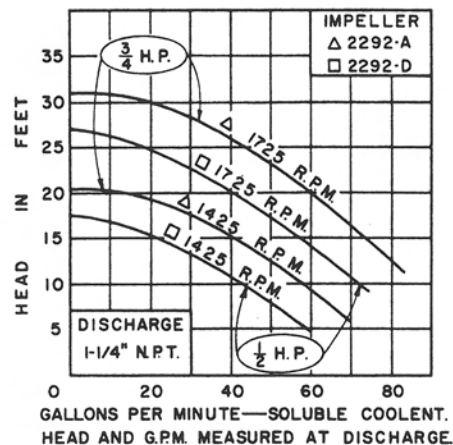
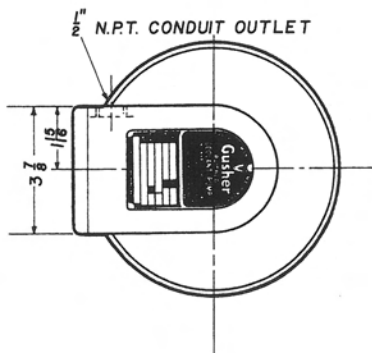
RIGHT HAND, LEFT HAND, OR  
CENTER DISCHARGE.

MOTOR HORSEPOWER &  
CURRENT CHARACTERISTICS.

● NOTE: WHEN 1/2 H.P. 3450 R.P.M. IS REQUIRED WRITE  
FOR DIMENSIONAL PRINTS.

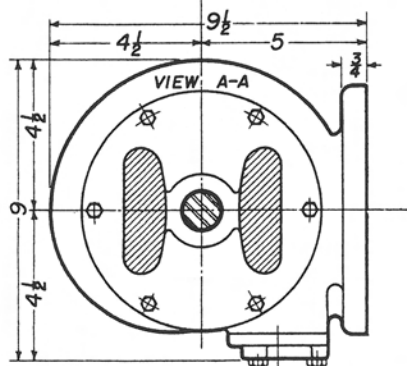
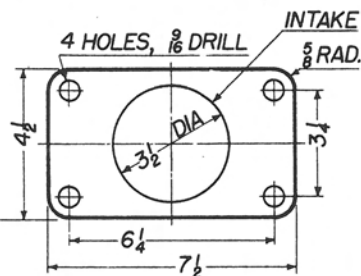
DRAWING NO.  
5S-452I-PC





ALTERNATING CURRENT	VOLTAGE	PHASE	CYCLE	R. P. M.	DIMENSIONS IN INCHES								
					A		B		C		D		
					HORSEPOWER				OF MOTOR				
					$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	
220	440*	2	50	1425		19 $\frac{7}{16}$		11 $\frac{3}{4}$		6 $\frac{7}{16}$	7 $\frac{1}{2}$	2 $\frac{5}{8}$	3 $\frac{1}{16}$
220	380	or			16 $\frac{15}{16}$		11 $\frac{3}{4}$						
or	550	3	60	1725		17 $\frac{15}{16}$		11 $\frac{3}{4}$					

\* AVAILABLE IN 230/460.



INTAKE ADAPTER  
 PLATE \*2328-2  
 $\frac{1}{2}$ " OR 2" N.P.T.  
 FURNISHED ONLY  
 ON REQUEST.

**GUSHER**

**RUMACO**

CENTRIFUGAL PUMP  
 EQUIPPED WITH SELF ADJUST-  
 ING MECHANICAL SEAL

**MODEL 2-C**

WHEN ORDERING SPECIFY  
 MODEL 2-C

R.H. DISCHARGE (AS SHOWN)

L.H. DISCHARGE (OPPOSITE)

DISCHARGE PIPE SIZE  $\frac{3}{4}$ , 1" OR 1  $\frac{1}{2}$ "

IMPELLER NO.

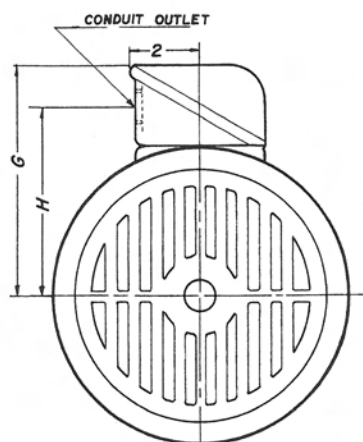
MOTOR HORSE POWER &

CURRENT CHARACTERISTICS

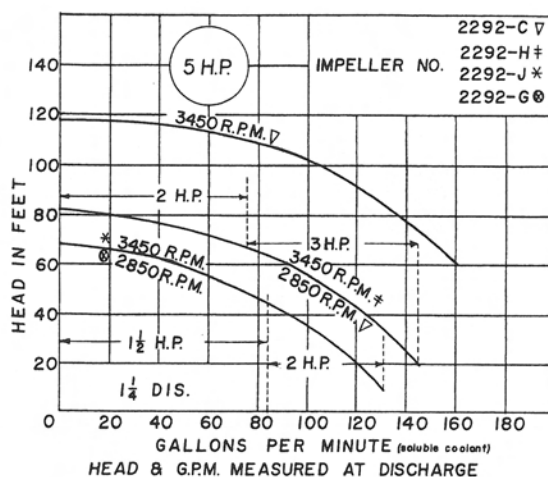
DRAWING NO.

2-C



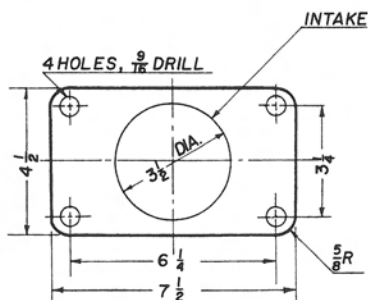
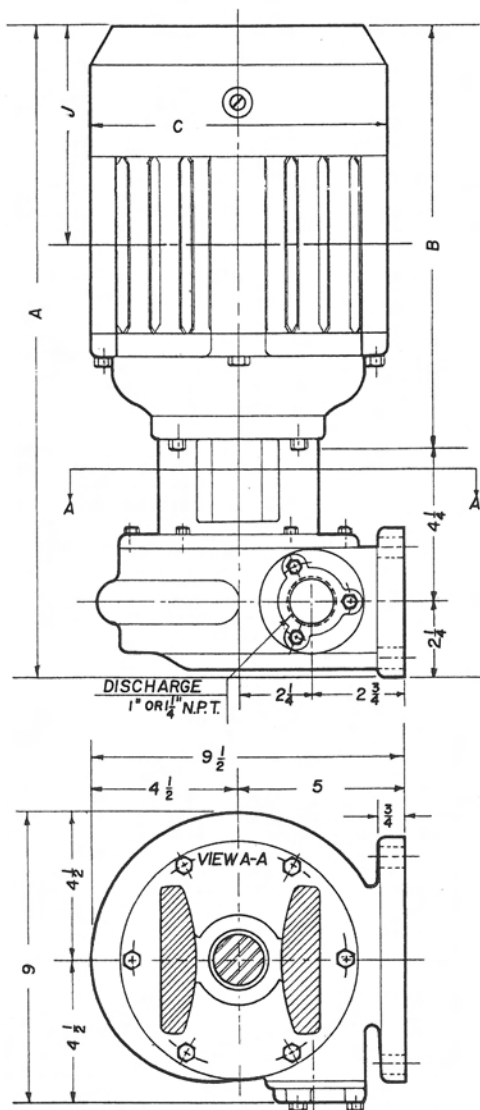


CONDUIT BOX CAN BE LOCATED  
AT ANY 90° ANGLE IN RELATION  
TO MOUNTING FLANGE.



H. P.	VOLTS	PH.	CY.	R.P.M.	FRAME SIZE	DIMENSIONS					
						A	B	C	G	H	J
1 1/2	230/460	3	60	3450	143T	18 3/4	11 1/2	7 5/16	5 3/4	4 9/16	5 3/4
2	230/460	3	60	3450	145T	19 3/4	12 3/4	7 5/16	5 3/4	4 9/16	6 1/4
3	230/460	3	60	3450	182T	20 1/4	13 1/4	9 3/8	7 1/4	5 3/4	6 13/16
5	230/460	3	60	3450	184T	21 1/4	14 1/2	9 3/8	7 1/4	5 3/4	7 5/16

NOTE: 208/220/440 VOLTS 50/60 CYCLE — 220/380 VOLTS 50 CYCLE — 550 VOLTS  
50/60 CYCLE SAME DIMENSIONS AS 230/460 VOLTS 60 CYCLE. EXCEPT  
SINGLE PHASE. OTHER CURRENT CHARACTERISTICS AVAILABLE.



**GUSHER®**  
**RUMACO®**  
CENTRIFUGAL PUMP

EQUIPPED WITH SELF ADJUSTING SEAL

**MODEL 2-C**  
WHEN ORDERING SPECIFY  
MODEL 2-C

R.H. DISCHARGE (as shown)

L.H. DISCHARGE (opposite)

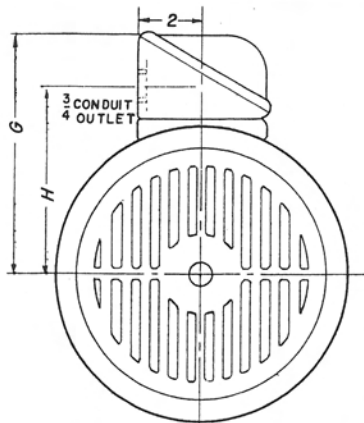
DISCHARGE PIPE SIZE

IMPELLER NO.

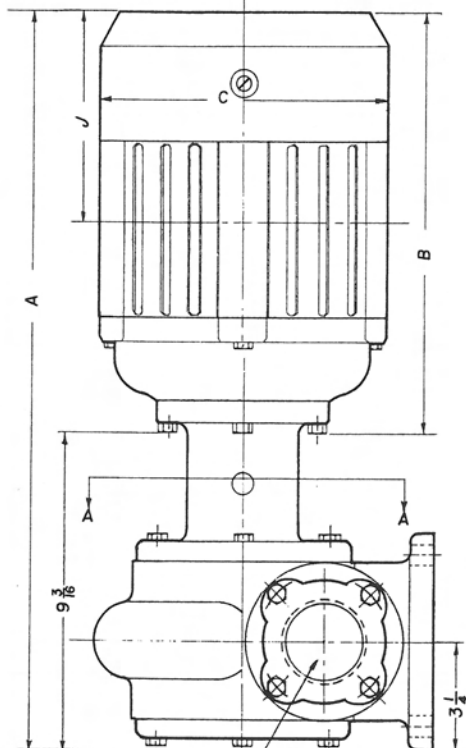
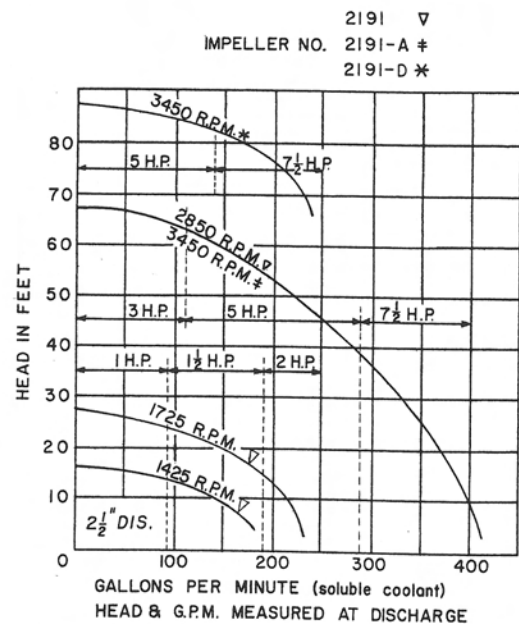
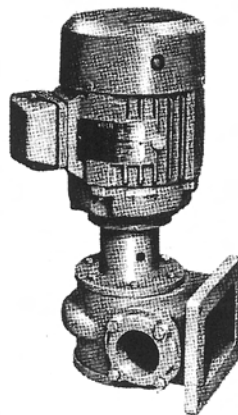
MOTOR HORSEPOWER &

CURRENT CHARACTERISTIC

DRAWING NO.  
**2-C**

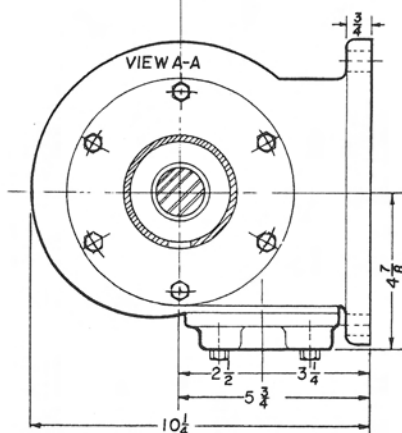
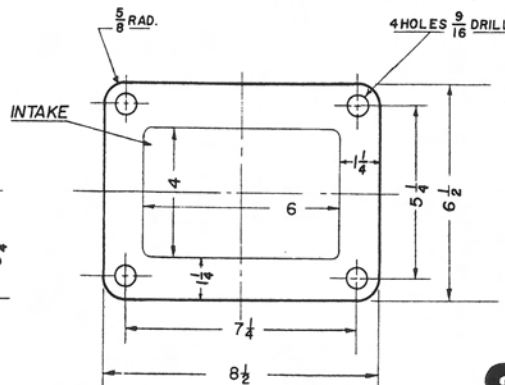


CONDUIT BOX CAN BE LOCATED AT ANY 90° ANGLE IN RELATION TO MOUNTING FLANGE.



H.P.	VOLTS	PH.	CY.	R.P.M.	FRAME SIZE	DIMENSIONS IN INCHES	A	B	C	G	H	J
1	230/460	3	60	1725	143T	21 7/16	11 1/8	7 5/16	5 3/4	4 9/16	5 3/4	
1 1/2	230/460	3	60	1725	145T	22 7/16	11 1/8	7 5/16	5 3/4	4 9/16	6 1/4	
2	230/460	3	60	1725	145T	22 7/16	12 3/8	7 5/16	5 3/4	4 9/16	6 1/4	
3	230/460	3	60	1725	182T	22 15/16	13 1/4	9 3/8	7 1/4	5 3/4	6 13/16	
5	230/460	3	60	1725	184T	23 15/16	14 1/2	9 3/8	7 1/4	5 3/4	7 5/16	
7 1/2	230/460	3	6	1725	213T	24 5/16	16	10 7/8	9 1/8	7 1/8	8 1/8	

NOTE: 208/220/440 VOLTS 50/60 CYCLE—220/380 VOLTS 50 CYCLES—550 VOLTS 50/60 CYCLES SAME DIMENSIONS AS 230/460 VOLTS 60 CYCLES. EXCEPT SINGLE PHASE. OTHER CURRENT CHARACTERISTICS AVAILABLE.



**GUSHER**  
**RUMACO®**

CENTRIFUGAL PUMP  
EQUIPPED WITH SELF ADJUSTING SEAL

**MODEL 3-C**

WHEN ORDERING SPECIFY

MODEL 3-C

R.H. DISCHARGE as shown

L.H. DISCHARGE opposite

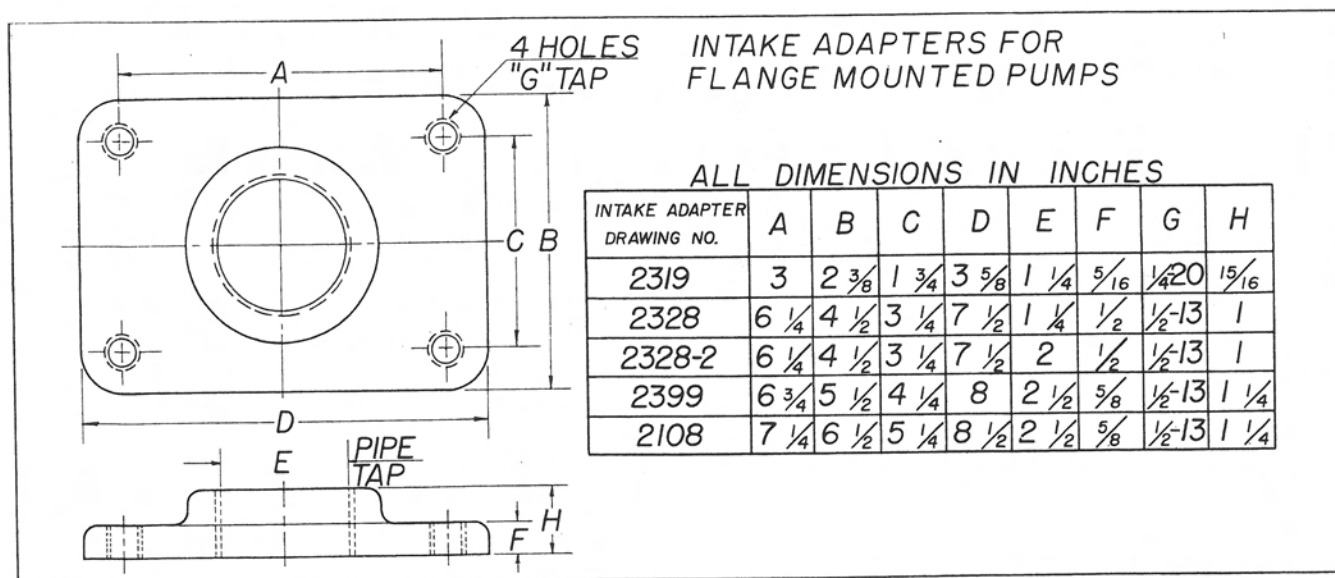
DISCHARGE PIPE SIZE 1 1/2, 2" or 2 1/2"

MOTOR HORSEPOWER &

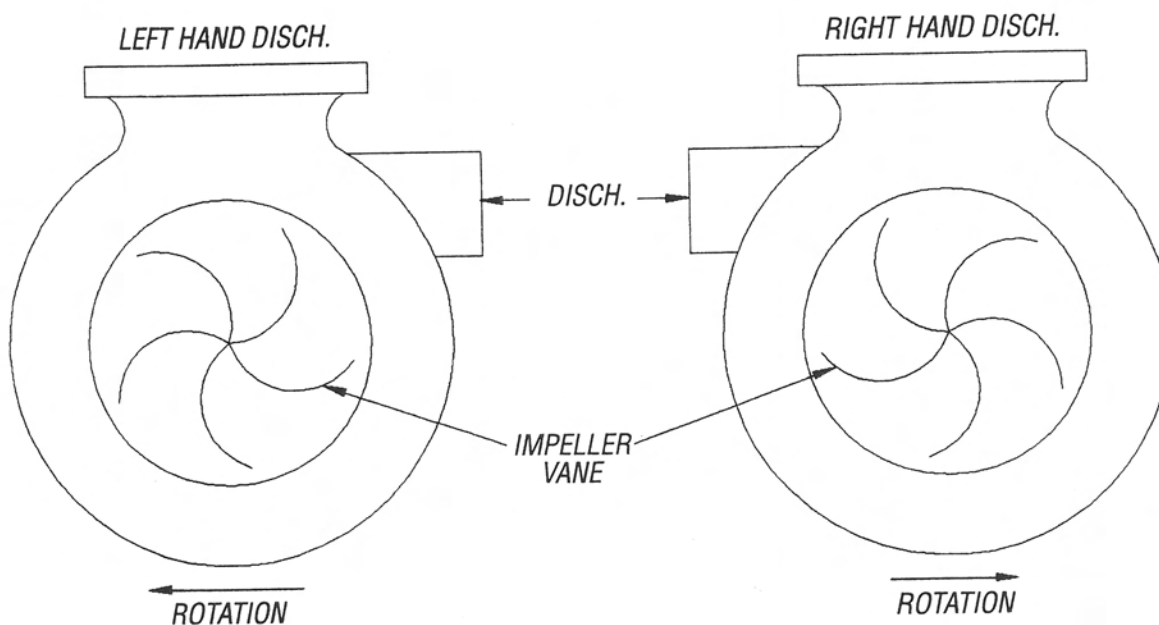
CURRENT CHARACTERISTICS

TO REVERSE DISCHARGE LOCATION SEE PAGE 178

DRAWING NO.  
3-C



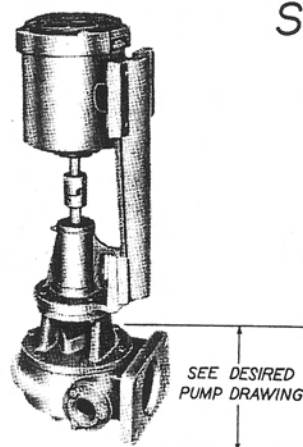
TO SWITCH ROTATION ON MODELS 11024, 11022, 3C, 1 $\frac{1}{2}$ C, 11023B, 11022C



TO GO FROM R.H. DISCH. TO L.H. DISCH.

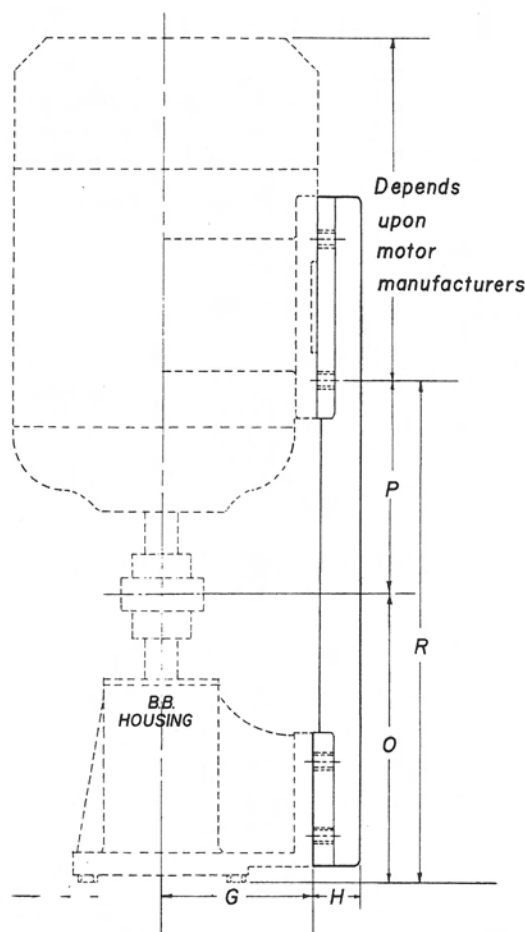
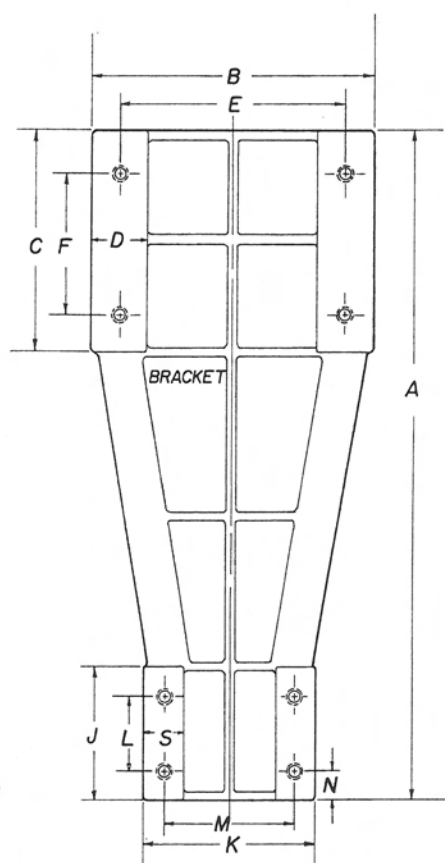
1. REMOVE SUCTION COVER
2. FLIP HOUSING OVER
3. FLIP IMPELLER OVER
4. INSTALL SUCTION COVER
5. REVERSE SHAFT ROTATION

# MOTOR BASE BRACKET TO MEET J.I.C. SPECIFICATIONS



For vertical pumps requiring standard NEMA foot mounted motors to meet J.I.C. specifications, Ruthman Pump & Engineering has developed a complete line of vertical base brackets which may be adapted to any standard pump 1/4 H.P. and larger illustrated in this catalog.

The photo at the left shows Model 2-C converted to Model 2-C-CM. When ordering for these specifications add suffix "CM" to pump model number. Individual prints are available upon request.

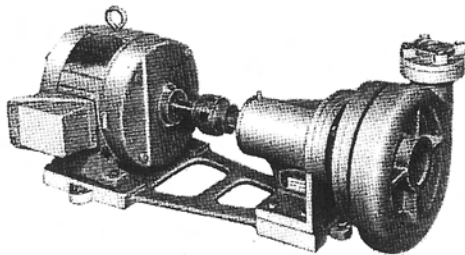


DIMENSIONS IN INCHES

MOTOR FRAME SIZE	BRACKET & DRW'G NUMBER	B.B. HOUSING & DRW'G NUMBER	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
48	6194	6193	14 $\frac{5}{32}$	5 $\frac{3}{4}$	3 $\frac{5}{8}$	1 $\frac{7}{16}$	4 $\frac{1}{4}$	2 $\frac{3}{4}$	3	1 $\frac{3}{8}$	3	4	1 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{3}{4}$	7 $\frac{5}{8}$	4 $\frac{5}{16}$	11 $\frac{15}{16}$	7 $\frac{7}{8}$
56	6191	6190	15 $\frac{9}{32}$	6 $\frac{5}{8}$	4 $\frac{3}{8}$	1 $\frac{11}{16}$	4 $\frac{7}{8}$	3	3 $\frac{1}{2}$	1 $\frac{3}{8}$	3	4	1 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{3}{4}$	7 $\frac{5}{8}$	4 $\frac{15}{16}$	12 $\frac{9}{16}$	7 $\frac{7}{8}$
56	6191	6192	15 $\frac{9}{32}$	6 $\frac{5}{8}$	4 $\frac{3}{8}$	1 $\frac{11}{16}$	4 $\frac{7}{8}$	3	3 $\frac{1}{2}$	1 $\frac{3}{8}$	3	4	1 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{3}{4}$	8 $\frac{3}{16}$	4 $\frac{15}{16}$	13 $\frac{1}{8}$	7 $\frac{7}{8}$
143T	6179T	6199	17	7	6 $\frac{1}{8}$	1 $\frac{1}{2}$	5 $\frac{1}{2}$	4	3 $\frac{1}{2}$	1 $\frac{3}{8}$	3	4	1 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{3}{4}$	9 $\frac{1}{4}$	4 $\frac{13}{16}$	14 $\frac{1}{8}$	7 $\frac{7}{8}$
145T	6179T	6199	17	7	6 $\frac{1}{8}$	1 $\frac{1}{2}$	5 $\frac{1}{2}$	5	3 $\frac{1}{2}$	1 $\frac{3}{8}$	3	4	1 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{3}{4}$	9 $\frac{1}{4}$	4 $\frac{13}{16}$	14 $\frac{1}{8}$	7 $\frac{7}{8}$
182T	6189T	6188	20	9 $\frac{1}{16}$	7 $\frac{1}{2}$	1 $\frac{3}{4}$	7 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{5}{8}$	4	5 $\frac{1}{4}$	2 $\frac{1}{4}$	4	$\frac{5}{8}$	9 $\frac{1}{4}$	5 $\frac{13}{16}$	15 $\frac{1}{16}$	1 $\frac{1}{4}$
184T	6189T	6188	20	9 $\frac{1}{16}$	7 $\frac{1}{2}$	1 $\frac{3}{4}$	7 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{5}{8}$	4	5 $\frac{1}{4}$	2 $\frac{1}{4}$	4	$\frac{5}{8}$	9 $\frac{1}{4}$	5 $\frac{13}{16}$	15 $\frac{1}{16}$	1 $\frac{1}{4}$
213T	6187T	6186	22 $\frac{3}{4}$	10 $\frac{3}{8}$	8 $\frac{1}{2}$	2	8 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{4}$	1 $\frac{5}{8}$	4	5 $\frac{1}{4}$	2 $\frac{1}{4}$	4	$\frac{5}{8}$	9 $\frac{1}{4}$	7 $\frac{3}{16}$	16 $\frac{7}{16}$	1 $\frac{1}{4}$

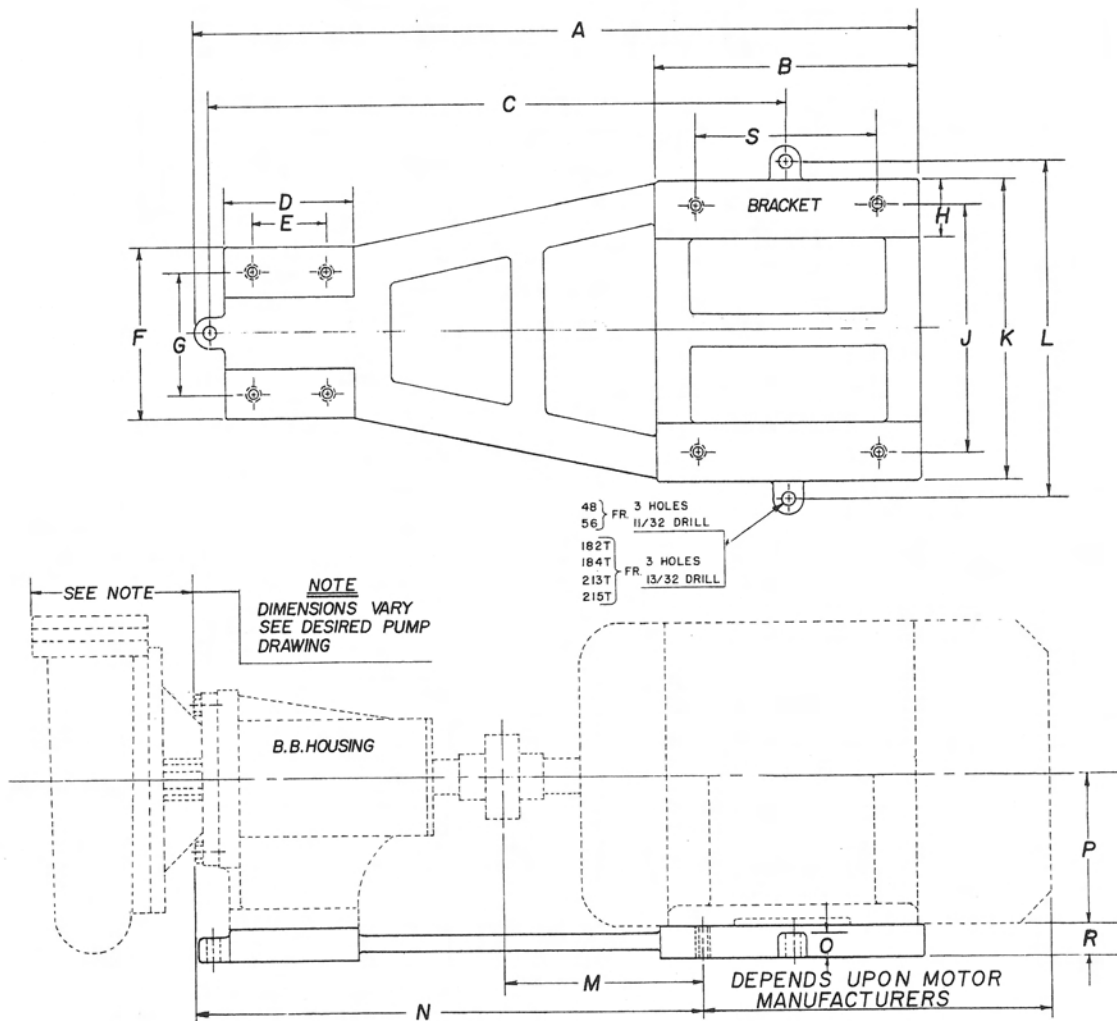
48 FRAME MOTORS 1/4 THRU 3/4 H.P., 3450 R.P.M. — 56 FRAME 1/4 THRU 3/4 1725 R.P.M.  
 143T FRAME 1 H.P., 1725 R.P.M. AND 1-1/2 H.P., 3450 R.P.M. — 145T FRAME 1-1/2 H.P., 1725 R.P.M. — 2 H.P., 1725 R.P.M.  
 AND 2 H.P., 3450 R.P.M. — 182T FRAME 3 H.P., 1725 R.P.M. AND 3450 R.P.M. — 184T FRAME 5 H.P., 1725 R.P.M. AND  
 3450 R.P.M. — 213T FRAME 7-1/2 H.P., 1725 R.P.M. AND 3450 R.P.M.

# MOTOR BASE BRACKET TO MEET J.I.C. SPECIFICATIONS



For horizontal pumps requiring standard NEMA foot mounted motors to meet J.I.C. specifications, Ruthman Pump & Engineering has developed a complete line of vertical base brackets which may be adapted to any standard pump 1/4 H.P. and larger illustrated in this catalog.

The photo at the left shows MODEL D-502 converted to MODEL D-502-CM. When ordering for these specifications add suffix "CM" to pump model number. Individual prints available upon request.



DIMENSIONS  
IN  
INCHES

MOTOR FRAME SIZE	BRACKET B. DRW'G NUMBER	B.B. HOUSING B. DRW'G NUMBER	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
48	6195	6193	14 3/8	3 1/8	12 3/8	3	1 1/2	4	3 1/8	1 7/16	4 1/2	5 3/4	6 1/2	4 5/16	11 5/16	5 5/8	3	1 5/16	2 3/4
56	6196	6190	16 5/32	4 3/8	13 1/2	3	1 1/2	4	3 1/8	1 11/16	4 7/8	6 5/8	7 3/8	4 15/16	12 9/16	5 5/8	3 1/2	1 5/16	3
56	6196	6192	16 5/32	4 3/8	13 1/2	3	1 1/2	4	3 1/8	1 11/16	4 7/8	6 5/8	7 3/8	4 15/16	13 1/8	5 5/8	3 1/2	1 5/16	3
143T	6279T	6199	18	6 1/8	14 7/16	3	1 1/2	4	3 1/8	1 1/2	5 1/2	7	8	4 13/16	14 1/8	3 3/4	3 1/2	1	4
145T	6279T	6199	18	6 1/8	14 7/16	3	1 1/2	4	3 1/8	1 1/2	5 1/2	7	8	4 13/16	14 1/8	3 3/4	3 1/2	1	5
182T	6197T	6188	21	7 1/2	16 3/4	4	2 1/4	5 1/4	4	1 3/4	7 1/2	9 1/8	10 1/16	5 13/16	15 1/16	3 3/4	4 1/2	1	4 1/2
184T	6197T	6188	21	7 1/2	16 3/4	4	2 1/4	5 1/4	4	1 3/4	7 1/2	9 1/8	10 1/16	5 13/16	15 1/16	3 3/4	4 1/2	1	5 1/2
213T	6198T	6186	23 3/4	8 1/2	21 1/8	4	2 1/4	5 1/4	4	2	8 1/2	10 3/8	11 3/8	7 3/16	16 7/16	3 3/4	5 1/4	1	5 1/2

48 FRAME MOTORS 1/4 THRU 3/4 H.P., 3450 RPM.—56 FRAME 1/4 THRU 3/4 1725 R.P.M.  
143T FRAME 1 H.P., 1725 R.P.M. AND 1-1/2 H.P., 3450 RPM.—145T FRAME 1-1/2 H.P., 1725 R.P.M.—2 H.P., 1725 R.P.M.  
AND 2 H.P., 3450 RPM.—182T FRAME 3 H.P., 1725 R.P.M. AND 3450 RPM.—184T FRAME 5 H.P., 1725 R.P.M. AND  
3450 R.P.M.—213T FRAME 7-1/2 H.P., 1725 R.P.M. AND 3450 R.P.M.