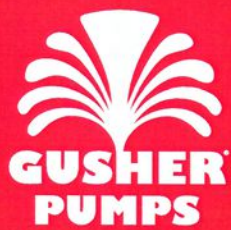


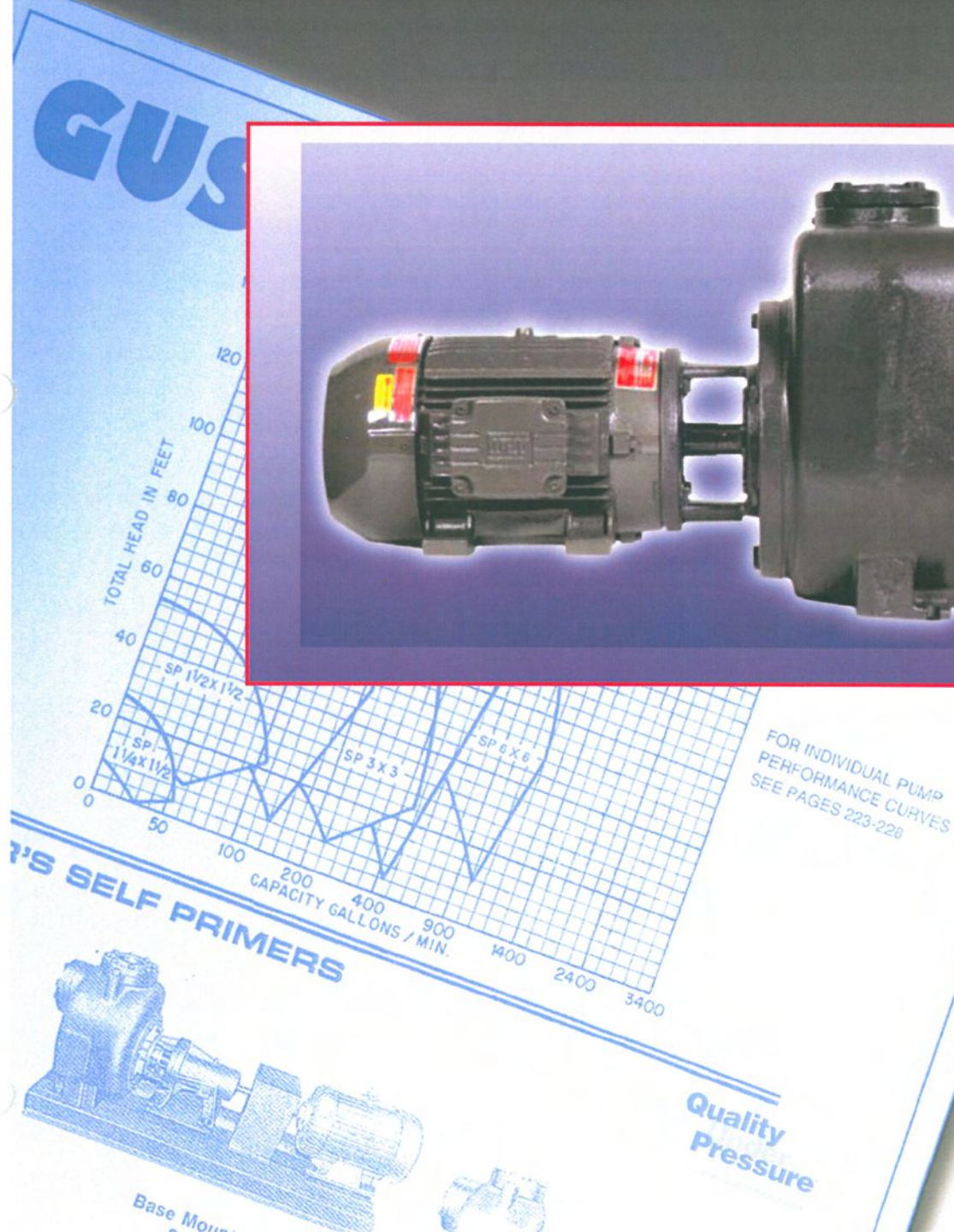
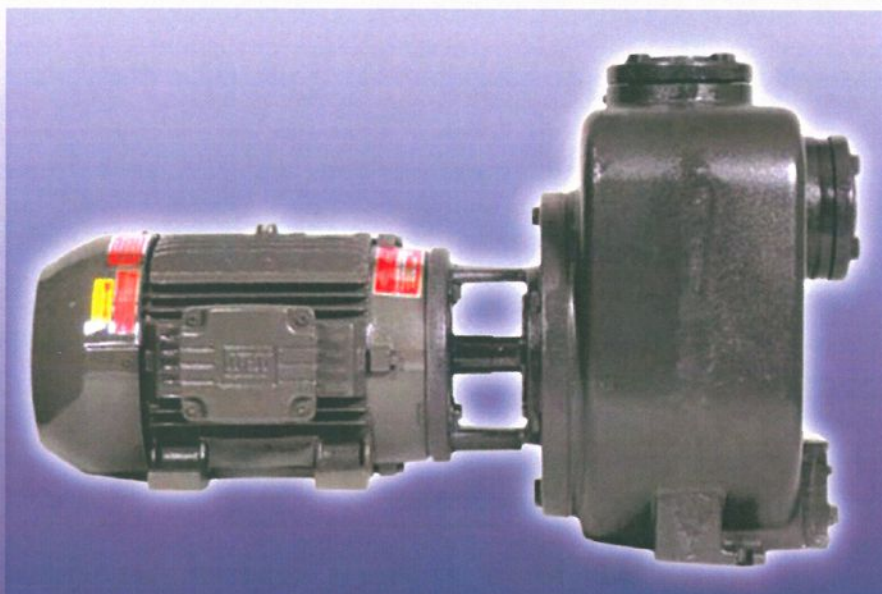
Centrifugal Self Priming Pumps

8000 Series



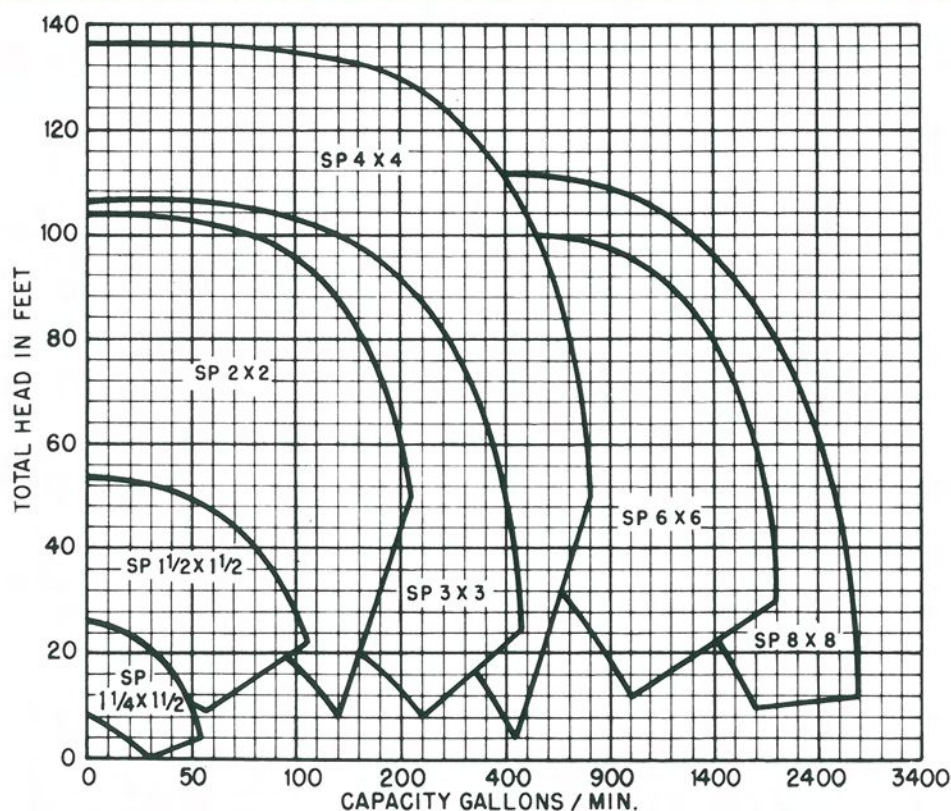
A RUTHMAN COMPANY

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R
RUTHMAN
COMPANIES

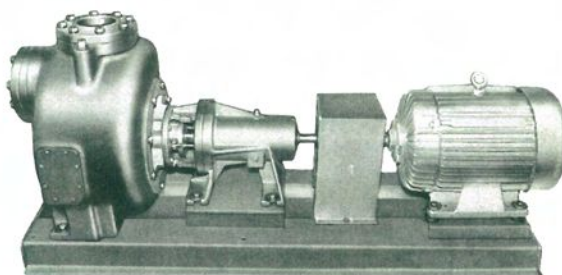
SELECTION CHART FOR 1750 R.P.M.



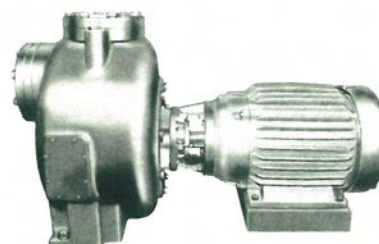
GUSHER'S SELF PRIMERS



Gasoline or Diesel
Engine Driven Style



Base Mounted
Style



Close Coupled Style

Designed for Wide Range of Service, From Agricultural to Industrial:

- ☐ Capacities to 2800 G.P.M. @ 1750 R.P.M.
- ☐ Heads to 135' @ 1750 R.P.M.
- ☐ Suction Lifts to 25'
- ☐ Temperatures to 600°F.
- ☐ Services—Filtration, Irrigation, Dewatering, Transfer, Industrial Sump, Shallow Sump Washers, Tank Car Unloading

Design Features:

- ☐ Heavy Duty Construction w/Wear Plate as Standard Construction
- ☐ Back Pull-Out for Ease of Inspection and Low Cost Maintenance

- ☐ Clean-Out Ports for Fast Removal of Foreign Objects
- ☐ Semi-Open Impellers
- ☐ No Check Valves Required in Suction Line
- ☐ Priming and Air Separation Accomplished Within Casing. No External Valves, Air Separator or Priming Chamber Required.
- ☐ 316 S.S. Shaft Sleeve and Mechanical Seal Standard

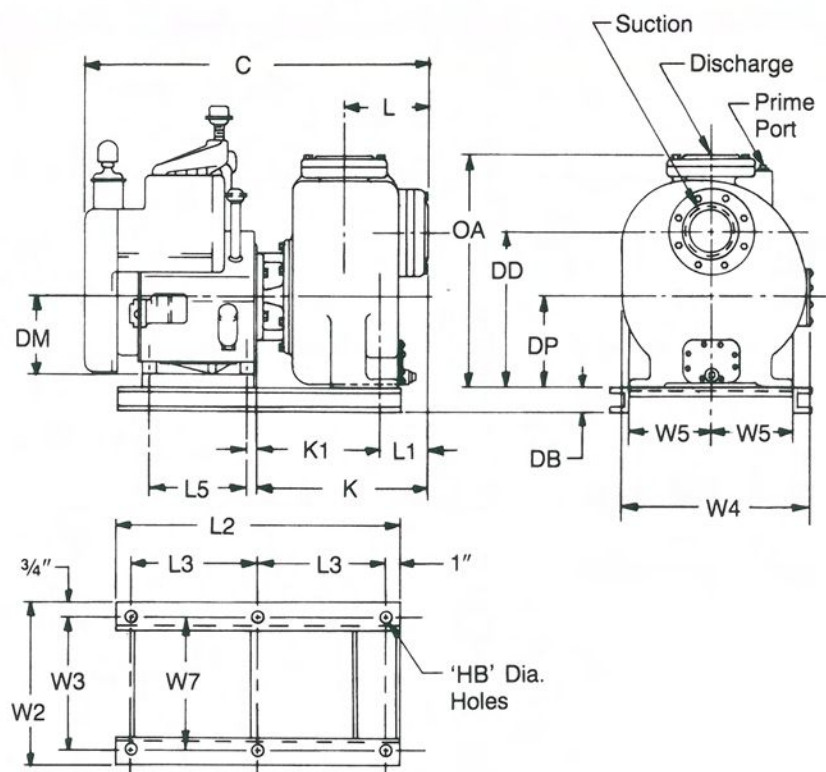
Optional Features:

- ☐ Various Drives Available:
Electric Motor, Gasoline Engine, Diesel Engine, Pedestal and Base Mounted Styles
- ☐ External Impeller Adjustment for Renewable Efficiency
- ☐ Flapper Valve for Instantaneous Liquid Delivery
- ☐ Packing Available Upon Request

MODEL NO.	Discharge N.P.T.	Suction N.P.T.	Prime Port N.P.T.	Power Frame	N.E.M.A. Fr. Size	DIMENSIONS IN INCHES												
						C	DB	DD	DP	HB	HF	HP	K	K1	K2	Keyway	L	L1
SP1¼x1½-5SE	1¼	1½	¾	51H	56 Thru 145T	10½	3	7 ¹⁵ / ₃₂	4¼	7/16	¾ Slots	—	20⅝	15¾	9½	¼x1⅝x1⅝	39/16	—
SP1½x1½-7SE	1½	1½	¾	51H	56 Thru 182T	12	3	6⅞	5¼	7/16	¾ Slots	7/16	28⅜	23¾	9½	¼x1⅝x1⅝	67/16	37/16
SP2x2-10SE	2	2	¾	51H	143T & 145T	10½	3	9	5½	9/16	¾ Slot	7/16	29⅝	24 ¹¹ / ₁₆	9½	¼x1⅝x1⅝	6 ¹⁵ / ₁₆	49/32
					182T & 182T	12												
					213T & 215T	15												
SP3x3-10SE	3	3	1	51H	145T Thru 184T	145T10½ 184T 12	3	14⅞	8⅞	9/16	¾ Slot	½ Slot	31	26¼	9½	¼x1⅝x1⅝	8½	4¾
					213T & 215T	15												
					184T	12												
SP4x4-11SE	4	4	1	51H	213T/215T	15	3	16	9½	1 ¹ / ₁₆	¾ Slot	1 ¹ / ₁₆	32⅜	27¾	9½	¼x1⅝x1⅝	8 ³ / ₁₆	4 ¹⁵ / ₁₆
					254T	18												
					52H	256T Thru 286T							22	34 ⁷ / ₈	27 ¹¹ / ₁₆	12		
				SP6x6-10SE	6	6	1	52H	215T	15	4	18¾	11¼	1 ¹ / ₁₆	¾" Slot	¾	38	33
254T & 256T	18 & 19½																	
284T & 286T	20¾ & 22																	
324T	23																	
53H	326T	24½	7/8" Slot						43	36¼					15¾		1/2x1¼x3½	
SP8x8-11SE	8	8	1	52H	256T	19½	5	22½	13	1 ¹ / ₁₆	¾" Slot	7/8	40⅝	35⅝	12	⅝x⅝x16x2 ¹ / ₈	11 ³ / ₁₆	79/16
					284T & 286T	20¾ & 22												
					53H	324T & 326T				23 & 24½	7/8		7/8" Slot	45⅝	39 ⁵ / ₁₆	15¾		
				364T		26												

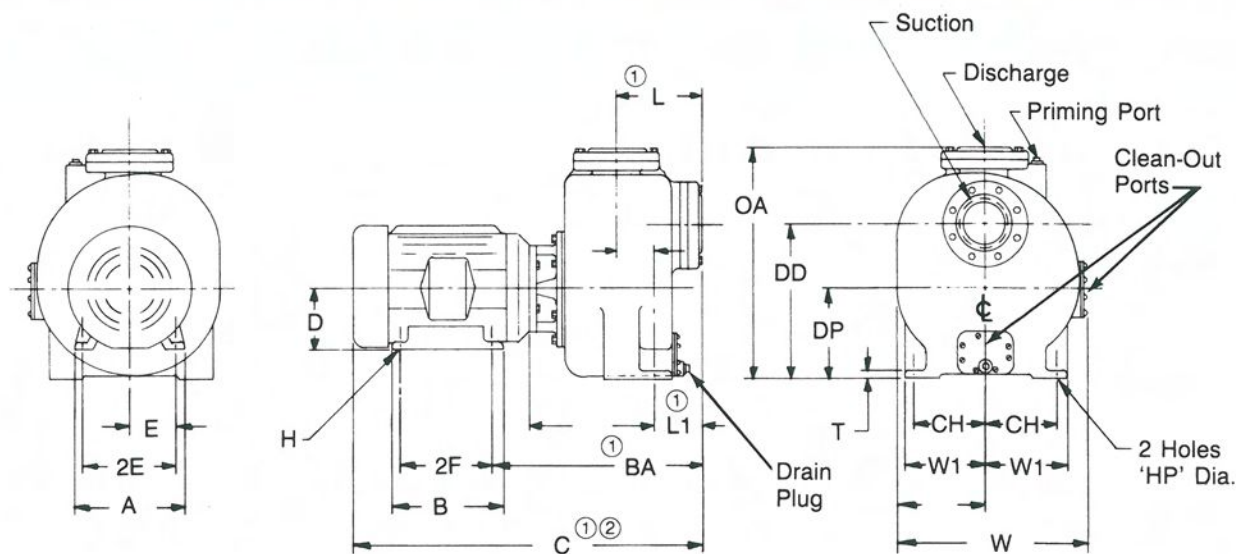
MODEL NO.	Power Frame	N.E.M.A. Fr. Size	DIMENSIONS IN INCHES (Continued)																
			L2	L3	L4	L5	N	OA	S	T	U	W2	W3	W4	W5	W6	W7	W8	DF
SP1¼x1½-5SE	51H	56 thru 145T	36	17	—	7	3½	10	3½	—	1¼	10	8½	8½	4¼	—	2½	6½	5¼
SP1½x1½-7SE	51H	56 thru 182T	36	17	12½ ₁₆	7	3½	10	3½	¾	1¼	10	8½	9¾	3½ ₁₆	3¾ ₁₆	2½	6½	5¼
SP2x2-10SE	51H	143T _{145T}	44	21	12½ ₁₆	7	3½	13¼	3½	½	1¼	13	11½	14½	5	4	2½	6½	5¼
		182T _{184T}	46	22															
		213T _{215T}	48	23															
SP3x3-10SE	51H	145T thru 184T	46	22	13¾ ₁₆	7	3½	21½ ₈	3½	½	1¼	14	12½	17½ ₈	5½	4½	2½	6½	5¼
		213T & 215T	50	24															
SP4x4-11SE	51H	184T	48	23	149 ₁₆	7	3½	23¾ ₈	3½	¾	1¼	20	18½	19½	8½	7½	2½	6½	5¼
		213T _{215T}	51	24½															
		254T	54	26															
	52H	256T thru 286T	60	29	14½	9¼				1½	21	19½				3¾	9	7	
SP6x6-10SE	52H	215T	58	28	161 ₁₆	9¼	3½	27¾ ₈	5	¾	1½	24	22½	22¾ ₄	10	8¾	3¾	9	7
		254T & 256T	62	30															
		284T & 286T	65	31½															
		324T	66	32															
53H	326T	72	35		12	5½			2							5	12	9	
SP8x8-11SE	52H	256T	65	31½	177 ₁₆	9¼	3½	32¼ ₁₆	5	7½	1½	25	23½	26¼	10½	9¾	3¾	9	7
		284T & 286T	68	33															
		324T & 326T	75	36½															
	53H	364T	77	37½															

ENGINE DRIVEN STYLE 'ED'



MODEL	Disch. N.P.T.	Suction N.P.T.	Prime Port N.P.T.	Engine and R.P.M.	DIMENSIONS IN INCHES																		
					C	DB	DD	DM	DP	HB	K	K1	L	L1	L2	L3	L5	OA	W2	W3	W4	W5	W7
SP1 1/4x1 1/2-5SE	1 1/4	1 1/2	3/4	4.3 HP @ 3600 RPM	17 1/8	3	7 15/32	4 3/16	4 1/4	7/16	8	1 3/4	3 3/16	—	15	13	3 1/8	10	10	8 1/2	8 1/2	4 1/4	6 3/8
				6.7 HP @ 3600 RPM	26 1/2			4 3/16				1 3/4			24	11	3 1/8						6 3/8
				8.5 HP @ 3600 RPM	28	3	6 5/8	5 1/4	5 1/4	7/16	16	2 9/32	6 7/16	3 7/16			3 3/8	10	14	12 1/2	9 3/4	3 15/16	7 11/16
				13.6 HP @ 3600 RPM				6 1/8				1 1/2			26	12	6 1/4		16	14 1/2			10 9/8
SP2x2-10SE	2	2	3/4	4.3 HP @ 3600 RPM	26 1/2			4 3/16				1 3/4			24	11	3 1/8						6 3/8
				6.7 HP @ 3600 RPM	28 5/8			5 1/4				2 9/32					3 3/8						7 11/16
				8.5 HP @ 3600 RPM	29	3	9	5 1/4	5 1/2	9/16	17	3 11/32	6 15/16	4 9/32			3 3/8	13 1/4	14	12 1/2	14 1/2	5	10 9/8
				13.6 HP @ 3600 RPM	29			6 1/8				1 1/2			26	12	6 1/4		16	14 1/2			10 9/8
				25 HP @ 3600 RPM	33 1/2			8				2 5/16			30	14	8 5/8		17 1/2	16			10 9/8
SP3x3-10SE	3	3	1	4.3 HP @ 3600 RPM	28			4 3/16				1 3/4			24	11	3 1/8						6 3/8
				6.7 HP @ 3600 RPM	29 3/8			5 1/4				2 9/32					3 3/8						7 11/16
				8.5 HP @ 3600 RPM	30 1/2		14 1/8	5 1/4	8 1/8	9/16	18 9/16	3 11/32	8 1/2	4 3/4	26	12	3 3/8	21 1/8	14	12 1/2	17 1/8	5 1/2	10 9/8
				13.6 HP @ 3600 RPM	30 1/2			6 1/8				1 1/2			28	13	6 1/4		16	14 1/2			10 9/8
				25 HP @ 3600 RPM	35			8				2 5/16			30	14	8 5/8		17 1/2	16			13 3/8
				50 HP @ 3600 RPM	41	4						2.66			36	17	10 1/2						13 3/8
SP4x4-11SE	4	4	1	8 HP @ 2200 RPM	31			4 3/4				2					4						7 5/8
				14.2 HP @ 2200 RPM	32 1/2			6 3/4				1 1/16			26	12	8 5/8						10 9/8
				21 HP @ 2200 RPM	36 1/2		16		9 1/2	1 1/16	20	2 9/16	8 3/16	4 15/16	30	14	4 1/2	23 7/8	20 1/2	19	19 1/2	8 1/2	13 3/8
				26.5 HP @ 2200 RPM	39 1/2			8				1			36	17	10 9/8						10
				29.6 HP @ 2200 RPM	38 3/4										40	19	11 1/2						12
				42 HP @ 2200 RPM	44							1 1/8											12
SP6x6-10SE	6	6	1	14.2 HP @ 2200 RPM	39 1/4							1 1/16					4						7 5/8
				26.5 HP @ 2200 RPM	42 3/8							1			36	17	10 9/8						10 9/8
				29.5 HP @ 2200 RPM	42		18 3/4	8	11 1/4	1 1/16	23 1/8		10 9/16	5 11/16				27 3/8	24	22 1/2	22 3/4	10	
				36 HP @ 2200 RPM	42 1/2																		12
				42 HP @ 2200 RPM	45 1/2							1 1/8			40	19	11 1/2						12
				56.7 HP @ 2200 RPM	45			9 1/2				1 1/8											12
SP8x8-11SE	8	8	1	36 HP @ 2200 RPM	45			9				1 1/8			40	19	11 1/2						12
				42 HP @ 2200 RPM	44			9 1/2	13	7/8	25 3/4	1 1/8	11 3/16	7 9/16	42	20		32 13/16	25	23 1/2	26 1/4	10 1/2	12
				56.7 HP @ 2200 RPM	44 1/2																		
				61.2 HP @ 2200 RPM	62			7 7/8				—			60	29	—						18 1/2

CLOSED COUPLED STYLE "CC"



MODEL	H.P.	N.E.M.A. Frame Size	N.P.T. Disch.	N.P.T. Suction	N.P.T. Prime Port	DIMENSIONS IN INCHES																				
						A	B	BA	C	CH	D	DD	DP	E	2E	2F	H	HP	L	L1	OA	T	W	W1		
SP1¼x1½-5SE	½ & ¾	56J	1¼	1½	¾	6½	4½	10¾	17⅝	—	3½	7⅝	4¼	27⅙	47⅙	3	11⅜	—	3⅝	—	10	—	8½	4¼		
	1								18⅝																	
	1½								187⁄8																	
	2								197⁄8																	
	2								20¾																	
SP1½x1½-7SE	1	143JP	1½	1½	¾	7	5⅝	187⁄8	27½	3⅜	3½	6⅝	5¼	2¾	5½	4	11⅜	7⁄16	67⁄16	37⁄16	10	¾	9¾	3⅝		
	1½															145JP									5	
	2															182JP									4	13⅜
	3															182JP									4½	13⅜
SP2x2-10SE	1½	143JP	2	2	¾	7	5⅝	197⁄8	28½	4	3½	9	5½	2¾	5½	4	11⅜	7⁄16	6⅝	49⁄32	13¼	¾	14½	5		
	2	145JP														5										
	3	182JP														4½									13⅜	
	5	184JP														4½									13⅜	
	7½	213JP														5½									13⅜	
SP3x3-10SE	2	145JP	3	3	1	7	5⅝	217⁄16	301⁄16	4½	3½	14⅝	8⅝	2¾	5½	4	11⅜	¾	8½	4¾	21⅝	½	17⅝	5½		
	3	182JP														4½									13⅜	
	5	184JP														5½									13⅜	
	7½	213JP														7									13⅜	
	10	215JP														7									13⅜	
SP4x4-11SE	5	184JP	4	4	1	9	6⅝	23½	32⅝	7½	4½	16	9½	3¾	7½	5½	13⅜	11⁄16	83⁄16	4⅝	237⁄8	¾	19½	8½		
	7½	213JP														7									13⅜	
	10	215JP														7									13⅜	
	15	254JP														8½									17⅜	
	20	256JP														10									17⅜	
	25	284JP														9½									17⅜	
	30	286JP														11									17⅜	
SP6x6-10SE	10	215JP	6	6	1	10½	8⅝	27⅝	39⅝	8¾	5¼	18¾	11¼	4¼	8½	7	13⅜	13⁄16	105⁄16	5⅝	273⁄8	¾	22¾	10		
	15	254JP														8½									17⅜	
	20	256JP														10									17⅜	
	25	284JP														9½									17⅜	
	30	286JP														11									17⅜	
	40	324JP														10½									21⅜	
	50	326JP														12									21⅜	
SP8x8-11SE	20	256JP	8	8	1	12½	11⅝	30¾	477⁄16	9¾	6¼	22½	13	5	10	10	13⁄16	1113⁄16	79⁄16	3213⁄16	1	26¼	10⅝			
	25	284JP														9½								17⅜		
	30	286JP														11								17⅜		
	40	324JP														10½								21⅜		
	50	326JP														12								21⅜		
	60	364JP														7								21⅜		

1 Includes Flapper Valve

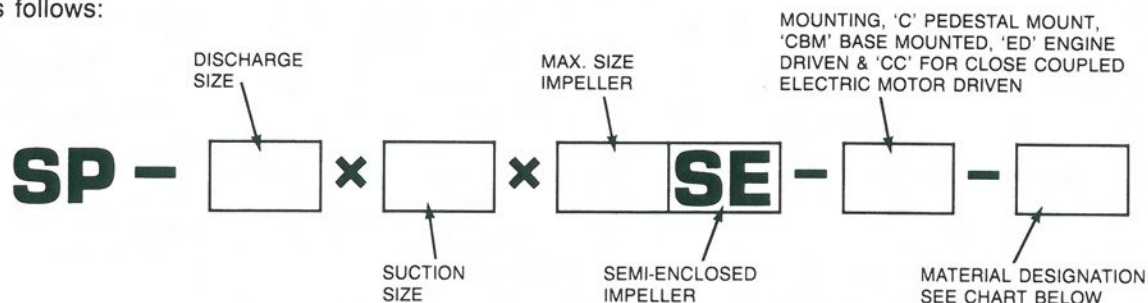
2 Varies With Motor Manufacturer

3 Dim. For 230/460 V.-60 Cy.-3 Ph.-TEFC Motors

4 Dim. For Estimating Only, Certified Drawing Supplied Upon Request

ORDERING INFORMATION

Order the Gusher 8000 Series Pump to meet your needs by model number. The model number should be specified as follows:



EXAMPLE: For ordering a Coupled Base Mounted Pump with a 2" discharge and 2" diameter suction with impeller of 10" maximum. Ductile iron construction. The model number for ordering description would be: SP-2x2x10SE-CBM-DI

Materials of Construction

Material Designation	Type
D.I.	All iron construction, ductile iron
C.I.	All iron construction, cast iron
B.F.	Bronze fitted
S.F.	Stainless steel fitted

Motor Specifications

Please furnish the following information on all orders: Horsepower, Frame Size, Voltage, RPM, Hertz and Phase. If a special motor is required specify: i.e. Delco GM-7EQ.

The **Base Mounted Pump** is designed to accept a Nema Frame Foot Mounted Motor.

Note: if motor is ordered it will be factory mounted unless otherwise specified.

We Can Help

Our engineering department will help you select the proper pump for your application. Call or write. Performance Curves are available on all pumps.

