



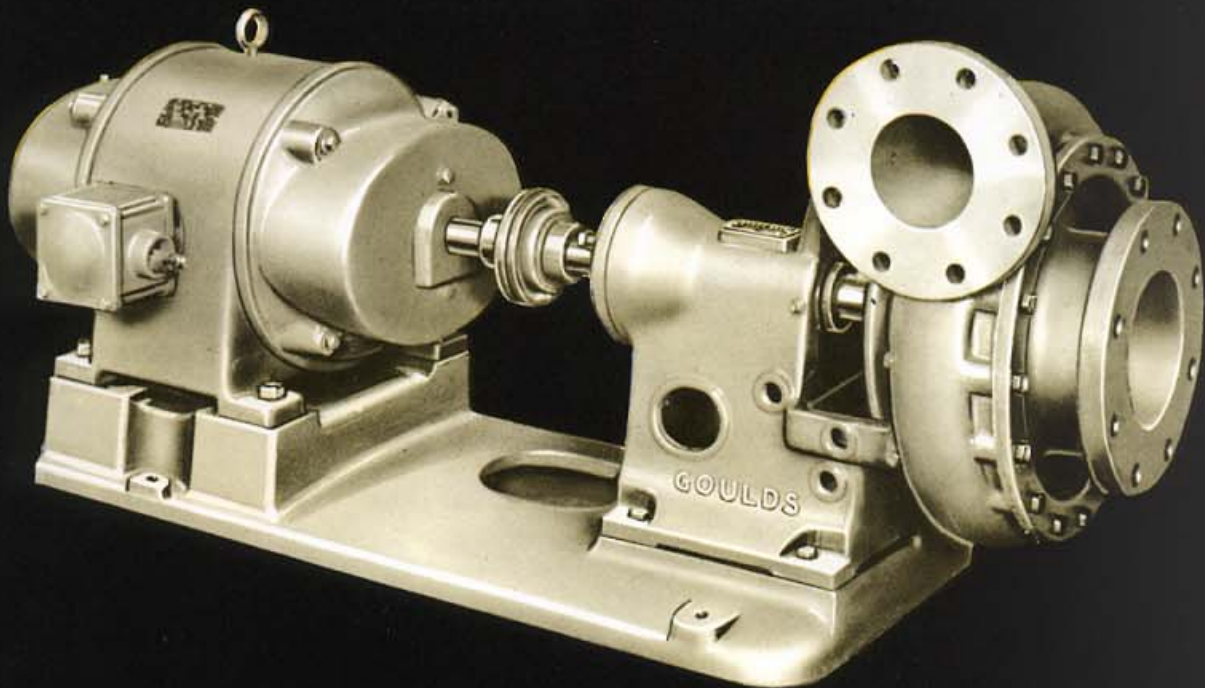
# GOULDS PUMPS

BULLETIN 715.1  
May 20, 1971 • Sup. Bul. Dated 1/1/70

## Enclosed Impeller / Single Stage / Frame Mounted / End Suction CENTRIFUGAL PUMPS

### MODEL 3755

Capacity	5 to 3800 GPM
Head	15 to 400 feet TDH
Temperature	-80° to +350°F
Working Pressure	0 PSIA to 150 PSIG



Goulds Pumps



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## Goulds Frame Mounted Centrifugal Pumps



**MODEL 3755**  
Bare Pump

### QUALITY

A complete line of ball bearing frame mounted type pumps for direct drive by prime movers, or belt drive. Over a hundred years experience in designing and manufacturing pumps exclusively assures the user of a product which is unsurpassed for quality and dependability.

### STANDARDIZATION

Standardization of parts has been accomplished to a point where many of the wearing parts for a certain size pump are also used in several other units. (See p. 5.) This is particularly important where pumps of different sizes are used in a plant inasmuch as it minimizes the quantity of spare parts required.

### BROAD COVERAGE

In order to cover the field in the broadest possible sense, Goulds "Frame Mounted" line contains 25 sizes of pumps, capacities up to 3800 GPM, and heads up to 400 ft., depending on capacity.

### SERVICE

The field for this line of pumps is almost unlimited. Just a few of the applications are General Industrial Use, Irrigation, Water Supply Systems, Booster Service, Circulating and Air Conditioning.

### DURABILITY

Extra heavy, well proportioned construction throughout assures trouble free twenty-four hours per day service over long periods and under the most severe conditions.

## Specifications

### CASING

(Item No. 100)—Volute type, bolted to frame, with recessed lock fit to insure alignment. Discharge nozzle can be swivelled to any one of three positions. (See dimension drawings page 10.) Standard assembly provides top horizontal discharge. Separate suction cover bolted to casing through machined lock joint. No stud or bolt holes are tapped through casing to liquid ways. Tapped openings provided for priming, venting, draining, and suction and discharge gauge connections. Flanged suction and discharge connections standard for all sizes.

### IMPELLER

(Item No. 101)—Enclosed, single suction type, cast in one piece. All impellers are statically balanced to insure smooth operation, also hydraulically balanced except in some small sizes where end thrust is but a minor factor. Impeller is keyed to shaft and held in lateral position between shaft sleeve and impeller washer. A self locking cap nut holds compression seal washer securely against hub and prevents leakage of liquid between shaft sleeve and shaft.

### WEARING RINGS

(Item No. 103 and 127)—All pumps fitted with renewable type casing wearing rings to maintain proper running clearance with impeller hubs and to minimize leakage between suction and discharge chambers of casing.

### STUFFING BOX

Cast integral with casing. Provision for 5 rings of die-formed packing plus lantern ring. Tapped openings provided for sealing liquid under pressure from pump casing or outside clear water supply, or lubricator using non-solvent lubricant for the liquid being pumped.

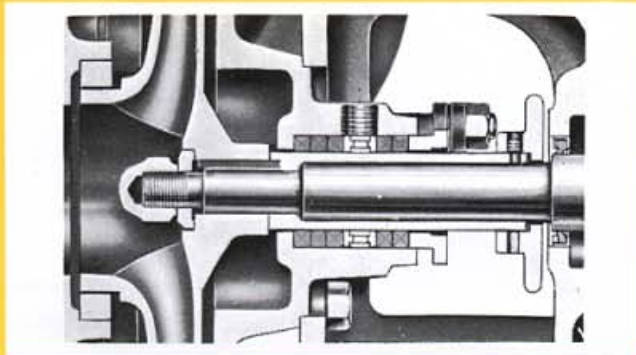
### SHAFT

(Item No. 122)—Of ample strength and rigidity, and with proper span between bearings to minimize deflection and vibration.

## (Specifications continued)

### SHAFT SLEEVE

(Item No. 126)—Is shouldered on shaft near impeller and covers full length of shaft from impeller hub to bearing support. Seals by compression between shaft sleeve and impeller hub, also between sleeve and shoulder on shaft, protecting shaft from contact with liquid. Hook type shaft sleeve is free to expand or contract with temperature changes.

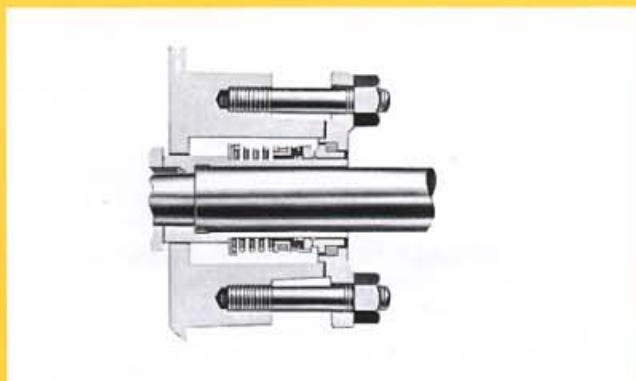


### WATER DEFLECTOR

(Item No. 123)—Prevents leakage of liquid into the bearings. Securely mounted on end of shaft sleeve, with machined recess. Deflector drilled and tapped so that in servicing pump it can be employed, with the use of a spanner, to prevent shaft rotation while removing or tightening impeller nut; also, with the use of puller studs, to remove shaft sleeve.

### MECHANICAL SEAL

In place of the conventional stuffing box packing, pump can be furnished, on order, with a mechanical seal as illustrated in cut. Where mechanical



seals are wanted, it is necessary to know all characteristics of the liquid to be pumped, together with the temperature. Mechanical Seals may be substituted in the field without further machining of the stuffing box. When seals are used, a shaft sleeve of AISI 303 Stainless Steel is furnished in all constructions.

### GLAND

(Item No. 107)—Split type. Gland halves held together with the use of hollow washers which slip



over bosses on the gland, making it unnecessary to unbolt gland halves when repacking stuffing box. See illustration. Gland is installed at a 45° angle so that no leakage will drip on gland bolts. Pump can be supplied with gland of the water quenched cowl type when required.

### FRAME

(Item No. 228)—Designed with wide openings giving ready access to gland and stuffing box. Frame is cast with integral inboard bearing housing. Provided with cooling chamber to isolate bearings and prevent heat transfer through the pump casing to the bearings. Pump casing is bolted to frame and permanently aligned by means of a male and female lock fit. Frame forms collecting basin for gland drip which can be piped away through tapped openings. Provided with a choice of grease or oil lubricated ball bearings. Bearing at coupling end takes radial and any unbalanced thrust load. Inboard bearing pressed on shaft is free to float axially and takes radial load only. Bearing housing is completely sealed to exclude moisture and dirt making unit suitable for outdoor installation or locations where units are hosed down.

### BEDPLATE

Cast iron, specially designed camber top for added strength and rigidity, also prevents liquids from being trapped on bedplate surface. Large beaded lip hole provided for grouting.

### ROTATION

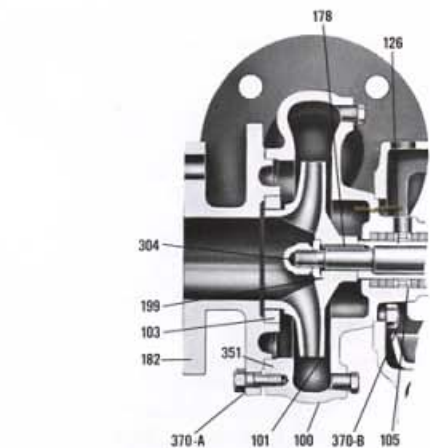
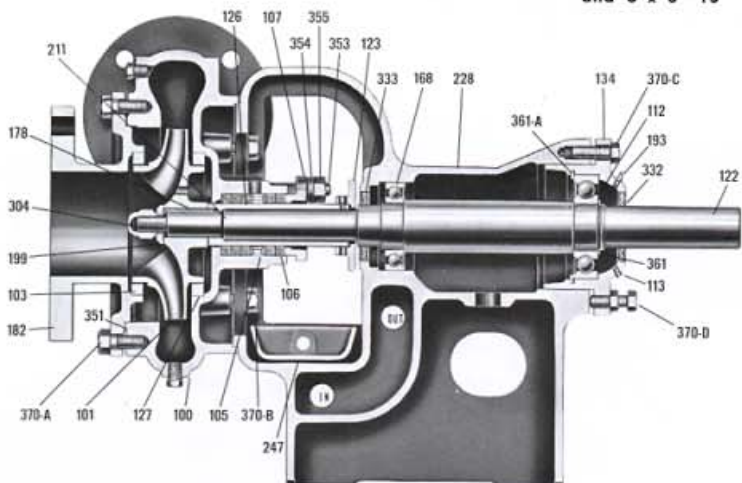
All pumps are built in right hand construction, i.e., clockwise rotation when viewed from the motor end.

### CONSTRUCTION

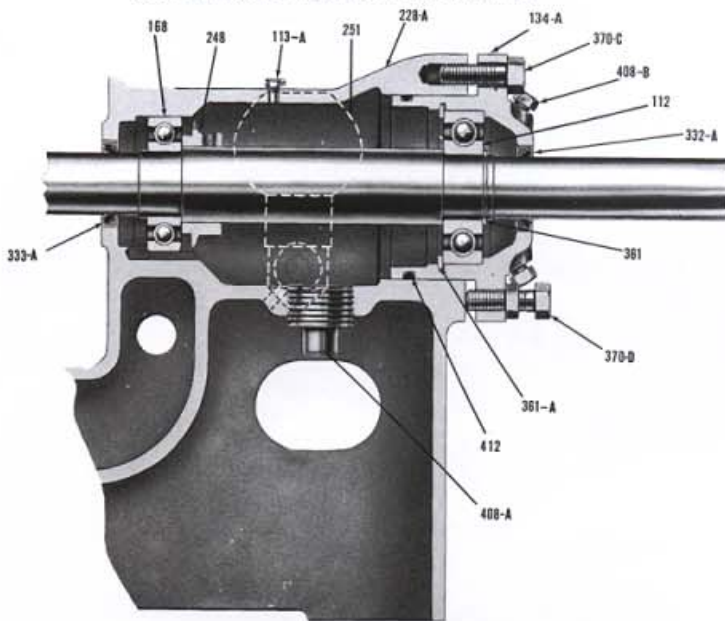
Available in bronze fitted, bronze fitted with iron impeller, all iron or all bronze. See Page 5 for materials of construction.

**SIZES—with two casing wearing rings**

2 x 2—7, 3 x 3—5, 1 1/2 x 2—9, 2 x 2 1/2—9, 2 1/2 x 3—9, 2 x 3—7,  
 3 x 4—7, 4 x 5—7, 5 x 5—7, 6 x 6—9, 2 1/2 x 3—11, 3 x 4—11,  
 4 x 6—11H, 8 x 8—11, 2 1/2 x 3—13, 3 x 4—13, 4 x 6—13, 4 x 6—13L,  
 and 6 x 8—13



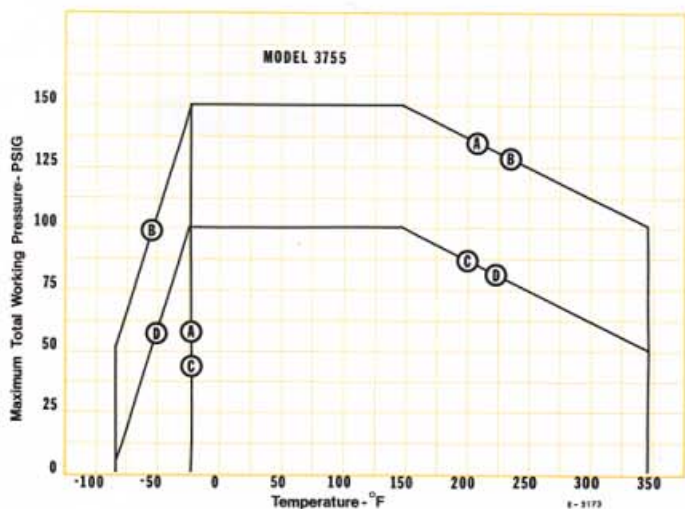
**OIL LUBRICATED BEARING CONSTRUCTION**



Dwg. No. PF-209

**SIZES—with suction wearing ring only**

1 1/4 x 1 1/2—5, 1 1/4 x 1 1/2—7, 1 1/4 x 1 1/2—8,  
 1 1/2 x 2—5, 2 1/2 x 2 1/2—6,  
 and 4 x 4—7



**CODE TO PRESSURE-TEMPERATURE CHART FOR MODEL 3755**

E-2173 A

Size	Curve	Casing Material	Minimum Discharge Mating Flange	Minimum Suction Mating Flange
4 x 4-7	C	Cast Iron	125 PSI ANSI Cast Iron	125 PSI ANSI Cast Iron
6 x 6-9	D	Bronze	150 PSI ANSI Bronze	150 PSI ANSI Bronze
8 x 8-11				
All Others	A	Cast Iron	125 PSI ANSI Cast Iron	125 PSI ANSI Cast Iron
	B	Bronze	150 PSI ANSI Bronze	150 PSI ANSI Bronze



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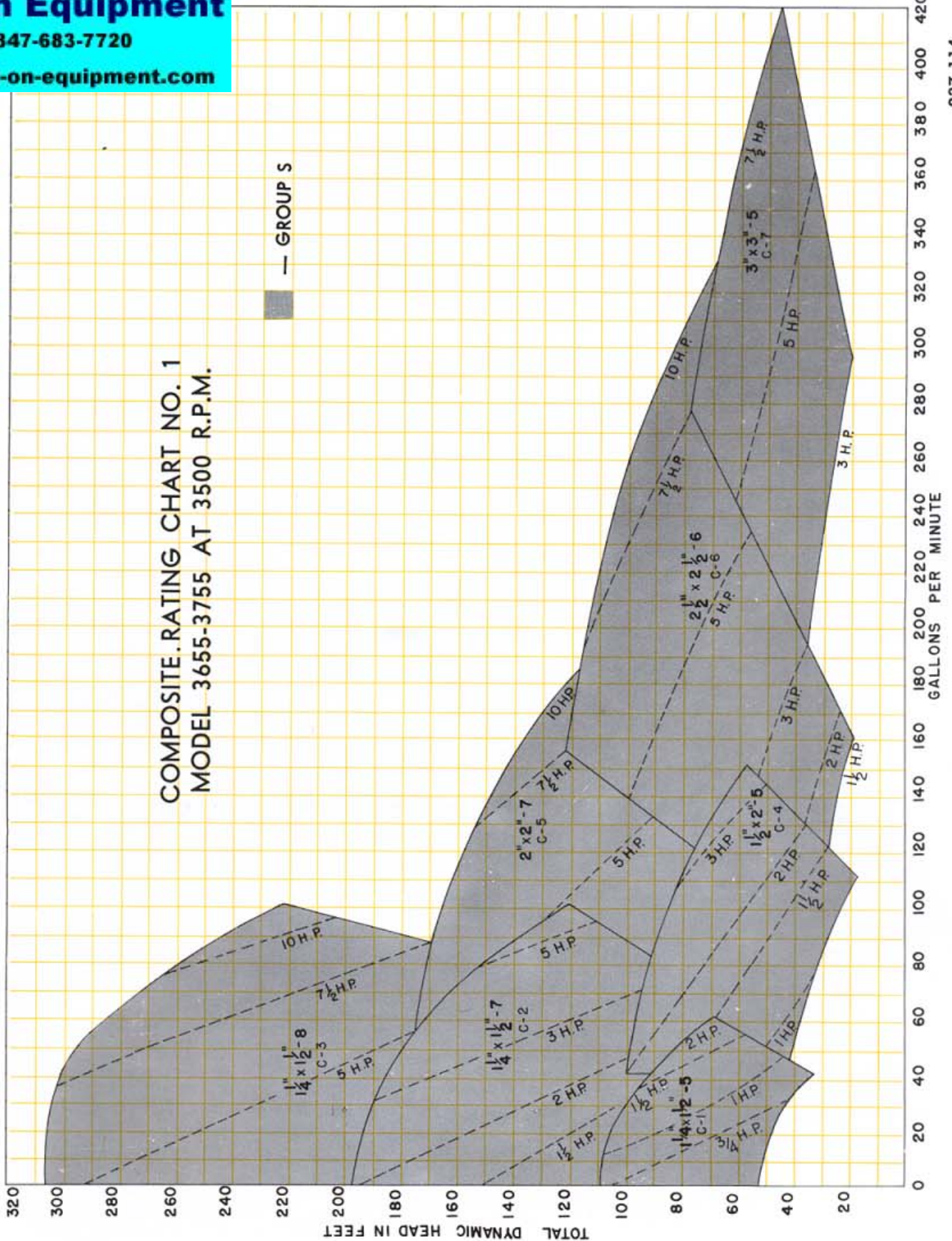
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**60 CYCLE SPEEDS—End Suction Impeller Frame Mounted Centrifugal Pumps**

Ratings shown are suitable for 15 ft. suction lift when handling clear, cold water at sea level, except where otherwise noted. "C" numbers below sizes indicate curve reference sheet.



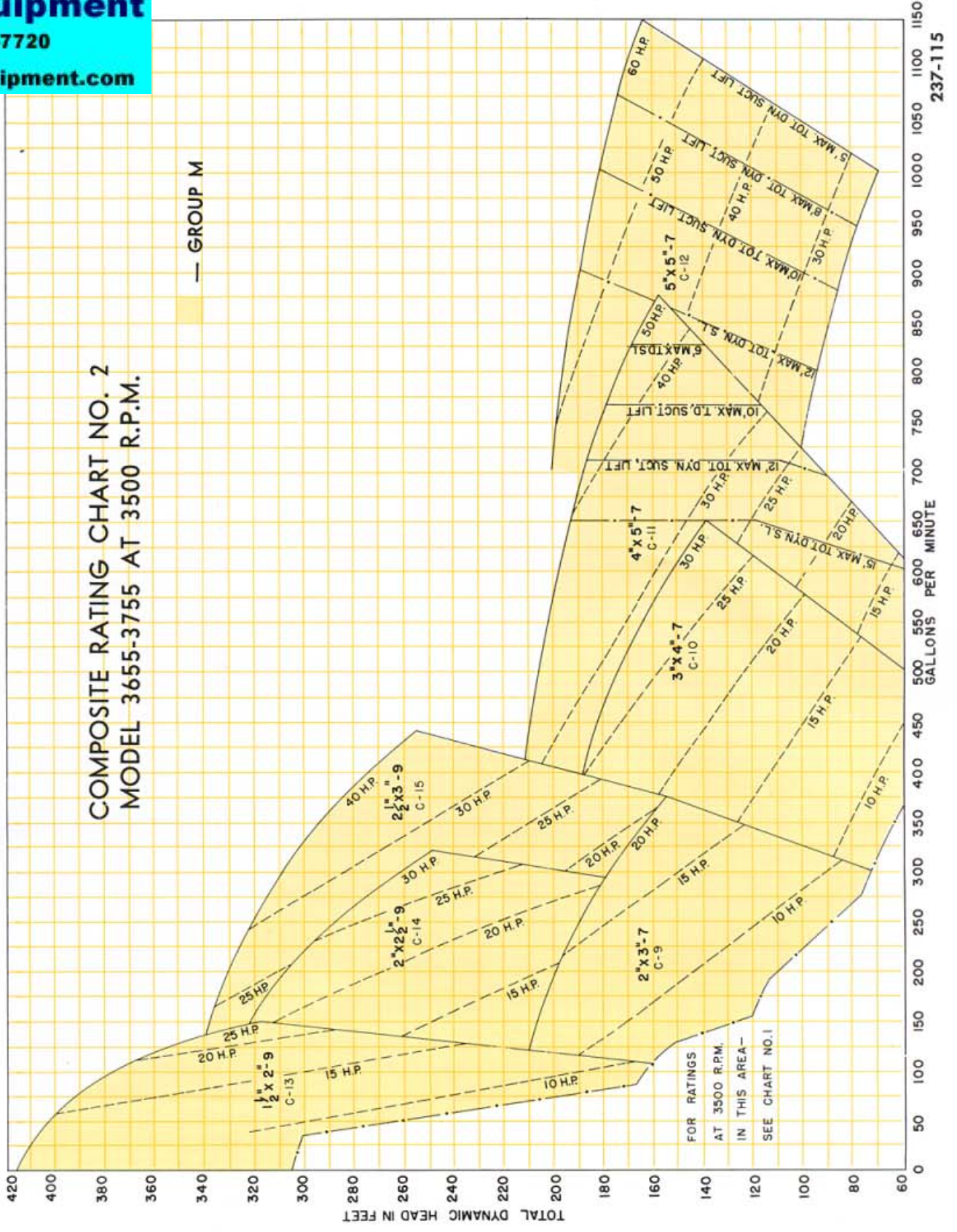
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**Bid on Equipment**

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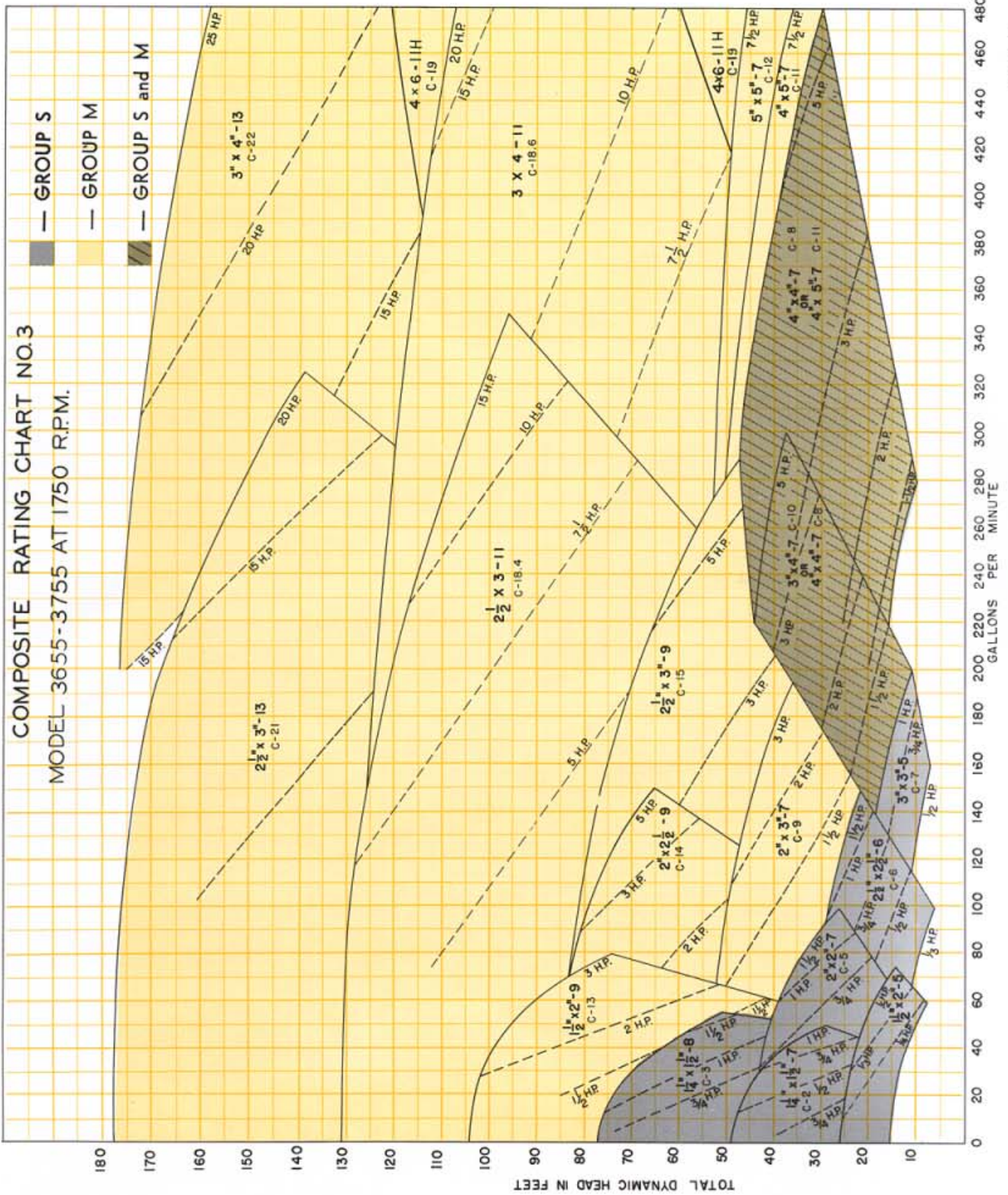
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**60 CYCLE SPEEDS**—End Suction Impeller Frame Mounted Centrifugal Pumps  
 Ratings shown are suitable for 15 ft. suction lift when handling clear, cold water at sea level, except where otherwise noted.  
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**60 CYCLE SPEEDS—End Suction Impeller Frame Mounted Centrifugal Pumps**

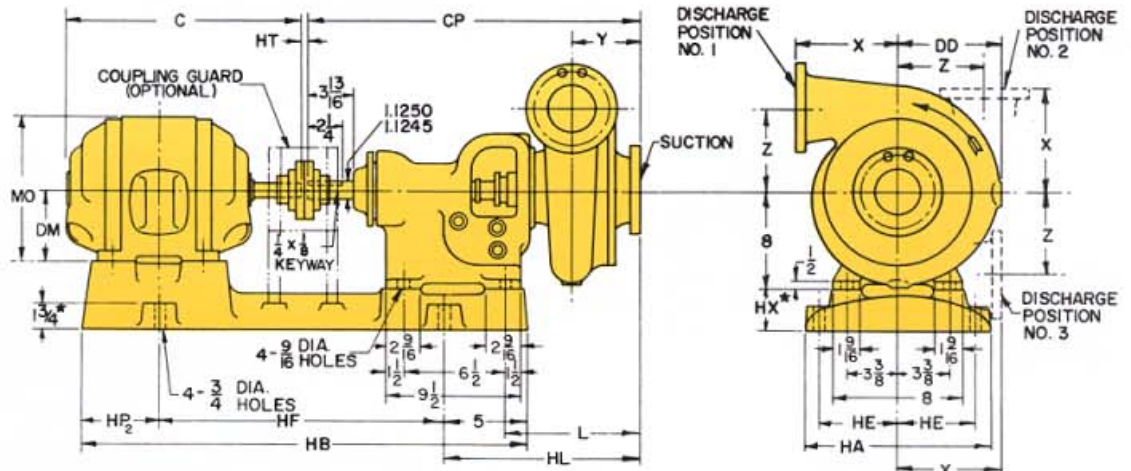
Ratings shown are suitable for 15 ft. suction lift when handling clear, cold water at sea level, except where otherwise noted.  
 "C" numbers below sizes indicate curve reference sheet.





# DIMENSIONS

... All Dimensions are in inches. Not to be used for construction purposes



## GROUP "S"

BEDPLATE NO.	MOTOR FRAME	DIMENSIONS DETERMINED BY MOTOR			DM	MO	HT	WT.	W/CPLG
		C OPEN	C ENCL.	ENCL.					
1	48	11	11	3	5 5/8	3/4	25	27	
	56	12 3/4	13 1/2	3 1/2	8 3/4	3/4	45	47	
	143 T	12 3/4	13	3 1/2	7	3/4	35	35	
	145 T	12 3/4	13 1/2	3 1/2	7	3/4	41	41	
	182	12 1/4	14 1/4	4 1/2	9	3/4	57	69	
	182 T	13 3/4	14 5/8	4 1/2	9	3/4	61	61	
	184	13 1/4	15 1/4	4 1/2	9	3/4	67	78	
	184 T	14 3/4	15 5/8	4 1/2	9	3/4	75	75	
	213	15 1/2	17 1/2	5 1/4	10 1/2	3/4	102	127	
	213 T	16	17 3/4	5 1/4	10 1/2	3/8	133	154	
	215	17	19	5 1/4	10 1/2	3/4	116	141	
	215 T	17 1/2	19 1/4	5 1/4	10 1/2	3/8	147	182	
	254 U	20 3/8	23	6 1/4	12 5/8	3/8	169	188	
	254 T	20 5/8	23 1/4	6 1/4	12 5/8	3/8	195	260	
	256 U	22 1/8	24 3/4	6 1/4	12 5/8	3/8	195	215	
256 T	22 3/8	25 1/4	6 1/4	12 5/8	3/8	219	311		
284 U	23 3/4	26 3/8	7	14	3/8	256	326		
284 TS	22 1/8	24 3/4	7	14	3/8	264	374		
286 U	25 1/4	27 7/8	7	14	3/8	301	366		
324 U	26 3/8	29 3/4	8	16	3/8	361	477		

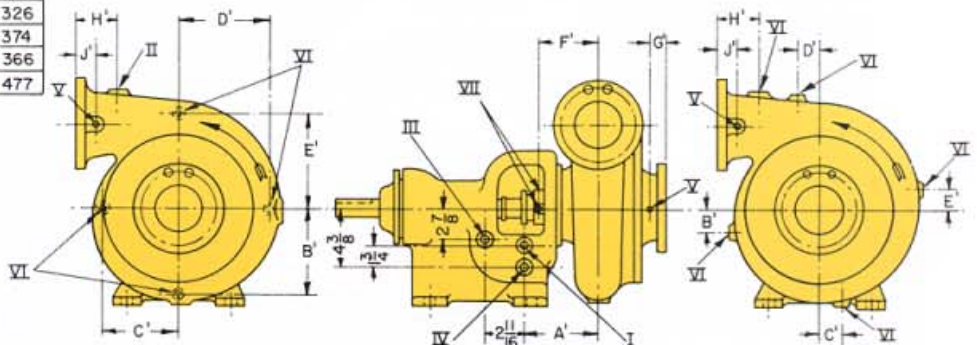
DIMENSIONS DETERMINED BY PUMP										
DISCH SIZE	SUCT SIZE	CASING CLASS	HL	CP	DD	L	X	Y	Z	WT.
1 1/4	1 1/2	5	10 1/2	20	3 5/8	7	4 3/4	3 1/4	3	78
1 1/4	1 1/2	7	10 1/2	20	4 3/4	7 3/8	5 1/4	3 1/4	3 3/4	81
1 1/4	1 1/2	8	10 3/4	21 1/8	5 9/16	7 5/8	6	3 1/2	4 1/4	89
1 1/2	2	5	10 3/4	21 1/8	4	7 1/2	4 3/4	3 1/2	3 1/8	78
2	2	7	11	21 5/8	4 3/4	7 7/8	5 5/8	3 3/4	3 3/4	89
2 1/2	2 1/2	6	11 1/4	21 9/16	4 3/4	8 1/8	5 1/2	4	3 1/4	89
3	3	5	11 1/2	21 13/16	4 7/16	8 3/8	6	4 1/4	3 3/4	91
4	4	7	12 1/4	22 1/8	6 5/16	9 1/8	7	5	5	121

FLANGE DIMENSIONS				
I.D.	O.D.	B.C.	THICKNESS	NO OF HOLES / SIZE HOLES
1 1/4	4 5/8	3 1/2	1/2	4 / 5/8
1 1/2	5	3 7/8	9/16	4 / 5/8
2	6	4 3/4	5/8	4 / 3/4
2 1/2	7	5 1/2	11/16	4 / 3/4
3	7 1/2	6	3/4	4 / 3/4
4	9	7 1/2	15/16	8 / 4-1/2

125 LB. FLANGE STANDARD

DIMENSIONS DETERMINED BY BEDPLATE							
BEDPLATE NO.	HA	HB	HE	HF	HP <sub>2</sub>	HX	WT.
1	14	31 3/4	6	20	6 3/4	2 1/2	57
2	16 1/2	36 3/4	7 1/4	23 5/8	8 1/8	2 1/2	78
3	18	40 3/4	8	25 1/2	10 1/4	3	95

\*MAY BE EXCEEDED BY 3/8" BUT WILL NEVER BE LESS THAN DIMENSION SHOWN. ALLOWANCE FOR VARIANCE SHOULD BE MADE IN GROUTING AND FOUNDATION BOLT LENGTH.



PUMP SIZE	A'	B'	C'	D'	E'	F'	G'	H'	J'
1 1/4 x 1 1/2 - 8	4	4	4	4	4	2 3/4	1 1/8	2	7/16
2 x 2 - 7	4	3 3/4	-	4	4 1/4	2 3/4	1 1/8	2 5/8	1 1/8
2 1/2 x 2 1/2 - 6	4	3 11/16	-	4	4 3/8	2 3/4	1 1/4	2 1/2	1 1/4
3 x 3 - 5	4	3 5/8	-	3 3/4	4 3/8	2 3/4	1 5/8	2 1/4	1 3/8

● TAP ON OPPOSITE SIDE TO THAT SHOWN

PUMP SIZE	A'	B'	C'	D'	E'	F'	G'	H'	J'
1 1/4 x 1 1/2 - 5	4	1 1/4	1 1/4	1 1/4	1 1/4	2 3/4	1	-	7/16
1 1/4 x 1 1/2 - 7	4	0	0	0	0	2 3/4	1 1/8	2	1
1 1/2 x 2 - 5	4	5/8	0	0	0	2 3/4	1 1/8	2	7/16
4 x 4 - 7	4	3/4	0	0	3/4	2 3/4	1 1/2	2 3/4	1 1/2

■ 90° FROM POSITION SHOWN (FACING SUCTION)

NO.	PIPE SIZE	TAP NO.	PURPOSE
I	3/4	2	OVERFLOW CONNECTION
II	3/8	1	CASING VENT OR PRIME
III	1/2	2	BRG. COOLANT OUTLET
IV	3/4	2	BRG. COOLANT INLET
V	1/4	2	GAUGE CONNECTIONS
VI	1/4	1	CASING DRAIN
VII	1/4	2	LANTERN RING CONNECTION

▲ SIZE 3 X 3 - 5 HAS 1/2" TAP  
 SIZE 1 1/4 X 1 1/2 - 5 HAS NO BOSS  
 SIZE 1 1/4 X 1 1/2 - 7 IS NOT TAPPED  
 SIZE 4 X 4 - 7 HAS 1/2" TAP

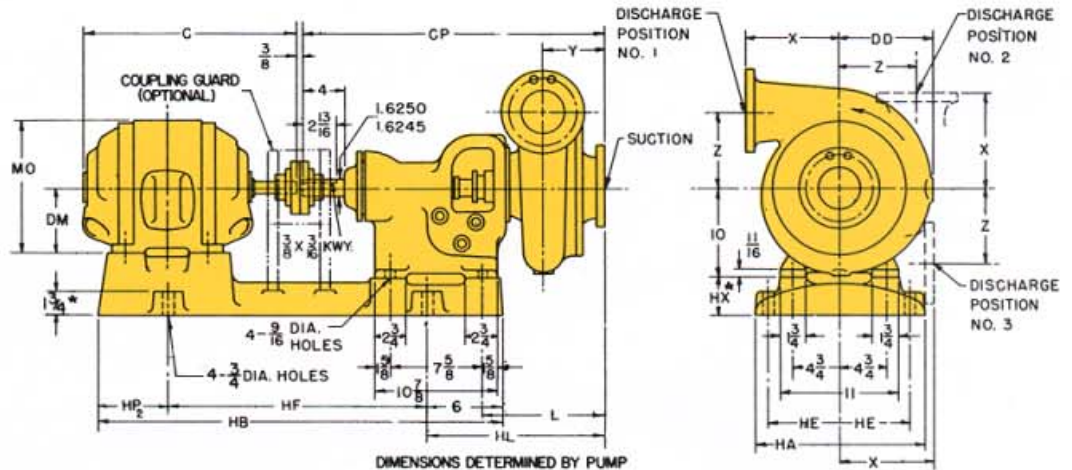
258-2

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# DIMENSIONS

. . . All Dimensions are in inches. Not to be used for construction purposes

## GROUP "M"



DIMENSIONS DETERMINED BY MOTOR

BEDPLATE NO.	MOTOR FRAME	C		DM	MO	WT W/CPLG	
		OPEN	ENCL			OPEN	ENCL
1	143 T	12 3/4	13	3 1/2	7	36	38
	145 T	12 3/4	13 1/2	3 1/2	7	44	44
	182	12 1/4	14 1/4	4 1/2	9	60	71
	182 T	13 3/4	14 5/8	4 1/2	9	64	64
	184	13 1/4	15 1/4	4 1/2	9	65	76
	184 T	14 3/4	15 5/8	4 1/2	9	78	78
	213	15 1/2	17 1/2	5 1/4	10 1/2	105	130
	213 T	16	17 3/4	5 1/4	10 1/2	135	156
	215	17	19	5 1/4	10 1/2	119	144
	215 T	17 1/2	19 1/4	5 1/4	10 1/2	149	184
2	254 U	20 3/8	23	6 1/4	12 5/8	171	190
	254 T	20 5/8	23 1/4	6 1/4	12 5/8	195	260
	256 U	22 1/8	24 3/4	6 1/4	12 5/8	197	217
	256 T	22 3/8	25 1/4	6 1/4	12 5/8	219	311
	284 U	23 3/4	26 3/8	7	14	256	326
	284 T	23 1/2	26 1/8	7	14	275	367
	284 TS	22 1/8	24 3/4	7	14	264	374
	286 U	25 1/4	27 7/8	7	14	301	366
	286 T	25	27 5/8	7	14	312	422
	286 TS	23 5/8	26 1/4	7	14	322	374
3	324 U	26 3/8	29 3/4	8	16	361	477
	324 T	26 1/8	29 3/8	8	16	425	571
	324 S	24 1/8	-	8	16	357	-
	324 TS	24 5/8	28 1/8	8	16	381	477
	326 U	28	31 3/8	8	16	312	422
	326 T	27 5/8	30 7/8	8	16	476	636
	326 S	25 5/8	28 7/8	8	16	531	548
	326 TS	26 1/8	29 3/8	8	16	412	562
	364 U	29 1/4	33 5/8	9	18 1/4	539	759
	364 US	26 5/8	31	9	18 1/4	535	695
4	404 US	29 5/8	-	10	20 1/4	746	-
	405 US	31 1/8	35 3/4	10	20 1/4	831	983

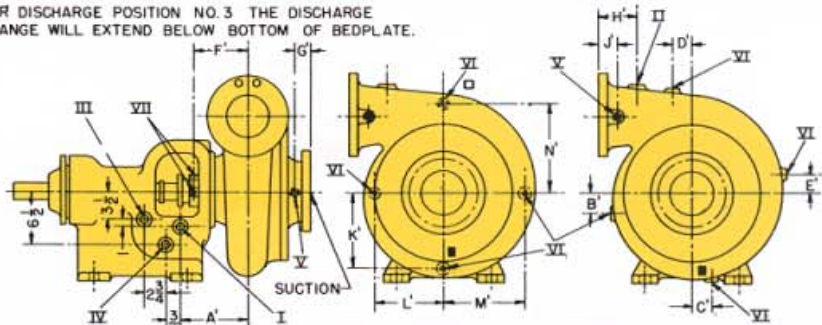
DIMENSIONS DETERMINED BY PUMP

DISCH SIZE	SUCT SIZE	CASING CLASS	HL	CP	DD	L	X	Y	Z	WT.
2	3	7	14 9/16	26 3/4	5 11/16	10 9/16	6 1/2	4 1/2	4	164
3	4	7	15 1/16	27 1/4	6 3/8	11 1/16	7	5	4 1/4	192
4	5	7	15 5/16	27 3/4	6 1/4	11 9/16	7 1/2	5 1/2	4 1/2	205
5	5	7	15 5/16	27 3/4	7	11 9/16	8	5 1/2	5	225
1 1/2	2	9	14 1/16	26 1/4	6 1/8	10 1/16	6 3/4	4	5 1/4	182
2	2 1/2	9	14 1/16	26 1/4	6 3/8	10 1/16	6 3/8	4	5	172
2 1/2	3	9	14 5/16	26 1/2	6 1/2	10 5/16	7 1/4	4 1/2	5 1/4	196
6	6	9	16 1/16	29	9 1/2	12 1/16	9 1/2	6 3/4	8	247
2 1/2	3	11	14 1/16	27	7 1/16	10 1/16	7 3/4	4 3/4	6 1/2	203
3	4	11	15 1/16	28	8 1/2	11 1/16	7 1/2	5 3/4	7 1/8	225
4	6	11	16 1/16	28 1/4	9	12 1/16	8 1/2	6	7 1/4	257
2 1/2	3	13	14 1/16	26 7/8	8 1/2	10 1/16	8 1/2	4 3/4	7	220
3	4	13	15 1/4	27 7/8	8 13/16	11 1/4	8 1/2	5 1/8	7 1/2	230
4	6	13	15 1/16	28 1/8	9 1/16	11 1/16	9	5 1/2	7 1/2	250

PUMP SIZE	A'	B'	C'	D'	E'	F'	G'	H'	J'	K'	L'	M'	N'
2 X 3-7	5 1/16	1 1/4	0	0	0	3 1/8	1 1/4	2	1 1/4	-	-	-	-
3 X 4-7	5 1/16	0	0	0	0	3 1/8	1 1/2	2	1 5/16	-	-	-	5 7/8
4 X 5-7	5 1/16	1/4	0	-	-	3 1/8	1 1/2	2 1/4	1 1/2	-	-	-	5 7/8
5 X 5-7	5 1/16	1/2	0	-	-	3 1/8	1 1/2	2 1/2	1 1/2	-	-	-	6 1/4
1 1/2 X 2-9	5 1/16	0	0	0	0	3 1/8	1 1/8	2	1 1/8	-	-	-	-
2 X 2 1/2-9	5 1/16	0	0	0	0	3 1/8	1 5/16	2 1/2	1 1/4	-	-	-	-
2 1/2 X 3-9	5 1/16	0	0	0	-	3 1/8	3/8	2 1/4	1 5/16	-	-	-	5 13/16
6 X 6-9	5 1/16	0	0	-	-	3 1/8	2 1/16	3	1 3/4	-	-	-	8 1/2
2 1/2 X 3-11	5 1/16	-	-	-	-	3 1/8	1 1/8	3	1 1/2	6 1/2	6	7 1/2	7 1/2
3 X 4-11	5 1/16	0	-	-	-	3 1/8	1 1/2	3	1 1/8	6 1/16	-	7 1/8	8 1/4
4 X 6-11	5 1/16	0	-	-	-	3 1/8	1 5/8	3	1 1/2	7	-	8 1/8	8 1/16
2 1/2 X 3-13	5 1/16	-	-	-	-	3	1/16	-	1 1/4	7 1/16	7 1/16	7 5/8	7 7/8
3 X 4-13	5 1/8	-	-	-	-	3 1/16	1 3/8	-	1 1/8	7 1/16	7 1/16	7 13/16	8
4 X 6-13	5 1/16	-	-	-	-	3 1/2	1 7/16	-	1 1/2	7 5/16	7 1/16	8 1/8	8 3/8

● TAP ON OPPOSITE SIDE TO THAT SHOWN WHEN FACING SUCTION

▲ FOR DISCHARGE POSITION NO. 3 THE DISCHARGE FLANGE WILL EXTEND BELOW BOTTOM OF BEDPLATE.



NO.	PIPE TAP SIZE	NO. TAPS	PURPOSE
I	3/4	2	OVERFLOW CONNECTION
II	1/2	1	CASING VENT OR PRIME
III	3/4	2	BRG. COOLANT OUTLET
IV	3/4	2	BRG. COOLANT INLET
V	1/4	2	GAUGE CONNECTIONS
VI	1/4	1	CASING DRAIN
VII	1/4	2	LANTERN RING CONNECTION

FLANGE DIMENSIONS					
I.D.	O.D.	B.C.	THICKNESS	NO. HOLES	SIZE HOLES
1 1/2	5	3 3/8	9/16	4	5/8
2	6	4 1/2	5/8	4	3/4
2 1/2	7	5 1/2	11/16	4	3/4
3	7 1/2	6	3/4	4	3/4
4	9	7 1/2	15/16	6	7/8
5	10	8 1/2	15/16	8	7/8
6	11	9 1/2	1	8	7/8

245-74

DIMENSIONS DETERMINED BY BEDPLATE

BEDPLATE NO.	HA	HB	HE	HF	HP <sub>2</sub>	HX	WT
1	14 1/2	34 1/4	6 1/4	21 3/4	6 1/2	2 1/2	80
2	17	41 1/4	7 1/2	25 1/2	9 3/4	2 1/2	101
3	20 1/2	44 3/4	9 1/4	28 1/2	10 1/4	3	125
4	22 1/2	47 3/4	10 1/4	30 1/2	11 1/4	3	130

★ MAY BE EXCEEDED BY 3/8" BUT NEVER WILL BE LESS THAN DIMENSION SHOWN. ALLOWANCE FOR VARIANCE SHOULD BE MADE IN GROUTING AND FOUNDATION BOLT LENGTH.

□ SIZES 3 X 4-13 AND 4 X 6-13 HAVE 3/8" PIPE TAP.

■ SIZES 2 1/2 X 3-9, 4 X 5-7, 5 X 5-7 AND 3 X 4-11 HAVE 1/2" PIPE TAPS.

▲ SIZES 1 1/2 X 2-9, 2 X 2 1/2-9, AND 2 X 3-7 HAVE 3/8" PIPE TAP.

SIZE 2 1/2 X 3-11 HAS A 1/4" PIPE TAP. SIZE 6 X 6-9 HAS A 3/4" PIPE TAP.

Packaging - Processing

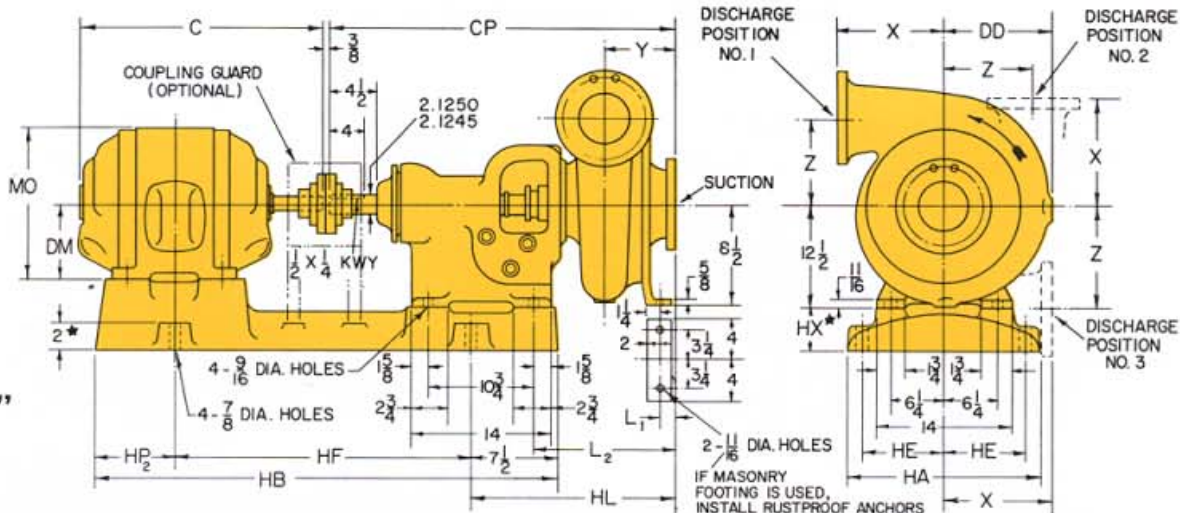
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# DIMENSIONS

... All Dimensions are in inches. Not to be used for construction purposes



## GROUP "L"

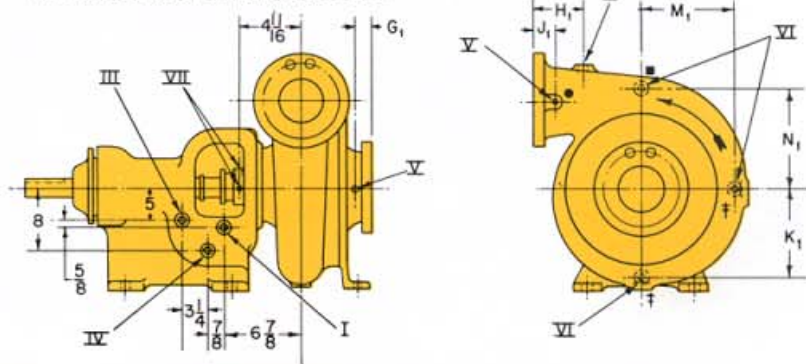
DIMENSIONS DETERMINED BY MOTOR

BEDPLATE NO.	MOTOR FRAME	C		DM	MO	WT. W/CPGLG.	
		OPEN	ENCL.			OPEN	ENCL.
1	254 U	20 3/8	23	6 1/4	12 5/8	179	198
	254 T	20 5/8	23 1/4	6 1/4	12 5/8	203	268
	256 U	22 1/8	24 3/4	6 1/4	12 5/8	205	225
	256 T	22 3/8	25 1/4	6 1/4	12 5/8	227	319
	284 U	23 3/4	26 3/8	7	14	264	334
	284 T	23 1/2	26 1/8	7	14	279	371
	286 U	25 1/4	27 7/8	7	14	309	374
	286 T	25	27 5/8	7	14	316	426
2	324 U	26 3/8	29 3/4	8	16	365	481
	324 T	26 1/8	29 3/8	8	16	425	571
	326 U	28	31 3/8	8	16	396	556
	326 T	27 5/8	30 7/8	8	16	476	636
	364 U	29 1/4	33 5/8	9 1/8	18 1/4	539	759
	364 T	28 3/4	33 1/8	9 1/8	18 1/4	583	803
	364 US	26 5/8	31	9	18 1/4	539	699
	364 TS	26 5/8	31	9	18 1/4	590	750
	365 U	30 1/2	34 5/8	9	18 1/4	589	829
	365 T	29 3/4	34 1/8	9	18 1/4	671	924
365 US	27 5/8	32	9	18 1/4	589	759	
365 TS	27 5/8	32	9	18 1/4	652	861	
3	404 U	32 1/2		10	20 1/4	723	
	404 T	32 5/8		10	20 1/4	852	
	404 US	29 5/8		10	20 1/4	746	
	404 TS	29 5/8		10	20 1/4	824	
	405 U	34	38 5/8	10	20 1/4	808	1035
405 T	34 1/8	38 7/8	10	20 1/4	966	1162	
405 US	31 1/8	35 3/4	10	20 1/4	831	983	

DIMENSIONS DETERMINED BY PUMP

GRP.	DISCH SIZE	SUCT SIZE	CASING CLASS	HL	CP	DD	L <sub>1</sub>	L <sub>2</sub>	X	Y	Z	G <sub>1</sub>	H <sub>1</sub>	J <sub>1</sub>	K <sub>1</sub>	M <sub>1</sub>	N <sub>1</sub>	WT.
L	4	6	13	18 3/8	32 7/16	9 3/4	1 1/16	13 1/4	9	5 1/2	7 1/2	15/8		1 1/2	8 1/2	8 1/16	9 3/8	534
	6	8	13	19 3/8	33 3/16	10 3/4	2	14	10	6 1/2	8 1/4	2 1/8		1 1/2	7 7/8	9 5/8	10 5/8	475
	8	8	11	21 3/8	35 3/16	12 3/4	2 3/8	16	10 1/2	8 1/2	10	15/8	3 3/4	1 1/2	9 5/8	11 1/4	12 3/4	500

▲ NOTE: FOR DISCHARGE POSITION NO. 3, DISCHARGE FLANGE WILL EXTEND BELOW BOTTOM OF BEDPLATE.



NO.	PIPE TAP SIZE	NO TAPS	PURPOSE
I	3/4	2	STUFFING BOX OVERFLOW CONN.
II	3/4	1	CASING PRIME OR VENT
III	3/4	2	BRG. COOLANT OUTLET
IV	3/4	2	BRG. COOLANT INLET
V	1/4	2	GAUGE CONNECTIONS
VI	3/4	1	CASING DRAIN OR VENT
VII	3/8	2	LANTERN RING CONNECTION

FLANGE DIMENSIONS					
I.D.	O.D.	B.C.	THICK-NESS	NO. HOLES	SIZE HOLES
4	9	7 1/2	15/16	8	3/4
6	11	9 1/2	1	8	7/8
8	13 1/2	11 3/4	* 1 1/8	8	7/8

\* FLANGE THICKNESS ON 8 X 8 - 11 PUMP IS 7/8"

DIMENSIONS DETERMINED BY BEDPLATE

BEDPLATE NO.	HA	HB	HE	HF	HP <sub>2</sub>	HX	WT.
1	19 1/2	44 1/2	8 1/2	29	8	3 1/2	185
2	21 1/2	48 1/4	9 1/2	30	10 3/4	4	215
3	23	51 1/4	10 1/4	32	11 3/4	4	235

★ MAY BE EXCEEDED BY 3/8" BUT NEVER WILL BE LESS THAN DIMENSION SHOWN. ALLOWANCE FOR VARIANCE SHOULD BE MADE IN GROUTING AND FOUNDATION BOLT LENGTH.

- SIZES 4 X 6 - 13 & 6 X 8 - 13 HAVE 3/8" PIPE TAP
- SIZE 8 X 8 - 11 HAS 3/4" PIPE TAP
- ‡ SIZE 8 X 8 - 11 HAS 3/4" PIPE TAP
- PIPE TAP IS ON SUCTION SIDE AS SHOWN ON SIZE 8 X 8 - 11
- PIPE TAP IS ON OPPOSITE SIDE ON SIZES 4 X 6 - 13 & 6 X 8 - 13

245-75

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