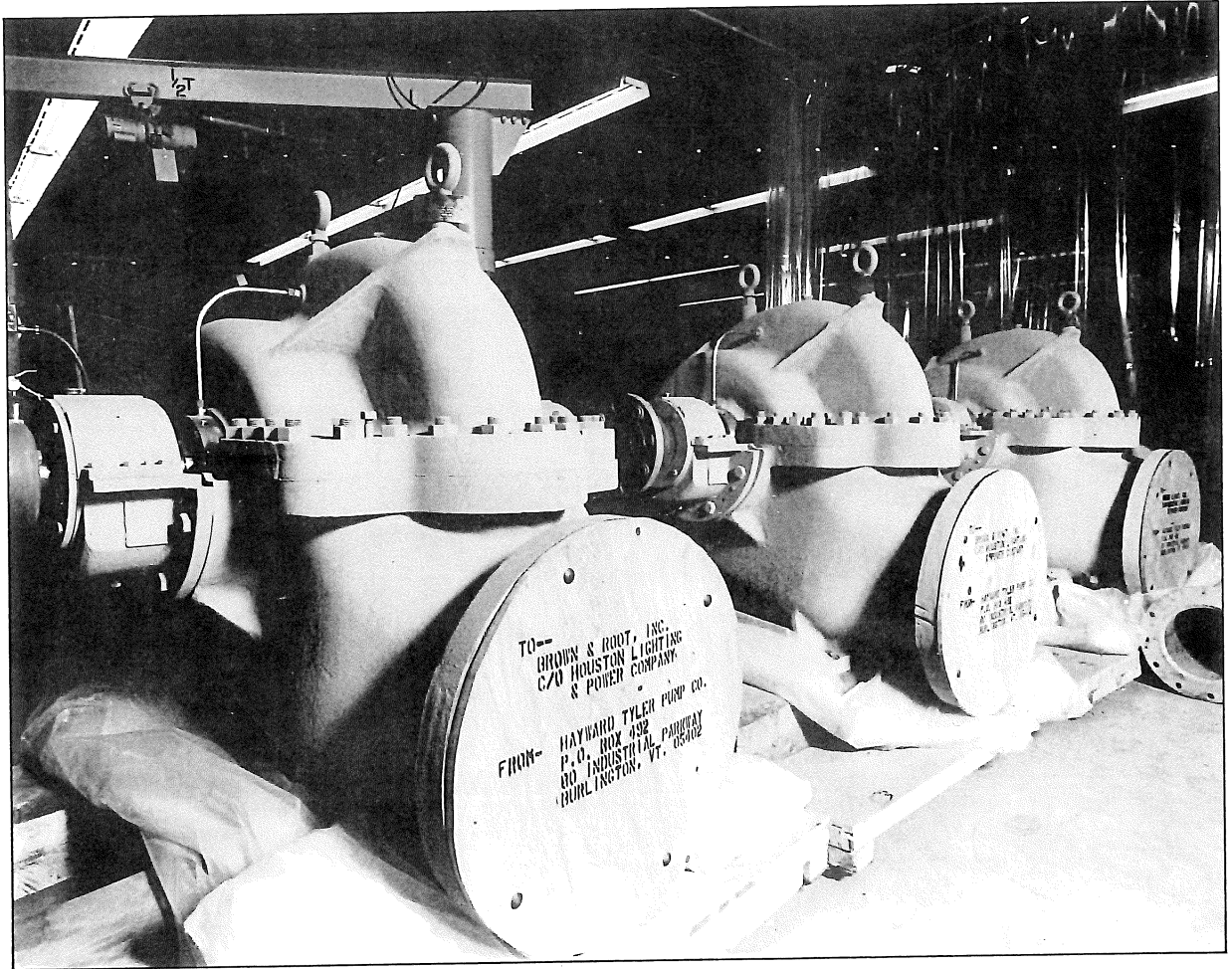


Type D Double Suction Pumps



Hayward Tyler
The Pump Company

Range Chart-for preliminary selections

Capacity USGPM

Hayward Tyler Pumps-Type D

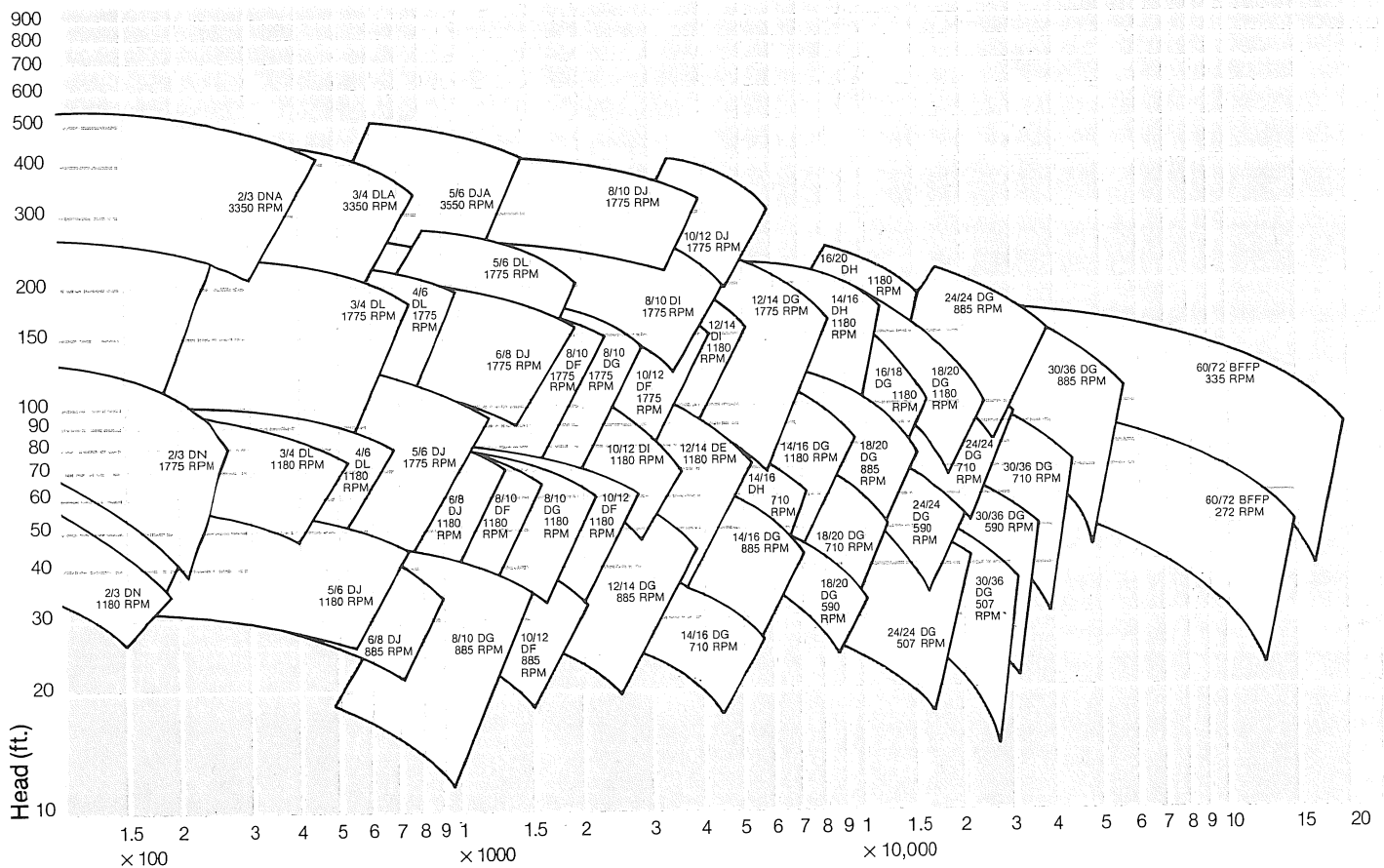


Chart shows normal selection based upon water at 85°F and 15 ft. maximum suction lift at sea level.
Ratings beyond range of chart on application.

DESIGN FEATURES

Horizontally split casing for ease of inspection and maintenance of rotating element.

Large shafts, double voluted casings on large sizes removes cause of shaft failures.

Mechanical seals available.

Separate bearing brackets on large sizes.

Standard designs to 500 ft. head—capacity to 160,000 USGPM.

Custom designs available for higher heads, larger capacity.

Double suction impellers provide stable head capacity curve at high efficiency.

Available in wide variety of materials.

Casing and impeller wear rings standard.

Shaft fully protected from the pump fluid by “O” Ring between shaft sleeve and impeller.

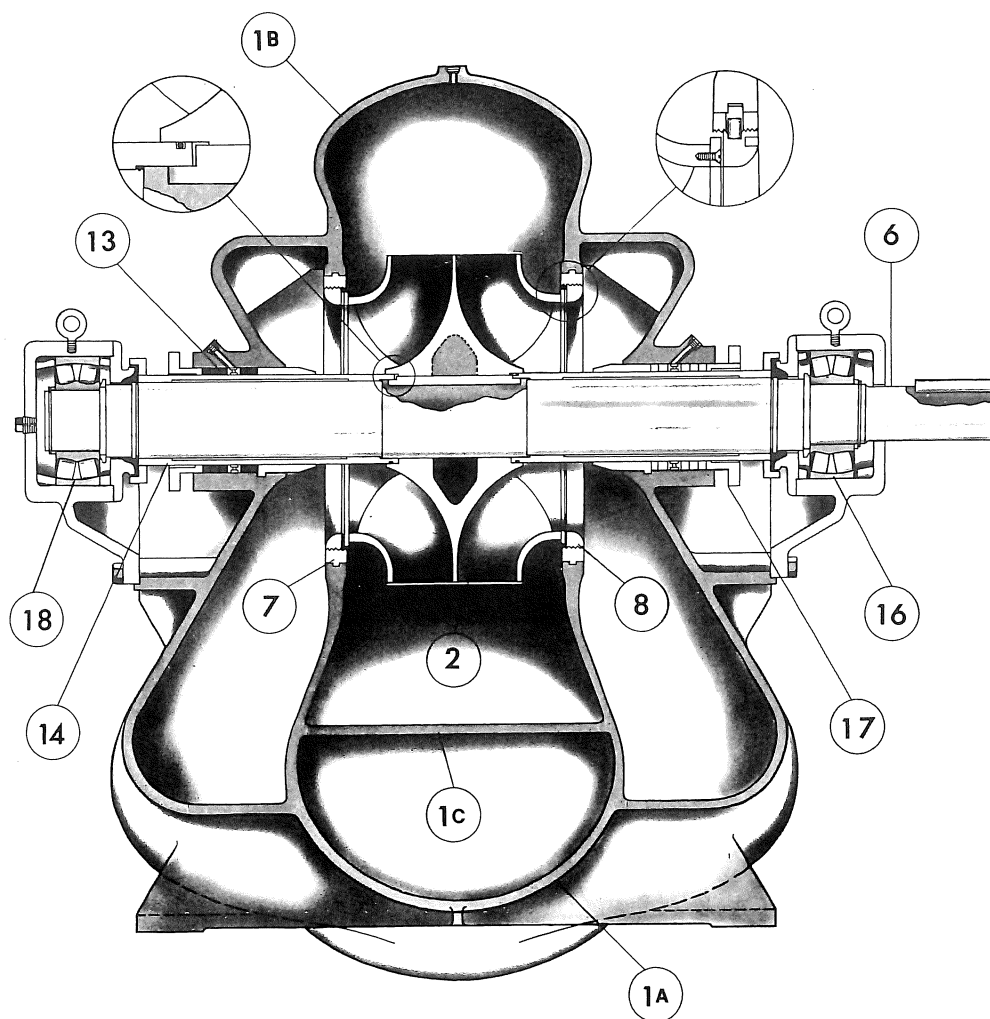
Hardened shaft sleeves supplied for longer life.

Choice of Bearings: Grease packed anti-friction, oil ring lubrication anti-friction, oil ring lubricated sleeve radial bearings with ball thrust bearing, Kingsbury type radial and thrust bearings.

Supplied with either clockwise or counter-clockwise rotation.

A complete range of sizes to cover specific industry requirements.

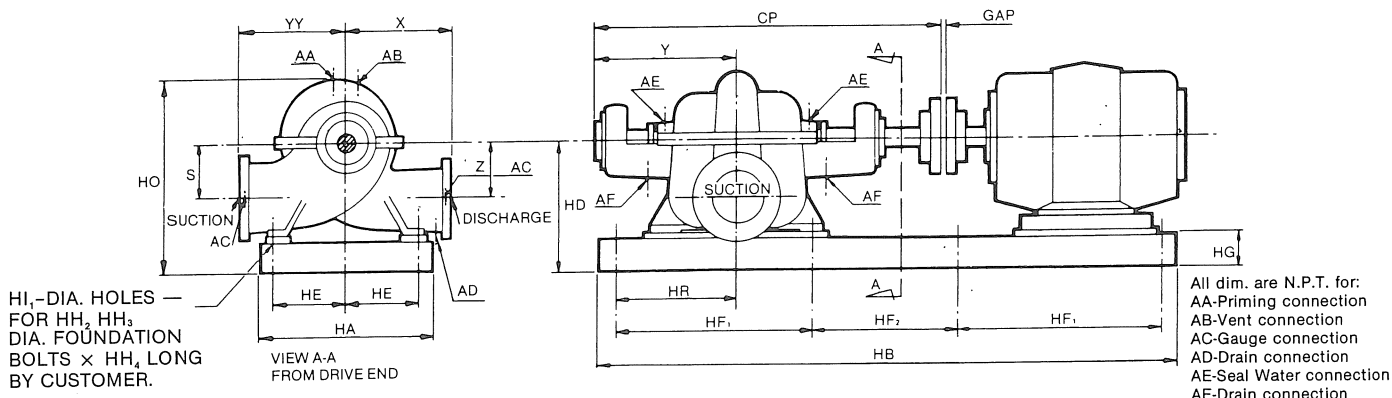
TYPE D



SECTIONAL ARRANGEMENT

- | | | | |
|-----------|---------------------|-----------|--------------------|
| 1a | Casing (lower half) | 8 | Impeller Ring |
| 1b | Casing (upper half) | 13 | Packing |
| 1c | Splitter | 14 | Shaft Sleeve |
| 2 | Impeller | 16 | Bearing (inboard) |
| 6 | Shaft | 17 | Gland |
| 7 | Casing Ring | 18 | Bearing (outboard) |

Outline Dimensions



Not Certified-Do not use for final construction

Pump		Suct.	Dis.	AA	AB	AC	AD	AE	AF	CP	S	X	Y	YY	Z	Base	HD	HO	HR	Motor	Base	HD	HO	HR	Motor
2 x	3 x 12 DN*	3	2	1/2	1/4	3/8	—	1/4	1/2	31 7/8	4 3/4	8	14	9 3/4	6 3/8		15	22 1/8	11 3/4			17	24 1/8	12 7/8	
3 x	4 x 14 DL	4	3	1/2	1/4	3/8	1/2	3/8	1/2	31 7/8	7 1/2	11	14	11	7 1/2		15 1/4	23 3/8	11 3/4	213		18	26 3/8	12 3/4	364U
3 x	4 x 14 DL*	4	3	1/2	1/4	3/8	1/2	3/8	1/2	31 7/8	7 1/2	11	14	11	7 1/2	1	15 1/4	23 3/8	11 3/4	to	2	18	26 3/8	12 3/4	to
4 x	6 x 14 DL	6	4	1/2	1/4	3/8	1/2	1/4	1/2	31 7/8	8 1/4	10 1/2	14	12	8 1/4		17	26	11 3/4	364U		20	29	12 3/8	445U
5 x	6 x 10 DJ	6	5	1/2	3/8	3/8	—	3/8	1/2	31 7/8	5 7/8	10 3/8	14	11 1/2	5 7/8		14 3/4	22 1/8	11 3/4			17 3/4	25 1/8	12 3/8	
5 x	6 x 10 DJ*	6	5	1/2	3/8	3/8	—	3/8	1/2	36 3/8	5 7/8	10 3/8	16 1/8	11 1/2	5 7/8		17 3/4	25 1/8	12 3/8			18 1/2	25 3/8	12 3/4	
5 x	6 x 14 DL	6	5	3/4	1/4	3/8	—	1/4	1/2	39 3/4	7 3/4	14	17 3/8	14	8 1/4		19 3/4	29 3/8	12 3/8			19 3/4	29 3/8	12 3/4	405U
6 x	8 x 14 DJ	8	6	3/4	1/4	3/8	—	1/4	1/2	39 3/4	6 1/8	15 1/4	17 3/8	15 1/4	7 1/4		17 1/4	26 1/8	12 3/8	256U		19	27 7/8	12 3/4	to
8 x	10 x 14 DF	10	8	1	1/4	3/8	—	1/4	1/2	39 3/4	7 7/8	18 1/4	17 3/8	18 1/4	7 1/4	2	17 1/4	26 1/8	12 3/8	to	3	19	27 7/8	12 3/4	509US
8 x	10 x 14 DG	10	8	1/2	1/4	3/8	1/2	1/4	3/4	39 3/4	8 1/2	13 3/4	17 3/8	15	8 1/2		21	30 3/8	12 3/8	405U		22 1/4	31 7/8	12 3/4	
8 x	10 x 16 DI	10	8	1/2	3/8	3/8	1/2	3/8	1/2	42 3/4	9 5/8	16	19	16	9 5/8		20 3/8	31 3/8	12 3/8			23 1/2	34 3/8	12 3/4	
8 x	10 x 20 DJ	10	8	1/2	3/8	3/8	1/2	1/4	3/4	41	11 1/4	16	18	16	11 1/4		22 1/4	34 3/8	12 3/8			25 1/4	37 3/8	15 3/4	
10 x	12 x 14 DF	12	10	3/4	1/4	3/8	1/2	1/4	3/4	48 3/8	9 3/4	16	21 1/8	17	9 3/4		21 7/8	33	12 3/8			25	36 3/8	15 3/4	445US
10 x	12 x 16 DI	12	10	3/4	1/4	3/8	1/2	1/4	3/4	53 1/8	11 3/8	17	24 1/8	18	11 3/8		24	36 3/8	14 7/8	404U		27	39 3/8	15 3/4	to
10 x	12 x 20 DJ	12	10	3/4	1/4	3/8	3/4	1/4	3/4	53 1/8	12	20	24 1/8	18	12		24 1/2	37 3/8	14 7/8	to	4	27 1/2	40 7/8	15 3/4	588
12 x	14 x 16 DE	14	12	3/4	1/4	3/8	1/2	1/4	3/4	53 1/8	11 3/8	18	24 1/8	19 1/2	11 3/8		24 3/4	37 3/8	14 7/8	445U		28	40 7/8	15 3/4	
12 x	14 x 16 DG	14	12	3/4	1/4	3/8	1/2	1/4	3/4	53 1/8	11 3/8	18	24 1/8	19 1/2	11 3/8		24 3/4	37 3/8	14 7/8			28	40 7/8	15 3/4	
12 x	14 x 22 DI	14	12	1 1/4	1/4	3/8	3/4	1/4	3/4	53 1/8	12 3/8	20	24 1/8	21	12 3/8		29	43 1/4	17 1/4	444US		29	43 1/4	18 1/4	686
14 x	16 x 18 DG	16	14	3/4	1/4	1/2	3/4	1/4	3/4	62 1/8	13 1/4	22	27 3/8	24	13 1/4	5	31	46 1/2	17 1/4	to	6	31	46 1/2	18 1/4	to
14 x	16 x 22 DH	16	14	1 1/4	1/2	1/2	3/4	1/2	3/4	70 1/8	16 3/8	23	31 1/8	27	16 3/8		33 1/2	51 1/8	17 1/4	686		33 1/2	51 1/8	18 1/4	689
18 x	20 x 22 DG	20	18	1	1/2	3/8	1	1/2	3/4	70 1/8	17 3/8	24	31 1/8	29	17 3/8										
20 x	24 x 28 DH	24	20	1	1/4	3/8	1	1/2	1	76 1/2	22 1/2	36	34 3/4	36	22 1/2										
24 x	24 x 28 DG	24	24	1 1/2	1/2	3/8	1	1/2	1	84 1/2	22 3/4	28	38	46	22 3/4										
30 x	36 x 32 DG	30	24	1 1/2	1/2	3/8	1	1/2	1	84 1/2	23 3/4	28	38	46	22 3/4										
SPECIAL																									

SPECIAL

Base	HA	HB	HE	HF ₁	HF ₂	HG	HH ₁	HH ₂	HH ₃	HH ₄
1	18	60	7 1/2	28 1/2	—	4	7/8	6	3/4	1'-0"
2	24	72	10 1/2	34 1/2	—	5	1	8	7/8	1'-4"
3	30	84	13 1/2	29 1/2	22	5	1	8	7/8	1'-4"
4	30	96	13 1/2	35	23	5	1	8	7/8	1'-4"
5	42	108	19 1/2	40	25	5	1	8	7/8	1'-4"
6	42	120	19 1/2	43	31	5	1	8	7/8	1'-4"

Notes

- Customer to specify rotation from drive and when ordering. Counter clockwise rotation shown.
- Suction and discharge flanges are A.S.A. 125 lb. C.I. (150 lb. steel) except as noted * which are 250 lb. for 3550 RPM services.
- Suction and discharge pipes MUST BE independently supported.
- Tolerance on dimension ± 1/8".

Hayward Tyler

PUMP COMPANY

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A STONE-PLATT COMPANY