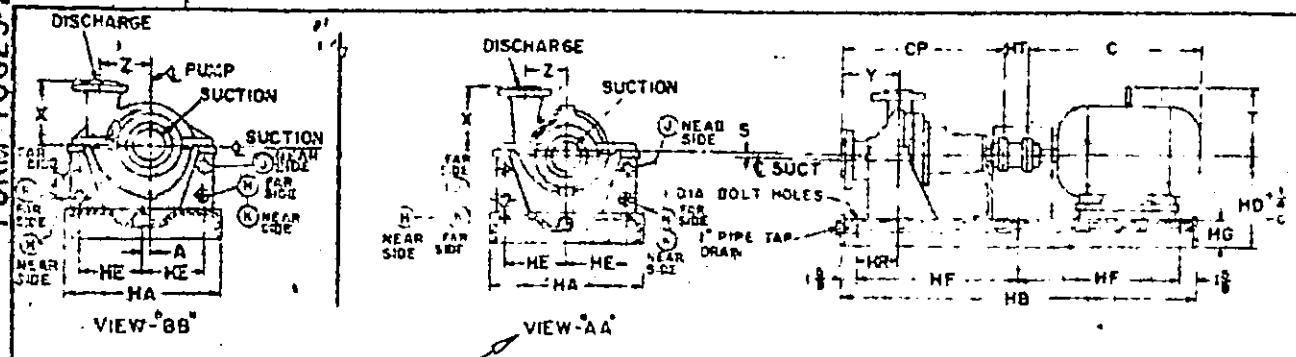




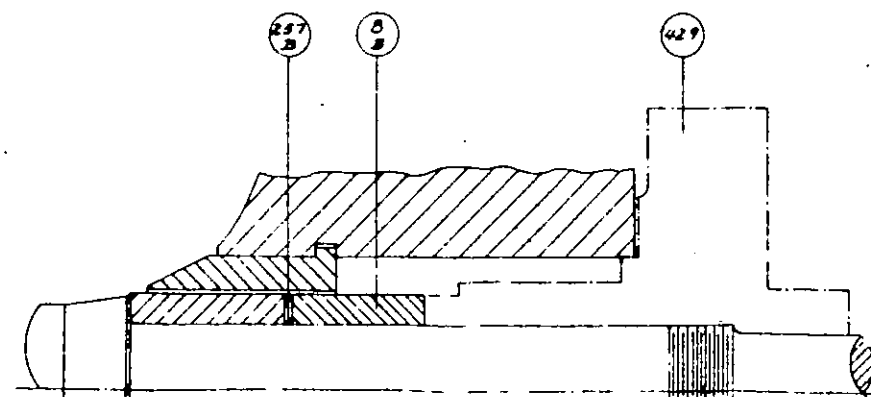
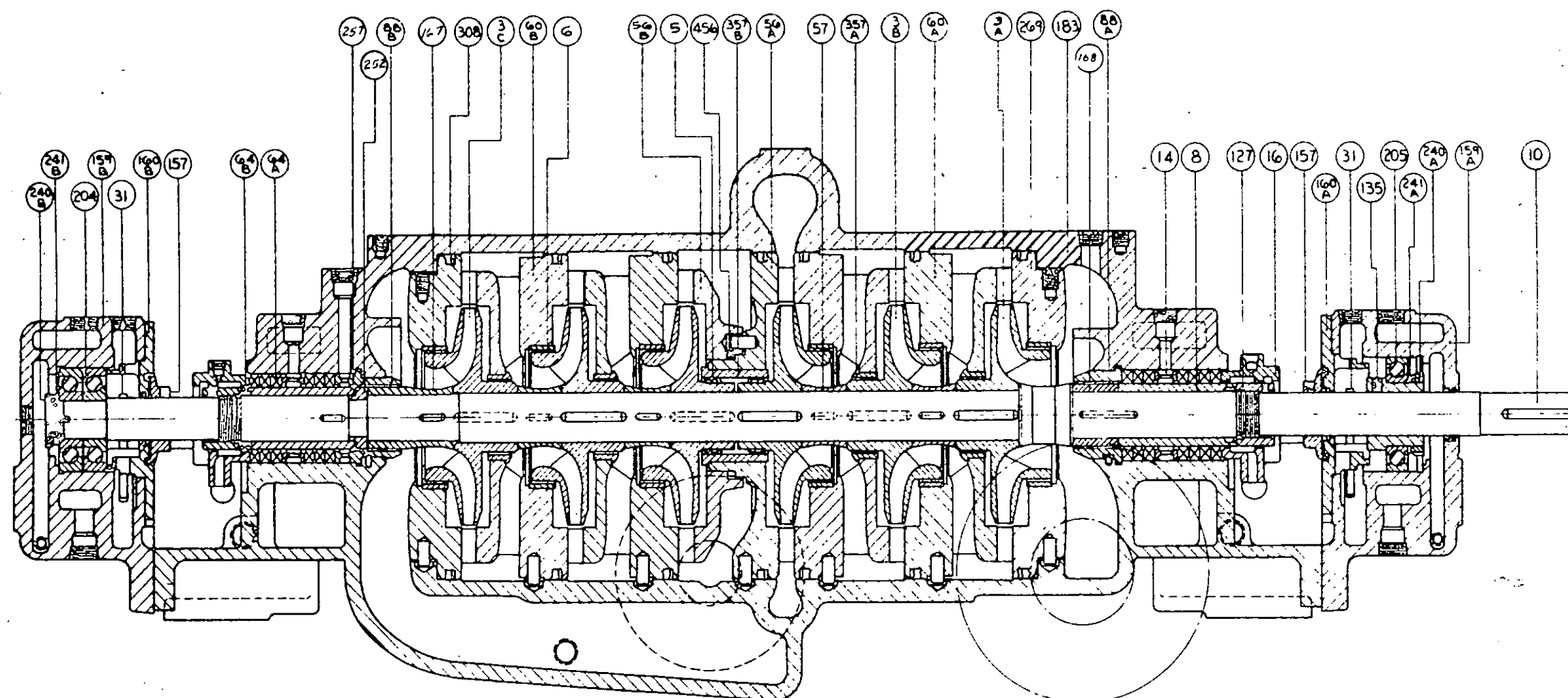
PUMP DATA														BASEPLATE NUMBER FOR MOTOR FRAME	
LINE NO.	PUMP	VIEW	WEIGHT	SUCT	DISCH	A	S	X	Y	Z	CP	HR	HT		
1	1 1/2 X 7AL/ALN/ALS	AA	245	3	1 1/2	—	0	0 1/2	6 1/2	4 1/2	27 1/2	5	4 1/2	NO 12 (182-256)	NO 13 (284-326)
2	3 X 7 A/AN /AS	AA	265	4	3	—	0	0 1/2	6 1/2	4 1/2	27 1/2	5	4 1/2		
3	1 X 8 A/AN /AS	AA	250	2	1	—	0	0 1/2	7	4 1/2	28 1/2	5	4 1/2		
4	1 1/2 X 8 A/AN /AS	AA	270	2 1/2	1 1/2	—	0	0 1/2	7	5 1/2	28 1/2	5	4 1/2		
5	2 X 8 A/AN /AS	AA	275	3	2	—	0	0 1/2	7	5 1/2	28 1/2	5	4 1/2	NO 14 (182-256)	NO 15 (284-366)
6	3 X 7AL/ALN/ALS	AA	290	4	3	—	0	0 1/2	6 1/2	5	27 1/2	6 1/2	4 1/2		
7	3 X 8 A/AN /AS	AA	305	4	3	—	0	1	7 1/2	6	29 1/2	6 1/2	4 1/2		
8	4 X 8 A/AN /AS	AA	360	6	4	—	0	1 1/2	10 1/2	7 1/2	31 1/2	6 1/2	4 1/2		
9	1 X 10 A/AN /AS	AA	345	2	1	—	0	0 1/2	7	5 1/2	31 1/2	6 1/2	4 1/2	NO 16 (182-256)	NO 17 (284-366)
10	1 1/2 X 10 A/AN /AS	AA	360	2 1/2	1 1/2	—	0	0 1/2	7	5 1/2	31 1/2	6 1/2	4 1/2		
11	2 X 10 A/AN /AS	AA	375	4	2	—	0	0 1/2	7 1/2	5 1/2	31 1/2	6 1/2	4 1/2		
12	3 X 10 A/AN /AS	AA	390	4	3	—	0	1	10 1/2	6 1/2	31 1/2	6 1/2	4 1/2		
13	4 X 10 A/AN /AS	AA	420	6	4	—	0	1 1/2	10 1/2	7 1/2	32 1/2	6 1/2	4 1/2	NO 18 (182-256)	NO 19 (284-366)
14	4 X 7AL/ALN/ALS	AA	360	6	4	—	0	1	10 1/2	7 1/2	32 1/2	6 1/2	4 1/2		
15	4 X 8 A/AN /AS	AA	460	6	4	—	0	1 1/2	11 1/2	8 1/2	34 1/2	6 1/2	5		
16	2 X 12 A/AN /AS	AA	500	4	2	—	0	1 1/2	12 1/2	7 1/2	33 1/2	6 1/2	5		
17	3 X 12 A/AN /AS	AA	575	6	3	—	0	1 1/2	13 1/2	8 1/2	34 1/2	6 1/2	5	NO 20 (182-256)	NO 21 (284-366)
18	4 X 11 A/AN	AA	715	8	4	—	0	1 1/2	14 1/2	9 1/2	36 1/2	6 1/2	5		
19	4 X 12 A/AN /AS	AA	675	6	4	—	0	1 1/2	13 1/2	8 1/2	35 1/2	6 1/2	5		
20	4 X 13 A/AN	AA	700	6	4	—	0	1 1/2	14 1/2	9 1/2	36 1/2	6 1/2	5		
21	5 X 12 A/AN /AS	AA	715	8	5	—	0	1 1/2	14 1/2	9 1/2	35 1/2	6 1/2	5	NO 22 (182-256)	NO 23 (284-366)
22	5 X 15 A	BB	1200	9	6	2 1/2	0	1 1/2	16 1/2	11 1/2	39 1/2	10 1/2	7		
23	6 X 15 A	BB	1350	10	8	2 1/2	0	1 1/2	16 1/2	12	40 1/2	10 1/2	7		
24	6 X 17 A	DB	1500	10	8	3 1/2	0	1 1/2	19 1/2	13 1/2	41 1/2	10 1/2	7		
25	10 X 17 A	DB	1700	12	10	3 1/2	0	1 1/2	19 1/2	15	42 1/2	10 1/2	7	NO 24 (182-256)	NO 25 (284-366)
26	8 X 19 A	AA	1400	9	6	—	0	1 1/2	17 1/2	13 1/2	39 1/2	10 1/2	7		
27	6 X 19 AL	AA	1550	10	8	—	0	1 1/2	17 1/2	13 1/2	39 1/2	10 1/2	7		
28	8 X 21 A	BB	1650	10	8	3	0	1 1/2	19 1/2	15 1/2	41 1/2	10 1/2	7		
29	8 X 21 AL	DB	1850	12	10	3	0	1 1/2	19 1/2	15 1/2	42 1/2	10 1/2	7	NO 26 (182-256)	NO 27 (284-366)
30	10 X 21 A	BB	1650	10	8	3	0	1 1/2	19 1/2	15 1/2	41 1/2	10 1/2	7		
31	10 X 21 AL	DB	1850	12	10	3	0	1 1/2	19 1/2	15 1/2	42 1/2	10 1/2	7		
32	12 X 21 A	BB	1850	12	10	3	0	1 1/2	19 1/2	15 1/2	42 1/2	10 1/2	7		

MOTOR DATA																
FRAME	182	184	213	215	254	256	284	286	324	326	364	366	404	406	444	446
WEIGHT	70	80	125	150	230	260	320	340	520	590	650	920	1080	1230	1400	1500
C ¹	4 3/8	5 3/8	7 3/8	8 1/4	11 1/4	12 1/4	15 1/4	16 1/4	20 1/4	22 1/4	25 1/4	33 1/4	37 1/4	40 1/4	42 1/4	44 1/4
T ¹	4 1/4	4 1/4	5 1/4	6 1/4	8 1/4	9 1/4	10 1/4	10 1/4	11 1/4	11 1/4	12 1/4	12 1/4	14 1/4	14 1/4	15 1/4	15 1/4

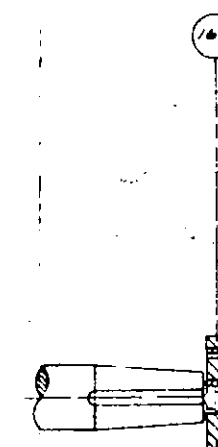
* BASED ON TOTALLY ENCLOSED FAN-COOLED MOTORS. DIMENSIONS AND WEIGHTS WILL VARY WITH FRAME AND TYPE OF MOTORS.

PRELIMINARY DO NOT USE FOR CONSTRUCTION														FSS ENDORSED BELOW	
CUSTOMER HUDSON ENGR. CORP. / DOW CHEMICAL CO.														CUST. ORD. NO. 7005-5-1	
PROJECT AND LOCATION														CUST. REQ. NO.	
LR. IT NO.	CUST IT NO.	LINE NO. PUMP	EXT. SEAL	FIG "B	FRAME & ENCLOSURE	HP REV	BASE NO.	COUP GUARD	PIPING ARRANGEMENT						
									FIG."B	FIG. NO.	PLAN	BY DT LR			
1	P-10A/B	17 BX12AR	NO	YES	40473 D. PROOF	100 3600	19	YES	NO	1	A	YES			
INGERSOLL - RAND COMPANY															
CERTIFIED ONLY WHEN ENDORSED BELOW															
ORDER NO. 020-31499															
PER \$ 2000000 DATE 1/20/69															

67261



MECHANICAL SEAL - WHEN USED



TAPER END SHAFT
WHEN USED

164	COUPLING NUT
429	MECHANICAL SEAL COMPLETE
257B	SHAFT SLEEVE NUT
8B	SHAFT SLEEVE
168	SHOULDER COLLAR
257	SHAFT
252	SPLIT RING
357B	CHANNEL RING BUSHING - CENTER
454	COMPENSATOR GASKET
357A	CHANNEL RING BUSHING
308	SEALING RING
241	SUCTION RING - EACH END
241B	LOCK WASHER - THRUST BALL BRG
241A	LOCK WASHER - RADIAL BALL BRG
240B	LOCK NUT - THRUST BALL BRG
240A	LOCK NUT - RADIAL BALL BRG
205	RADIAL BALL BEARING
31	THRUST BALL BEARING
100B	CASING COMPLETE
100A	END COVER - THRUST BALL BRG
100A	END COVER - RADIAL BALL BRG
159B	BEARING HOUSING - THRUST BALL BRG
159A	BEARING HOUSING - RADIAL BALL BRG
157	FLINGER
135	JOURNAL SLEEVE
127	SHAFT SLEEVE NUT
127	SPACING SLEEVE
88B	STUFFING BOX BUSHING - DISCH END
88A	STUFFING BOX BUSHING - SUCT END
64B	PACKING - SHAFT SLEEVE
64A	PACKING - STUFFING BOX
60B	CHANNEL RING - 4TH & 5TH STG
60A	CHANNEL RING - 1ST & 2ND STG
57	INTERMEDIATE SLEEVE
54B	DIFFUSER - 6TH STG
54A	DIFFUSER - 3RD STG
31	OIL RING
16	GLAND - TWO HALVES
16	WATER SEAL CAGE
10	SHAFT
8	SHAFT SLEEVE
6	CASING RING
5	IMPELLER BUSHING RING
3C	IMPELLER - 4TH - 5TH & 6TH STGS
3B	IMPELLER - 2ND & 3RD STGS
3A	IMPELLER - 1ST STG

QTY	DESCRIPTION	UNIT	QTY	DESCRIPTION	UNIT
1	IMPELLER - 1ST STG	EA	1	IMPELLER - 2ND & 3RD STGS	EA
1	IMPELLER - 4TH - 5TH & 6TH STGS	EA	1	IMPELLER BUSHING RING	EA
1	IMPELLER - 1ST STG	EA	1	IMPELLER - 2ND & 3RD STGS	EA
1	IMPELLER - 4TH - 5TH & 6TH STGS	EA	1	IMPELLER BUSHING RING	EA

QTY	DESCRIPTION	UNIT	QTY	DESCRIPTION	UNIT
1	IMPELLER - 1ST STG	EA	1	IMPELLER - 2ND & 3RD STGS	EA
1	IMPELLER - 4TH - 5TH & 6TH STGS	EA	1	IMPELLER BUSHING RING	EA
1	IMPELLER - 1ST STG	EA	1	IMPELLER - 2ND & 3RD STGS	EA
1	IMPELLER - 4TH - 5TH & 6TH STGS	EA	1	IMPELLER BUSHING RING	EA

CNTA PUMP

RIGHT HAND ROTATION

W-256CNTA500X7