

PROPELLER MEASUREMENTS

1. NAME OF MANUFACTURER Cramp
 2. CONTR. OR J. O. No. N220s-76924-A
 3. DRAWING No. _____
 4. DIAM.: 18 FEET INCHES.
 5. PITCH: 22.69 FEET INCHES.

6. ROTATION Right Hand
 7. SUITABILITY P2-S2-R2
 8. HEAT No. 955-C SERIAL No. 24809
 9. WEIGHT 30,450 LBS.

BLADE No. 1

SHOP 4161

AS RELEASED FITCH REPORT

ABS 52-17355

RADIUS			20°	15°	10°	5°	CL	5°	10°	15°	20°	25°			MEAN PITCH	DESIGN PITCH	PER CENT DEVIATION
.3			5403		4642		3893		3144		2392	1998		34.05	272.400	272.280	+ .04%
.4			5260		4507		3742		2994		2235	1863		33.97	271.760	"	- .19%
.5			5120		4361		3593		2856		2098			30.22	271.980	"	- .11%
.6			4952		4182		3442		2679		1925			30.27	272.430	"	+ .05%
.7				4428	4056	3670	3293	2920	2541	2164	1783			26.45	272.435	"	+ .05%
.8					3896	3522	3133	2765	2388	2008				18.88	271.872	"	- .14%
.9						3356	2986	2603	2226	1842				15.14	272.520	"	+ .09%
.95							2906	2527	2147					7.59	273.240	"	+ .35%

BLADE No. 2

BLADE AVERAGE

RADIUS			20°	15°	10°	5°	CL	5°	10°	15°	20°	25°			MEAN PITCH	DESIGN PITCH	PER CENT DEVIATION
.3			5396		4644		3862		3120		2340	1983		34.13	273.040	272.280	+ .28%
.4			5228		4490		3713		2959		2203	1822		34.06	272.480	"	+ .07%
.5			5072		4320		3562		2803		2049			30.23	272.070	"	- .07%
.6			4925		2164		3410		2663		1902			30.23	272.070	"	- .07%
.7				4392	4018	3636	3262	2890	2508	2130	1748			26.44	272.332	"	+ .01%
.8					3870	3498	3116	2728	2358	1978				18.92	272.948	"	+ .21%
.9						3336	2963	2582	2206	1822				15.14	272.520	"	+ .08%
.95							2878	2498	2120					7.58	272.880	"	+ .22%

BLADE No. 3

BLADE AVERAGE

RADIUS			20°	15°	10°	5°	CL	5°	10°	15°	20°	25°			MEAN PITCH	DESIGN PITCH	PER CENT DEVIATION
.3			5406		4652		3860		3124		2355	1995		34.11	272.880	272.280	+ .22%
.4			5226		4493		3722		2954		2198	1814		34.12	272.960	"	+ .21%
.5			5088		4331		3579		2816		2056			30.32	272.880	"	+ .22%
.6			4931		4162		3416		2658		1899			30.32	272.880	"	+ .22%
.7				4402	4024	3639	3264	2885	2514	2137	1752			26.50	272.950	"	+ .21%
.8					3866	3492	3114	2740	2365	1978				18.88	271.872	"	- .14%
.9						3342	2960	2588	2212	1830				15.12	272.160	"	- .04%
.95							2887	2502	2132					7.55	271.800	"	- .17%

BLADE No. 4

BLADE AVERAGE

RADIUS			20°	15°	10°	5°	CL	5°	10°	15°	20°	25°			MEAN PITCH	DESIGN PITCH	PER CENT DEVIATION
.3			5408		4656		3871		3120		2348	2004		34.04	272.320	272.280	+ .01%
.4			5213		4492		3722		2954		2206	1806		34.07	272.560	"	+ .10%
.5			5075		4328		3567		2812		2048			30.27	272.430	"	+ .05%
.6			4933		4170		3419		2670		1893			30.40	273.600	"	+ .48%
.7				4392	4022	3633	3268	2873	2504	2130	1744			26.48	272.744	"	+ .17%
.8					3864	3498	3112	2732	2358	1972				18.92	272.948	"	+ .21%
.9						3344	2978	2581	2216	1834				15.10	271.800	"	- .17%
.95							2882	2510	2124					7.58	272.880	"	+ .22%

BLADE AVERAGE

MEASURED BY

D.L.Patchin

DATE

10/27/52

PROPELLER AVERAGE