

FIGURE 3A

CRUISE & RANGE DATA

2200 LBS. & 2575 LBS.: BEST POWER MIXTURE
52 GAL. USABLE FUEL; NO RESERVE FOR RANGE CALCULATIONS
STANDARD ATMOSPHERE

ALTITUDE 5000 FT. MSL

R.P.M.	M.P. IN. HG.	B.H.P.	% B.H.P.	GAL. HOUR	LBS. HOUR	TRUE AIRSPEED		ENDURANCE		RANGE STATUTE MILES	
						2575#	2200#	HRS.	HR:MIN.	2575#	2200#
2700	25.0	176	91	12.6	75.5	193	197	4.13	4:08	797	814
	24.0	167	83	12.0	72.0	190	194	4.33	4:20	823	840
	23.0	158	79	11.5	69.0	185	189	4.52	4:31	836	854
	22.0	151	75	11.2	67.0	176	180	4.66	4:40	820	839
2600	25.0	170	85	12.0	72.0	191	195	4.33	4:20	827	844
	24.0	161	81	11.5	69.0	186	190	4.52	4:31	841	859
	23.0	154	77	11.1	66.5	183	187	4.69	4:41	858	877
	22.0	145	73	10.7	64.0	178	182	4.88	4:53	869	888
2500	25.0	163	82	11.5	69.0	187	191	4.52	4:31	845	863
	24.0	154	77	11.0	66.0	183	187	4.73	4:44	866	885
	23.0	146	73	10.5	63.0	179	183	4.95	4:57	886	906
	22.0	139	70	10.1	60.5	175	179	5.16	5:10	903	924
2400	25.0	154	77	10.8	65.0	183	187	4.80	4:48	878	898
	24.0	146	73	10.4	62.5	180	184	4.99	4:59	898	918
	23.0	138	69	9.9	59.5	177	181	5.24	5:14	927	948
	22.0	132	66	9.7	58.0	173	177	5.38	5:23	931	952
2350	24.0	139	70	9.8	59.0	177	181	5.29	5:17	936	957
	23.0	132	66	9.5	57.0	173	177	5.47	5:28	946	968
	22.0	125	63	9.1	54.5	168	172	5.72	5:43	961	984
	21.0	117	59	8.6	51.5	164	168	6.06	6:04	994	1018
1950	17.0	69	35	5.7	34.0	118	122	9.18	9:11	1083	1120

ACCURACY OF DATA IS $\pm 3\%$
EACH 100 LBS. CHANGE IN AIRPLANE WEIGHT WILL AFFECT T.A.S. BY 1.1 MPH

152
156
153