

CRUISE POWER SETTINGS

139 HP (OR FULL THROTTLE)
@ AVERAGE CRUISE WEIGHT = 2500 LBS.

PRESS ALT.	ISA -36°F (-20°C)								STANDARD DAY (ISA)								ISA +36°F (+20°C)							
	OAT		ENGINE SPEED	MAN. PRESS	FUEL FLOW			TAS	OAT		ENGINE SPEED	MAN. PRESS	FUEL FLOW			TAS	OAT		ENGINE SPEED	MAN. PRESS	FUEL FLOW			TAS
	FEET	°F	°C	RPM	IN HG	PPH	GPH	KTS	MPH	°F	°C	RPM	IN HG	PPH	GPH	KTS	MPH	°F	°C	RPM	IN HG	PPH	GPH	KTS
SL	26	-3	2050	24.5	67.0	11.2	137	158	62	17	2050	25.1	67.0	11.2	141	162	98	37	2050	25.8	67.0	11.2	144	166
2000	19	-7	2050	24.1	67.0	11.2	140	161	55	13	2050	24.6	67.0	11.2	143	165	91	33	2050	25.3	67.0	11.2	146	168
4000	12	-11	2050	23.6	67.0	11.2	143	165	48	9	2050	24.2	67.0	11.2	146	168	84	29	2050	24.9	66.8	11.1	149	171
6000	5	-15	2050	23.2	67.0	11.2	145	167	41	5	2050	23.2	64.8	10.8	146	168	77	25	2050	23.2	62.1	10.4	147	169
8000	-2	-19	2050	21.6	61.8	10.3	143	165	34	1	2050	21.6	59.9	10.0	144	166	70	21	2050	21.6	58.0	9.7	144	166
10000	-9	-23	2050	19.9	57.8	9.6	141	162	27	-3	2050	19.9	56.0	9.3	141	162	63	17	2050	19.9	54.2	9.0	141	162
12000	-17	-27	2060	18.4	54.2	9.0	138	159	19	-7	2060	18.4	52.7	8.8	138	159	55	13	2060	18.4	51.3	8.6	138	159
14000	-24	-31	2050	17.0	51.1	8.6	136	155	12	-11	2050	17.0	49.7	8.3	134	154	48	9	2050	17.0	48.4	8.1	133	153
16000	-31	-35	2060	15.8	47.9	8.0	130	150	5	-16	2050	15.8	46.4	7.7	129	148	41	5	2050	15.8	44.9	7.5	126	145

NOTES:

1. FULL THROTTLE MANIFOLD PRESSURE SETTINGS ARE APPROXIMATE.
2. SHADED AREA REPRESENTS OPERATION WITH FULL THROTTLE.
3. LEAN TO MAXIMUM RPM. IF ENGINE ROUGHNESS OCCURS ENRICHEN TO SMOOTH OPERATION.

RANGE PROFILE - 53 GALLONS

STANDARD DAY (ISA)

ASSOCIATED CONDITIONS:

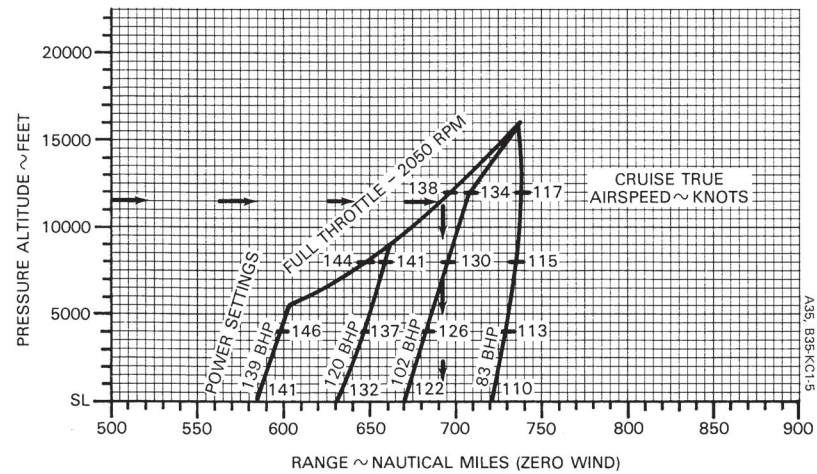
WEIGHT 2660 LBS BEFORE ENGINE START
 FUEL AVIATION GASOLINE
 FUEL DENSITY 6.0 LBS/GAL
 INITIAL FUEL LOADING 53 U.S. GALS (318 LBS)

NOTE:

RANGE INCLUDES START, TAXI, AND CLIMB WITH
 45 MINUTES RESERVE FUEL AT 83 BHP

EXAMPLE:

PRESSURE ALTITUDE 11500 FT
 POWER SETTING FULL THROTTLE
 AT 2050 RPM
 RANGE 693 NM



BEECHCRAFT
Bonanza A35 and B35

Section V
Performance