

RANGE CHART

HARTZELL PROPELLER

ALTITUDE FEET	1700 RPM			1900 RPM			2180 RPM		
	M.P.	Fuel Flow GPH	Range Miles	M.P.	Fuel Flow GPH	Range Miles	M.P.	Fuel Flow GPH	Range Miles
SEA LEVEL	22	8.0	510	23	10.0	450	25	12.5	395
2000'	22	8.0	515	23	10.0	450	24.5	12.5	395
4000'	21	8.0	515	22	10.5	440	23.5	12.0	405
6000'	20	8.0	510	21.5	10.0	455	23	11.5	420
8000'	19.5	7.5	510	20.5	9.0	470	21.5	10.5	440
10000'	18	7.5	490	18.5	8.5	475	19.5	9.5	450

INSTRUCTIONS FOR USE OF CHART

1. Ranges shown include take-off and climb allowances and a 5-gal reserve after landing. For each addit'l 5-gal reserve desired, reduce range by 75 mi. Make allowance for wind as required.
2. For maximum cruising speed, 155 TIAS, fly at 3500 feet using 2225 RPM and full throttle. Range will be 380 miles at 13.5 GPH.

CAUTION

For maximum engine life, do not exceed 2225 RPM for cruise.

3. LEANING PROCEDURES

- a. Set up RPM (or IAS) slightly higher than desired.
- b. Lean mixture to point of engine roughness; then enrich slightly.
- c. RPM and IAS should be values selected on chart.

WARNING

If mixture is not leaned properly, ranges may decrease considerably, or engine may become overheated with subsequent reduction of life.