

CRUISE RANGE

CONDITIONS:

Wheel Pants and Gear Leg Fairings ON

43 USG Usable Fuel.

Standard atmosphere.

No wind.

Includes 1.0 USG fuel for start, taxi and takeoff and 8 USG or 45 mn reserve.

Climb at full power and best climb speed as defined on the Maximum Climb Chart

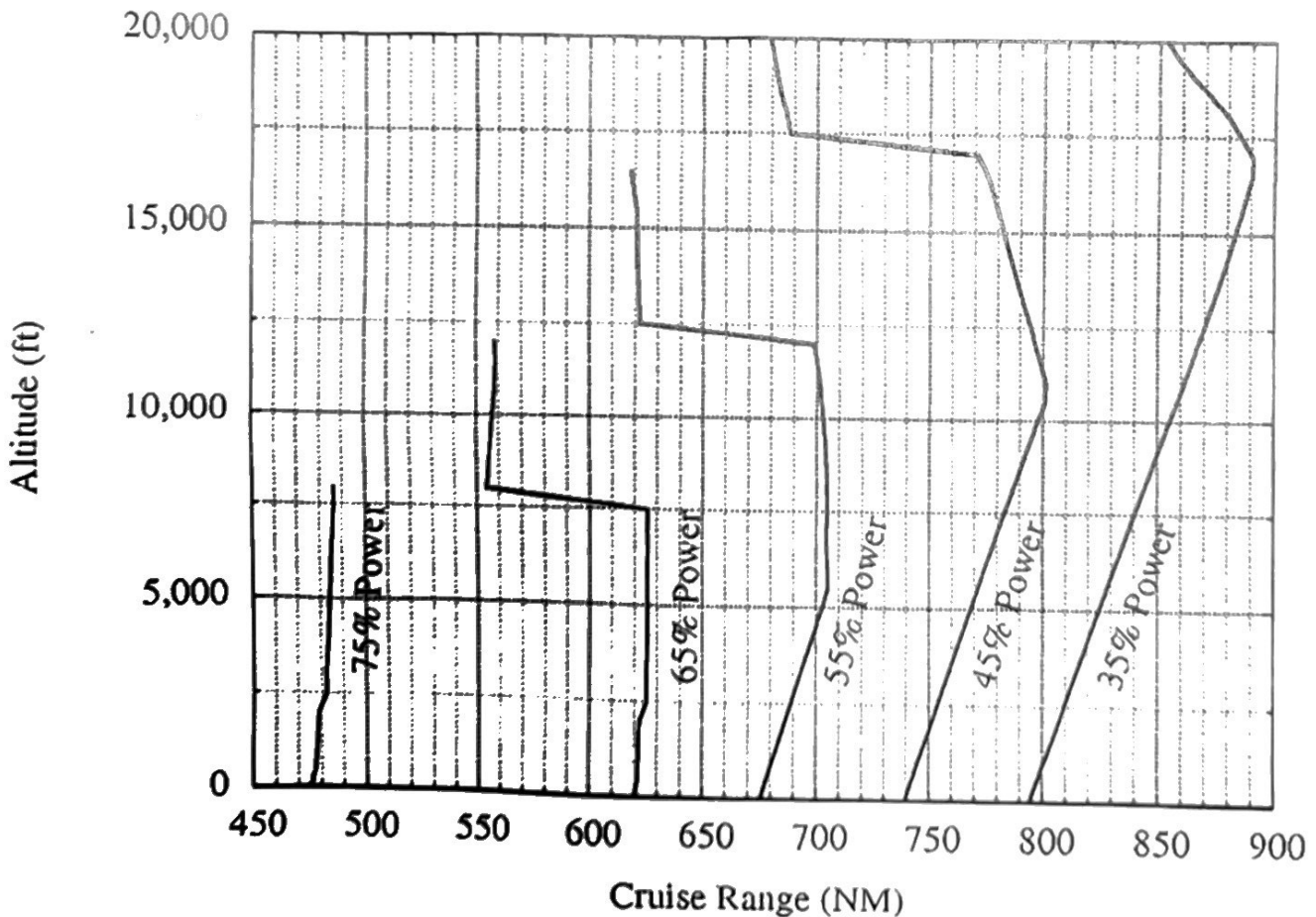
Lean during climb for best power.

Cruise with mixture set to best power for 75% power.

Cruise with mixture set to 50°F lean of peak EGT for 65% power or less, except mixture set to best power if more than 2600 rpm required with mixture set lean of peak EGT.

Full throttle, but no less than 2100 rpm.

Descend at cruise TAS at 6 nm per 1000 ft.



CRUISE POWER

NOTES:

1. Add 0.4" M.P. for each 10°C above standard temperature.
2. Subtract 0.4" M.P. for each 10°C below standard temperature.
3. If above standard temperature precludes obtaining the desired M.P., use the next higher RPM/M.P. with appropriate temperature correction to M.P.

NOTE

Mixture must be full rich when above 75% power.
Lean using fuel flow meter at 75% power or less.

PRESSURE ALTITUDE (FT)	STD. TEMP	75% POWER 150 HP						65% POWER 130 HP						55% POWER 110 HP															
		RPM		2400		2500		2600		2700		2300		2400		2500		2600		2200		2300		2400		2500		2600	
		FUEL FLOW	BEST ECON. BEST POWER	9.9	10.0	10.2	10.3	10.3	8.7	8.8	8.9	9.0	9.0	10.3	10.4	10.6	10.7	10.7	7.4	7.5	7.6	7.8	7.9	8.9	9.0	9.2	9.4	9.6	
0	15 °C			25.4	24.5	23.6	22.8	22.8	23.7	22.8	22.0	21.2	22.0	22.8	22.0	21.2	22.0	22.0	21.0	20.2	19.5	18.9	22.0	21.0	20.2	19.5	18.9		
2,000	11 °C			24.9	23.9	23.1	22.3	22.3	23.2	22.3	21.5	20.7	21.5	22.3	21.5	20.7	21.5	21.5	20.5	19.7	19.0	18.4	21.5	20.5	19.7	19.0	18.4		
4,000	7 °C			24.4	23.4	22.6	21.9	21.9	22.7	21.8	21.0	20.3	21.0	21.8	21.0	20.3	21.0	21.0	20.0	19.3	18.5	17.9	21.0	20.0	19.3	18.5	17.9		
6,000	3 °C			23.9	23.0	22.1	21.5	21.5	22.3	21.4	20.5	19.8	20.5	21.4	20.5	19.8	20.5	20.5	19.6	18.9	18.1	17.5	20.5	19.6	18.9	18.1	17.5		
8,000	-1 °C			23.5	22.5	21.7	21.1	21.1	21.9	21.0	20.1	19.4	20.1	21.0	20.1	19.4	20.1	20.1	19.2	18.5	17.7	17.1	20.1	19.2	18.5	17.7	17.1		
10,000	-5 °C			-	-	-	-	-	21.5	20.6	19.7	19.0	19.0	20.6	19.7	19.0	19.7	18.9	18.1	17.3	16.7	19.7	18.9	18.1	17.3	16.7			
12,000	-9 °C			-	-	-	-	-	-	20.2	19.3	18.7	18.7	20.2	19.3	18.7	19.3	18.5	17.7	16.9	16.4	19.3	18.5	17.7	16.9	16.4			