

# CRUISE POWER SCHEDULE

## AIRFLOW SYSTEMS INTERCOOLER INSTALLED

1. BEST POWER IS 125° RICH OF PEAK T.I.T.
2. BEST ECONOMY IS PEAK T.I.T. (NOT TO EXCEED 1650°)

BEST POWER  
(BEST ECONOMY - ADD 0.8" MP TO LISTED)

Pressure	RPM	75% POWER (157.5 BHP)						70% POWER (147 BHP)						65% POWER (136.5 BHP)					
		2200	2300	2400	2500	2600	2700	2200	2300	2400	2500	2600	2700	2200	2300	2400	2500	2600	2700
Altitude	FUEL	BEST ECONOMY																	
Feet	FLOW	BEST POWER																	
Std. Day	STANDARD TEMP																		
		MANIFOLD PRESSURE - INCHES OF MERCURY																	
S.L	15°C		30.7	29.6	28.6	27.6	26.4	30.0	28.8	27.9	26.9	26.0	25.0	28.2	27.1	26.2	25.3	24.4	23.5
2000	11°C		30.0	29.0	28.1	27.1	26.0	29.4	28.3	27.4	26.5	25.6	24.6	27.7	26.7	25.7	24.8	24.0	23.1
4000	7°C		29.6	28.5	27.5	26.5	25.5	28.8	27.9	26.9	26.0	25.1	24.0	27.1	26.1	25.1	24.3	23.5	22.6
6000	3°C		28.8	27.9	27.0	26.0	25.0	28.3	27.2	26.3	25.4	24.5	23.7	26.5	25.5	24.6	23.8	23.1	22.2
8000	-1°C		28.5	27.6	26.6	25.7	24.7		27.0	26.0	25.2	24.2	23.3	26.2	25.2	24.2	23.4	22.6	21.8
10000	-5°C			27.1	26.0	25.2	24.2		26.8	25.6	24.7	23.8	23.0	25.7	24.8	23.7	23.0	22.2	21.4
12000	-9°C			26.7	25.7	24.8	24.0			25.0	24.2	23.3	22.5		24.5	23.2	22.7	21.9	21.1
14000	-13°C				25.1	24.3	23.3			24.6	23.7	23.0	22.2			23.1	22.3	21.6	20.8
16000	-17°C				24.7	23.8	22.9				23.5	22.7	21.9			22.6	21.8	21.1	20.2
18000	-21°C					23.7	22.9				23.1	22.3	21.5				21.6	20.9	20.0
20000	-25°C					23.5	22.7					22.3	21.4					20.8	20.0
22000	-29°C					21.6	20.5					22.3	21.2					20.8	19.8
24000	-33°C						20.5						21.2						19.6

**EXAMPLE:**

CRUISE ALT. 8500' PRESS.  
 OAT: 10°  
 POWER: 75%  
 RPM 2500  
 M.P. BEST POWER: 27.7 Hg (12° Corr.)  
 M.P. BEST ECONOMY: 28.5 Hg (add 0.8")

**NOTE:**

1. ADD 1" M.P. FOR EACH 10° OAT ABOVE STANDARD DAY TEMPERATURE. DO NOT EXCEED 1650°F T.I.T.  
 SUBTRACT 1" M.P. FOR EACH 10° OAT BELOW STANDARD DAY TEMPERATURE.  
 IF OAT ABOVE STANDARD PRECLUDES OBTAINING THE DESIRED M.P., USE THE NEXT HIGHER RPM/M.P. WITH APPROPRIATE TEMPERATURE CORRECTION TO M.P..
2. INTERMITTENT ROUGHNESS MAY OCCUR ABOVE 20,000' BELOW 2500 RPM AND BELOW 16" M.P. AT ALL ALTITUDES.

MOONEY M20K  
 INFORMATION CONTAINED IN THIS POWER CHART INTERPOLATED FROM  
 MOONEY OPERATING MANUAL, SECTION V (PERFORMANCE) REV A DATED 9-29-82

