



M20R
OVATION



PERFORMANCE



STALL SPEED VS. ANGLE OF BANK

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ASSOCIATED CONDITIONS: FORWARD C.G. POWER IDLE									
NOTE: UP TO 500 FEET ALTITUDE LOSS MAY OCCUR DURING STALLS AT MAXIMUM WEIGHT									
GROSS WEIGHT	GEAR AND FLAP POSITION	ANGLE OF BANK							
		0°		30°		45°		60°	
		KCAS	KIAS	KCAS	KIAS	KCAS	KIAS	KCAS	KIAS
3368 LBS (1528 KGS)	GEAR UP, FLAPS 0°	66.0	66.0	71.0	71.5	78.5	79.0	93.5	94.0
	GEAR DOWN, FLAPS 10°	64.5	65.0	69.5	69.5	76.5	77.5	91.0	92.0
	GEAR DOWN FLAPS 33°	59.0	59.0	63.5	63.5	70.0	70.0	83.5	84.5
3000 LBS (1361 KGS)	GEAR UP, FLAPS 0°	62.5	62.5	67.0	67.5	74.5	75.0	88.5	89.5
	GEAR DOWN, FLAPS 10°	61.0	62.0	65.5	65.5	72.5	73.0	86.5	87.5
	GEAR DOWN FLAPS 33°	55.5	55.5	59.5	59.5	66.0	66.0	78.5	79.5
2700 LBS (1225 KGS)	GEAR UP, FLAPS 0°	59.0	59.5	63.5	64.0	70.0	70.5	83.5	84.0
	GEAR DOWN, FLAPS 10°	58.0	58.0	62.5	62.5	69.0	69.0	82.0	83.0
	GEAR DOWN FLAPS 33°	53.0	53.0	57.0	57.0	63.0	63.0	75.0	76.0



CRUISE POWER SETTINGS AND FUEL FLOWS

EXAMPLE:

Cruise Alt. 8000 ft.
OAT 5° C (SEE NOTE)
Power Setting Desired 75%

1. BEST POWER is 50 °F Rich of Peak. 2. ECONOMY CRUISE is 50 °F Lean of Peak.

RPM/MP	2400/22.9 Fuel Flow 15.6 (Best Power)	RPM	Max. Recommended		75% Power 210 HP	65% Power 182 HP	55% Power 154 HP	45% Power 126 HP							
			2400	2500											
Pressure Altitude (Feet)	Fuel Flow	Best POWER	MANIFOLD PRESSURE - INCHES OF MERCURY												
			Best ECON.	2400	2500	2300	2400	2500	2300	2400	2500	2300	2400	2500	
15.2	15.3	13.5	13.6	13.7	11.8	11.9	12.0	10.0	10.1	10.2	8.2	8.3	8.4		
17.5	17.6	15.5	15.6	15.7	13.9	14.0	14.1	11.7	11.8	11.9	9.6	9.7	9.8		
Std. Day	Std. Temp.														
S. L.	15°C 59°F	27.0	26.2	25.3	24.3	23.0	22.4	21.4	20.3	19.5	18.6	17.7	16.6	15.8	15.0
2,000	11°C 52°F	27.0	25.7	24.8	23.8	22.6	22.0	21.1	20.0	19.1	18.2	17.3	16.2	15.4	14.6
4,000	7°C 45°F		25.2	24.2	23.2	22.3	21.7	20.8	19.7	18.7	17.7	16.8	15.7	14.9	14.3
6,000	3°C 38°F		24.7	23.6	22.8	22.0	21.2	20.3	19.2	18.2	17.2	16.3	15.3	14.6	14.0
8,000	-1°C 31°F				22.5	21.7	20.7	19.8	18.7	17.7	16.8	16.0	14.9	14.2	13.7
10,000	-5°C 23°F						20.2	19.3	18.2	17.2	16.4	15.8	14.6	13.9	13.4
12,000	-9°C 16°F						19.5	18.7	17.9	16.7	16.0	15.6	14.3	13.6	13.1
14,000	-13°C 9°F							18.1	17.7	16.3	15.8	15.4	14.0	13.3	12.9
16,000	-17°C 2°F									16.1	15.6	15.2	13.7	13.0	12.7
18,000	-21°C -5°F										15.0	13.5	12.8	12.5	
20,000	-25°C -12°F											13.3	12.6	12.3	

NOTE: Add .4" MP for each 10 °C (18 °F) OAT above standard day temperature. Subtract .4" MP for each 10 °C (18 °F) below standard day temperature. If OAT above standard precludes obtaining the desired MP, use the next higher RPM/MP with appropriate temperature correction to MP.



