

MAXIMUM RECOMMENDED CRUISE POWER SETTINGS

20°C RICH

25.0 IN. HG (OR FULL THROTTLE) @ 2500 RPM
CRUISE RICH MIXTURE
3400 LBS.

PRESS. ALT	IOAT		MAN. PRESS.	FUEL FLOW		AIR- SPEED	
	°C	°F		PPH	GPH	KIAS	KTAS
SL	-3	27	25.0	102.1	17.0	172	164
2000	-6	21	25.0	105.6	17.6	172	169
4000	-10	14	25.0	109.1	18.2	172	174
6000	-14	7	24.1	106.1	17.7	169	175
8000	-18	-1	22.3	97.7	16.3	162	173
10,000	-22	-8	20.6	90.2	15.0	155	170
12,000	-26	-15	19.1	83.5	13.9	147	167
14,000	-30	-22	17.7	78.3	13.1	140	163
16,000	-34	-30	16.3	73.1	12.2	131	158
SL	18	64	25.0	98.1	16.4	167	165
2000	14	57	25.0	101.3	16.9	167	170
4000	10	50	25.0	104.6	17.4	167	175
6000	6	43	24.1	101.8	17.0	164	176
8000	2	36	22.3	93.9	15.7	157	174
10,000	-2	28	20.6	86.9	14.5	150	171
12,000	-6	21	19.1	80.8	13.5	142	167
14,000	-10	14	17.1	76.0	12.7	134	163
16,000	-14	6	16.3	71.2	11.9	125	157
SL	38	100	25.0	94.1	15.7	163	166
2000	34	93	25.0	97.2	16.2	163	171
4000	30	86	25.0	100.3	16.7	162	176
6000	26	79	24.1	97.7	16.3	159	177
8000	22	72	22.3	90.3	15.1	152	174
10,000	18	64	20.6	83.8	14.0	144	171
12,000	14	57	19.1	78.1	13.0	137	167
14,000	10	50	17.7	73.9	12.3	129	162
16,000	6	42	16.3	69.8	11.6	119	155

- NOTES:
1. Full throttle manifold pressure settings are approximate.
 2. Shaded area represents operation with full throttle.
 3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

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October, 1983

20°C LEAN

25.0 IN. HG (OR FULL THROTTLE) @ 2500 RPM
CRUISE LEAN MIXTURE
3400 LBS.

PRESS. ALT	IOAT		MAN. PRESS.	FUEL FLOW		AIR- SPEED	
	°C	°F		PPH	GPH	KIAS	KTAS
SL	-3	27	25.0	86.3	14.4	168	159
2000	-6	20	25.0	89.3	14.9	168	164
4000	-10	13	25.0	92.3	15.4	168	169
6000	-14	6	24.1	89.8	15.0	164	170
8000	-18	-1	22.3	82.6	13.8	157	168
10,000	-22	-8	20.6	76.0	12.7	150	165
12,000	-26	-15	19.1	70.2	11.7	143	162
14,000	-30	-23	17.7	65.5	10.9	135	158
16,000	-35	-30	16.3	60.8	10.1	126	152
SL	17	63	25.0	82.9	13.8	163	160
2000	14	56	25.0	85.6	14.3	163	165
4000	10	50	25.0	88.5	14.8	163	170
6000	6	42	24.1	86.1	14.4	159	171
8000	2	35	22.3	79.3	13.2	152	169
10,000	-2	28	20.6	73.3	12.2	145	166
12,000	-6	21	19.1	67.8	11.3	137	162
14,000	-10	13	17.7	63.5	10.6	129	157
16,000	-15	6	16.3	59.1	9.9	120	150
SL	37	99	25.0	79.5	13.3	158	161
2000	34	92	25.0	82.1	13.7	158	166
4000	30	86	25.0	84.7	14.1	158	171
6000	26	79	24.1	82.5	13.8	154	172
8000	22	71	22.3	76.2	12.7	147	169
10,000	18	64	20.6	70.5	11.8	140	165
12,000	14	57	19.1	65.5	10.9	132	161
14,000	10	49	17.7	61.5	10.3	123	155
16,000	5	42	16.3	57.5	9.6	113	146

- NOTES:
1. Full throttle manifold pressure settings are approximate.
 2. Shaded area represents operation with full throttle.
 3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

October, 1983

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RECOMMENDED CRUISE POWER SETTINGS

23.0 IN. HG (OR FULL THROTTLE) @ 2300 RPM
CRUISE RICH MIXTURE
3400 LBS

20°C RICH

OF PEAK EGT

PRESS. ALT FEET	IOAT		MAN. PRESS. IN. HG	FUEL FLOW		AIR- SPEED	
	°C	°F		PPH	GPH	KTAS	KTAS
ISA - 20° C (ISA - 36° F)							
SL	-3	27	23.0	81.6	13.6	158	150
2000	-7	20	23.0	84.2	14.0	158	154
4000	-11	13	23.0	86.9	14.5	158	159
6000	-14	6	23.0	89.7	15.0	158	164
8000	-18	-1	22.4	89.0	14.8	156	166
10,000	-22	-8	20.7	82.7	13.8	148	163
12,000	-26	-16	19.2	77.1	12.9	141	160
14,000	-31	-23	17.8	73.2	12.2	133	155
16,000	-35	-30	16.4	69.2	11.5	124	150
STANDARD DAY (ISA)							
SL	17	63	23.0	79.0	13.2	153	150
2000	13	56	23.0	81.4	13.6	153	155
4000	9	49	23.0	83.9	14.0	153	160
6000	6	42	23.0	86.5	14.4	153	165
8000	2	35	22.4	85.8	14.3	150	167
10,000	-2	28	20.7	80.0	13.3	143	163
12,000	-6	20	19.2	75.1	12.5	135	159
14,000	-11	13	17.8	71.5	11.9	127	154
16,000	-15	6	16.4	67.9	11.3	117	147
ISA + 20° C (ISA + 36° F)							
SL	37	99	23.0	76.5	12.8	148	151
2000	33	92	23.0	78.7	13.1	148	155
4000	29	85	23.0	81.0	13.5	148	160
6000	26	78	23.0	83.4	13.9	148	165
8000	22	71	22.4	82.8	13.8	145	167
10,000	18	64	20.7	77.3	12.9	138	163
12,000	14	56	19.2	73.0	12.2	130	158
14,000	9	49	17.8	69.8	11.6	121	152
16,000	5	41	16.4	66.6	11.1	109	142

NOTES: 1. Full throttle manifold pressure settings are approximate.

2. Shaded area represents operation with full throttle.

3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

RECOMMENDED CRUISE POWER SETTINGS

23.0 IN. HG (OR FULL THROTTLE) @ 2300 RPM
CRUISE LEAN MIXTURE
3400 LBS

20°C LEAN

OF PEAK EGT

PRESS. ALT FEET	IOAT		MAN. PRESS. IN. HG	FUEL FLOW		AIR- SPEED	
	°C	°F		PPH	GPH	KTAS	KTAS
ISA - 20° C (ISA - 36° F)							
SL	-3	26	23.0	67.6	11.3	152	144
2000	-7	20	23.0	69.7	11.6	152	149
4000	-11	13	23.0	72.1	12.0	153	154
6000	-15	6	23.0	74.4	12.4	153	158
8000	-18	-1	22.4	73.8	12.3	150	160
10,000	-23	-9	20.7	68.4	11.4	143	157
12,000	-27	-16	19.2	63.8	10.6	135	153
14,000	-31	-23	17.8	60.0	10.0	127	148
16,000	-35	-31	16.4	56.3	9.4	117	141
STANDARD DAY (ISA)							
SL	17	62	23.0	65.4	10.9	147	145
2000	13	56	23.0	67.4	11.2	147	149
4000	9	49	23.0	69.4	11.6	148	154
6000	5	42	23.0	71.7	12.0	148	159
8000	2	35	22.4	71.1	11.9	145	160
10,000	-3	27	20.7	66.2	11.0	137	157
12,000	-7	20	19.2	61.8	10.3	129	152
14,000	-11	13	17.8	58.5	9.8	120	146
16,000	-15	5	16.4	55.3	9.2	109	137
ISA + 20° C (ISA + 36° F)							
SL	37	98	23.0	63.2	10.5	142	145
2000	33	92	23.0	65.1	10.9	143	149
4000	29	85	23.0	67.1	11.2	143	154
6000	25	78	23.0	69.0	11.5	142	158
8000	22	71	22.4	68.5	11.4	140	160
10,000	17	63	20.7	64.0	10.7	132	156
12,000	13	56	19.2	60.0	10.0	123	151
14,000	9	48	17.8	57.1	9.5	113	142
16,000	—	—	—	—	—	—	—

NOTES: 1. Full throttle manifold pressure settings are approximate.

2. Shaded area represents operation with full throttle.

3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

RECOMMENDED CRUISE POWER SETTINGS

20°C RICH

25.0 IN. HG (OR FULL THROTTLE) @ 2100 RPM
CRUISE RICH MIXTURE
3400 LBS

OF PEAK EGT

PRESS. ALT	IOAT		MAN. PRESS. IN. HG	FUEL FLOW		AIR- SPEED	
	°C	°F		PPH	GPH	KTAS	KTAS
SL	-3	27	25.0	79.5	13.3	155	148
2000	-7	20	25.0	82.6	13.8	156	153
4000	-11	13	25.0	85.8	14.3	157	158
6000	-15	6	24.3	85.1	14.2	154	159
8000	-19	-1	22.5	79.5	13.3	147	157
10,000	-23	-9	20.8	74.9	12.5	140	153
12,000	-27	-16	19.3	70.9	11.8	132	149
14,000	-31	-23	17.9	66.2	11.4	123	144
16,000	-35	-31	16.5	65.6	10.9	112	135
SL	17	63	25.0	77.0	12.8	150	148
2000	13	56	25.0	79.9	13.3	151	153
4000	9	49	25.0	82.9	13.8	152	158
6000	5	42	24.3	82.3	13.7	149	160
8000	1	35	22.5	77.1	12.9	142	157
10,000	-3	27	20.8	72.9	12.2	134	153
12,000	-7	20	19.3	69.5	11.6	126	148
14,000	-11	12	17.9	67.2	11.2	116	141
16,000	-15	5	16.5	64.9	10.8	101	127
SL	37	99	25.0	74.9	12.5	146	148
2000	33	92	25.0	77.3	12.9	146	153
4000	29	85	25.0	80.1	13.4	146	158
6000	25	78	24.3	79.5	13.3	143	160
8000	21	71	22.5	74.9	12.5	136	156
10,000	17	63	20.8	71.0	11.8	128	152
12,000	13	56	19.3	68.1	11.4	119	145
14,000	9	48	17.9	66.1	11.0	107	135
16,000	—	—	—	—	—	—	—

NOTES:

1. Full throttle manifold pressure settings are approximate.
2. Shaded area represents operation with full throttle.
3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

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RECOMMENDED CRUISE POWER SETTINGS

20°C LEAN

25.0 IN. HG (OR FULL THROTTLE) @ 2100 RPM
CRUISE LEAN MIXTURE
3400 LBS

OF PEAK EGT

PRESS. ALT	IOAT		MAN. PRESS. IN. HG	FUEL FLOW		AIR- SPEED	
	°C	°F		PPH	GPH	KTAS	KTAS
SL	-3	26	25.0	63.8	10.6	148	140
2000	-7	19	25.0	66.4	11.1	149	145
4000	-11	12	25.0	68.9	11.5	149	150
6000	-15	5	24.3	68.3	11.4	147	152
8000	-19	-2	22.5	63.9	10.7	139	148
10,000	-23	-9	20.8	60.1	10.0	132	144
12,000	-27	-17	19.3	56.7	9.5	123	139
14,000	-31	-24	17.9	54.5	9.1	113	132
16,000	-35	-32	16.5	52.2	8.7	95	114
SL	17	62	25.0	61.9	10.3	143	140
2000	13	55	25.0	64.2	10.7	143	145
4000	9	48	25.0	66.6	11.1	144	150
6000	5	41	24.3	66.1	11.0	141	152
8000	1	34	22.5	61.9	10.3	134	148
10,000	-3	27	20.8	58.5	9.8	126	143
12,000	-7	19	19.3	56.6	9.3	116	136
14,000	-11	12	17.9	53.5	8.9	103	125
16,000	—	—	—	—	—	—	—
SL	37	98	25.0	60.1	10.0	138	140
2000	33	91	25.0	62.1	10.4	138	145
4000	29	84	25.0	64.4	10.7	139	150
6000	25	77	24.3	63.9	10.7	136	151
8000	21	70	22.5	60.2	10.0	128	147
10,000	17	63	20.8	56.8	9.5	119	141
12,000	13	55	19.3	54.5	9.1	108	131
14,000	—	—	—	—	—	—	—
16,000	—	—	—	—	—	—	—

NOTES:

1. Full throttle manifold pressure settings are approximate.
2. Shaded area represents operation with full throttle.
3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

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RECOMMENDED CRUISE POWER SETTINGS

21.0 IN. HG (OR FULL THROTTLE) @ 2100 RPM
CRUISE RICH MIXTURE
3400 LBS

20°C RICH

OF PEAK EGT

PRESS. ALT.	IOAT		MAN. PRESS.	FUEL FLOW	AIR- SPEED
	°C	°F			
SL	-4	26	21.0	66.0	135
2000	-7	19	21.0	67.5	137
4000	-11	12	21.0	69.3	138
6000	-15	5	21.0	71.1	139
8000	-19	-2	21.0	73.4	140
10,000	-23	-9	20.8	74.9	140
12,000	-27	-16	19.3	70.9	132
14,000	-31	-23	17.9	68.2	123
16,000	-35	-31	16.5	65.6	112
SL	17	62	21.0	65.2	109
2000	13	55	21.0	66.3	111
4000	9	48	21.0	67.9	113
6000	5	41	21.0	69.7	116
8000	1	34	21.0	71.5	119
10,000	-3	27	20.8	72.9	122
12,000	-7	20	19.3	69.5	116
14,000	-11	12	17.9	67.2	112
16,000	-15	5	16.5	64.9	108
SL	36	98	21.0	64.5	108
2000	33	91	21.0	65.5	109
4000	29	84	21.0	66.6	111
6000	25	77	21.0	68.3	114
8000	21	70	21.0	70.0	117
10,000	17	63	20.8	71.0	118
12,000	13	56	19.3	68.1	114
14,000	9	48	17.9	66.1	110
16,000	—	—	—	—	—

NOTES: 1. Full throttle manifold pressure settings are approximate.

2. Shaded area represents operation with full throttle.

3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

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October, 1983

ECONOMY CRUISE POWER SETTINGS

21.0 IN. HG (OR FULL THROTTLE) @ 2100 RPM
CRUISE LEAN MIXTURE
3400 LBS

20°C LEAN

OF PEAK EGT

PRESS. ALT.	IOAT		MAN. PRESS.	FUEL FLOW	AIR- SPEED
	°C	°F			
SL	-4	25	21.0	52.7	126
2000	-8	18	21.0	54.0	128
4000	-11	12	21.0	55.4	130
6000	-15	5	21.0	56.9	131
8000	-19	-2	21.0	58.9	132
10,000	-23	-9	20.8	60.1	132
12,000	-27	-17	19.3	56.7	123
14,000	-31	-24	17.9	54.5	113
16,000	-35	-32	16.5	52.2	103
SL	16	61	21.0	51.8	103
2000	12	54	21.0	53.1	106
4000	9	48	21.0	54.4	109
6000	5	41	21.0	55.7	112
8000	1	34	21.0	57.3	116
10,000	-3	27	20.8	58.5	120
12,000	-7	19	19.3	56.6	116
14,000	-11	12	17.9	55.5	113
16,000	-15	5	16.5	53.5	108
SL	36	97	21.0	50.8	114
2000	32	90	21.0	52.1	116
4000	29	83	21.0	53.4	118
6000	25	77	21.0	54.7	119
8000	21	70	21.0	55.9	120
10,000	17	63	20.8	56.8	119
12,000	13	55	19.3	54.5	108
14,000	9	48	17.9	52.2	103
16,000	—	—	—	—	—

NOTES: 1. Full throttle manifold pressure settings are approximate.

2. Shaded area represents operation with full throttle.

3. Fuel flows are to be used for flight planning only and will vary from airplane to airplane. Lean using the EGT.

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October, 1983