

APPENDIX FOR MAXIMUM TAKE-OFF AND LANDING WEIGHT INCREASES

SECTION 1 – GENERAL

This appendix must be attached to the R.A.I. Approved Flight manual when the aircraft is operated at the following weights:

- a. Maximum Take-off: 4387 Pounds (1990 Kilograms)
- b. Maximum Landing: 4167 Pounds (1890 Kilograms)

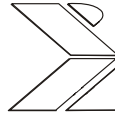
For Limitations, Procedures and Performance data not contained in this appendix, consult the basic Aircraft Flight Manual.

NOTE: The Limitations, Performance Data and Information in this appendix must be considered as overriding the basic Aircraft Flight Manual where there is any conflict between the Appendix and Flight Manual.

SECTION 2 – LIMITATIONS

AIRSPEED LIMITATIONS

- a. Manoeuvring Speed, V_A 130 KIAS (126 KCAS)



WEIGHT AND CENTRE OF GRAVITY LIMITS

Weight Limits:

- a. Maximum Take-off Weight: 4387 Pounds (1990 Kilograms)
- b. Maximum Landing Weight: 4167 Pounds (1890 Kilograms)

Centre of Gravity Limits:

- a. Aft Limit: 20.7 Inches /34% M.A.C.) Aft of Datum at all weights
- b. Forward Limits: 13.03 Inches (21.4% M.A.C.) Aft of datum at 4387 Pounds
10.20 Inches (16.8% M.A.C.) Aft of datum at 3527 Pounds or less with
straight line variation between these points.

Datum Location is at the Wing Leading Edge.

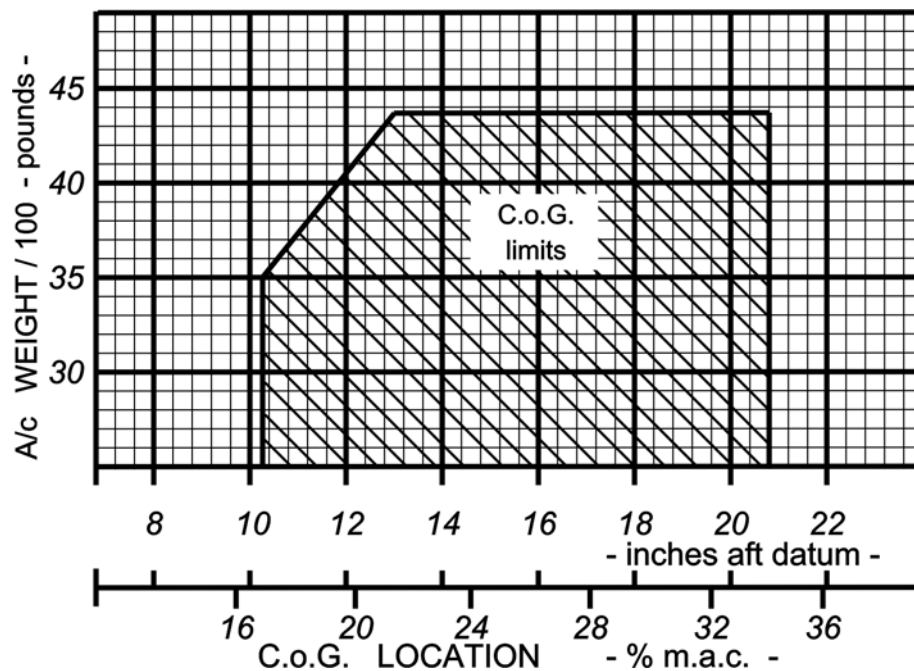


FIGURE 2-1



SECTION 3 – EMERGENCY PROCEDURES

No Changes

SECTION 4 – NORMAL PROCEDURES

No Changes

SECTION 5 – PERFORMANCE

NOTE: The Performance Data not included in this Appendix, may be obtained from Performance Charts in the basic Flight Manual, by extrapolating the variation with weight up to 4387 pounds.

STALL SPEEDS

CONDITIONS:

1. Throttle – IDLE
2. MAXIMUM take-off Weight – 4387 Pounds.

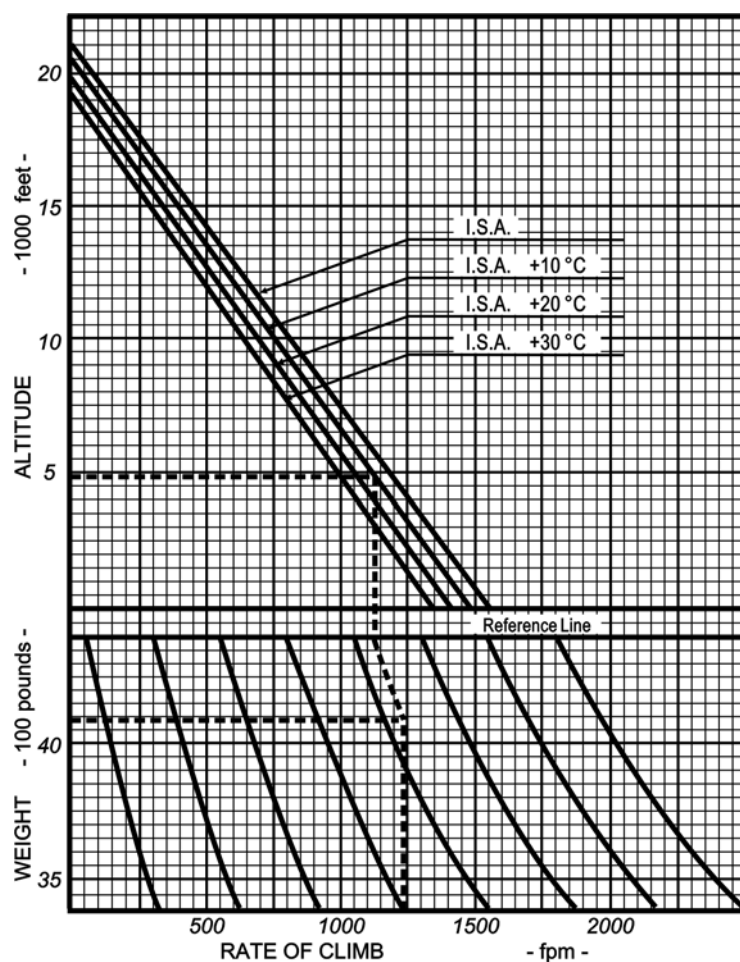
FLAPS	ANGLE OF BANK							
	0°		20°		40°		60°	
	KIAS	KCAS	KIAS	KCAS	KIAS	KCAS	KIAS	KCAS
0°	66	65	68	67	76	74	95	92
15°	63	61	65	63	73	70	90	86
35°	61	58	63	59	69	65	85	80



RATE OF CLIMB – MAXIMUM CLIMB

CONDITIONS:

1. 2700 RPM and Full Throttle
2. Mixture – FULL RICH up to 5000 feet. At higher altitude, lean for smooth operation. Do not exceed 435 °F (224 °C) C.H.T.
3. Flaps – UP
4. Best rate of Climb Speed – 90 KIAS

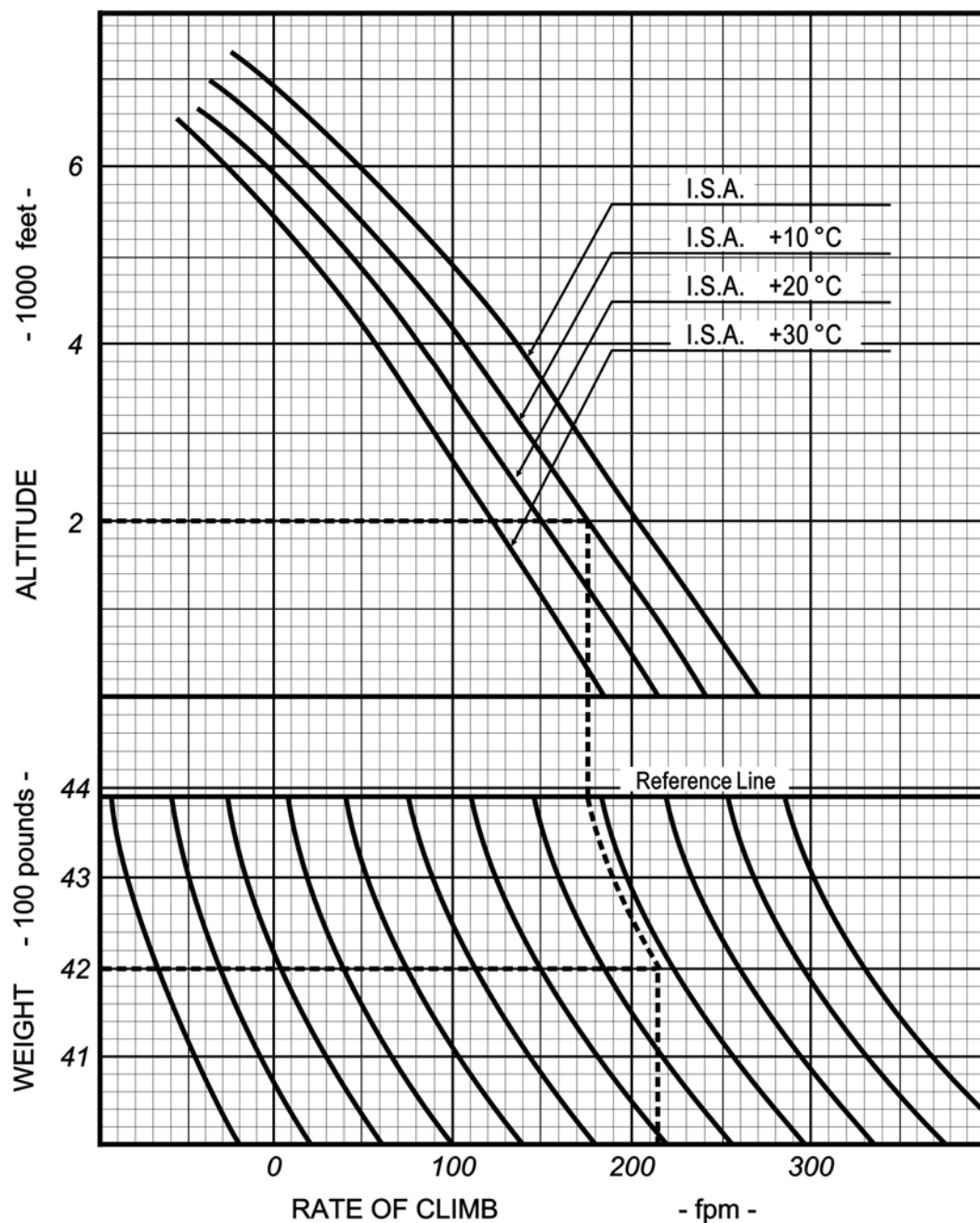




RATE OF CLIMB – SINGLE ENGINE

CONDITIONS:

5. 2700 RPM and Full Throttle
6. Mixture – FULL RICH up to 5000 feet. At higher altitude, lean for smooth operation. Do not exceed 435 °F (224 °C) C.H.T.
7. Flaps – UP
8. Best rate of Climb Speed – 88 KIAS





SECTION 6 – WEIGHT AND BALANCE

CENTER OF GRAVITY MOMENT ENVELOPE

