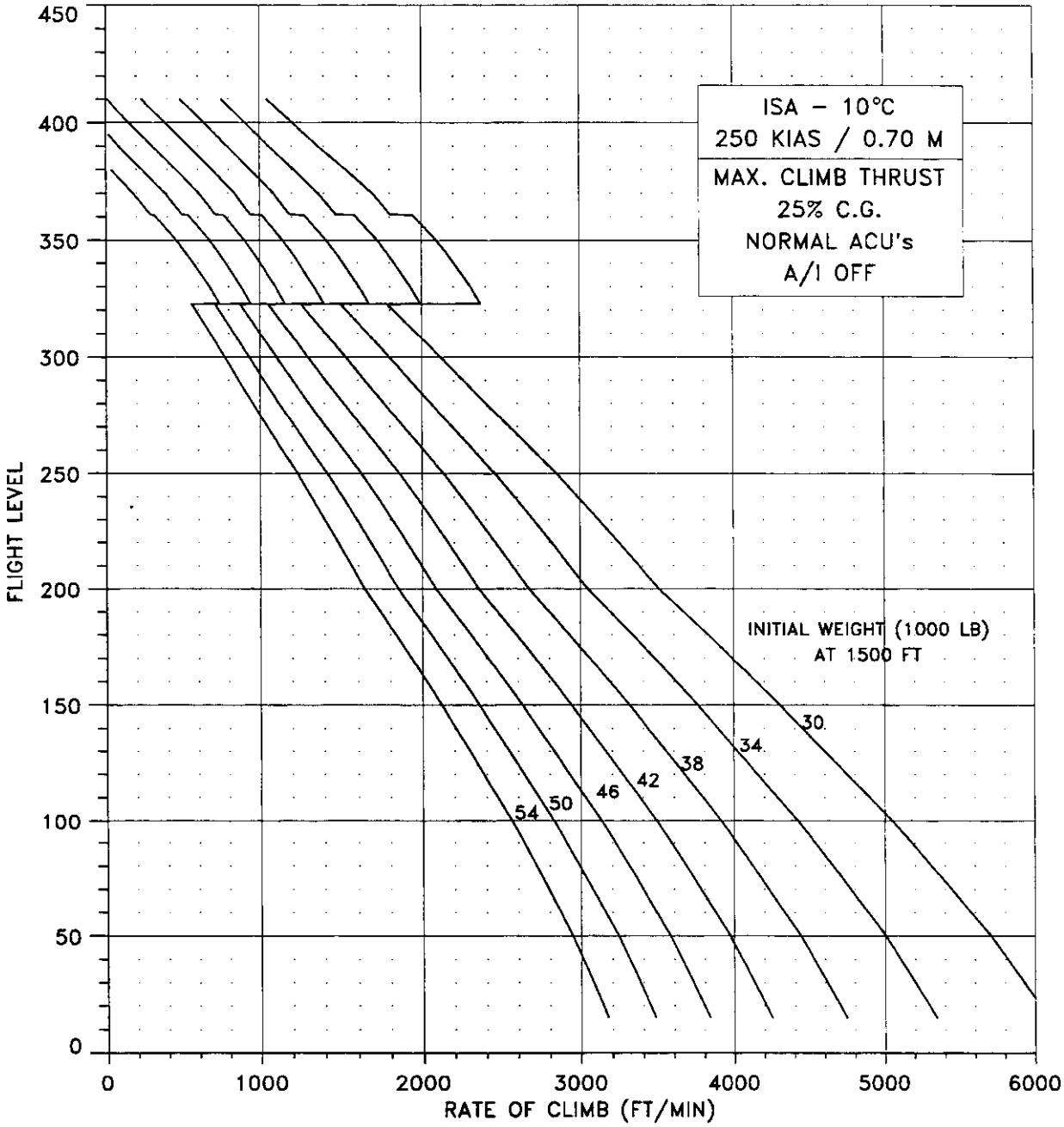
1. INTRODUCTION

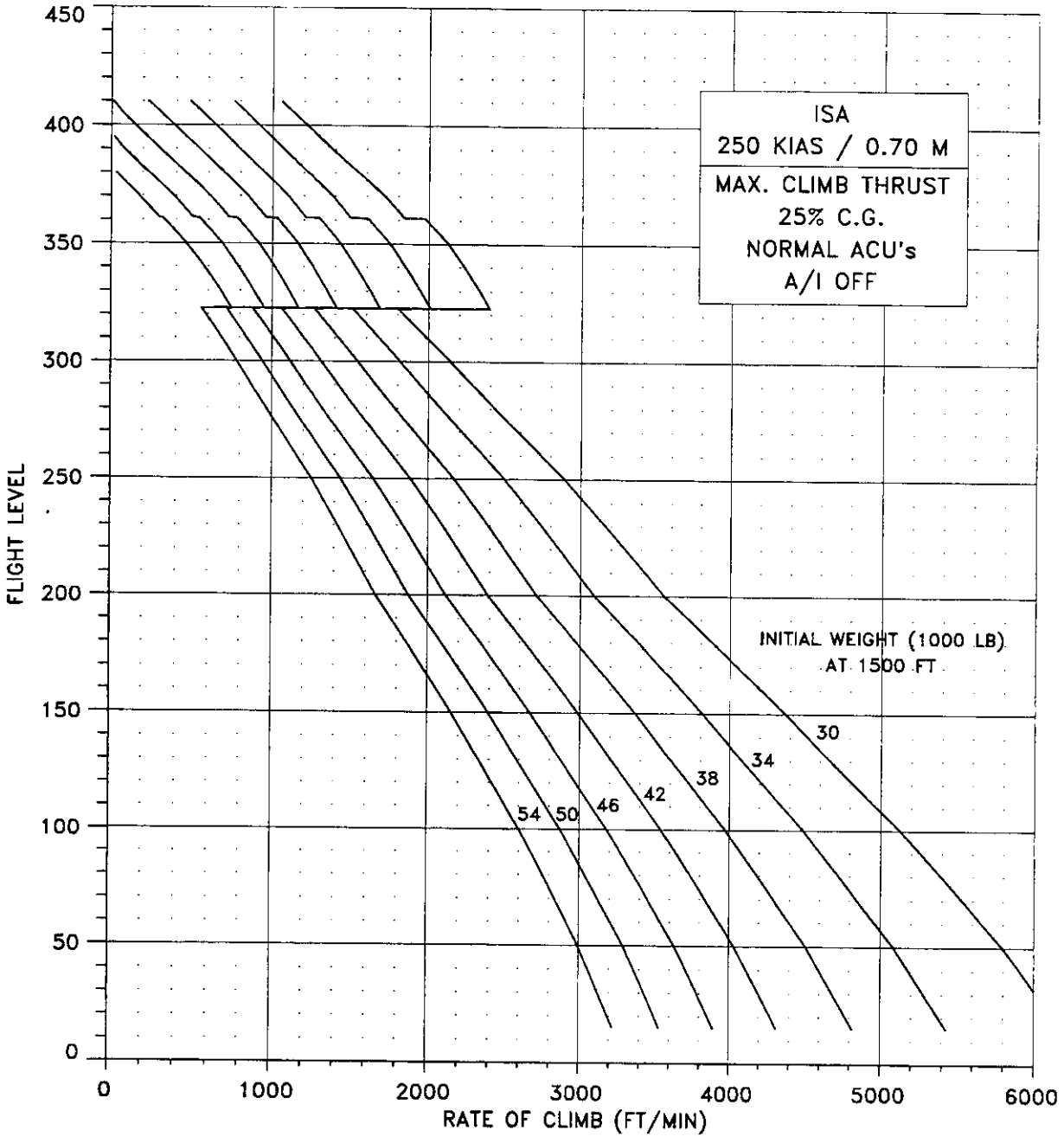
The all engine rate of climb and the 100, 300 and 500 fpm climb ceiling are presented in graphical form. Data are based on the use of maximum climb thrust with normal air-conditioning on, anti-ice off and weight at 1500 ft pressure altitude. Ceiling data are presented for initial climb weight and weight at altitude.

Data are presented for the following climb speed schedules for –10, 0, 5, 10, 15 and 20 °C temperature deviation from ISA:

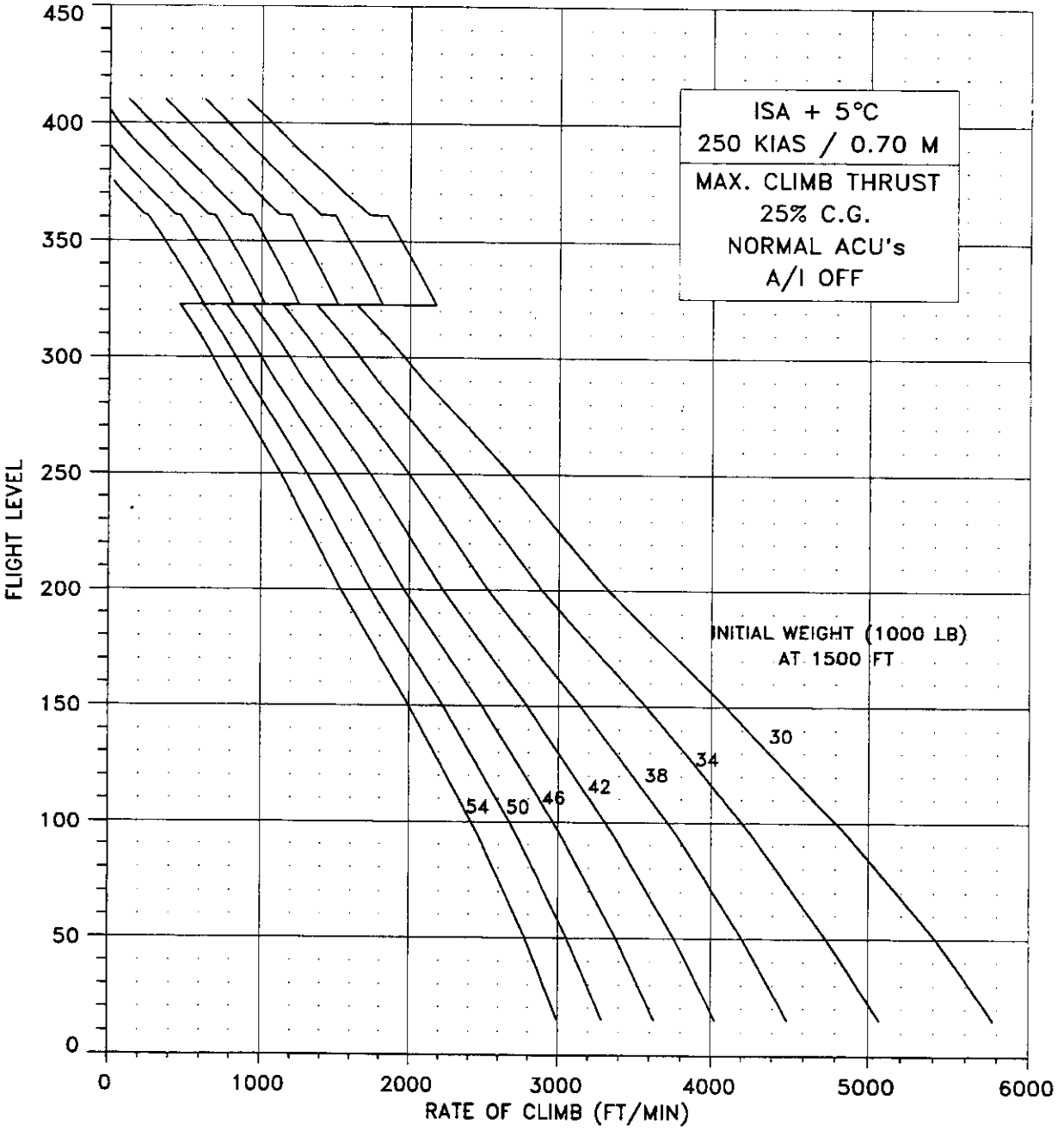
- 250 KIAS/0.70 M "Long Range Climb Speed",
- 250/290 KIAS/0.74 M "Normal Climb Speed",
- 250/320 KIAS/0.77 M "High Speed Climb".



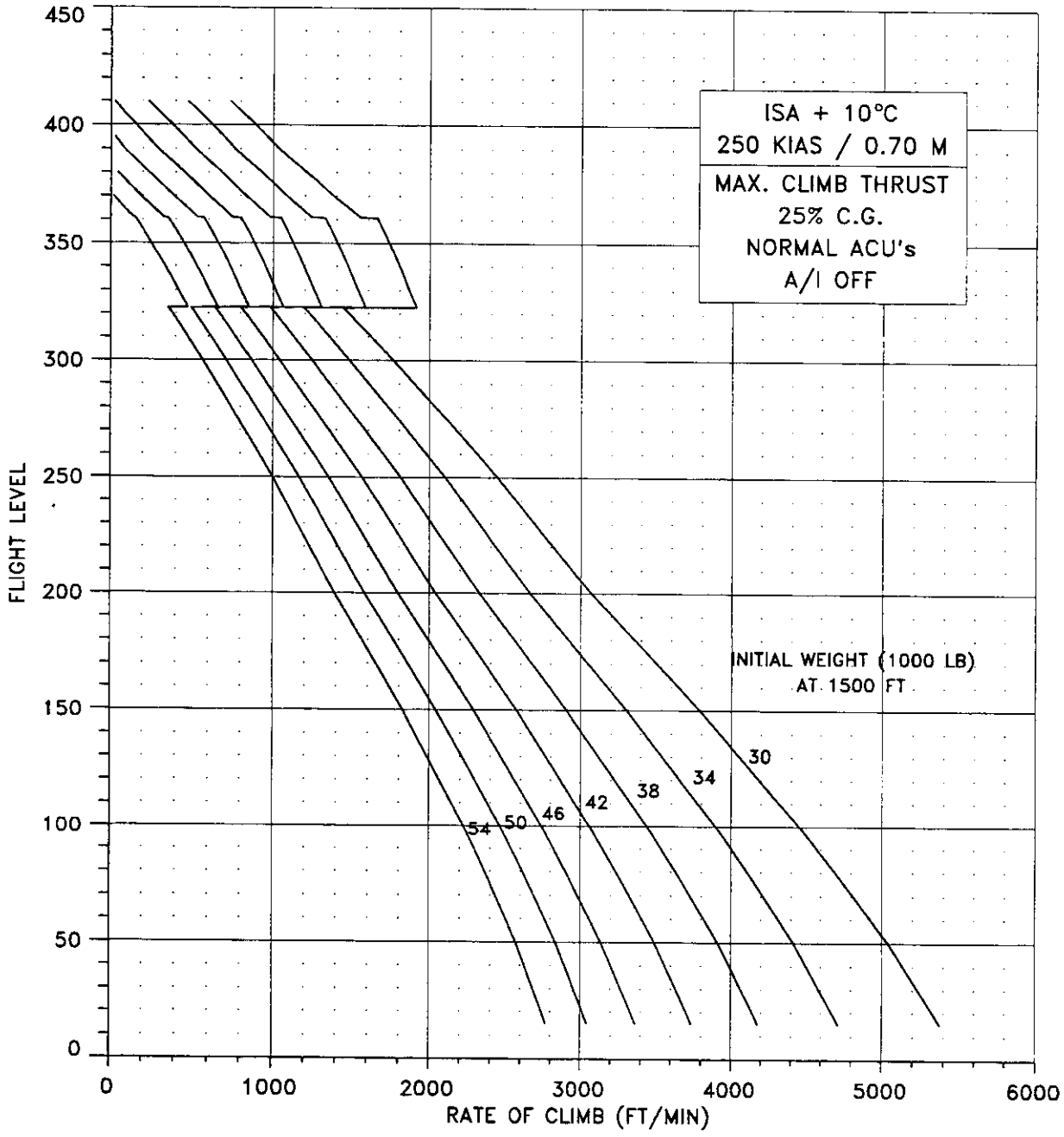
Rate of Climb (250 KIAS / 0.70 M), ISA – 10 °C
Figure 03-03-1



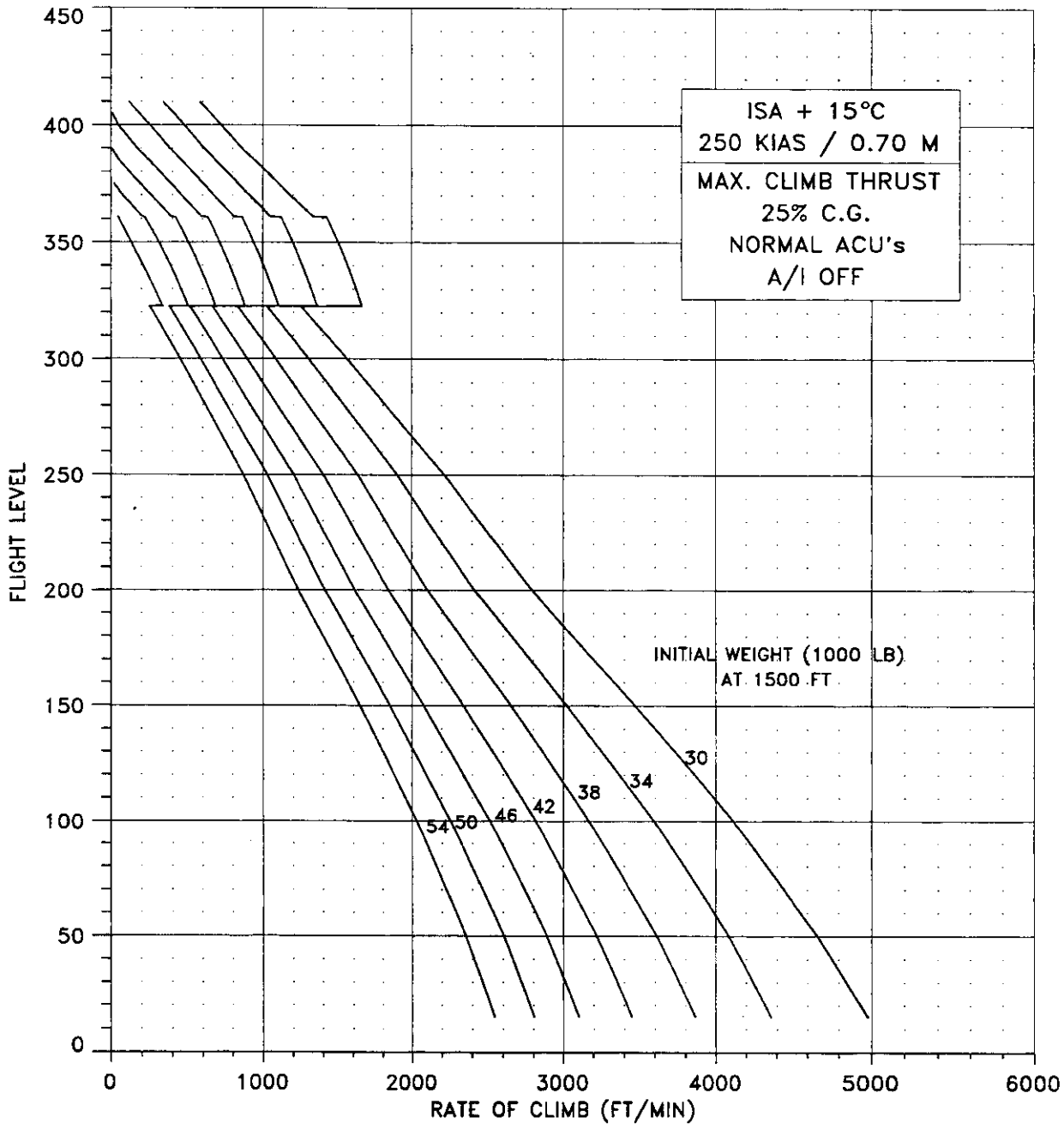
Rate of Climb (250 KIAS / 0.70 M), ISA
Figure 03-03-2



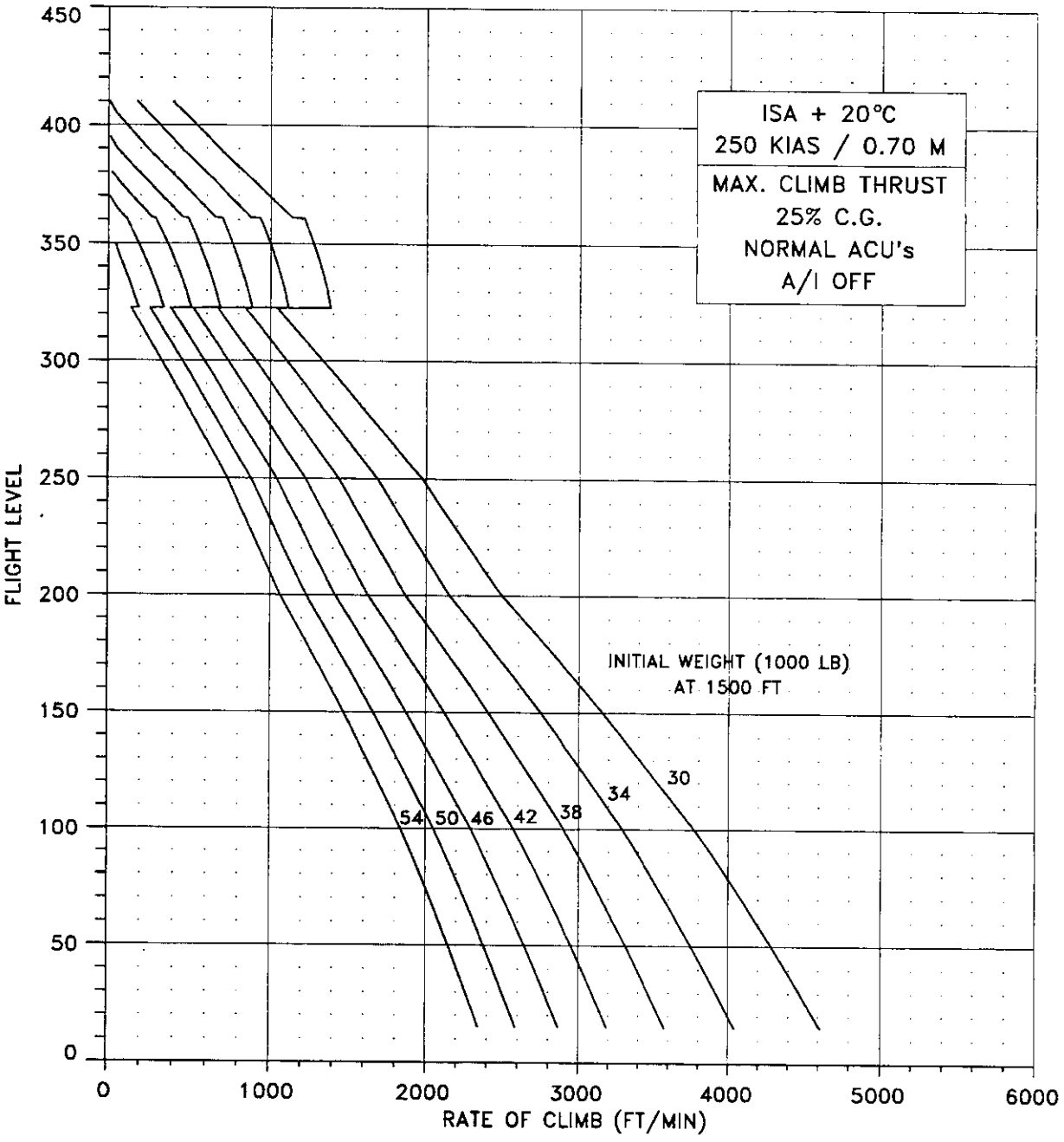
Rate of Climb (250 KIAS / 0.70 M), ISA + 5 °C
Figure 03–03–3



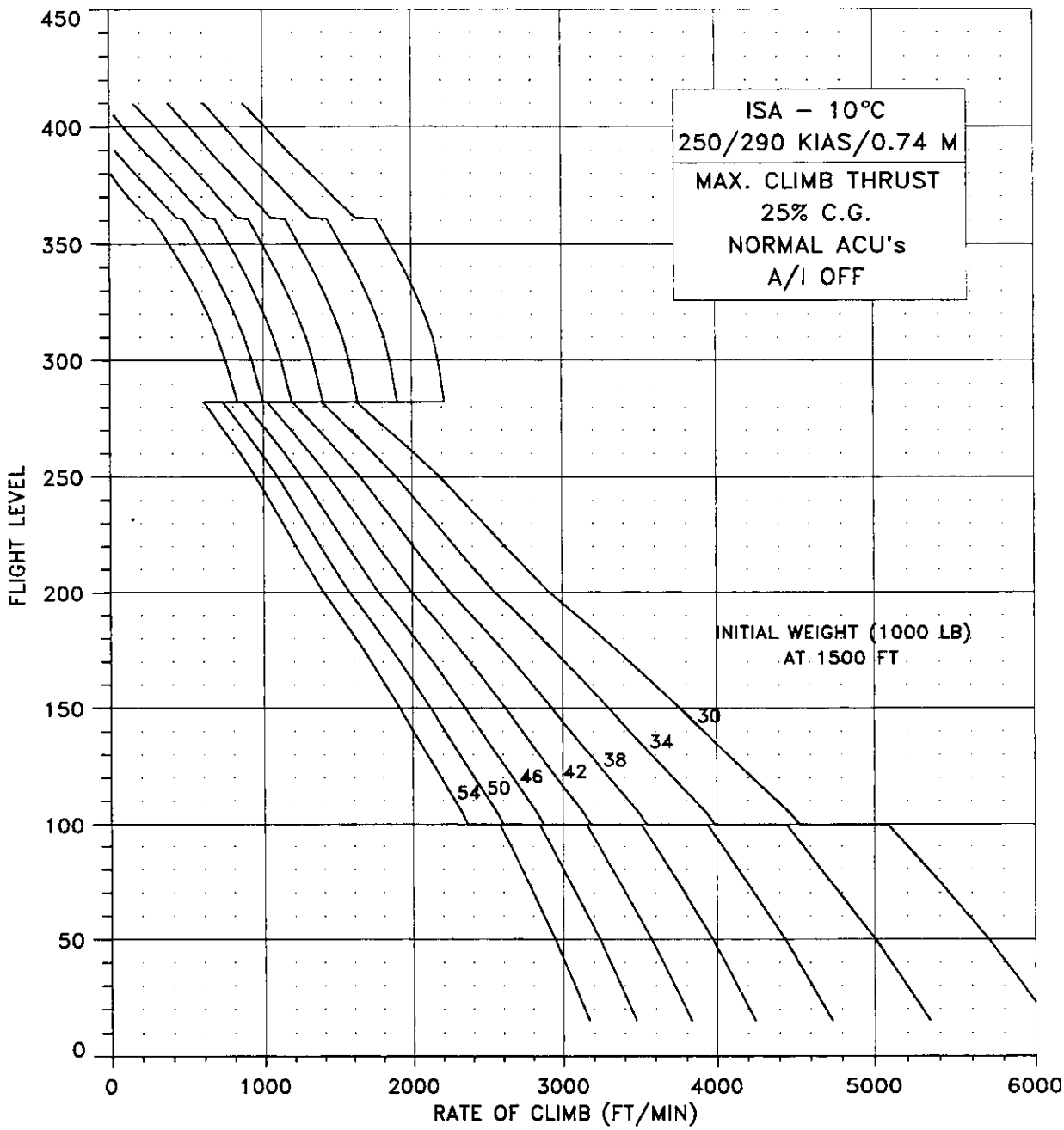
Rate of Climb (250 KIAS / 0.70 M), ISA + 10 °C
Figure 03-03-4



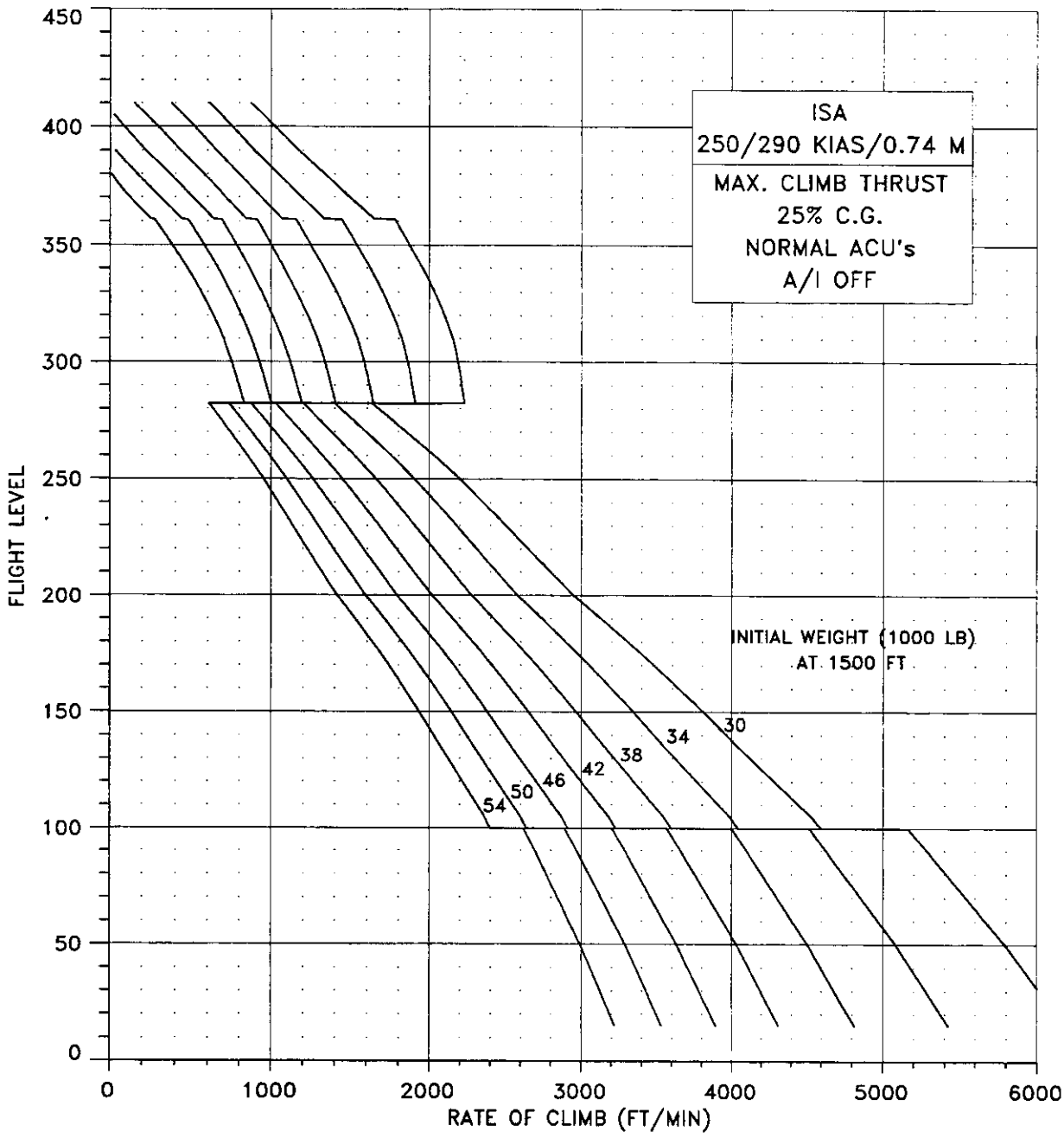
Rate of Climb (250 KIAS / 0.70 M), ISA + 15 °C
Figure 03–03–5



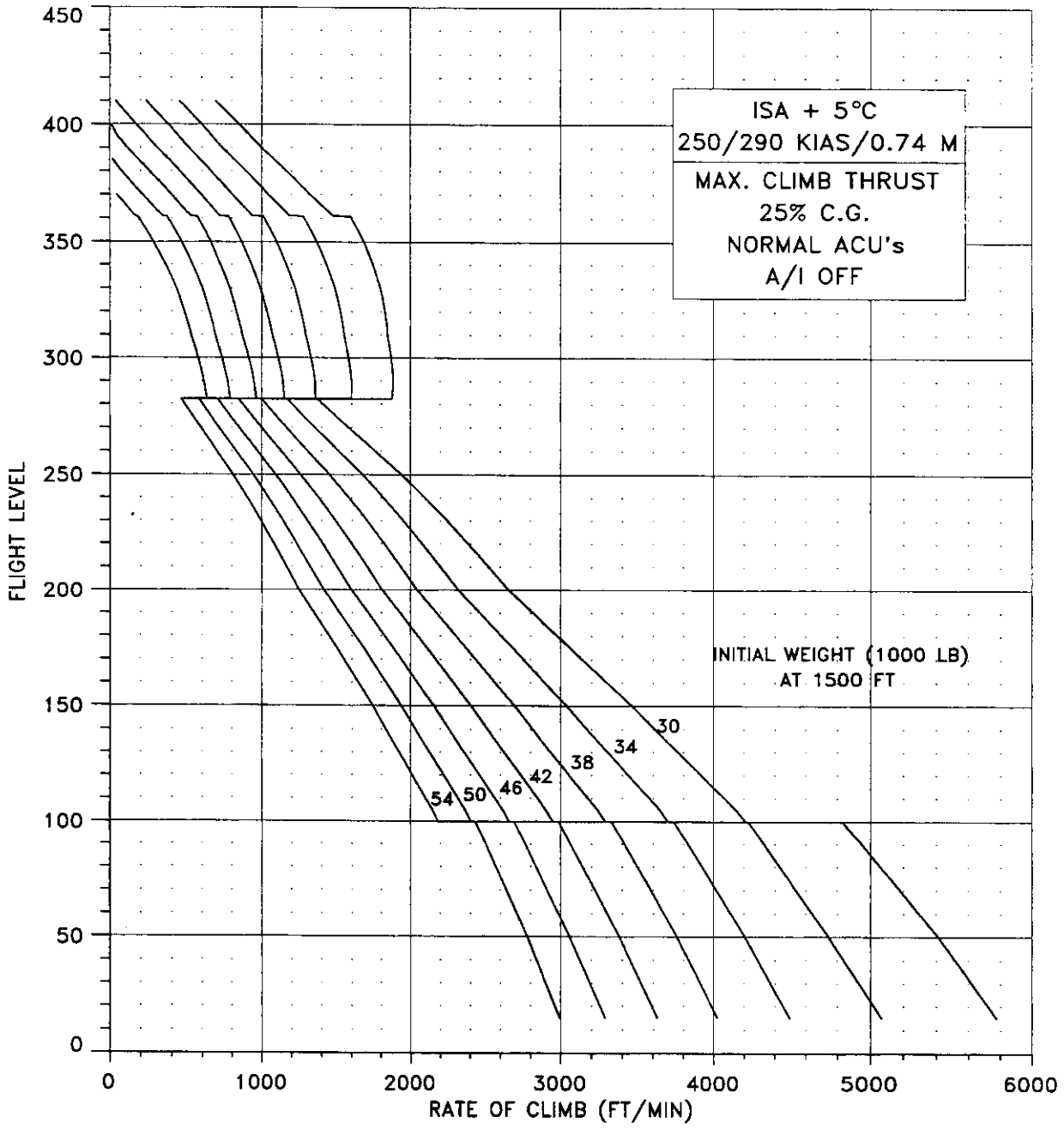
Rate of Climb (250 KIAS / 0.70 M), ISA + 20 °C
Figure 03–03–6



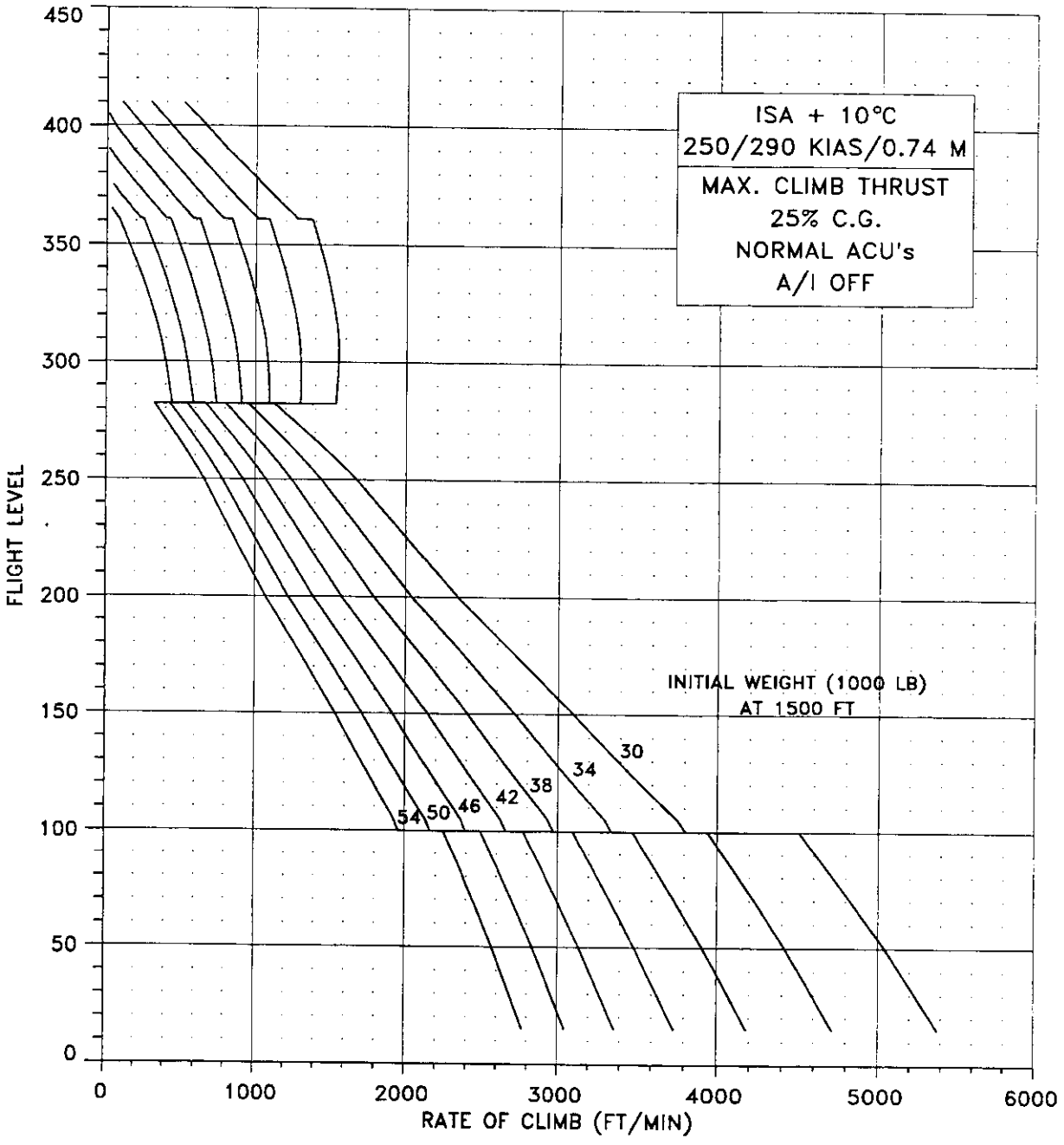
Rate of Climb (250/290 KIAS / 0.74 M), ISA – 10 °C
Figure 03–03–7



Rate of Climb (250/290 KIAS / 0.74 M), ISA
Figure 03-03-8

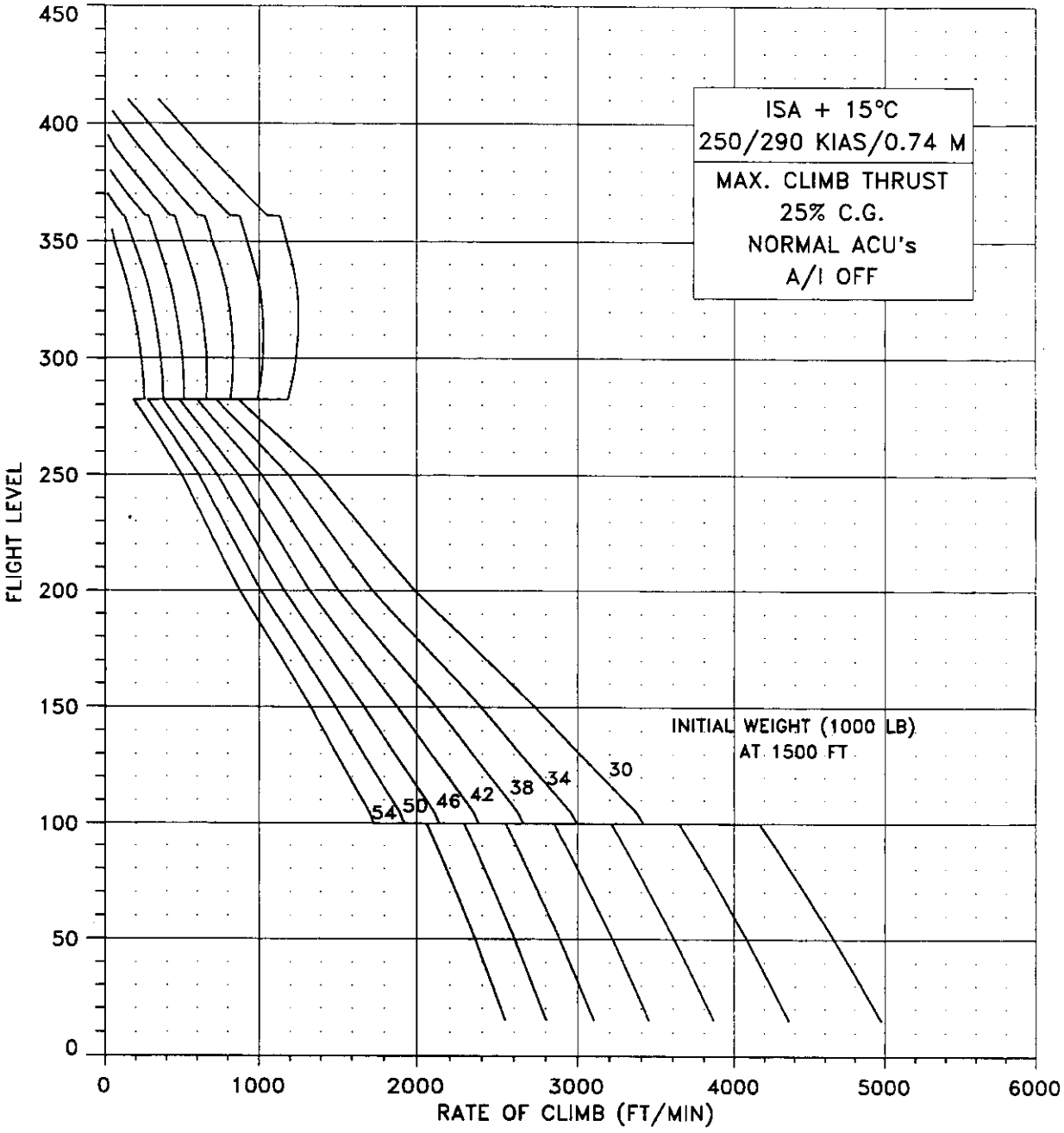


Rate of Climb (250/290 KIAS / 0.74 M), ISA + 5 °C
Figure 03–03–9

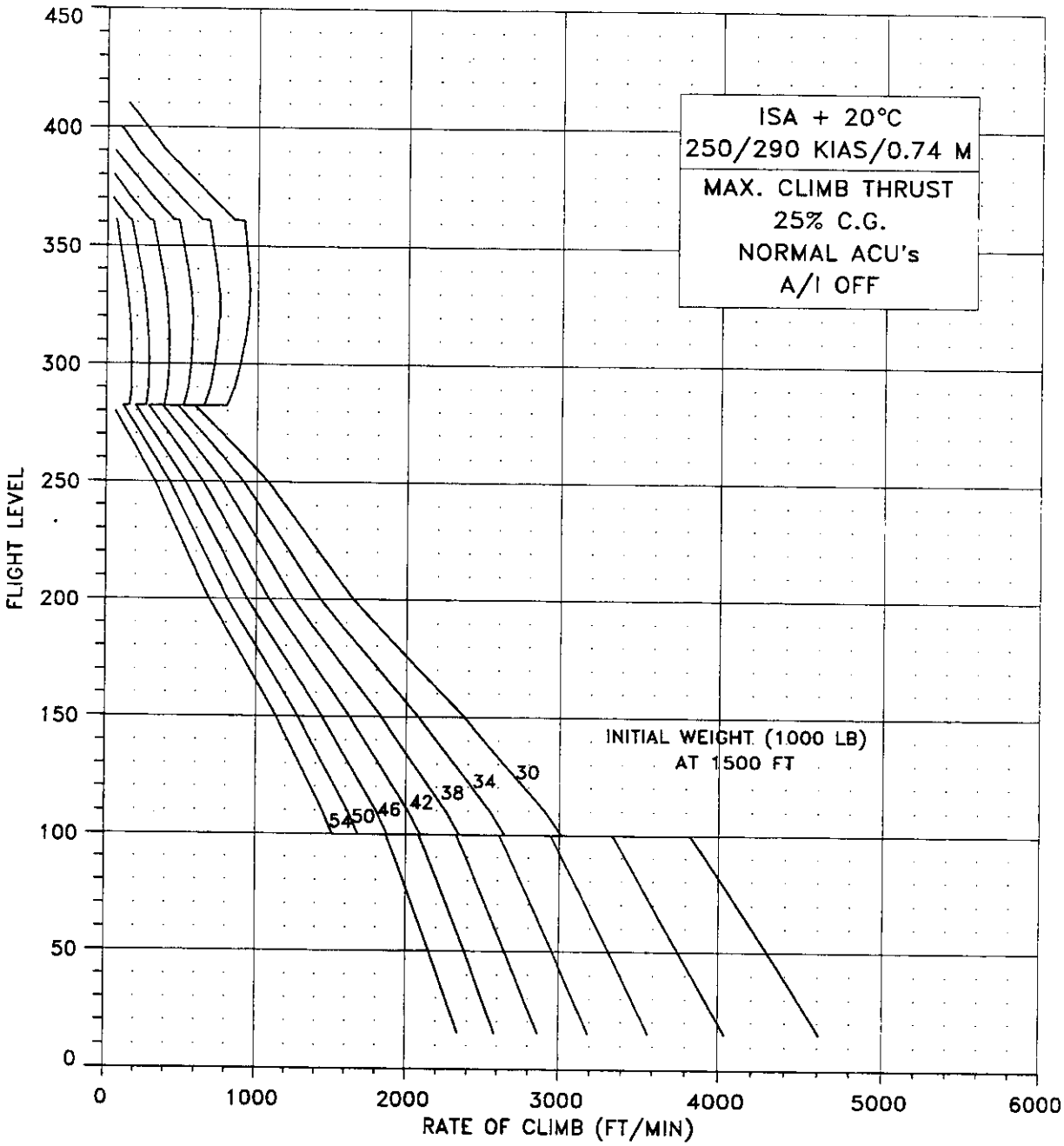


ROC29010I_3B – 03/07/96

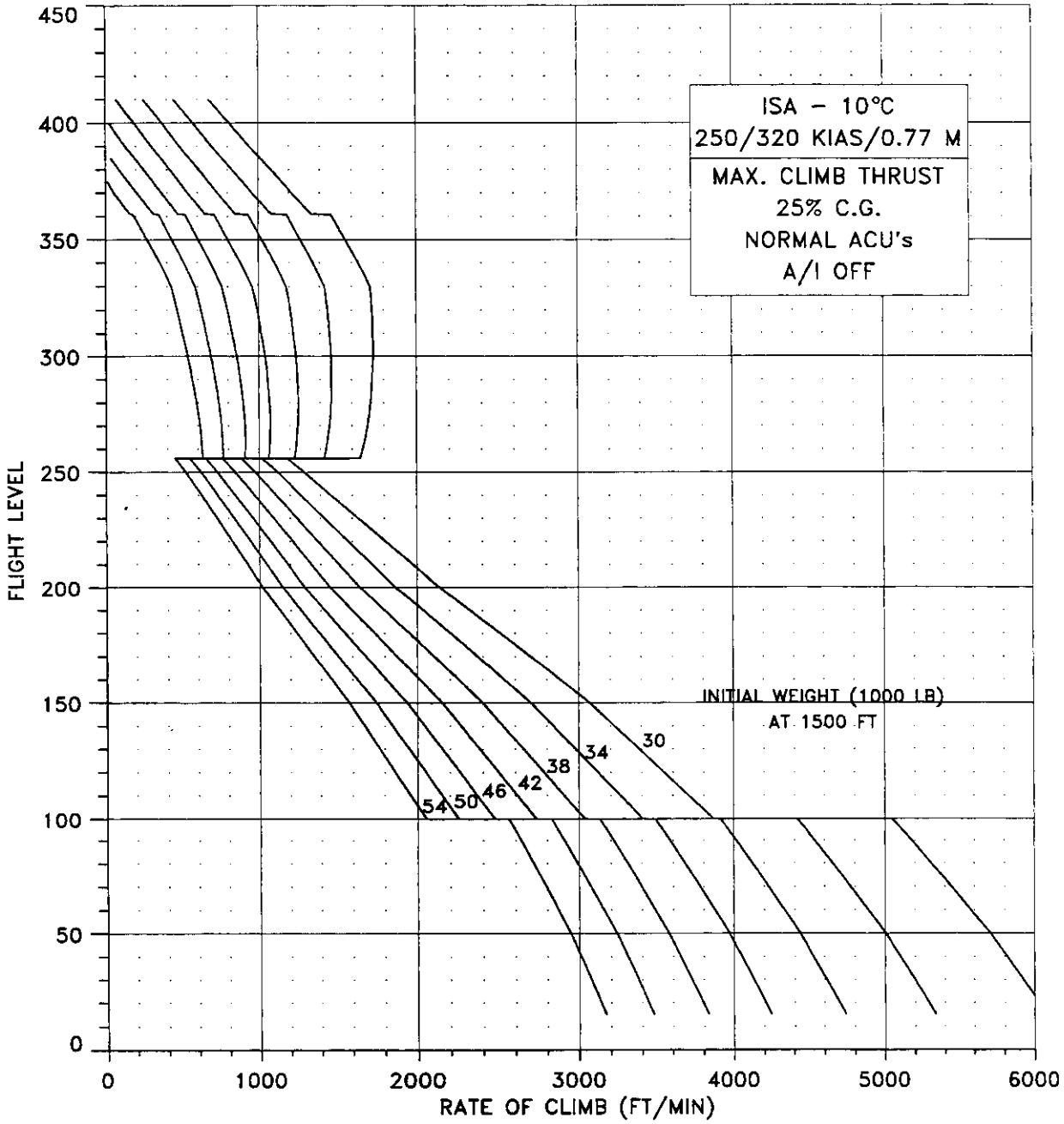
Rate of Climb (250/290 KIAS / 0.74 M), ISA + 10 °C
Figure 03–03–10



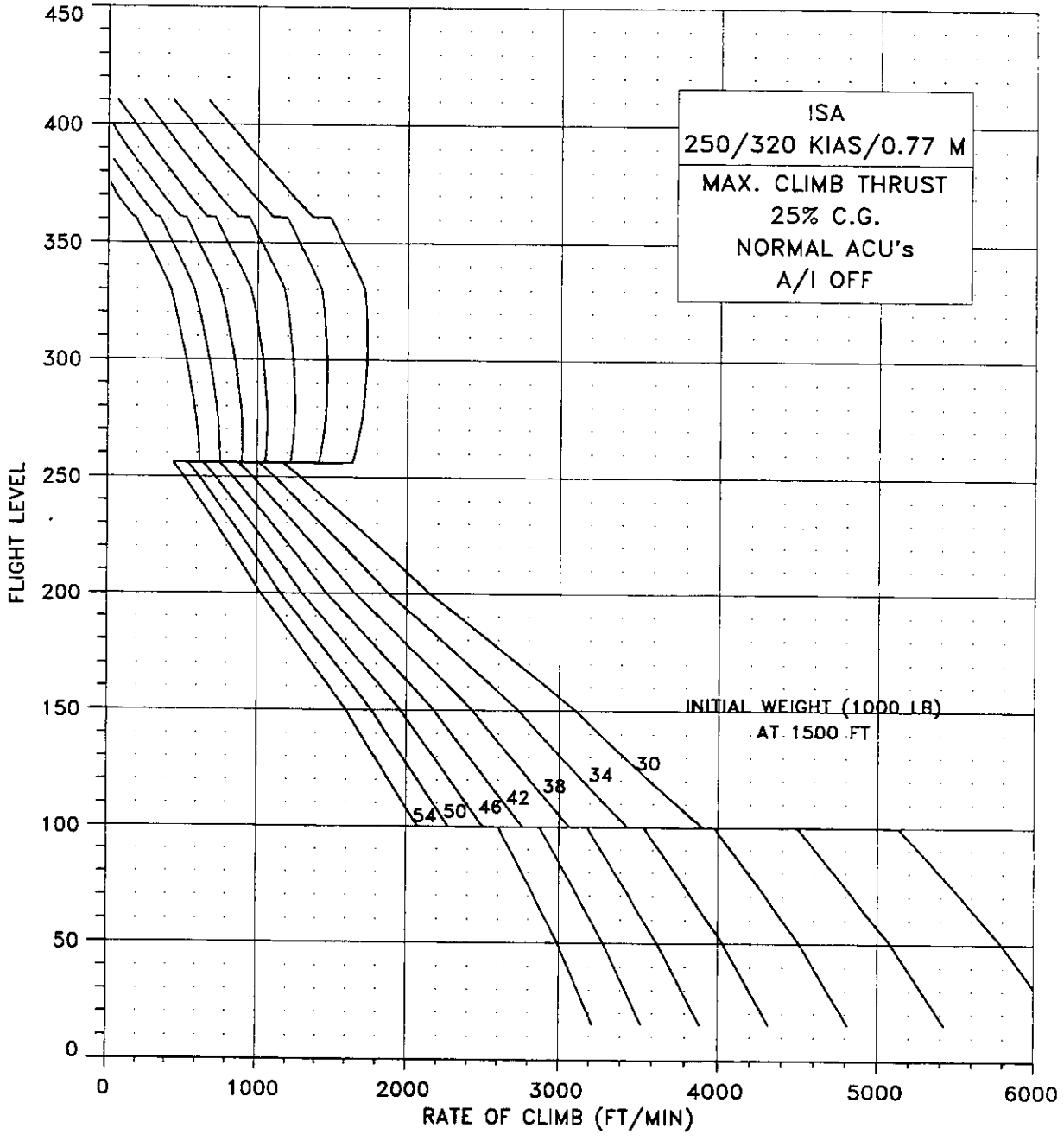
Rate of Climb (250/290 KIAS / 0.74 M), ISA + 15 °C
Figure 03-03-11



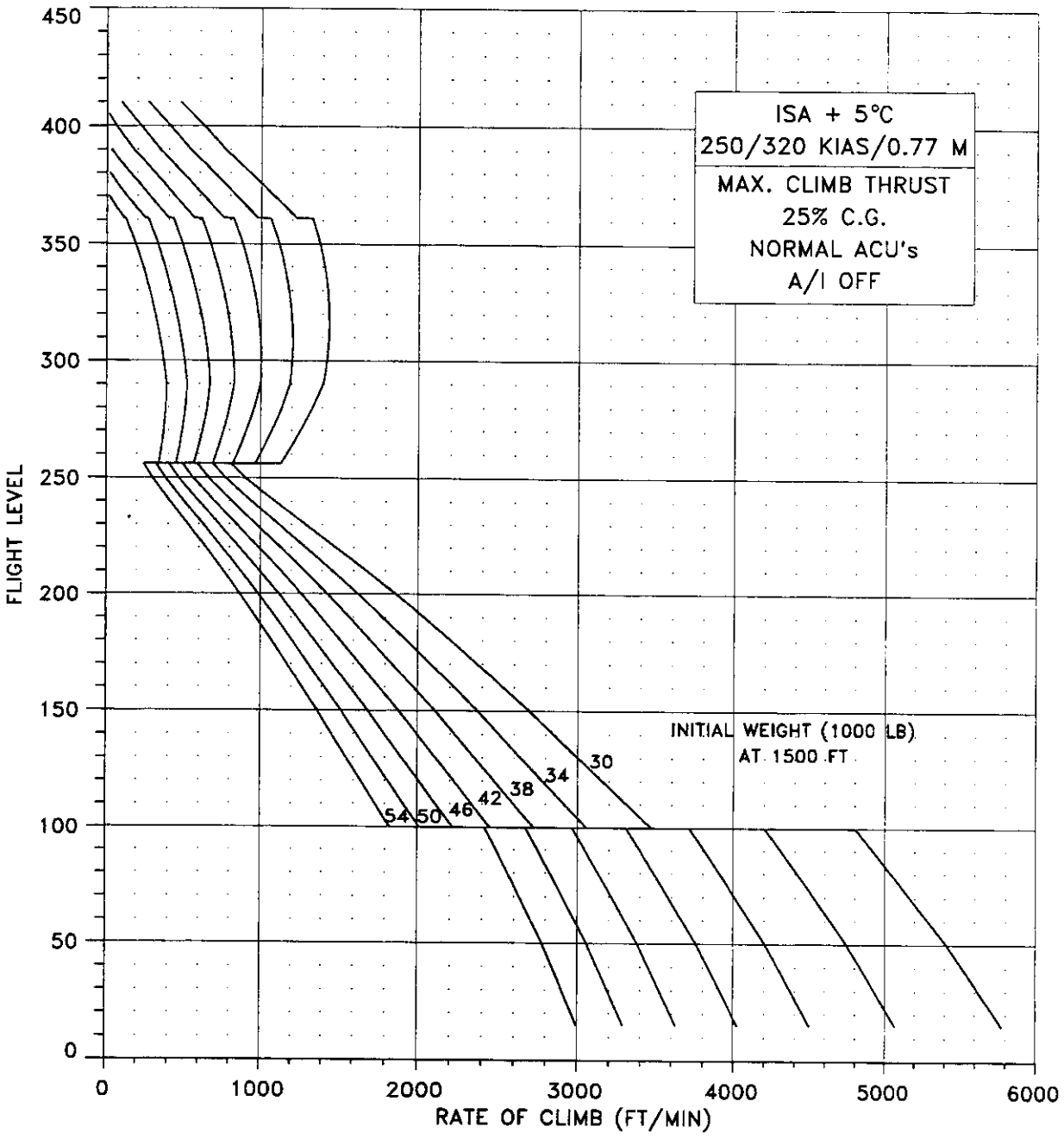
Rate of Climb (250/290 KIAS / 0.74 M), ISA + 20 °C
Figure 03-03-12



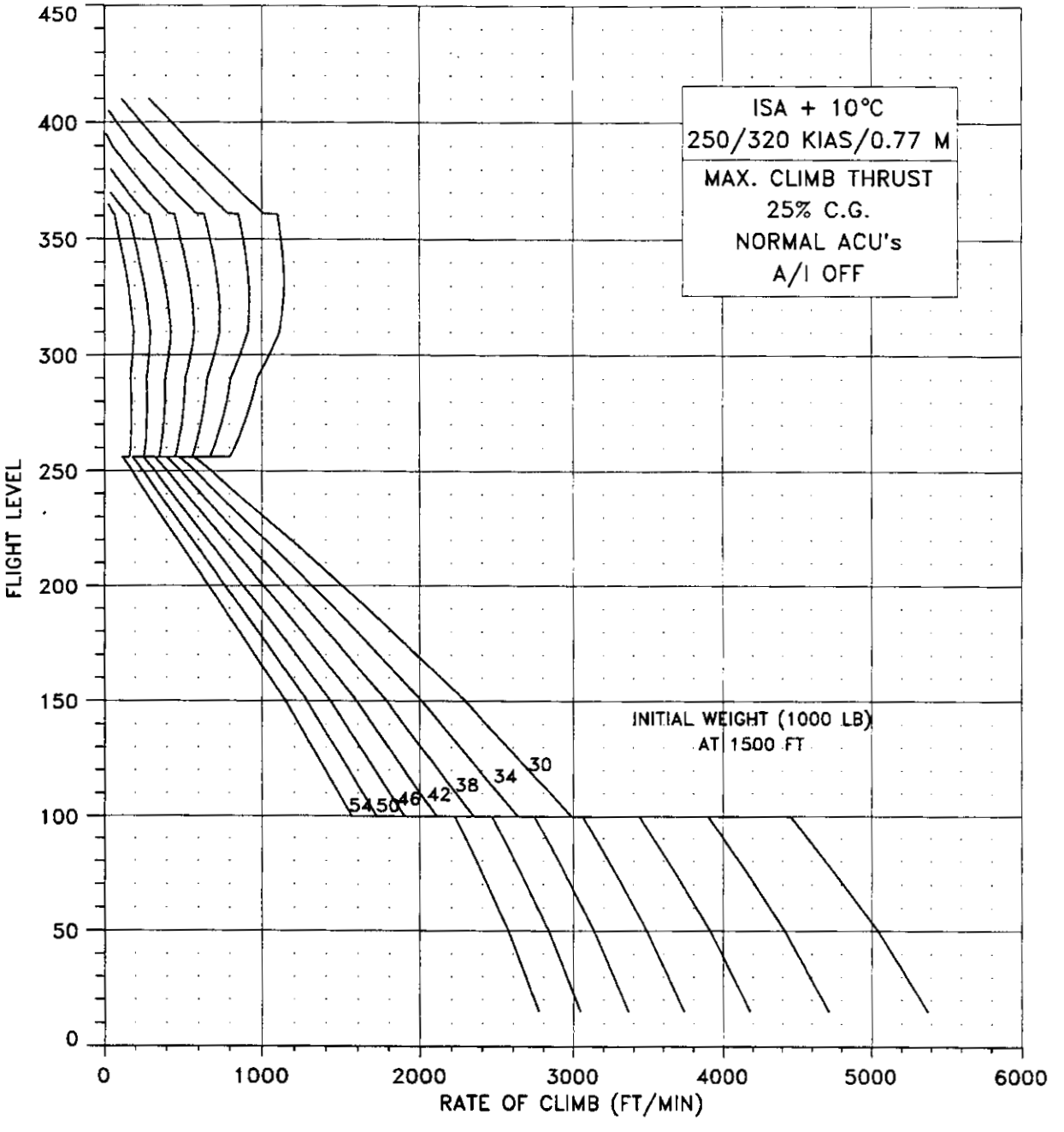
Rate of Climb (250/320 KIAS / 0.77 M), ISA – 10 °C
Figure 03-03-13



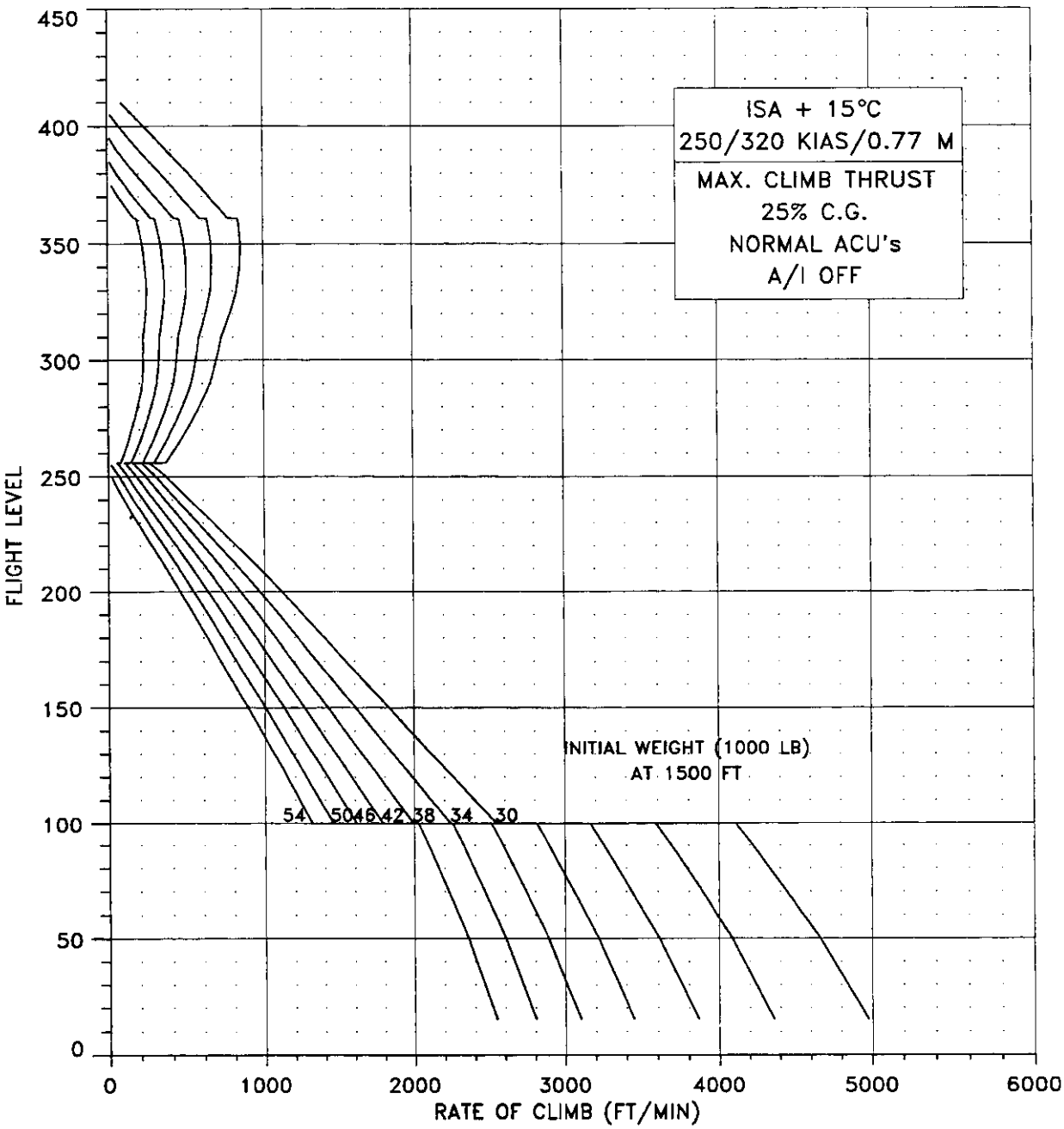
Rate of Climb (250/320 KIAS / 0.77 M), ISA
Figure 03-03-14



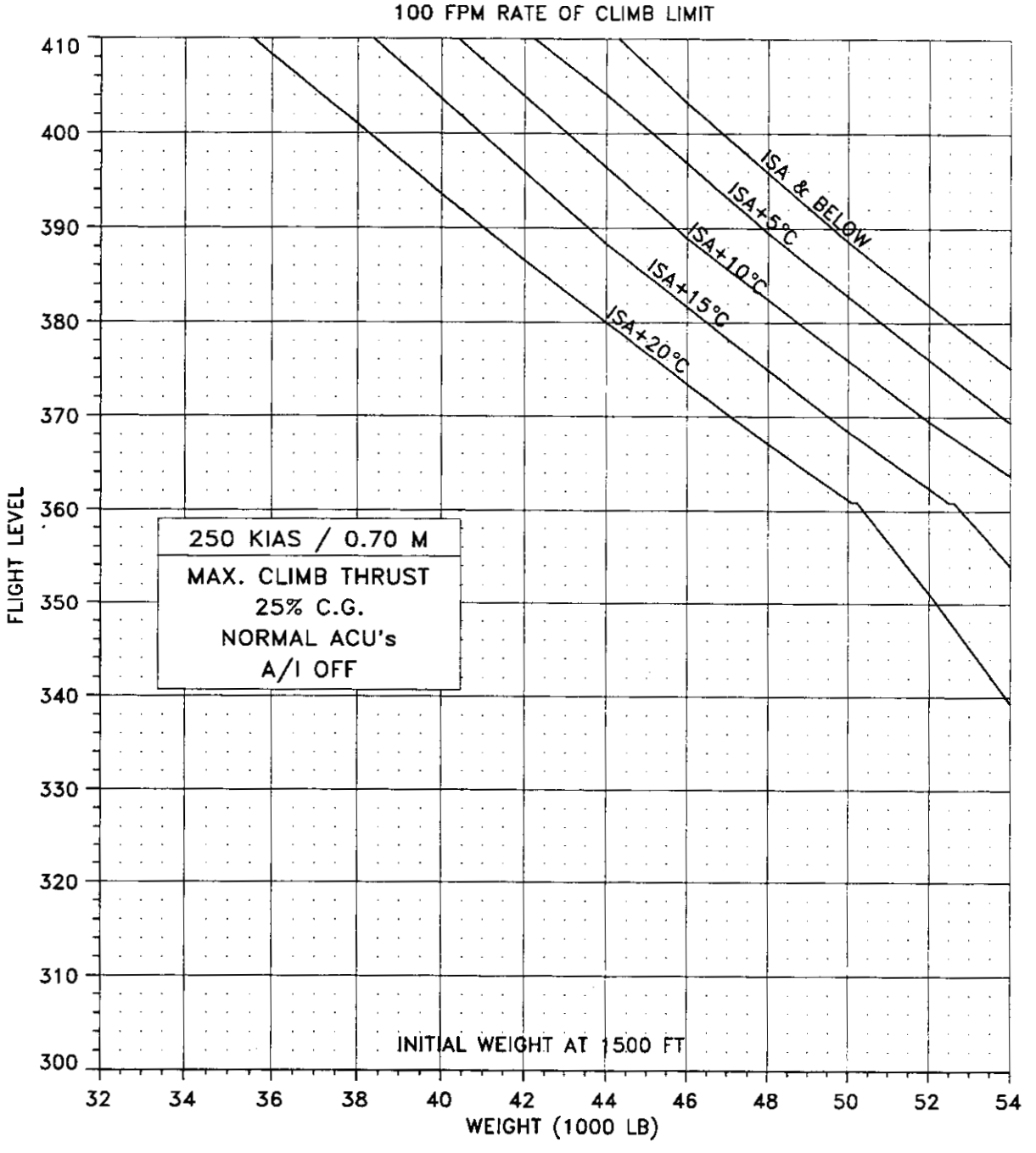
Rate of Climb (250/320 KIAS / 0.77 M), ISA + 5 °C
Figure 03–03–15



Rate of Climb (250/320 KIAS / 0.77 M), ISA + 10 °C
Figure 03–03–16

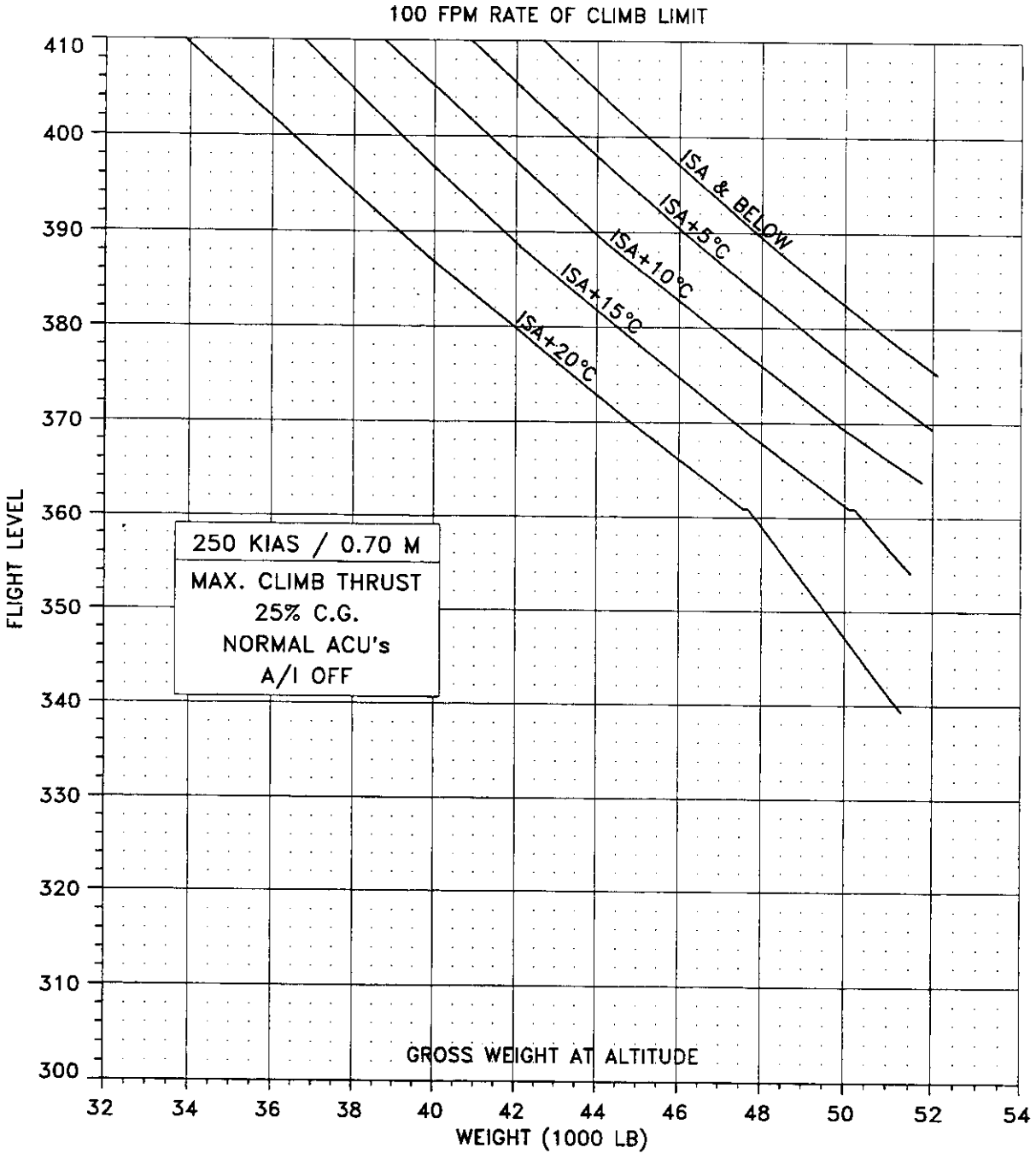


Rate of Climb (250/320 KIAS / 0.77 M), ISA + 15 °C
Figure 03–03–17

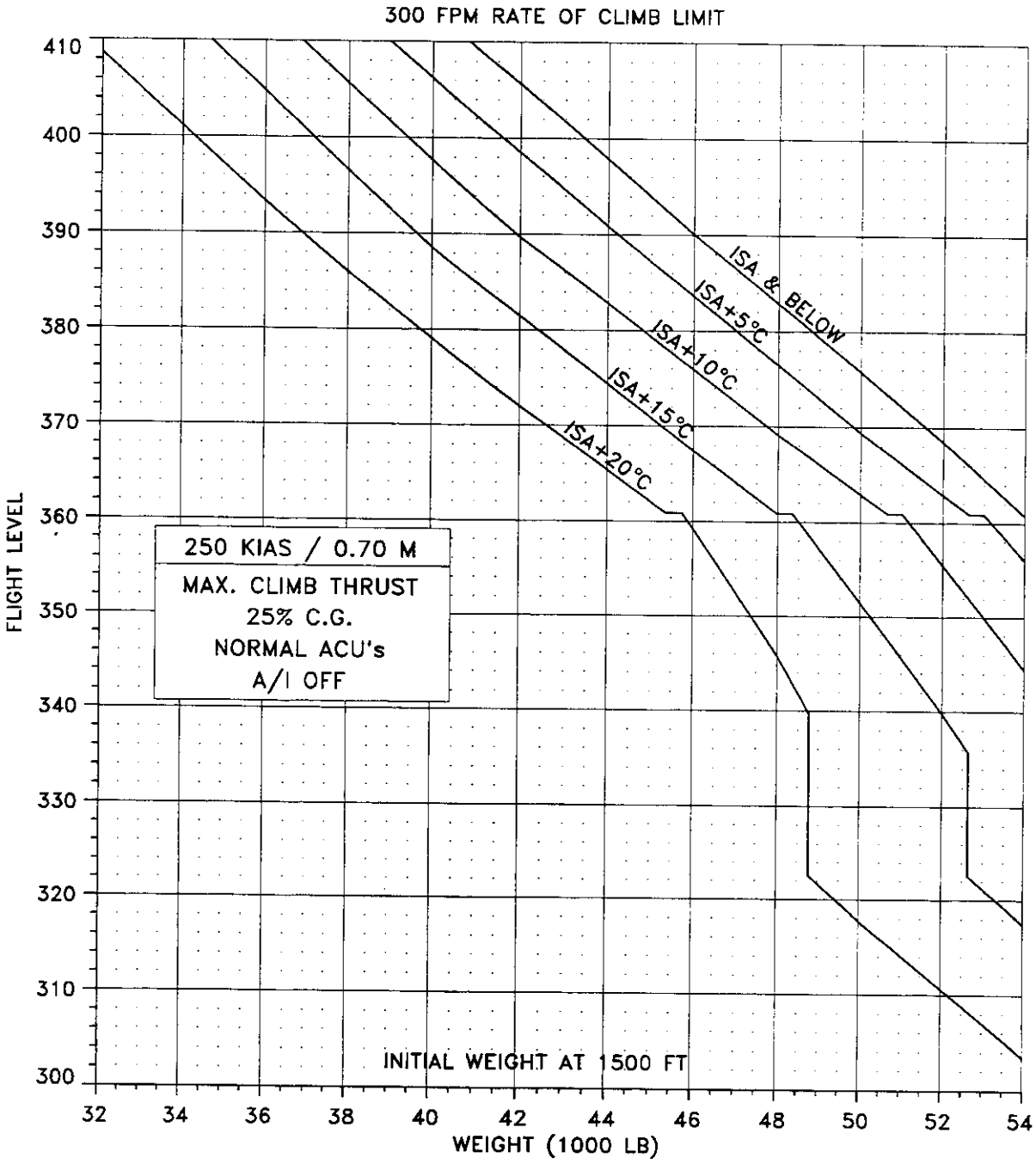


CLB250_100FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250 KIAS / 0.70 M (100 FPM Rate of Climb Limit)
Figure 03-03-18

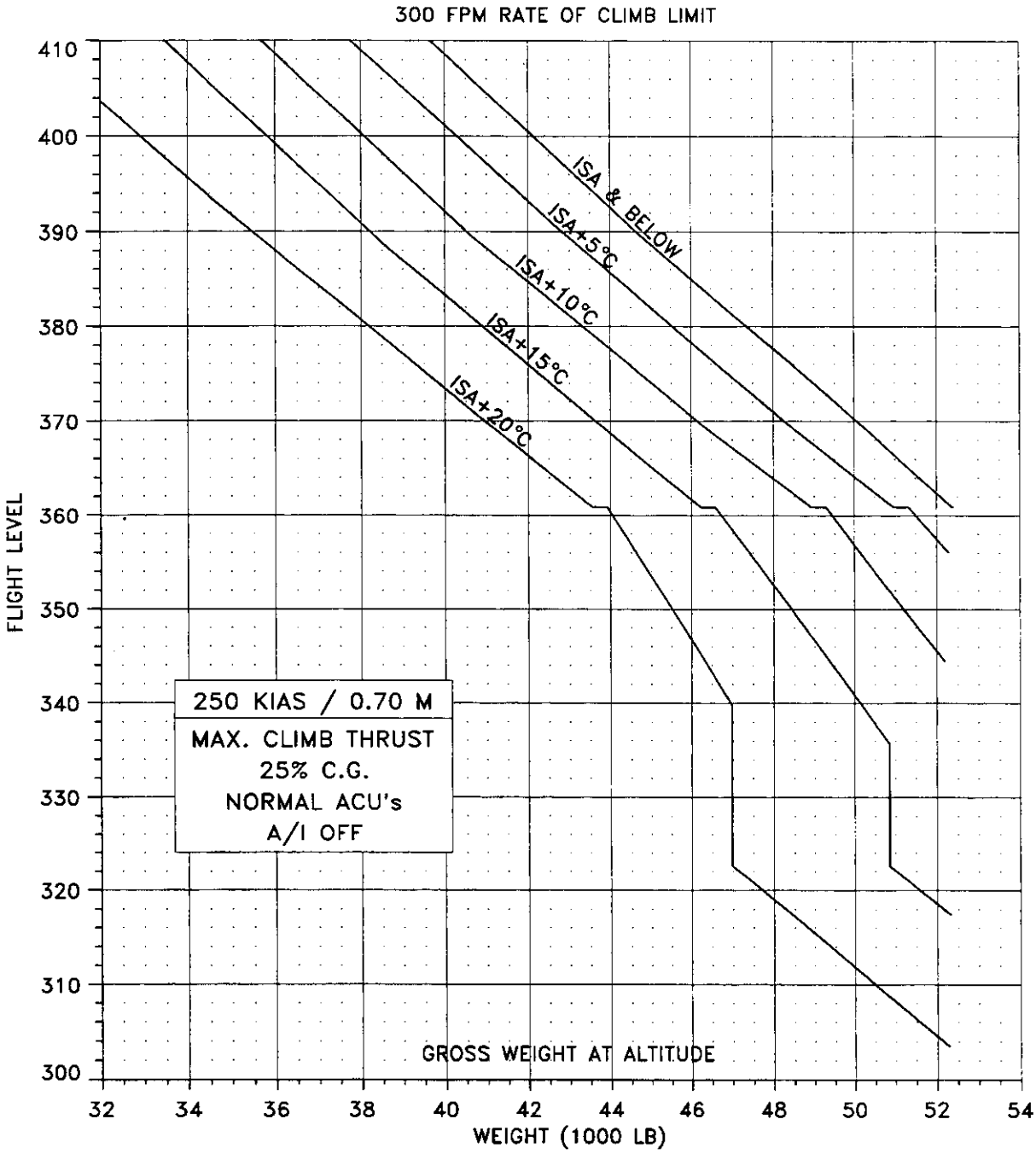


Climb Ceiling (Gross Weight at Altitude) – 250 KIAS / 0.70 M (100 FPM Rate of Climb Limit)
Figure 03–03–19

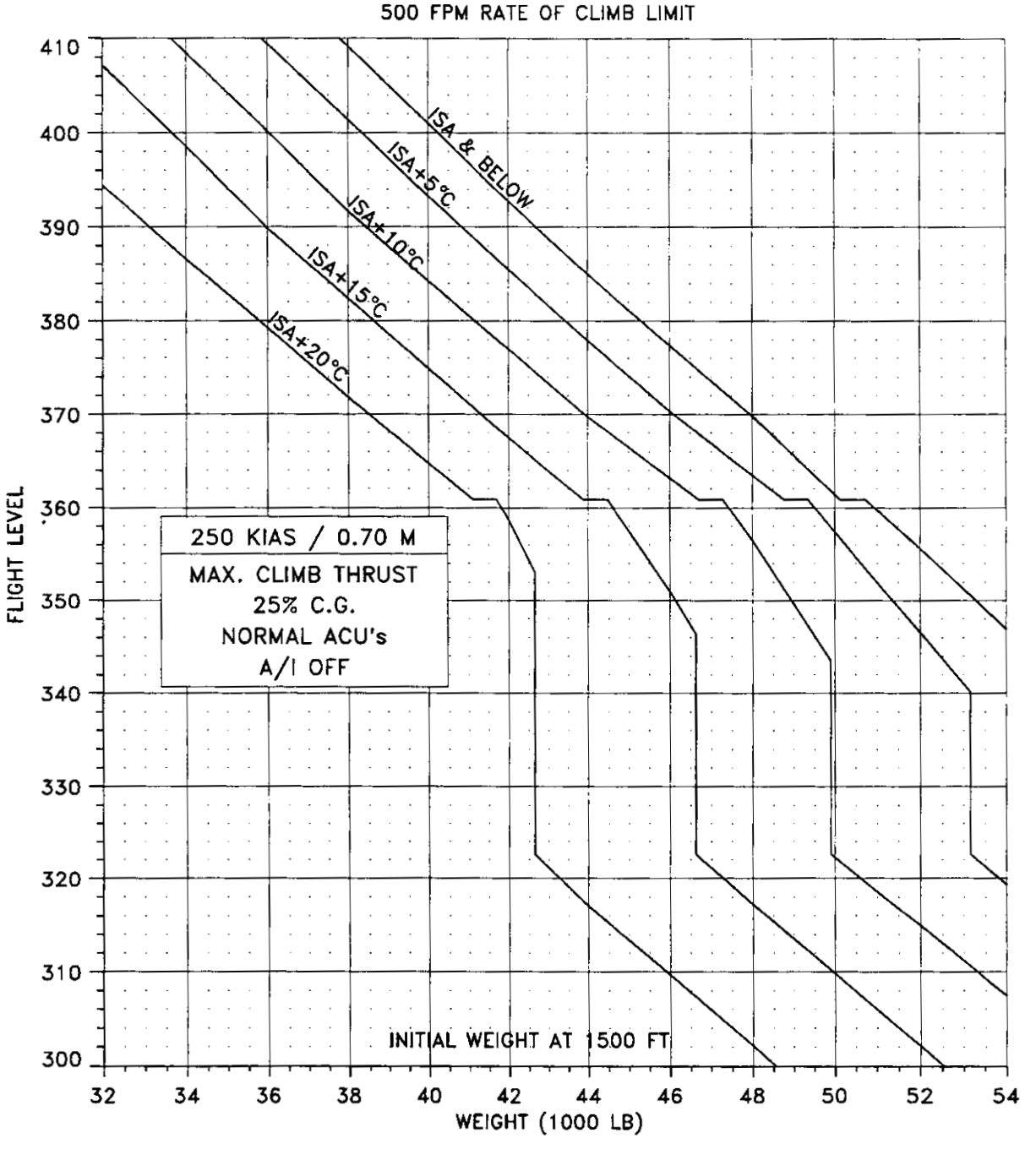


CLB250_300FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250 KIAS / 0.70 M (300 FPM Rate of Climb Limit)
Figure 03-03-20

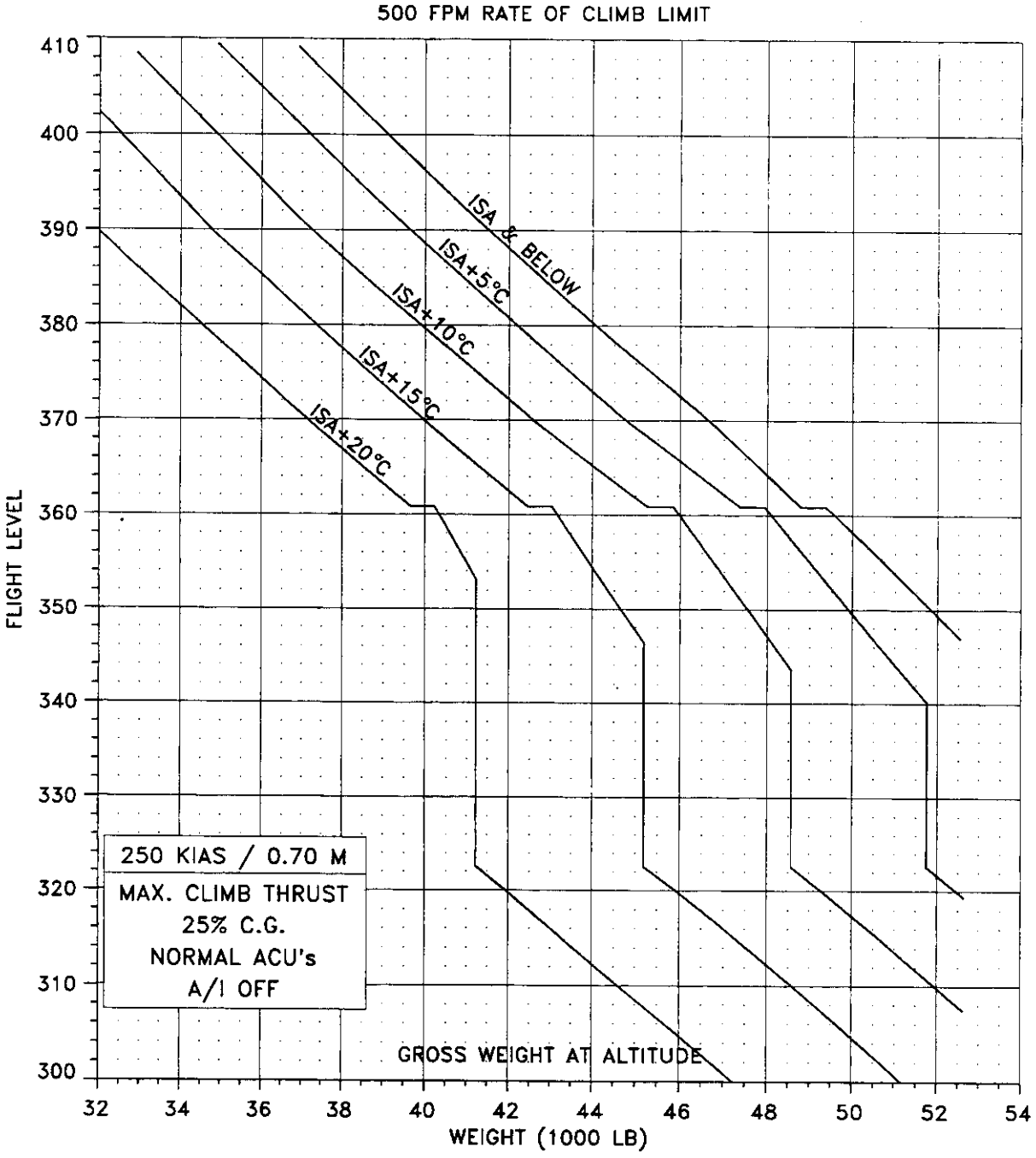


Climb Ceiling (Gross Weight at Altitude) – 250 KIAS / 0.70 M (300 FPM Rate of Climb Limit)
Figure 03–03–21



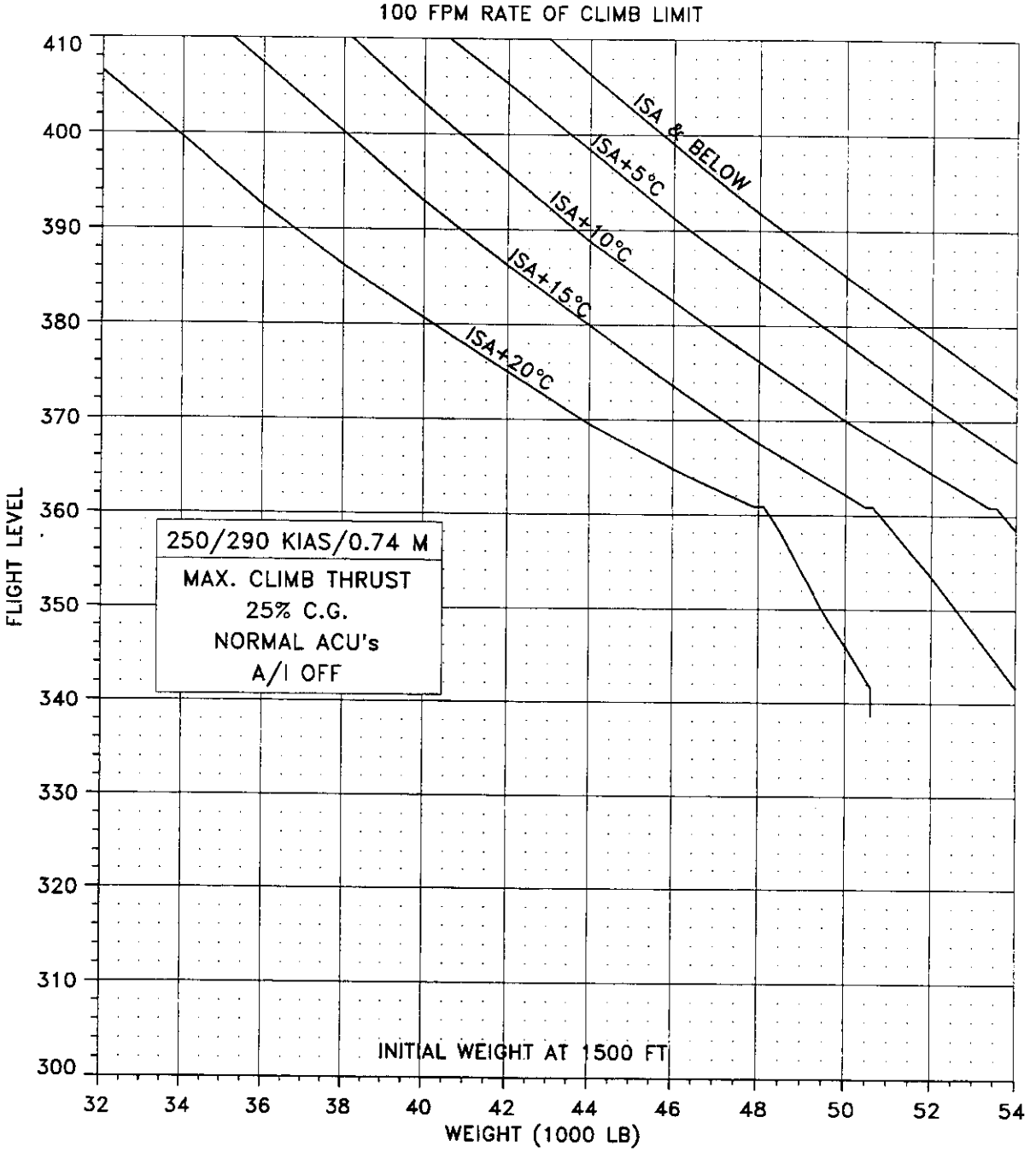
CLB250_500FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250 KIAS / 0.70 M (500 FPM Rate of Climb Limit)
Figure 03-03-22



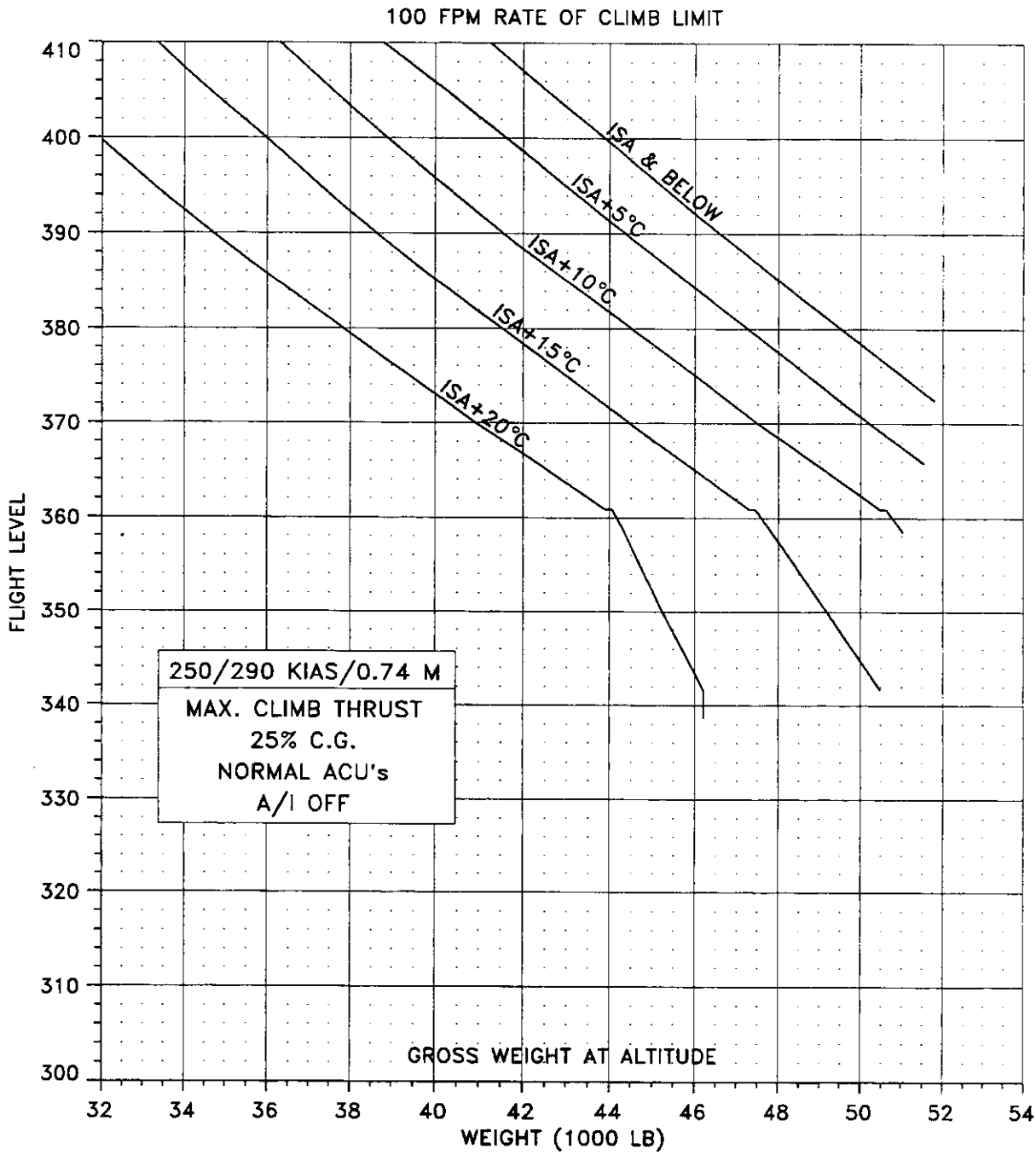
Climb Ceiling (Gross Weight at Altitude) – 250 KIAS / 0.70 M (500 FPM Rate of Climb Limit)
Figure 03-03-23

CLB250_500FPMALTWI - 02/05/96



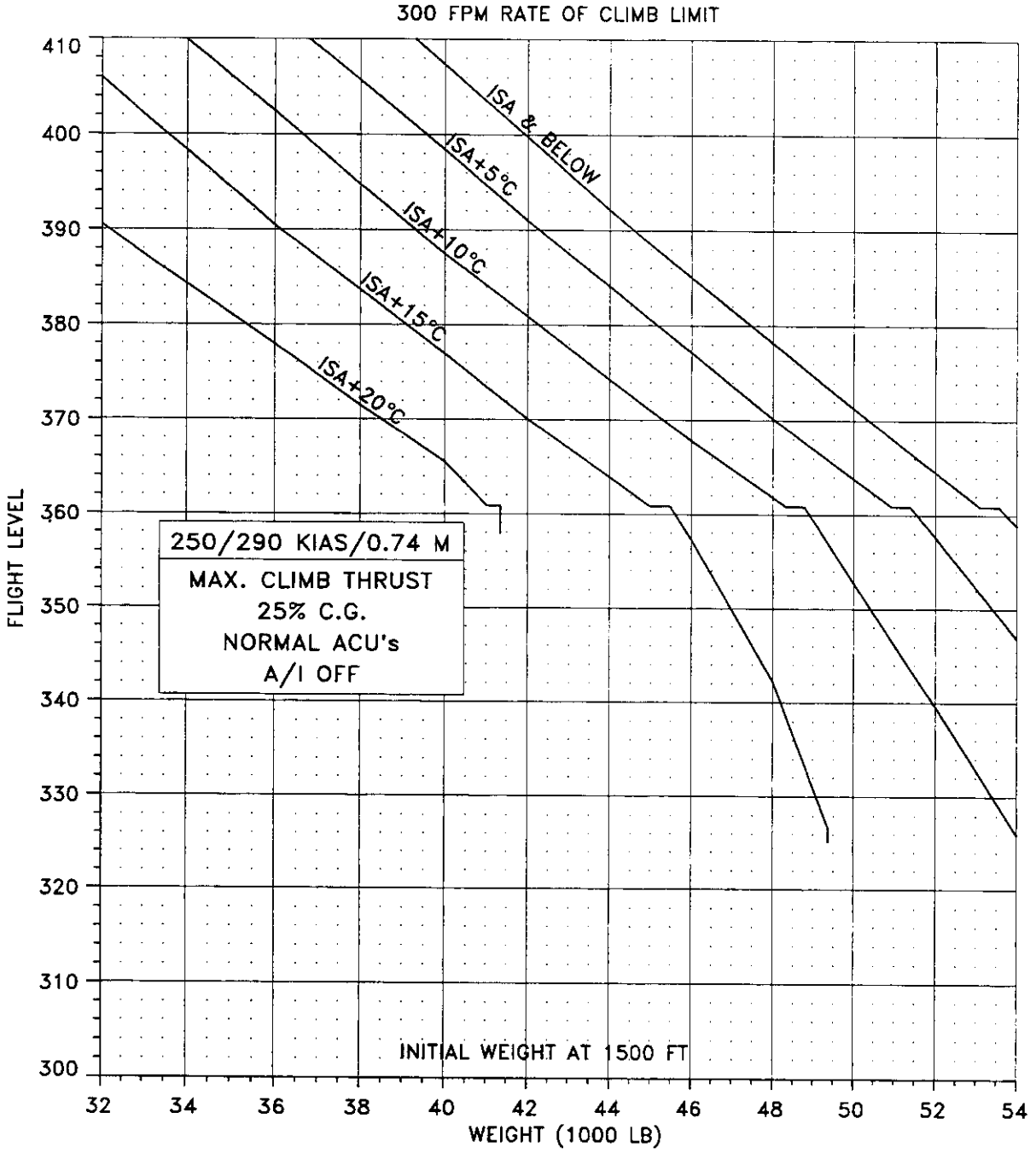
CLB290_100FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250/290 KIAS / 0.74 M (100 FPM Rate of Climb Limit)
Figure 03-03-24



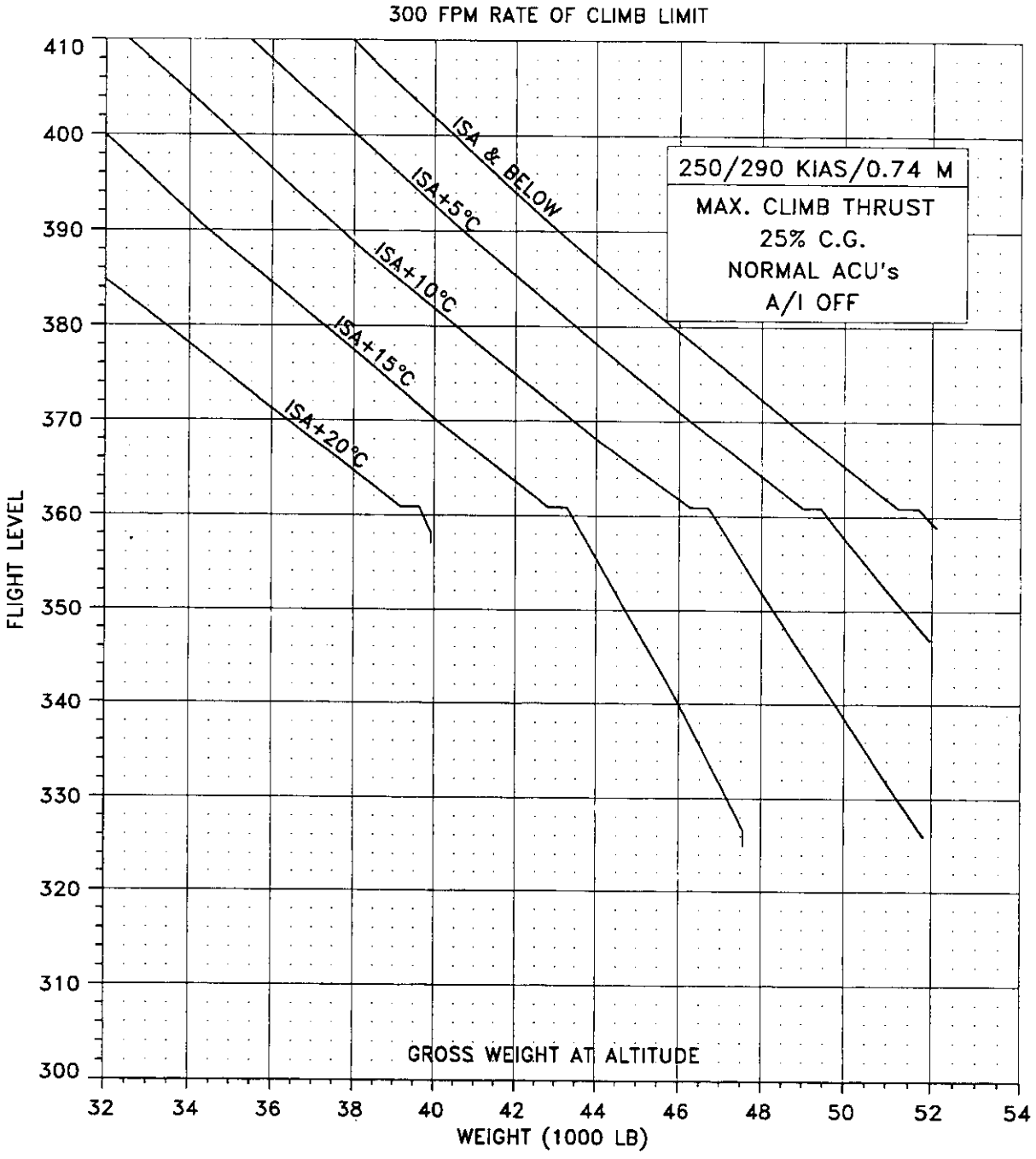
CLB290_100FPMALTWI - 02/05/96

Climb Ceiling (Gross Weight at Altitude) – 250/290 KIAS / 0.74 M (100 FPM Rate of Climb Limit)
Figure 03-03-25

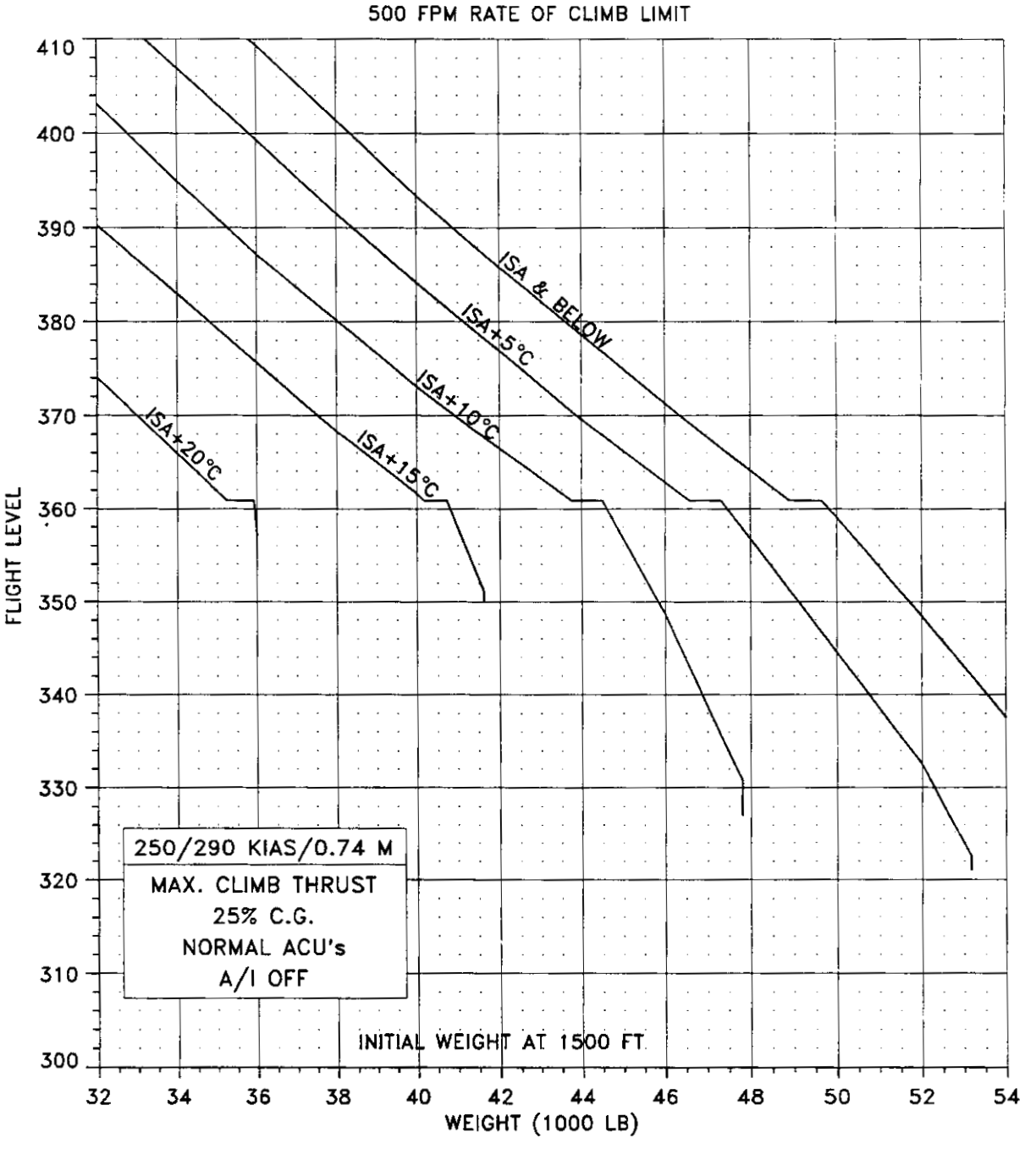


CLB290_300FPMINIWI – 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250/290 KIAS / 0.74 M (300 FPM Rate of Climb Limit)
Figure 03–03–26

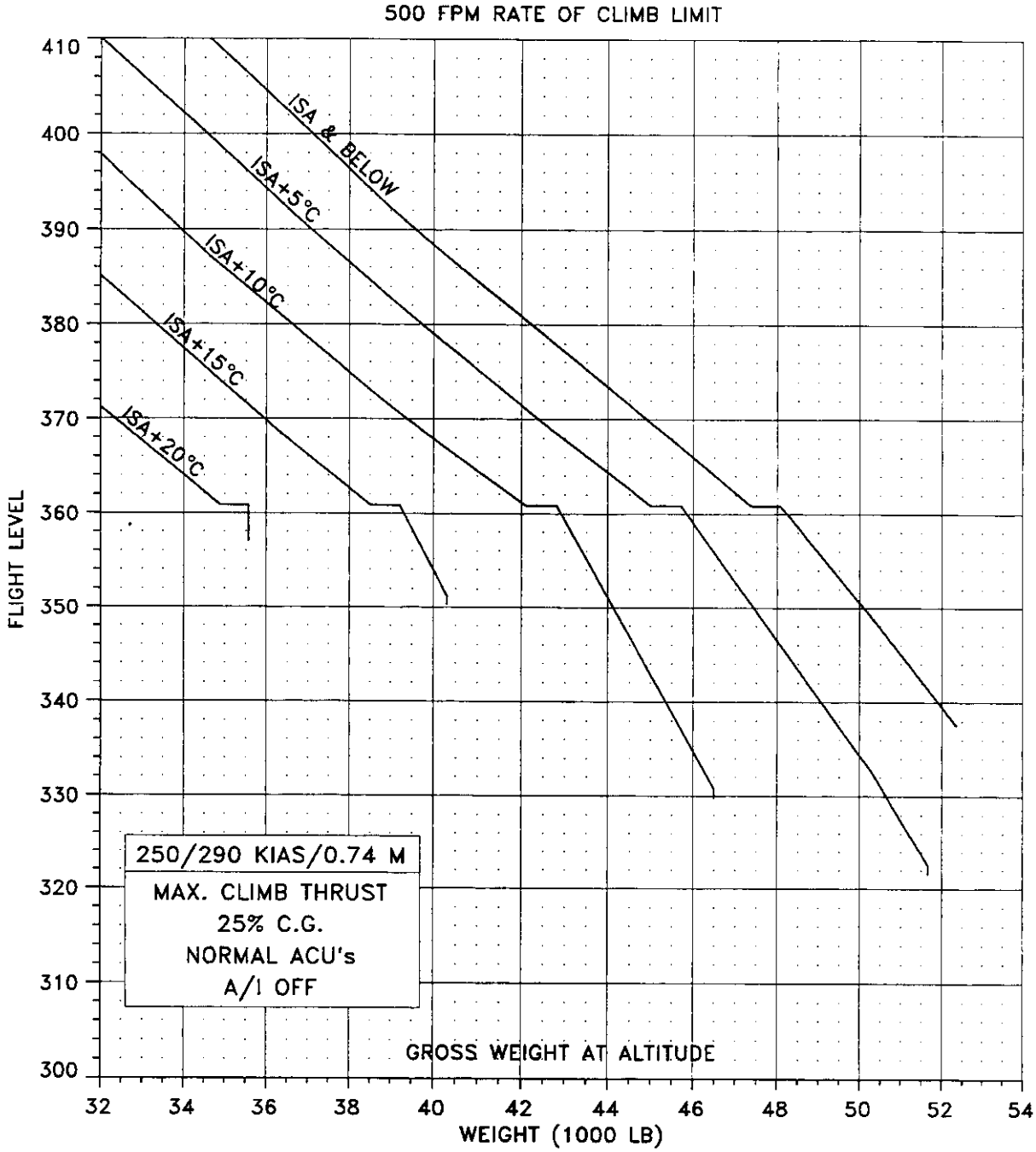


Climb Ceiling (Gross Weight at Altitude) – 250/290 KIAS / 0.74 M (300 FPM Rate of Climb Limit)
Figure 03–03–27

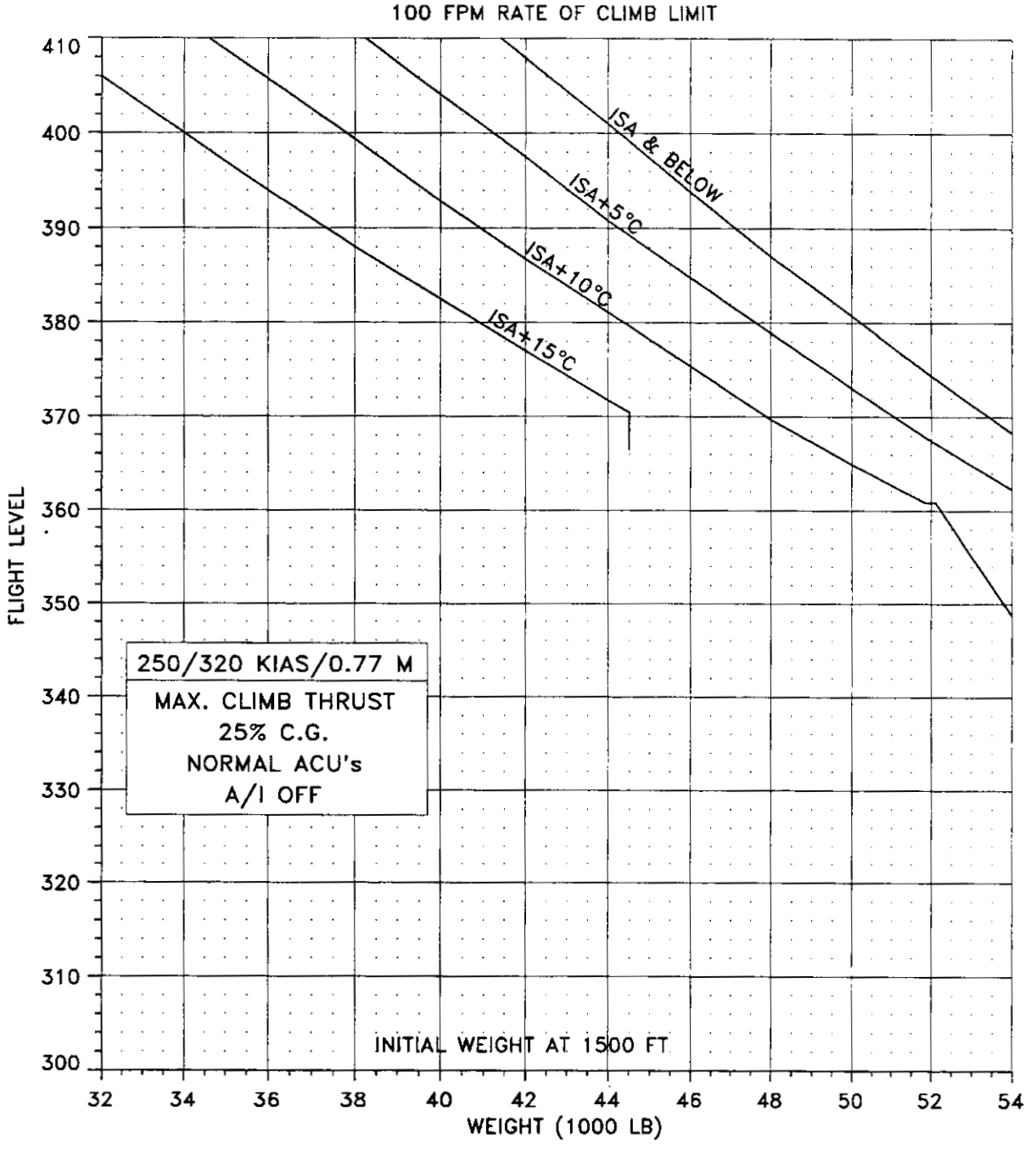


CLB290_500FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250/290 KIAS / 0.74 M (500 FPM Rate of Climb Limit)
Figure 03-03-28

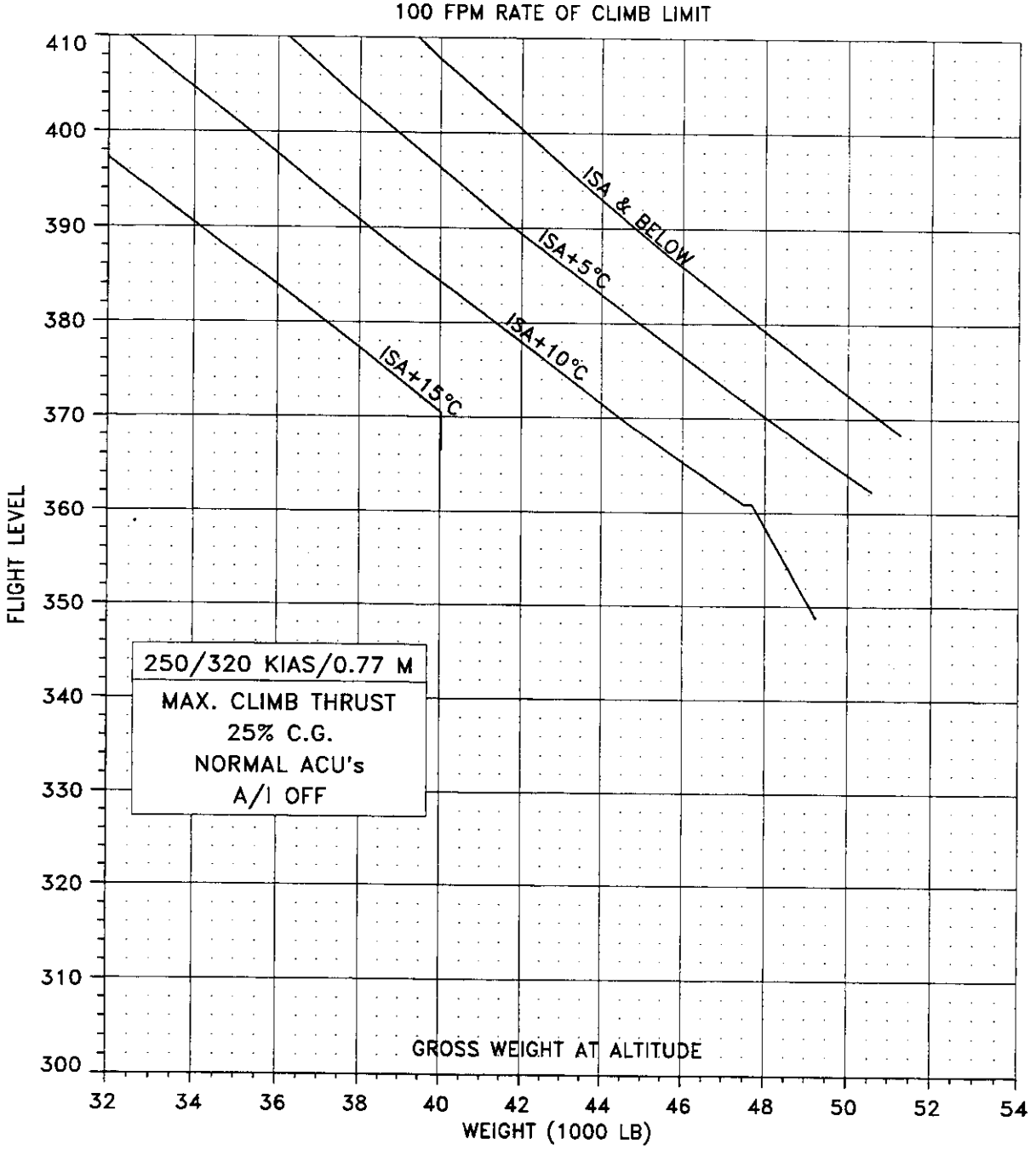


Climb Ceiling (Gross Weight at Altitude) – 250/290 KIAS / 0.74 M (500 FPM Rate of Climb Limit)
Figure 03-03-29



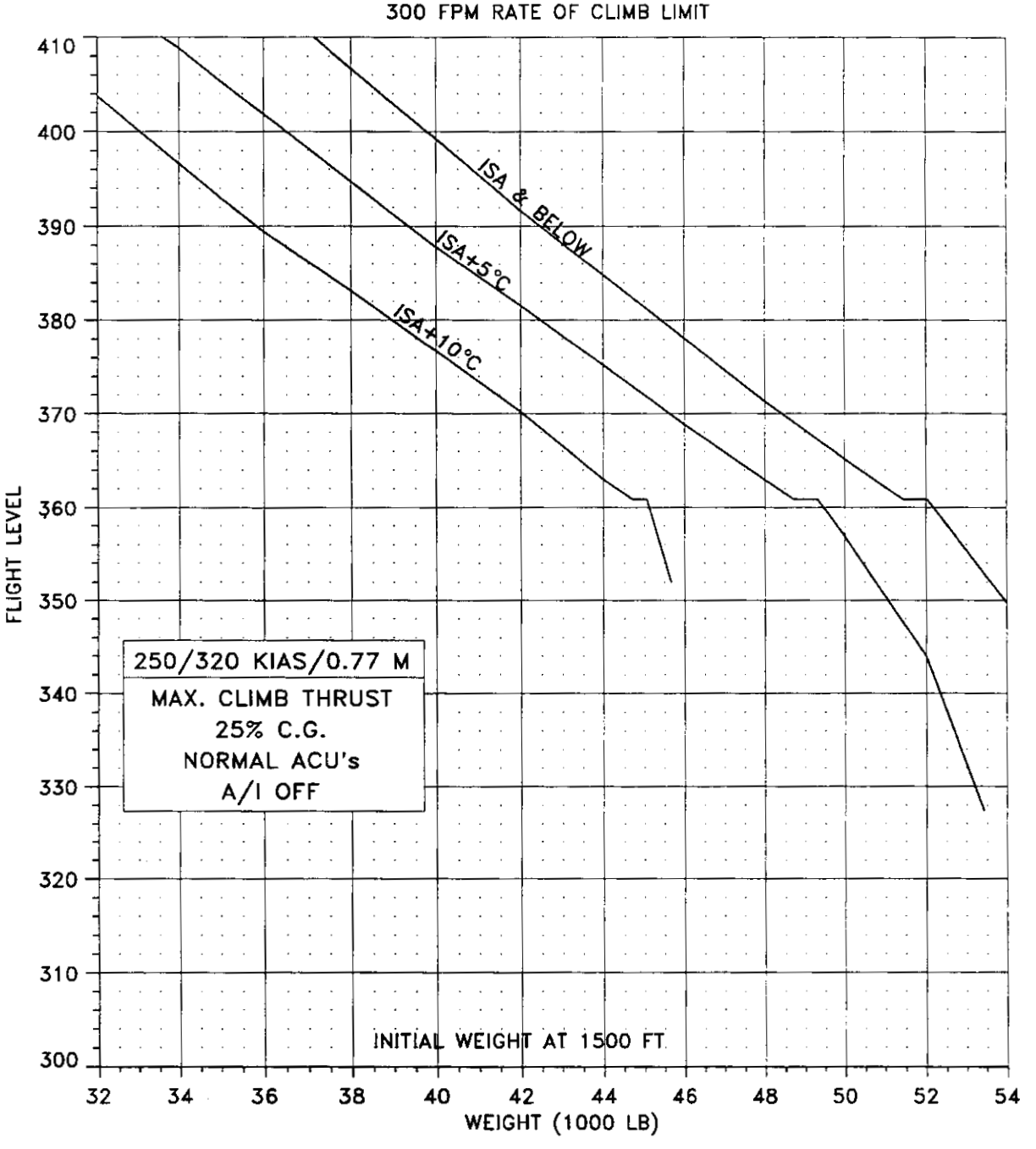
CLB320_100FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250/320 KIAS / 0.77 M (100 FPM Rate of Climb Limit)
Figure 03-03-30



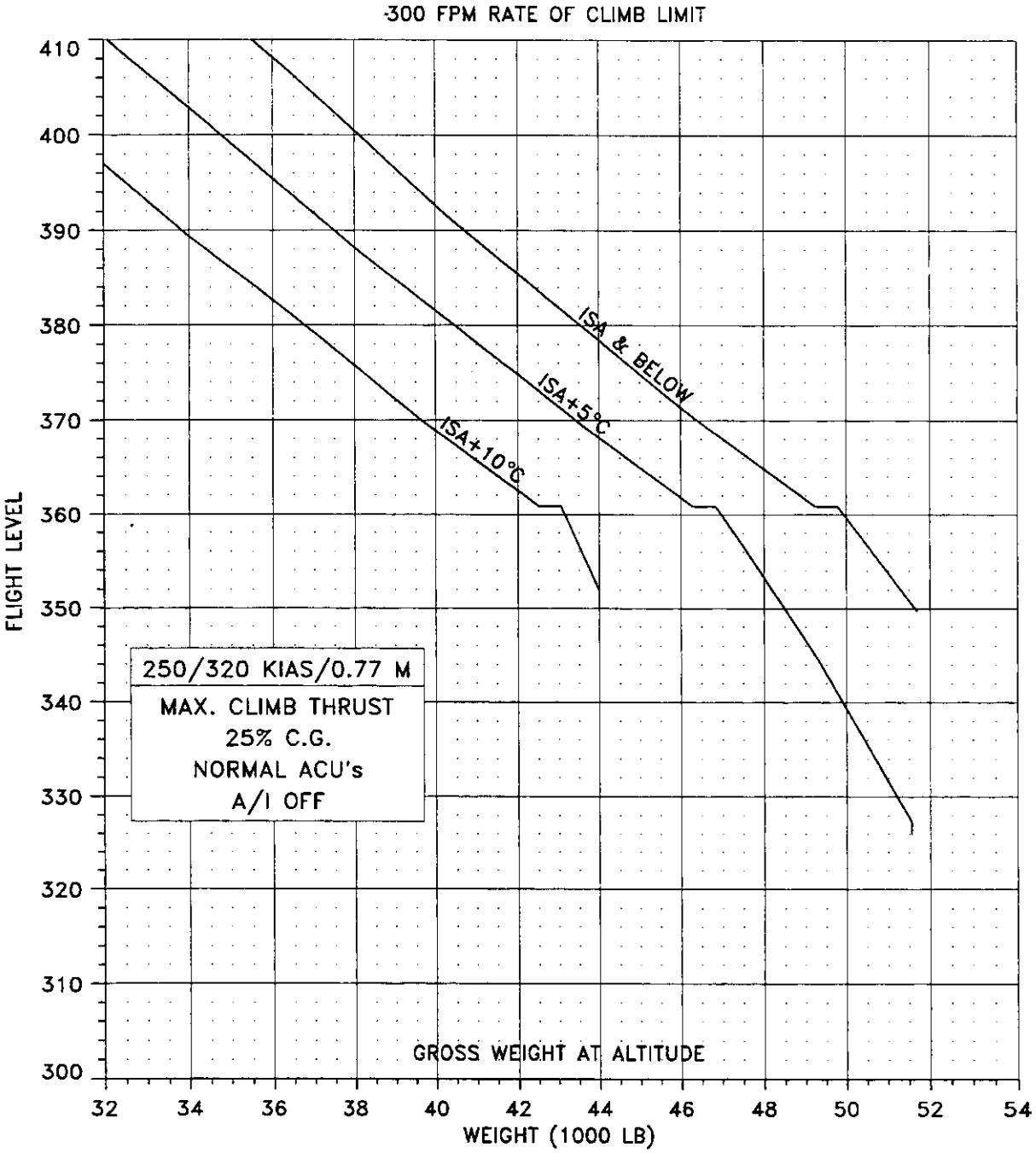
Climb Ceiling (Gross Weight at Altitude) – 250/320 KIAS / 0.77 M (100 FPM Rate of Climb Limit)
Figure 03-03-31

CLB320_100FPMALTWI - 02/05/96



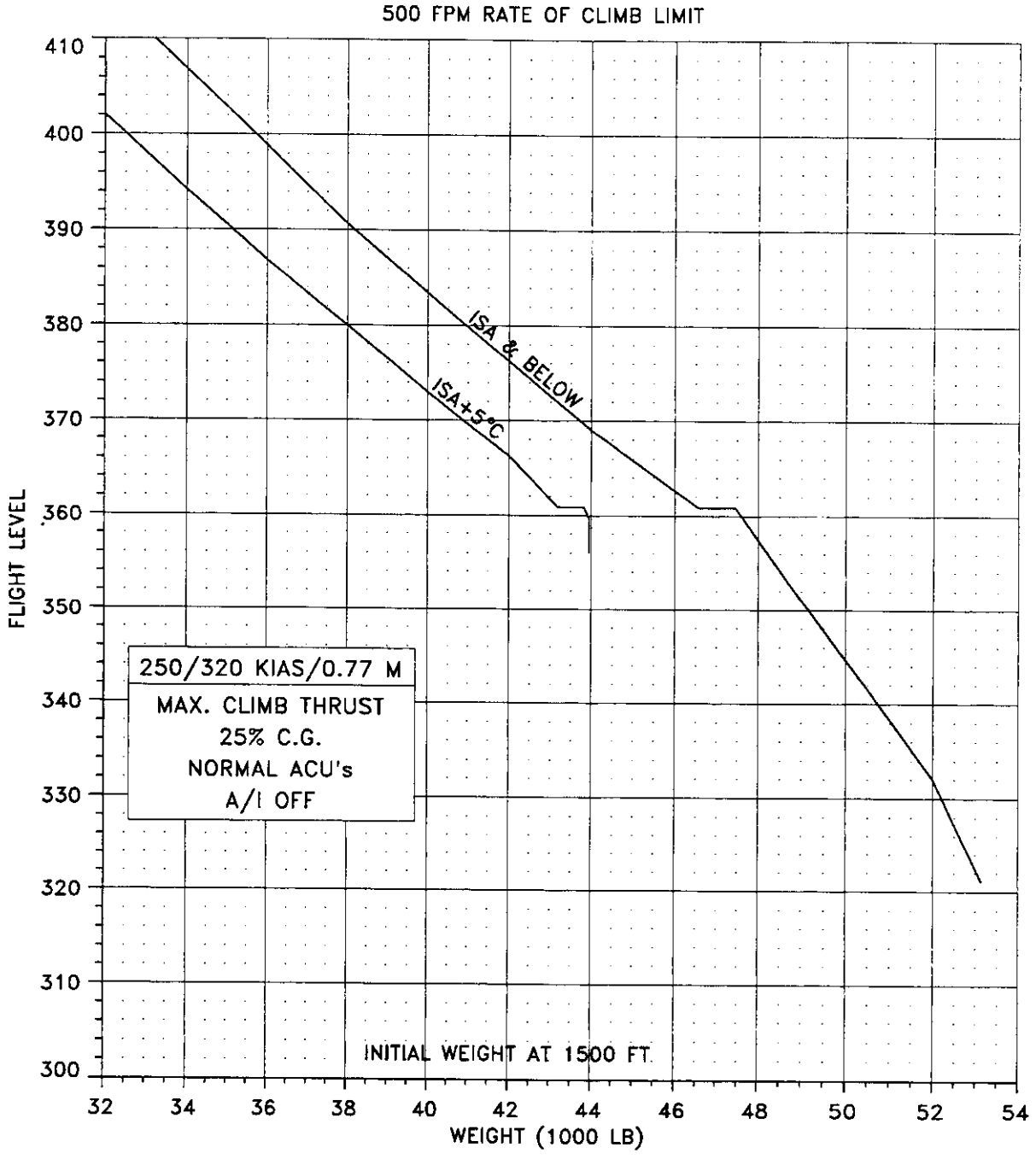
CLB320_300FPMINIWI – 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250/320 KIAS / 0.77 M (300 FPM Rate of Climb Limit)
Figure 03–03–32



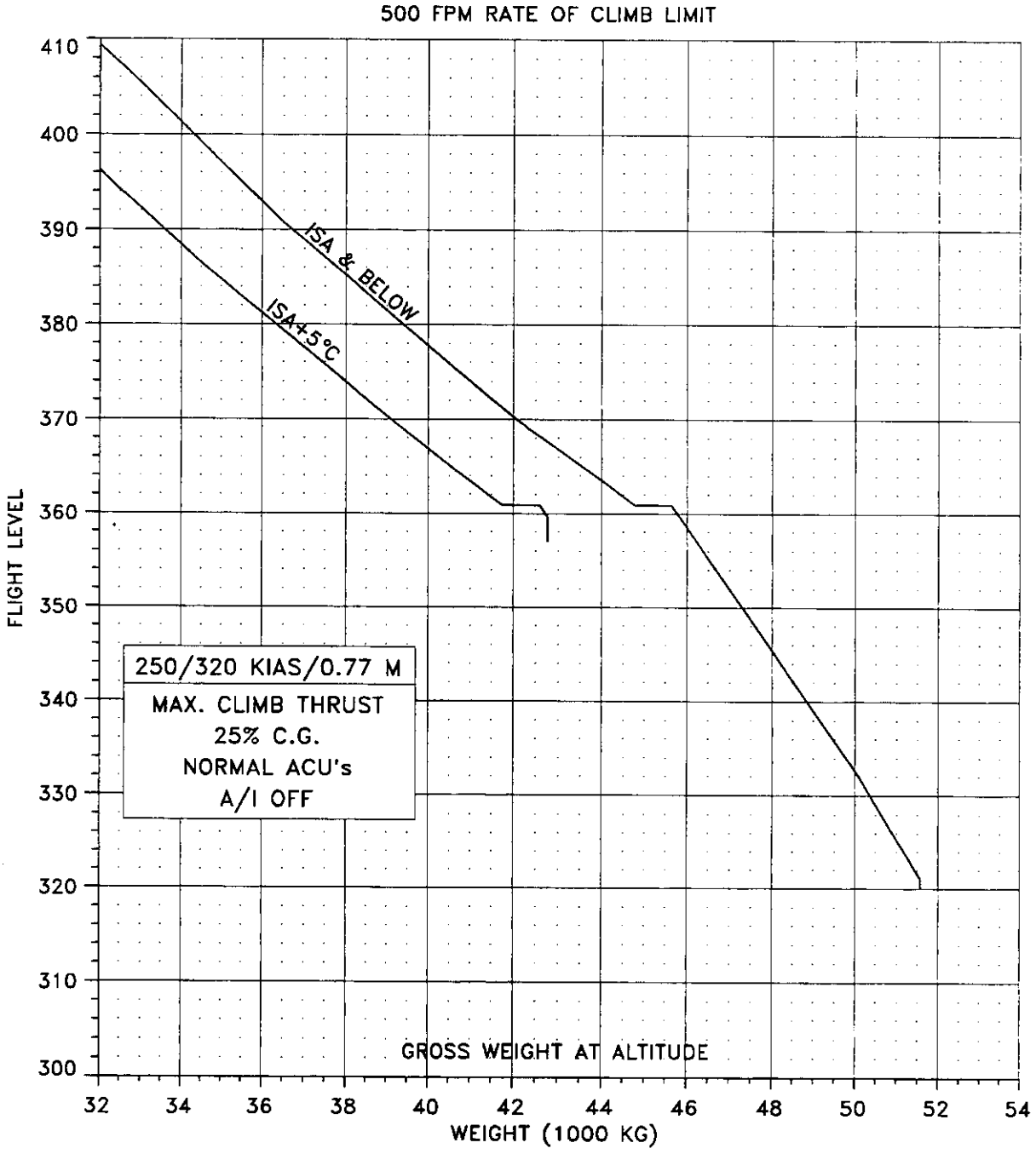
Climb Ceiling (Gross Weight at Altitude) – 250/320 KIAS / 0.77 M (300 FPM Rate of Climb Limit)
Figure 03-03-33

CLB320_300FPMALTWI - 02/05/96



CLB320_500FPMINIWI - 26/04/96

Climb Ceiling (Initial Weight at 1,500 ft) – 250/320 KIAS / 0.77 M (500 FPM Rate of Climb Limit)
Figure 03–03–34



CLB320_500FPMALTWI - 02/05/96

Climb Ceiling (Gross Weight at Altitude) – 250/320 KIAS / 0.77 M (500 FPM Rate of Climb Limit)
Figure 03-03-35

1. INTRODUCTION

Cruise altitudes are presented for short and long trip distances.

A. Short Distances

Cruise altitudes are tabulated based on fixed take-off weights for stage lengths between 50 to 275 nautical miles. For short range operation, the cruise altitude is generally limited by the total distance covered by the airplane in climb and descent. Minimum cruise distance is 10% of the stage length. Long range cruise (LRC) and ISA temperature have been assumed for reasons of simplicity and to allow alternate route planning with minimum fuel burn.

B. Long Distances

Cruise altitude selection is governed by either 300 fpm ceiling limit altitude (see Climb Capability, section 03–04) or maximum altitude (optimum) with maximum cruise thrust. The optimum altitude shown here is the maximum attainable altitude with maximum cruise thrust and does not include the climb ceiling limitation. Recommended cruise altitude ensures a maneuver load factor of 1.3 'g' before buffet onset. Optimum cruise altitudes are given for 0.74 M, 0.77 M, 0.80 M and LRC cruise speeds for –10, 0, 5, 10, 15 and 20 °C temperature deviations from ISA.

Best fuel mileage for a given cruise speed is achieved at optimum altitude. A correction table gives fuel mileage penalty for operation at off-optimum altitudes for fixed Mach and LRC cruise speeds.

Normal air-conditioning on and anti-ice off conditions are assumed.

LRC is the speed for which the specific range is 99% of the maximum specific range at a given airplane gross weight and altitude combination.

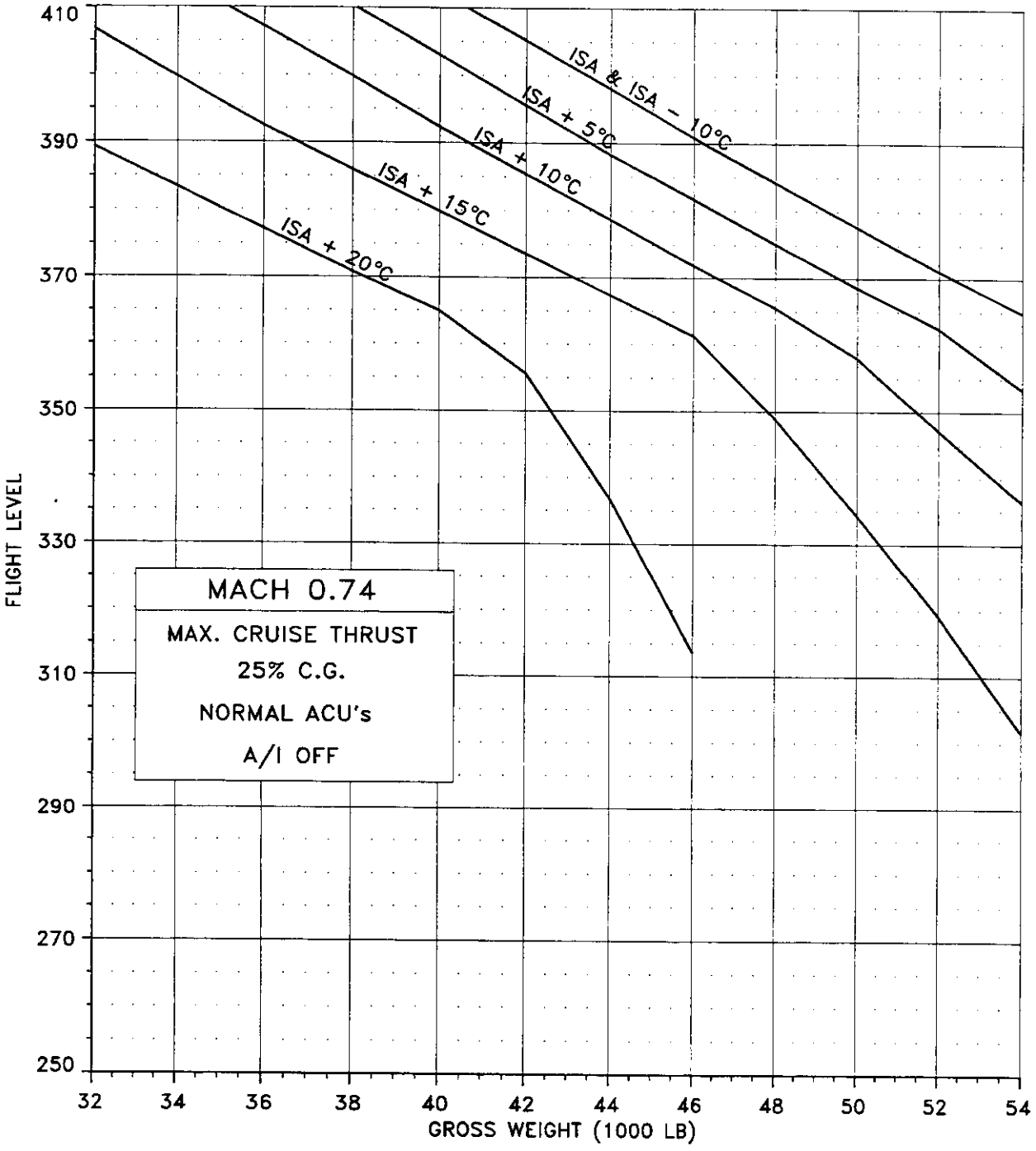
ALTITUDE SELECTION (SHORT DISTANCE)		
NORMAL ACU'S	ISA	LRC
A/I OFF	25% C.G.	RECOMMENDED FLIGHT LEVEL

TOW (1000 LB)	TRIP DISTANCE - NAM									
	50	75	100	125	150	175	200	225	250	275
34	140	200	250	290	310	350	370	390	410	410
36	140	190	240	280	310	330	370	390	410	410
38	130	180	230	270	290	330	350	370	390	410
40	130	180	220	260	290	310	350	370	390	390
42	120	170	210	250	270	310	330	350	370	390
44	120	170	210	250	270	300	330	350	370	370
46	120	160	200	240	270	300	310	330	350	370
48										370

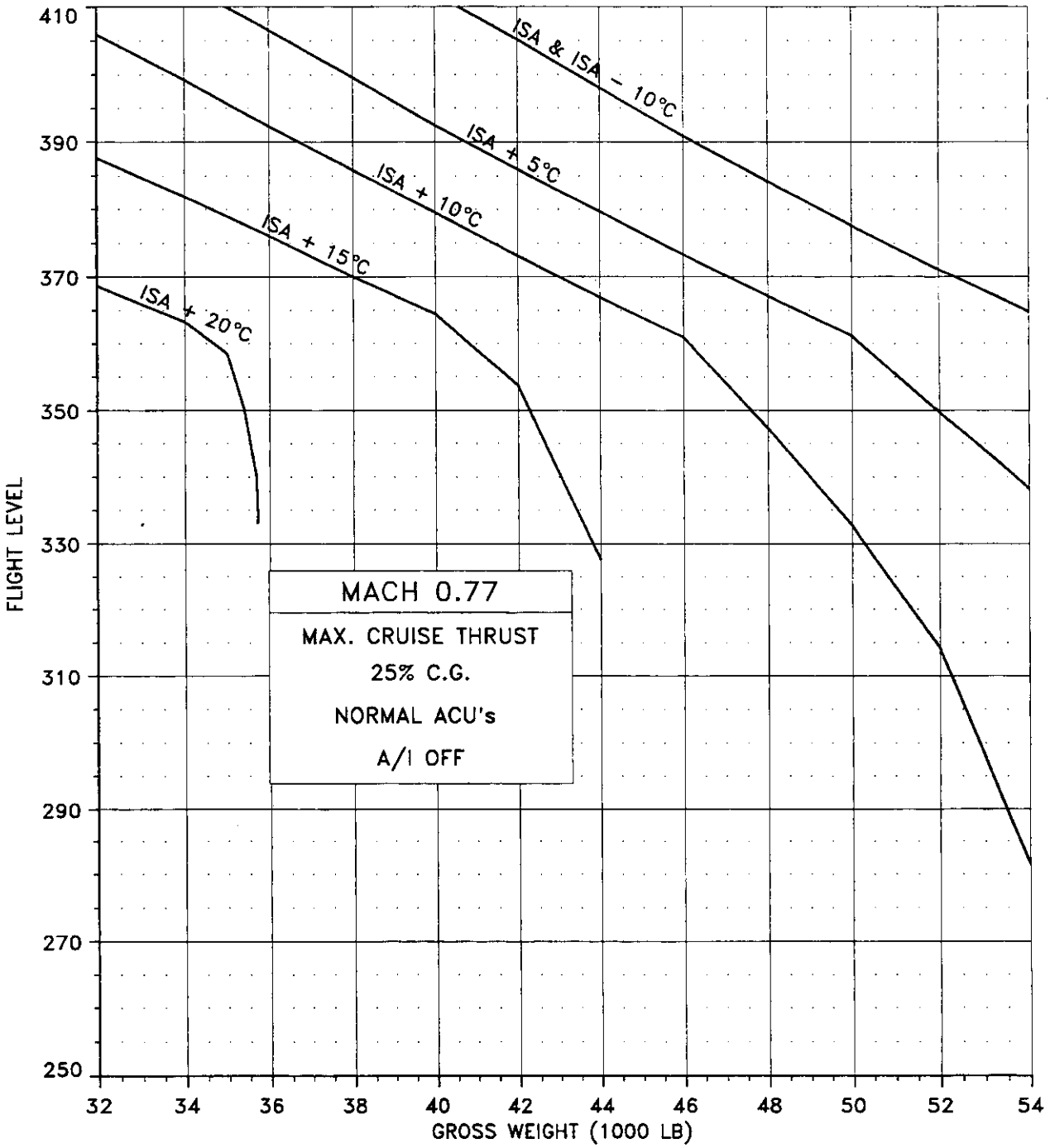
SHORTLRCI_3B - 03/04/96

NOTES: - MINIMUM CRUISE DISTANCE, 10% OF TRIP DISTANCE
- VARIABLE PAYLOAD
- MZFW =44000 LB LIMIT WEIGHT

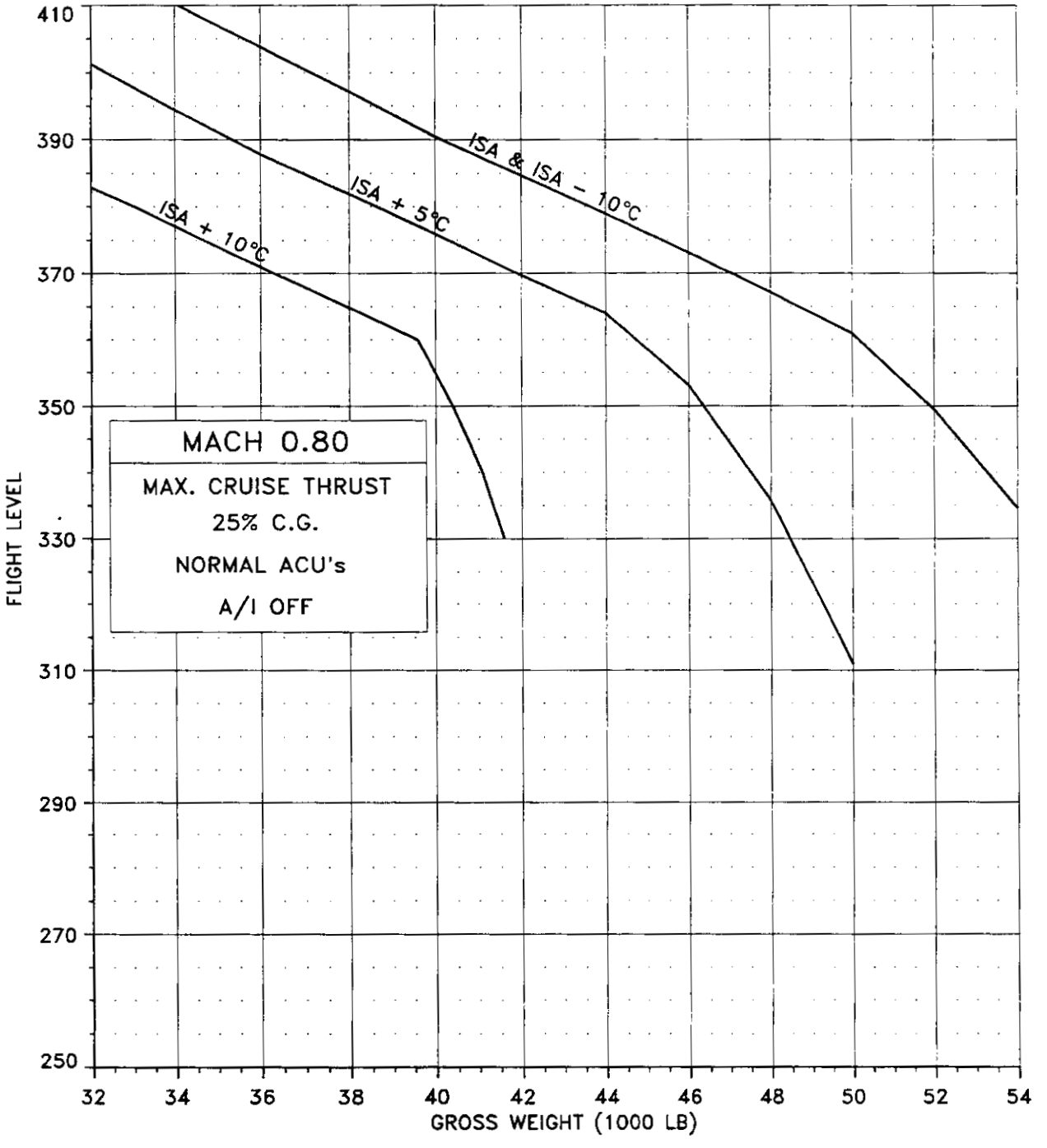
Altitude Selection (Short Distance)
Figure 03–04–1



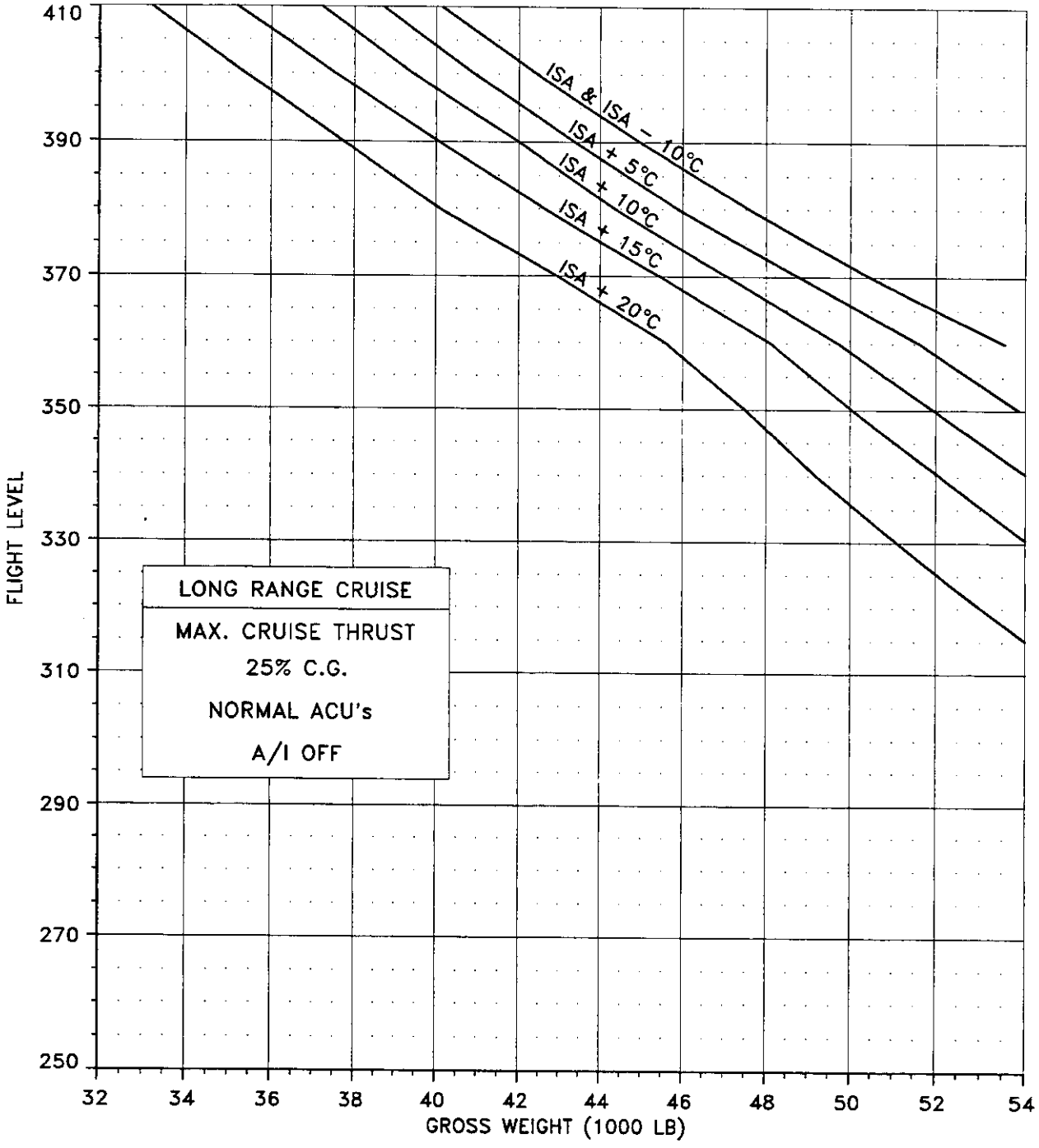
Altitude Selection (Long Distance) – 0.74 M
Figure 03–04–2



Altitude Selection (Long Distance) – 0.77 M
Figure 03–04–3



Altitude Selection (Long Distance) – 0.80 M
Figure 03–04–4



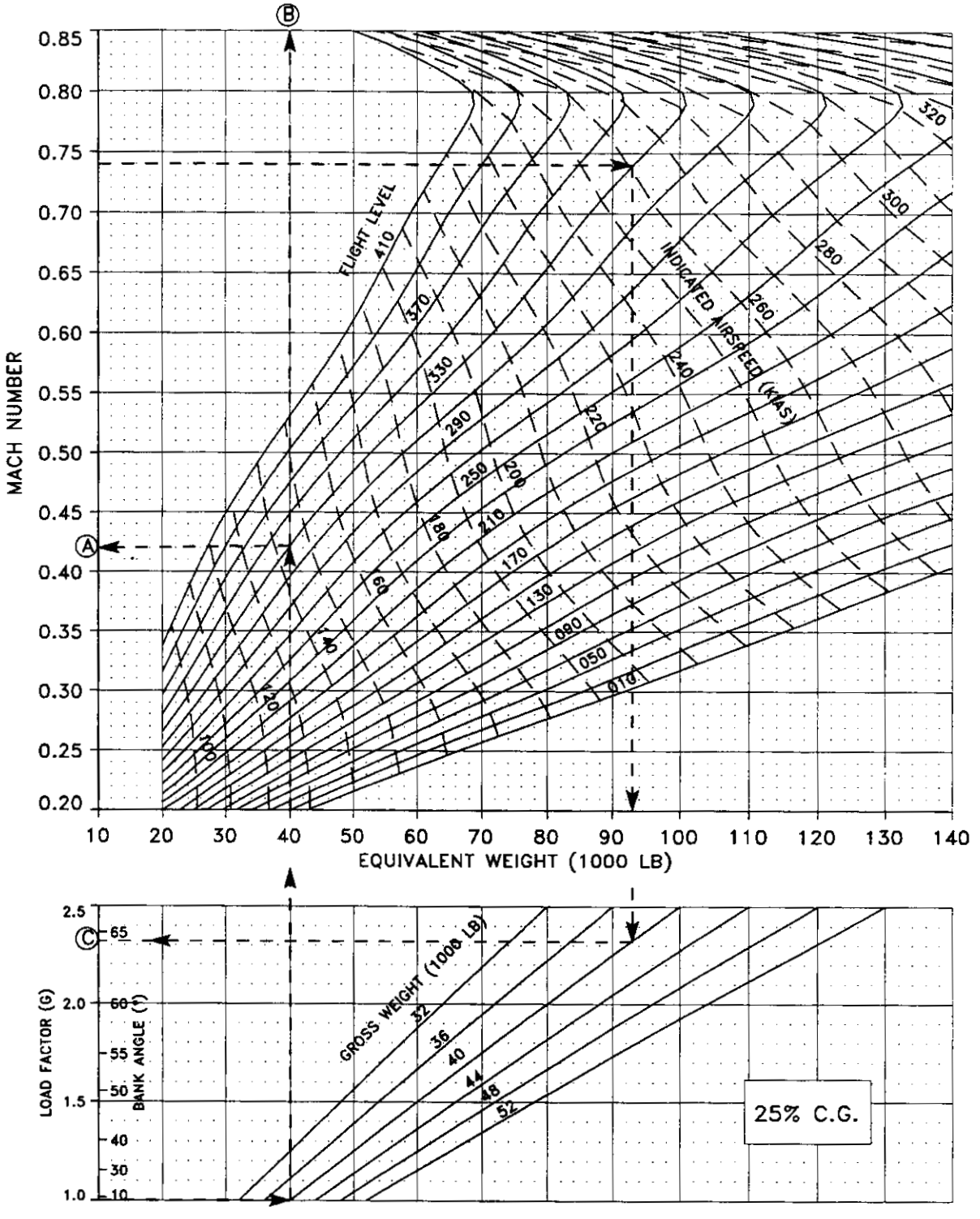
Altitude Selection (Long Distance) – Long Range Cruise
Figure 03–04–5

1. INTRODUCTION

The maneuver capability chart shows the maneuver 'g' load capability (bank angle) at a given cruise weight and altitude. The chart is based on 25% of the mean aerodynamic chord CG location.

Example: At a given aircraft weight of 40,000 lb and a pressure altitude of 33,000 ft:

- Minimum 1 'g' flight speed is 0.42 M, (A)
- Maximum 1 'g' flight speed is >0.85 M, (B)
- At 0.74 M the maneuvering 'g' load capability is 2.35 'g', and the bank angle is 64.5 degrees, prior to stick shaker/buffet onset. (C)



Maneuver Capabilities
Figure 04–03–1

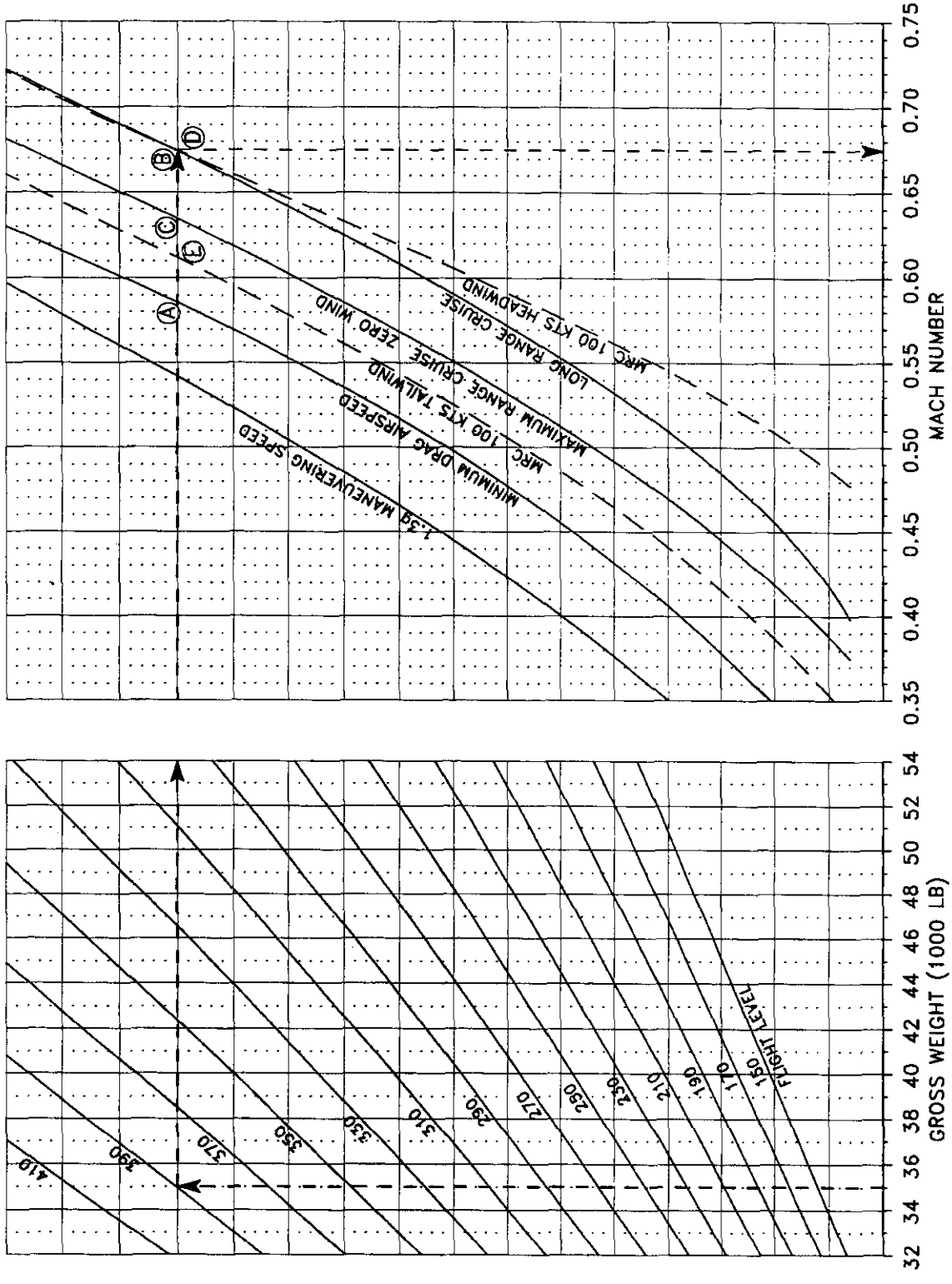
1. INTRODUCTION

The General Cruise Speeds chart presents 1.3 'g' maneuver speed boundary, minimum drag speed (V_{MD}), maximum range cruise speed (MRC) for –100, 0 and 100 kt wind speeds and long range cruise speed (LRC) as a function of aircraft gross weight and altitude.

At V_{MD}, the thrust required is minimum for a given gross weight and altitude combination. This speed is generally selected for holding. At each combination of weight, altitude and wind component, there is one speed, the MRC speed, where the maximum range is obtained. In practice, the airplane can fly a considerably higher speed, the LRC speed, with a specific range loss of 1% (99% maximum SAR).

Example: At a given aircraft weight of 35,000 lb and a pressure altitude of 39,000 ft:

- Minimum drag speed is at 0.585 M (A),
- Long range cruise speed is at 0.675 M (B),
- Maximum range cruise speed, with zero wind, is at 0.635 M (C),
- Maximum range cruise speed, with 100 kt headwind, is at 0.675 M (D),
- Maximum range cruise speed, with 100 kt tailwind, is at 0.612 M (E).



General Cruise Speeds
Figure 04-04-1

1. INTRODUCTION

The altitude capability tables provide maximum cruise thrust limit altitude at a given aircraft gross weight for 0.74 M, 0.77 M, 0.80 M and LRC cruise speeds. The maximum cruise thrust limit altitude is that altitude where at a given weight, with maximum cruise thrust, depending on temperature, the selected speed can be maintained in level flight.

The maximum altitude capability is presented in tabulated form as a function of temperature, altitude and airplane weight. The maximum altitude will usually be limited by one of the following conditions:

- The use of maximum cruise thrust,
- The maximum operating limit speed (V_{MO}) or Mach (M_{MO}),
- The maneuver capability.

The information is presented for airplane weights in kilograms and for –10, 0, 5, 10, 15 and 20° C temperature deviations from ISA.

ALTITUDE CAPABILITY - MACH 0.74		
MAX. CRUISE THRUST NORMAL ACU'S A/I OFF	25% C.G.	CRUISE THRUST LIMIT ALTITUDE (FT)

GROSS WEIGHT (1000LB)	DEVIATION FROM ISA (C)					
	- 10	0	5	10	15	20
30					> 41000	39640
32					40660	38930
34				> 41000	39960	38330
36				40710	39250	37720
38			> 41000	39980	38600	37070
40	> 41000	> 41000	40300	39230	37980	36490
42	40610	40570	39550	38540	37350	35560
44	39900	39800	38830	37860	36730	33670
46	39180	39080	38170	37180	36130	31360
48	38510	38420	37500	36550	34880	
50	37850	37760	36850	35800	33430	
52	37200	37100	36240	34710	31920	
54	36540	36480	35340	33640	30160	

ALTCAP74I_3B - 07/03/96

Altitude Capability – 0.74 M
Figure 04–05–1

ALTITUDE CAPABILITY - MACH 0.77		
MAX. CRUISE THRUST NORMAL ACU'S A/I OFF	25% C.G.	CRUISE THRUST LIMIT ALTITUDE (FT)

GROSS WEIGHT (1000LB)	DEVIATION FROM ISA (C)					
	- 10	0	5	10	15	20
30				> 41000	39400	37420
32				40590	38760	36860
34			> 41000	39920	38190	36320
36			40650	39220	37600	
38	> 41000	> 41000	39950	38580	37000	
40	40610	40490	39240	37950	36440	
42	39920	39800	38590	37310	35370	
44	39220	39100	37970	36690		
46	38580	38470	37330	36100		
48	37950	37840	36710	34730		
50	37320	37200	36120	33270		
52	36690	36580	34970	31420		
54	36030	35890	33820	28140		

ALTCAP77I_3B - 08/03/96

Altitude Capability – 0.77 M
Figure 04-05-2

ALTITUDE CAPABILITY - MACH 0.80		
MAX. CRUISE THRUST NORMAL ACU'S A/I OFF	25% C.G.	CRUISE THRUST LIMIT ALTITUDE (FT)

GROSS WEIGHT (1000LB)	DEVIATION FROM ISA (C)					
	- 10	0	5	10	15	20
30			40770	38840	36560	
32			40120	38290	36130	
34	> 41000	> 41000	39440	37710		
36	40550	40380	38780	37090		
38	39890	39710	38190	36520		
40	39210	39030	37590	35520		
42	38610	38470	36960			
44	38050	37890	36400			
46	37470	37310	35310			
48	36870	36710	33580			
50	36260	36090	31090			
52	35260	34940				
54	33910	33460				

ALTCAP80I_3B - 08/03/96

Altitude Capability – 0.80 M
Figure 04–05–3

ALTITUDE CAPABILITY - LONG RANGE CRUISE		
MAX. CRUISE THRUST NORMAL ACU'S A/I OFF	25% C.G.	CRUISE THRUST LIMIT ALTITUDE (FT)

GROSS WEIGHT (1000LB)	DEVIATION FROM ISA (C)					
	- 10	0	5	10	15	20
30						
32						> 41000
34					> 41000	40620
36				> 41000	40670	39690
38	> 41000	> 41000	> 41000	40630	39780	38880
40	40990	41000	40350	39750	39000	38030
42	40180	40150	39570	38970	38220	37320
44	39370	39370	38730	38110	37450	36610
46	38570	38610	37930	37370	36760	35790
48	35860	37860	37220	36640	36000	34600
50	37150	37190	36550	35870	35020	33520
52	36480	36490	35780	34790	33790	32290
54	35760	35800	34950	34020	33020	31520

ALTCAPLRCI_3B - 08/04/96

Altitude Capability – Long Range Cruise
Figure 04-05-4

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1. INTRODUCTION

A. Climb Ceiling

Climb ceiling with all engines operating, based on a 300 fpm rate of climb limit, is given as a function of aircraft weight at brake release and weight at altitude for each climb speed schedule and temperature conditions. The data are based on the use of maximum climb thrust with normal air-conditioning on and anti-ice off.

B. Climb Data

The climb data information are presented in tabular form and are based on the use of all engines maximum climb thrust with normal air-conditioning and anti-ice off. The data are presented for the following climb speed schedules:

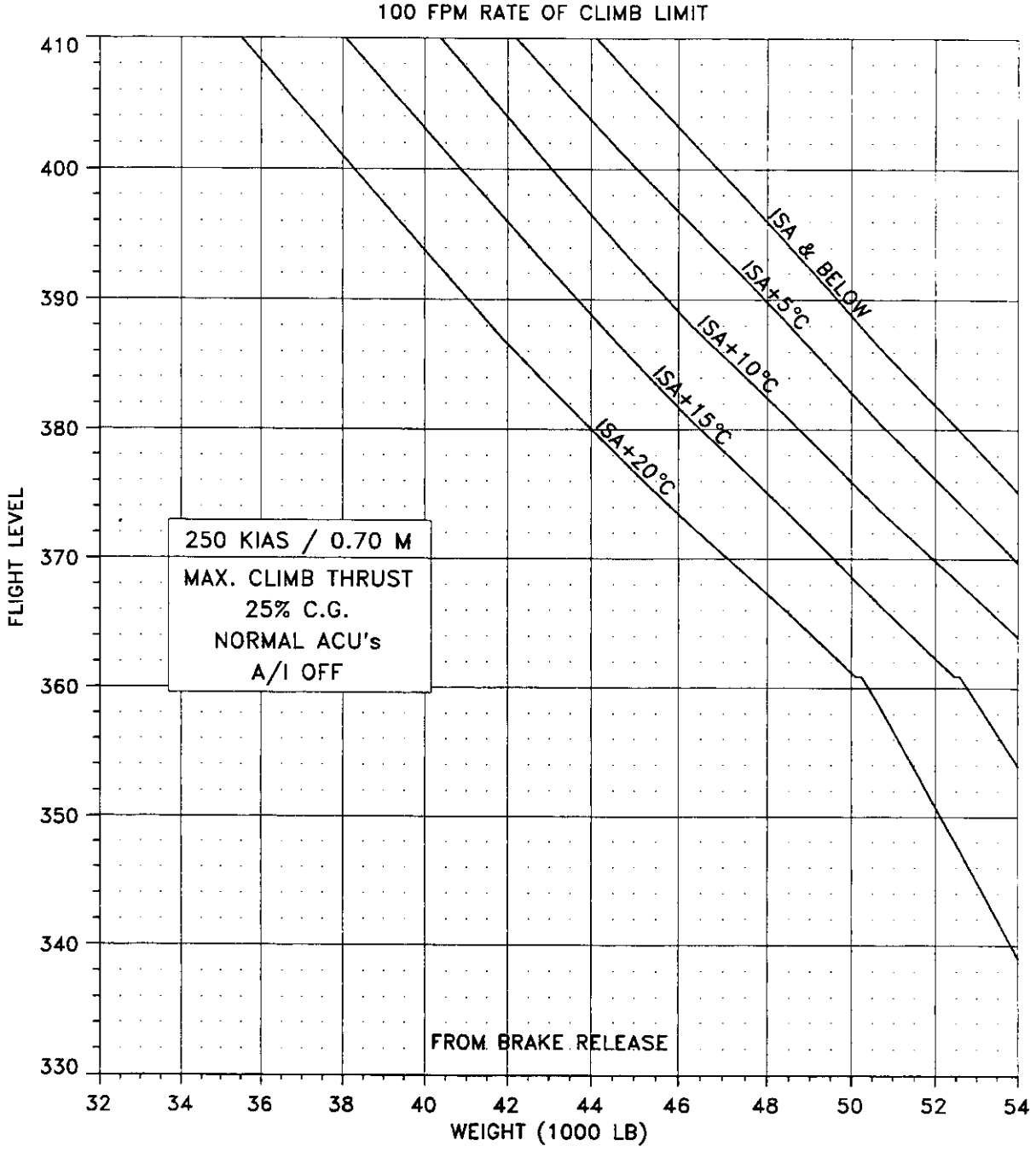
- 250 KIAS / 0.70 M "Long Range Climb Speed"
- 250/290 KIAS / 0.74 M "Normal Climb Speed"
- 250/320 KIAS / 0.77 M "High Speed Climb"

The following data are presented as a function of airplane weight at brake release and pressure altitude for each climb speed schedule and –10, 0, 5, 10, 15, 20° C temperature deviations from ISA:

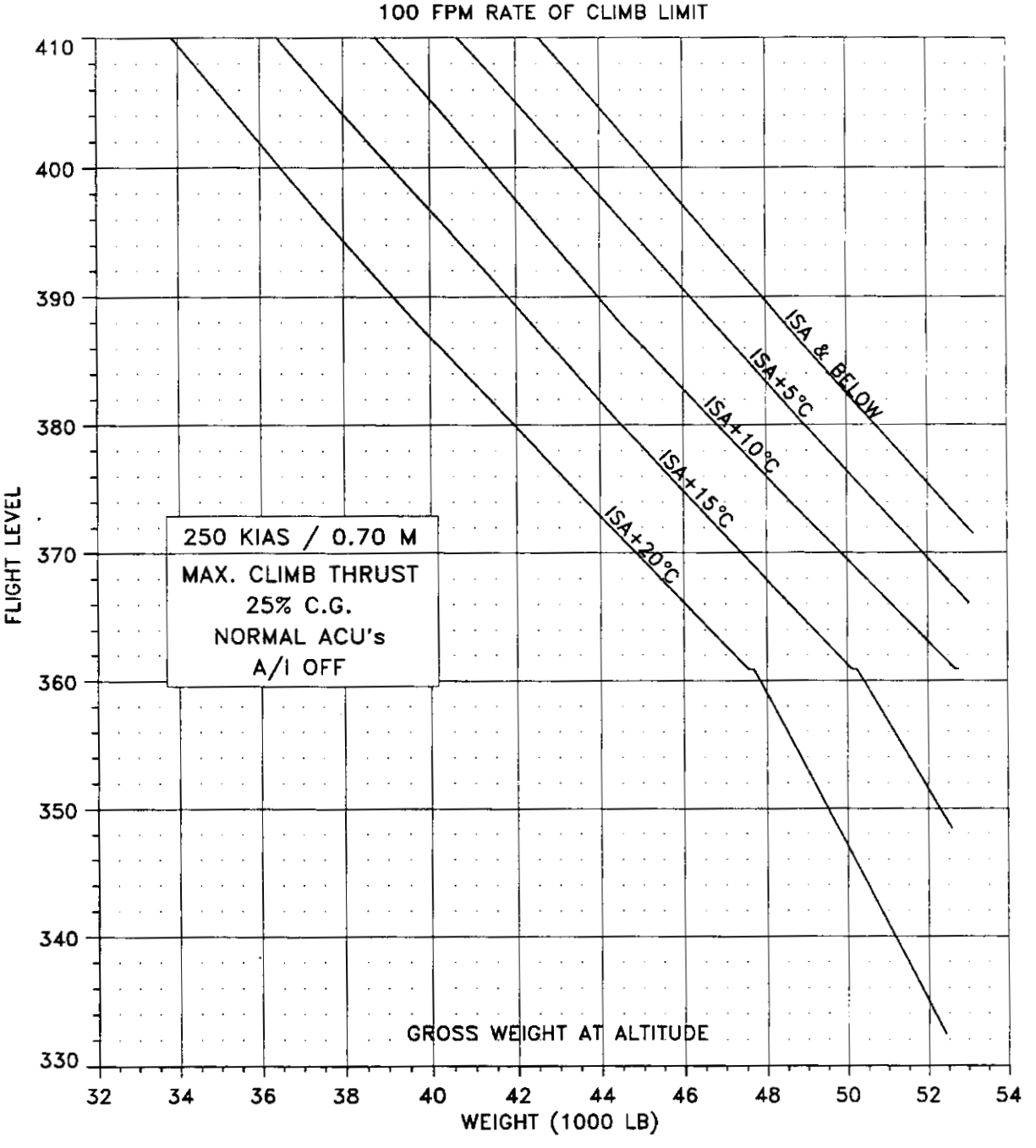
- Time : In minutes
- Distance : In nautical miles
- Fuel : In pounds
- Airspeed : Mach
- ATAS : Average true airspeed in knots
- ROC : Rate of climb at final altitude in fpm

As elapsed time and fuel consumed are presented from brake release to the top of climb altitude, no correction for time and fuel during take-off and acceleration to climb speed is necessary. The distance represents the air distance covered and ATAS represents the average true airspeed from the brake release point to the point at which the top of climb altitude is reached. Speed is given as a true airspeed to enable air to ground distance correction for wind.

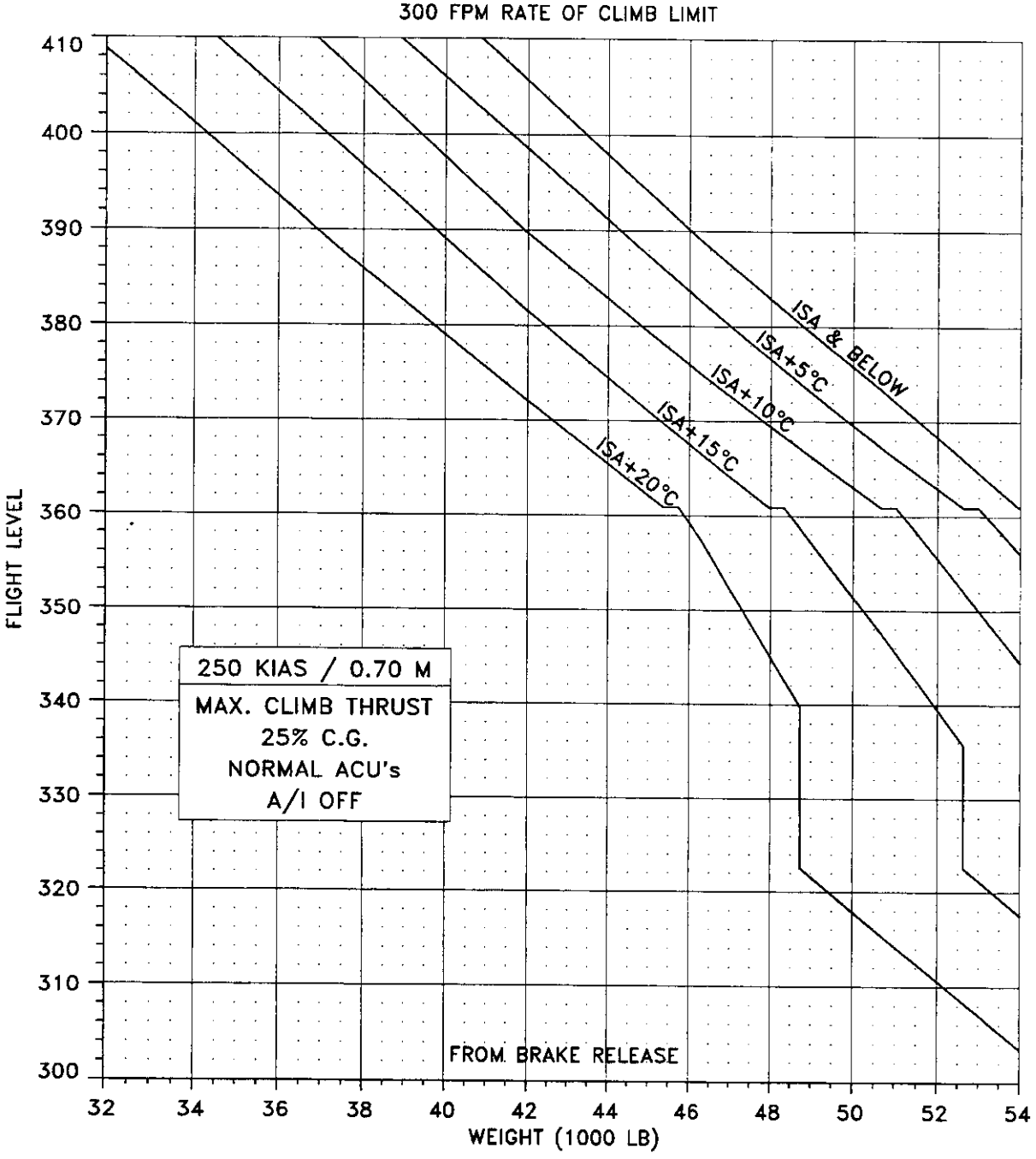
Climb data with cowl anti-ice on and with total anti-ice on (cowl and wing) are presented for long range and normal climb speed schedules (250 KIAS / 0.70 M and 250/290 / 0.74 M, respectively) and –10, 0, 10 and 20 °C temperature deviations from ISA.



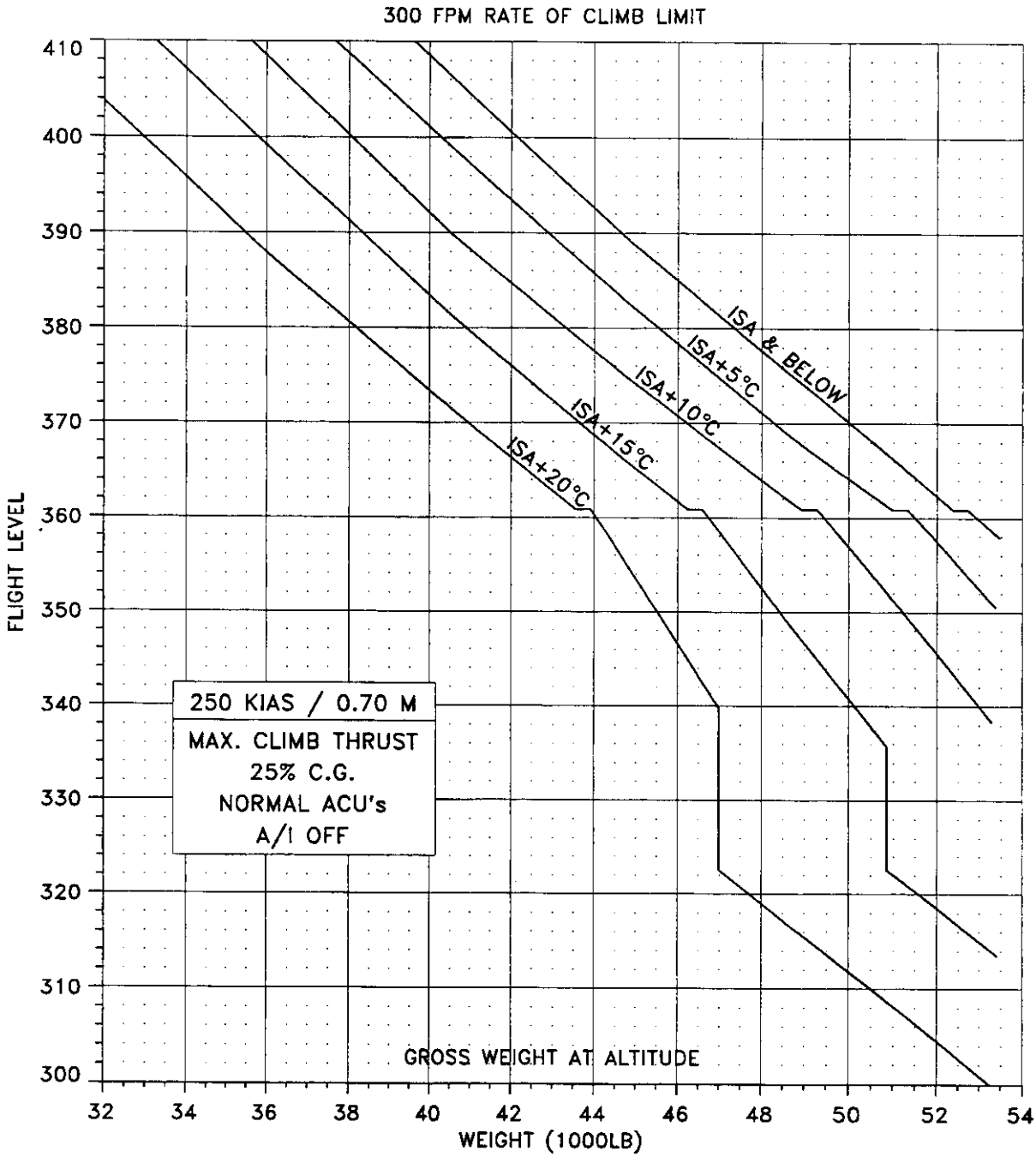
Climb Ceiling (From Brake Release) – 250 KIAS / 0.70 M (100 FPM Rate of Climb Limit)
Figure 04-06-1



Climb Ceiling (Gross Weight at Altitude) – 250 KIAS / 0.70 M (100 FPM Rate of Climb Limit)
Figure 04-06-2

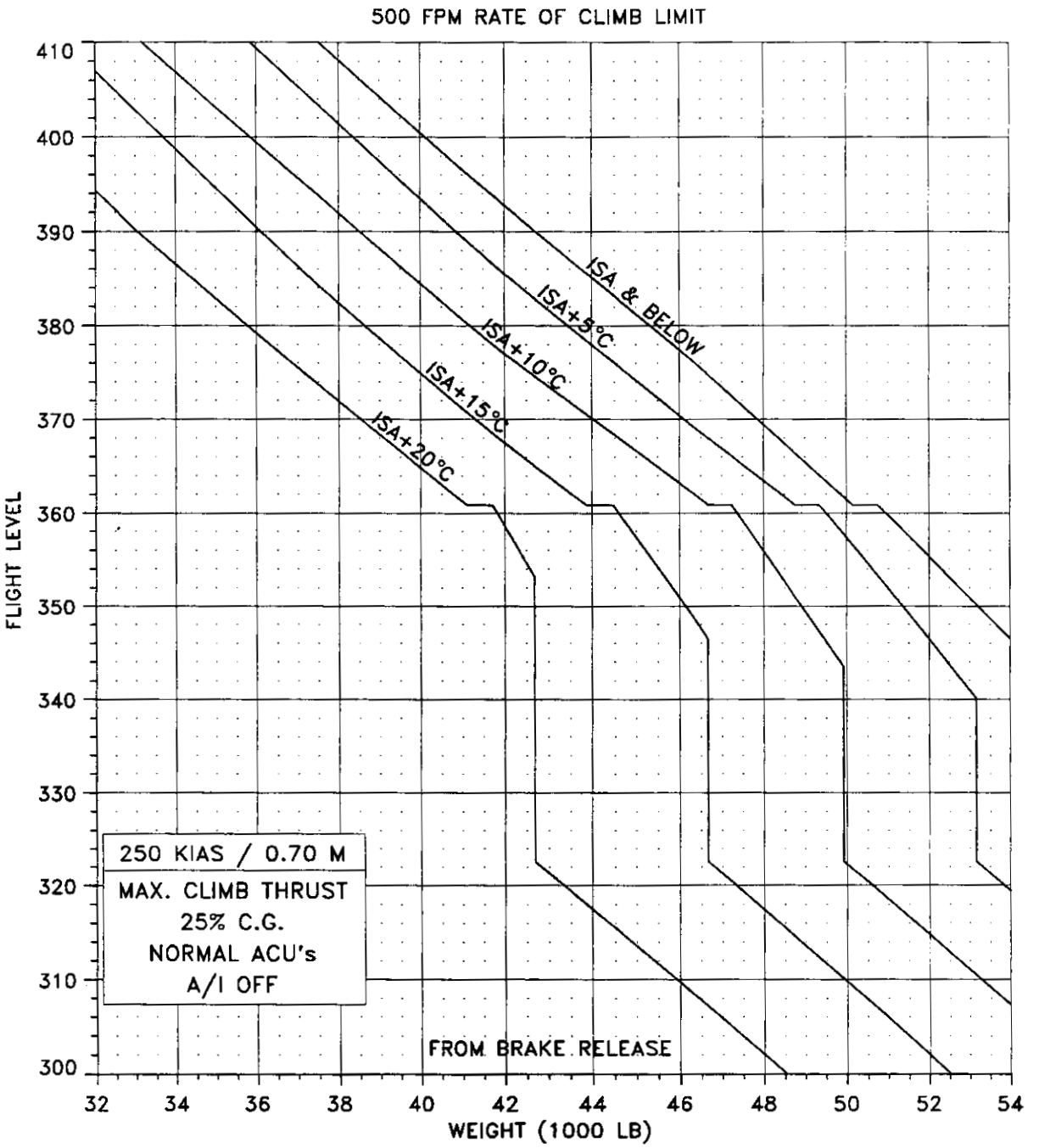


Climb Ceiling (From Brake Release) – 250 KIAS / 0.70 M (300 FPM Rate of Climb Limit)
Figure 04–06–3

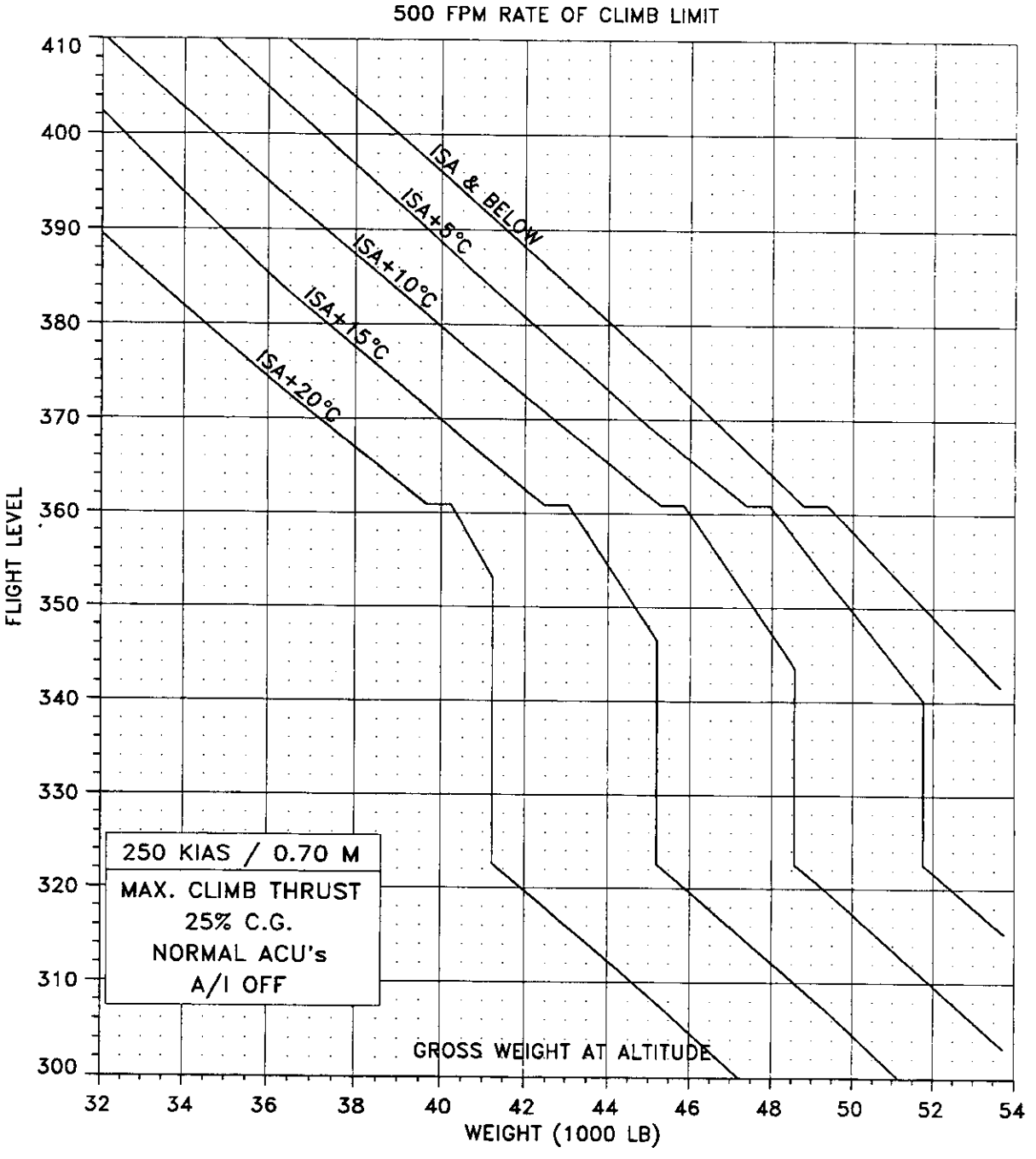


CLB250_300FPMALTWI – 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250 KIAS / 0.70 M (300 FPM Rate of Climb Limit)
Figure 04–06–4

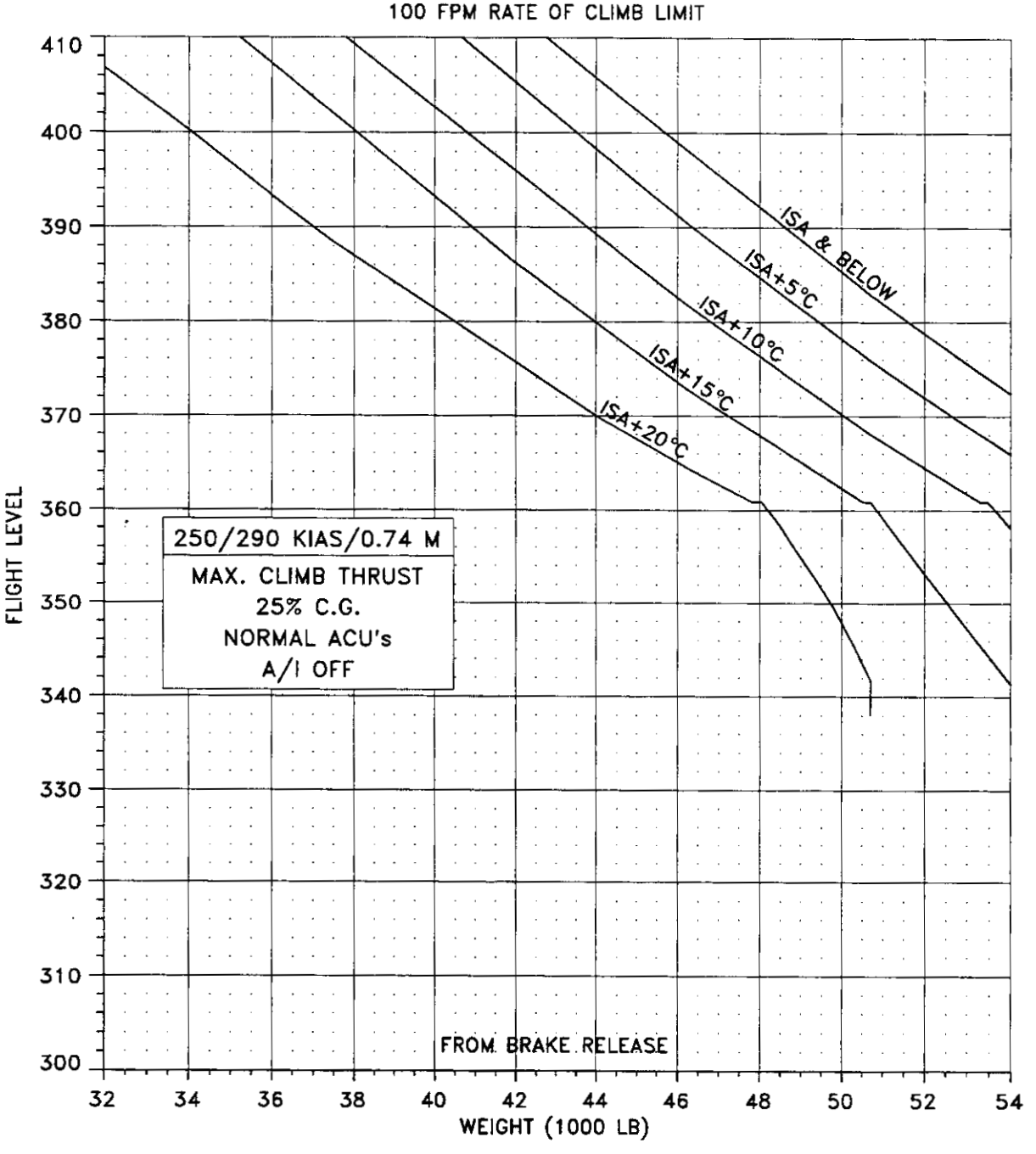


Climb Ceiling (From Brake Release) – 250 KIAS / 0.70 M (500 FPM Rate of Climb Limit)
Figure 04-06-5

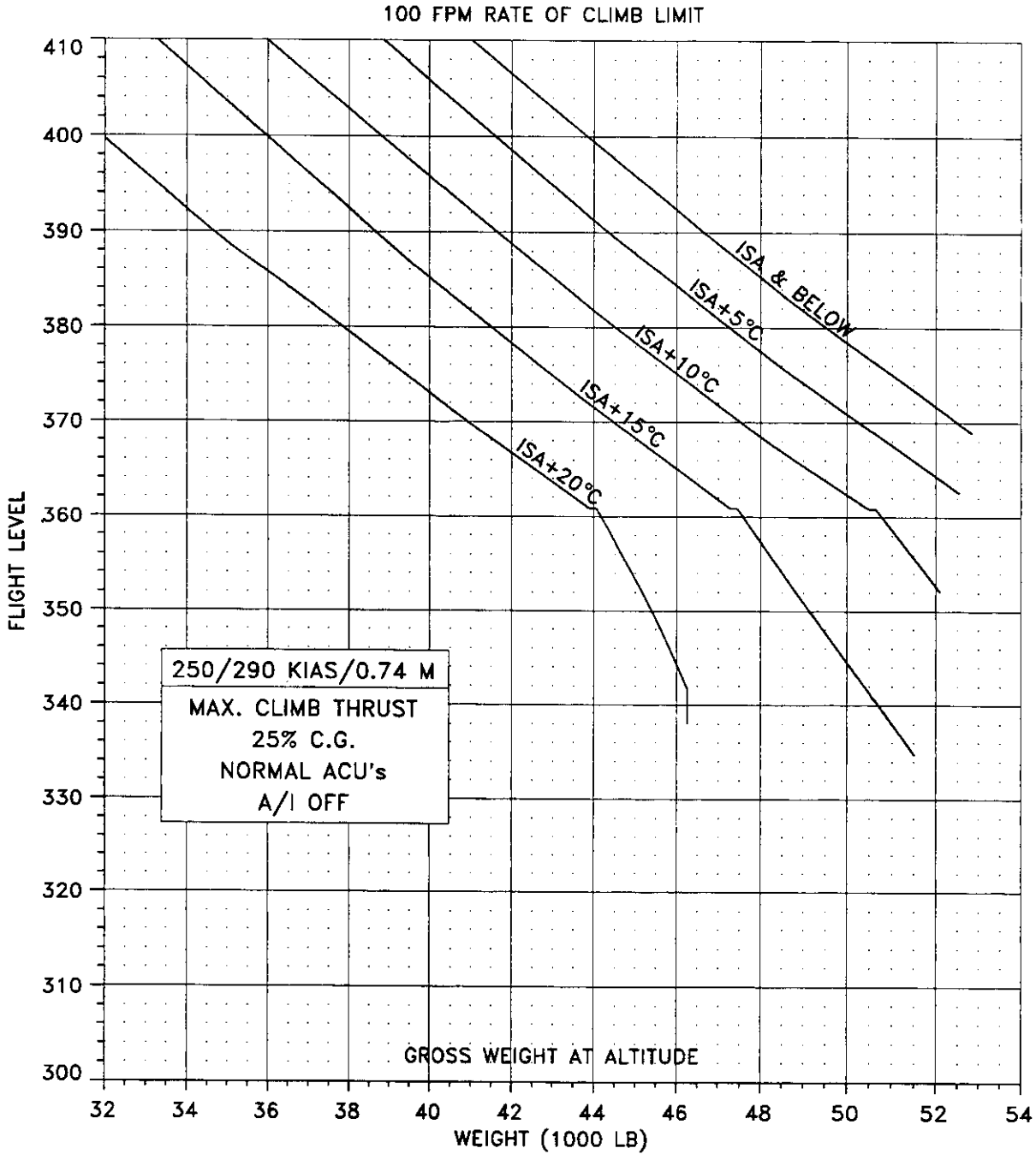


CLB250_500FPMALTWI - 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250 KIAS / 0.70 M (500 FPM Rate of Climb Limit)
Figure 04-06-6

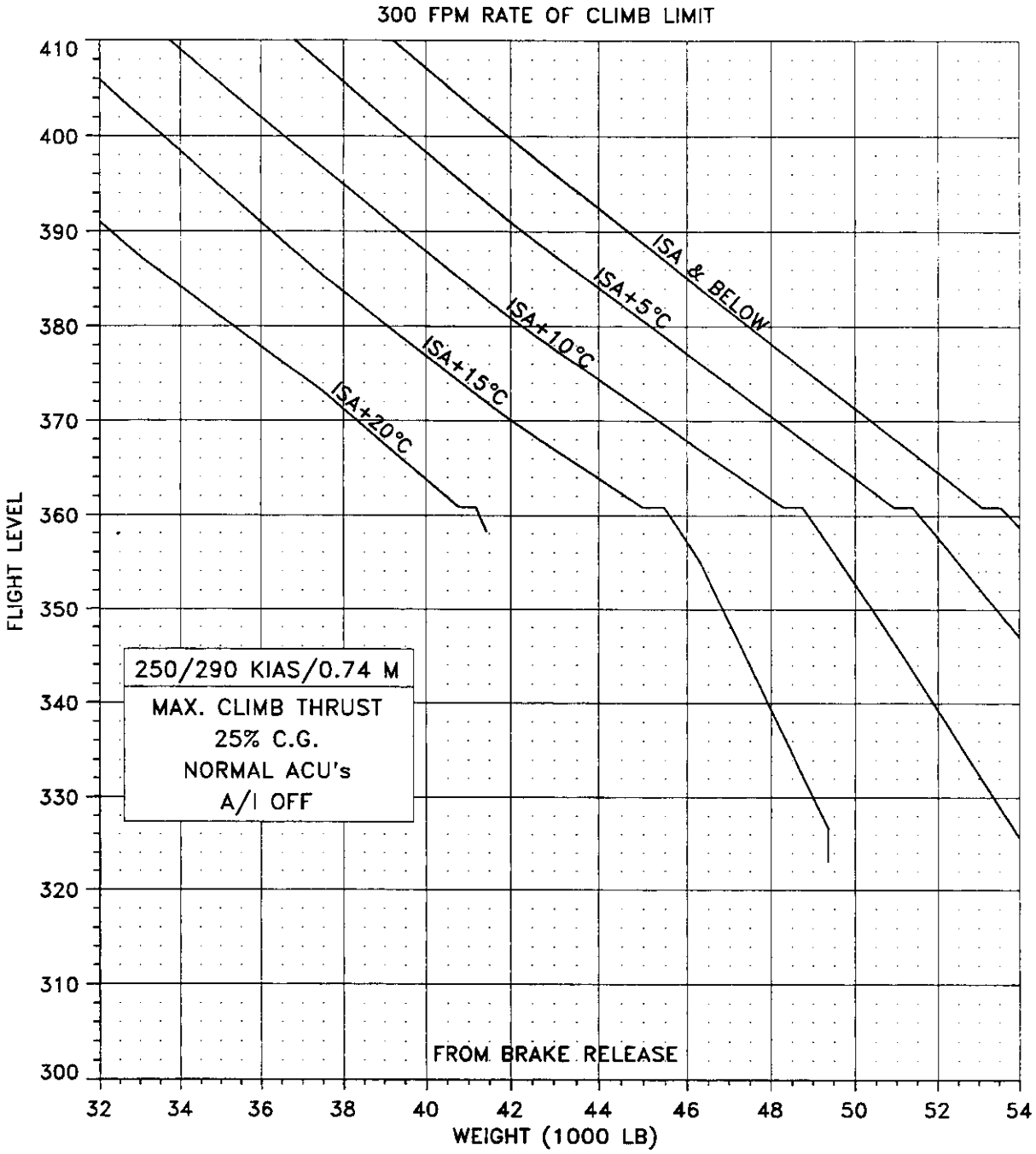


Climb Ceiling (From Brake Release) – 250/290 KIAS / 0.74 M (100 FPM Rate of Climb Limit)
Figure 04-06-7

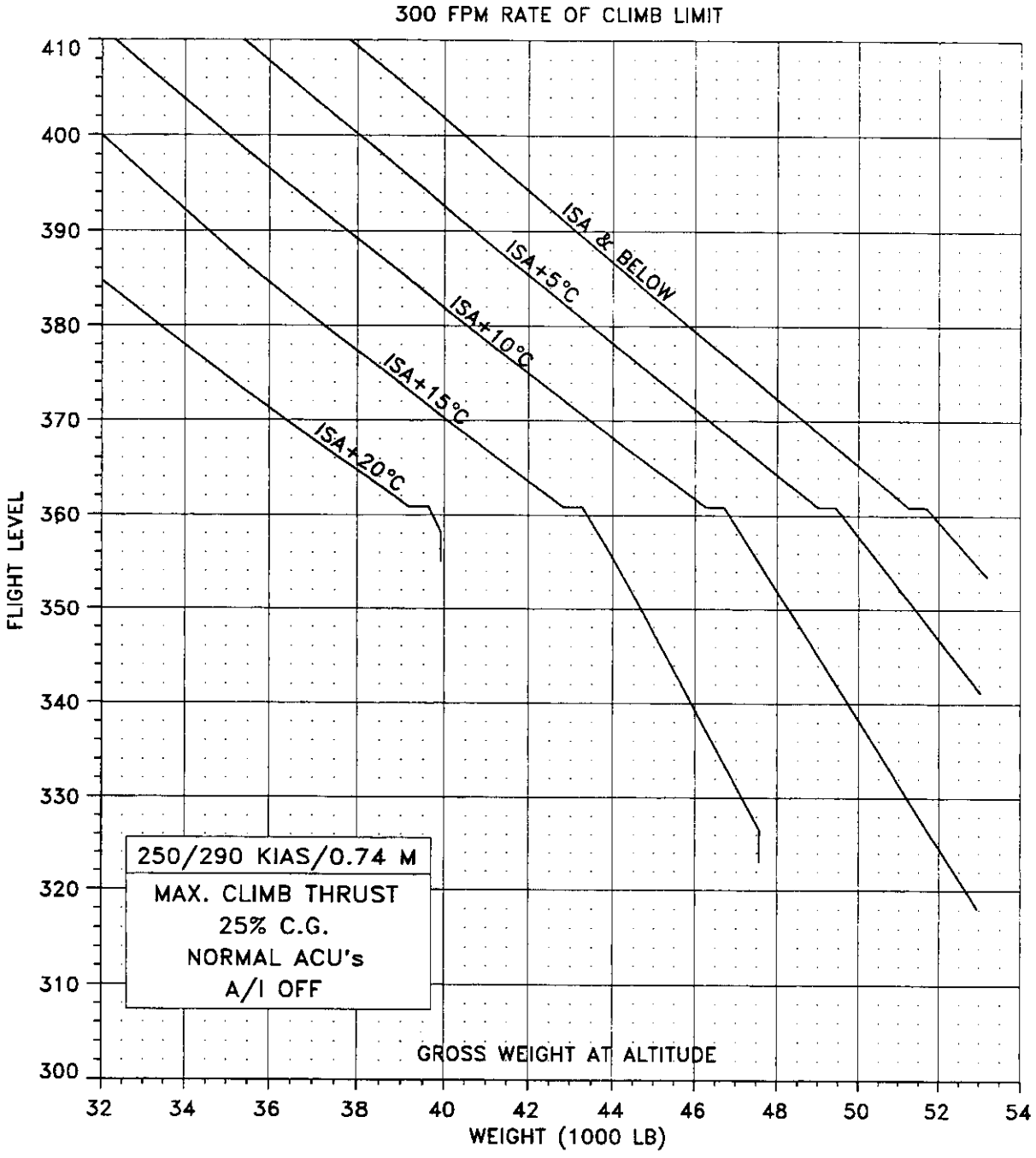


CLB290_100FPMALTWI – 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250/290 KIAS / 0.74 M (100 FPM Rate of Climb Limit)
Figure 04–06–8

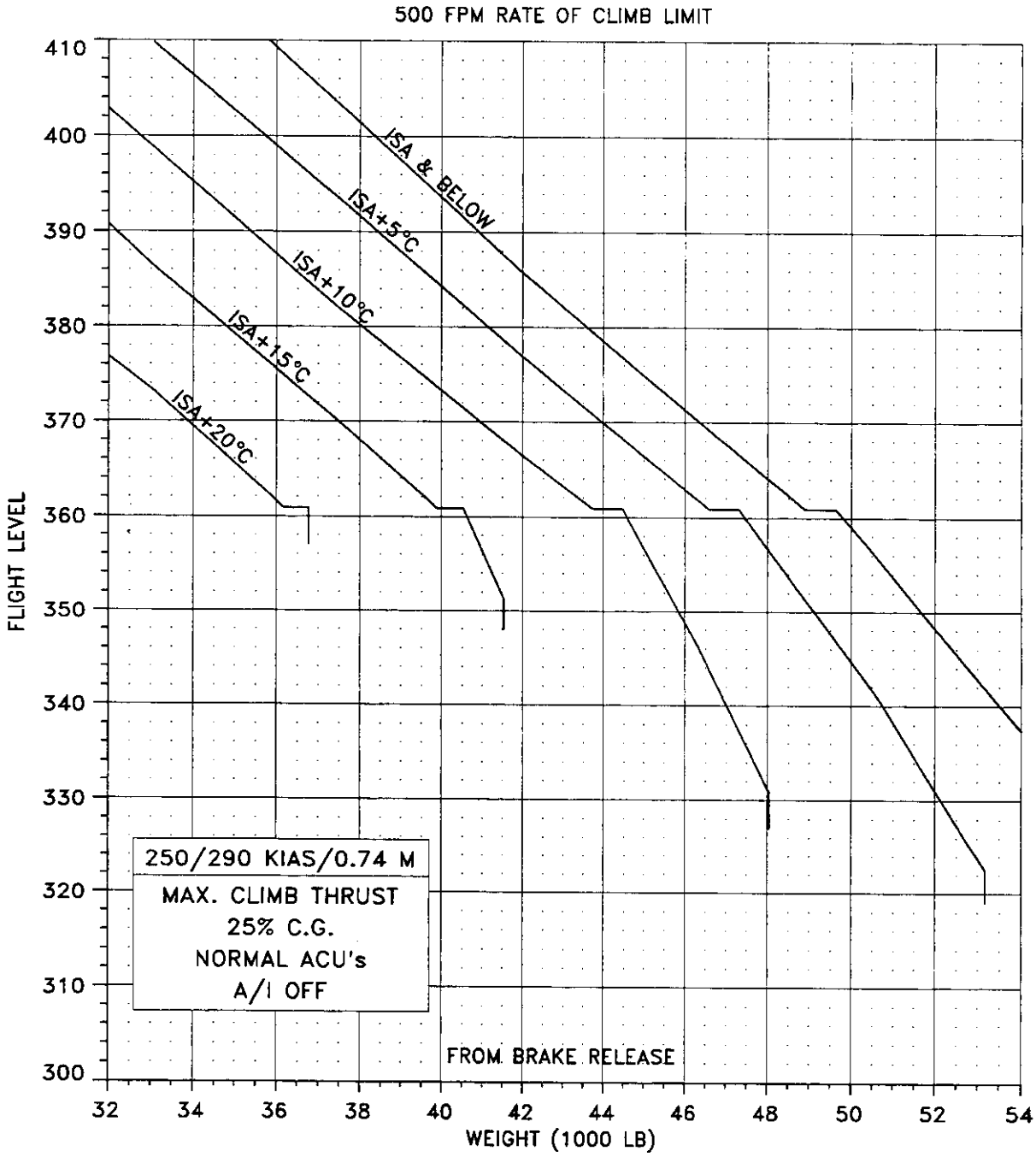


Climb Ceiling (From Brake Release) – 250/290 KIAS / 0.74 M (300 FPM Rate of Climb Limit)
Figure 04–06–9

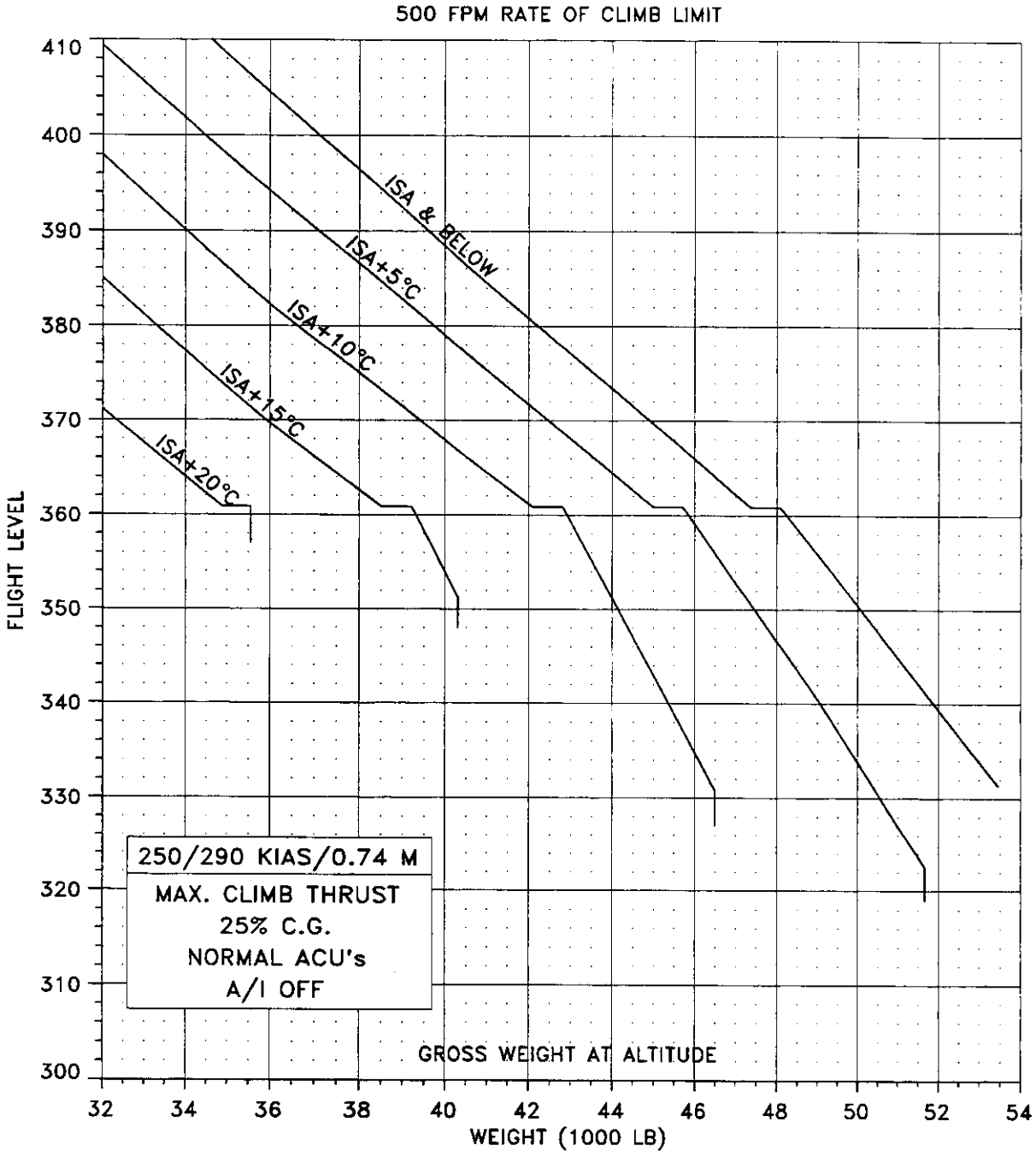


Climb Ceiling (Gross Weight at Altitude) – 250/290 KIAS / 0.74 M (300 FPM Rate of Climb Limit)
Figure 04–06–10

CLB290_300FPMALTWI – 31/07/96

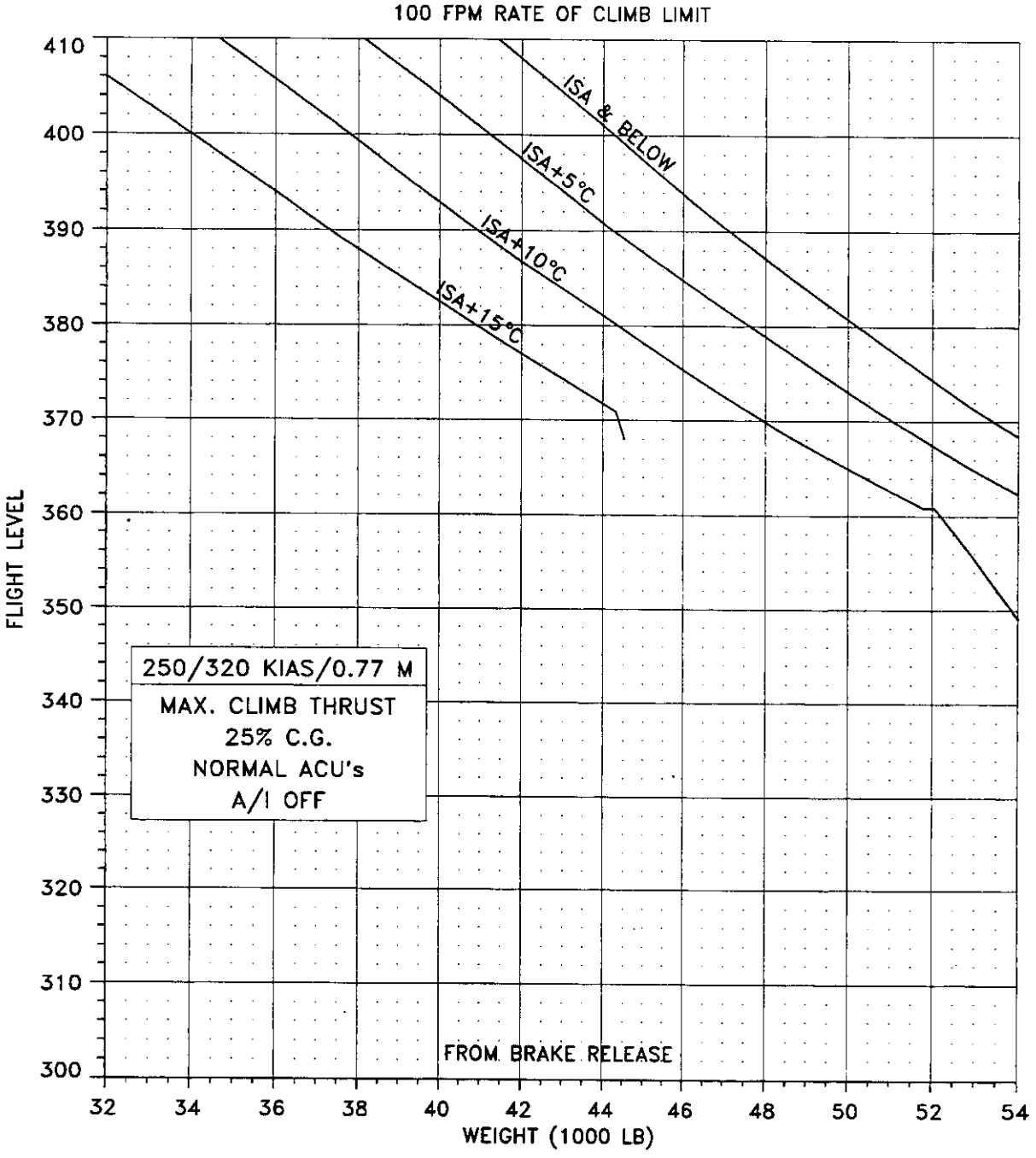


Climb Ceiling (From Brake Release) – 250/290 KIAS / 0.74 M (500 FPM Rate of Climb Limit)
Figure 04-06-11

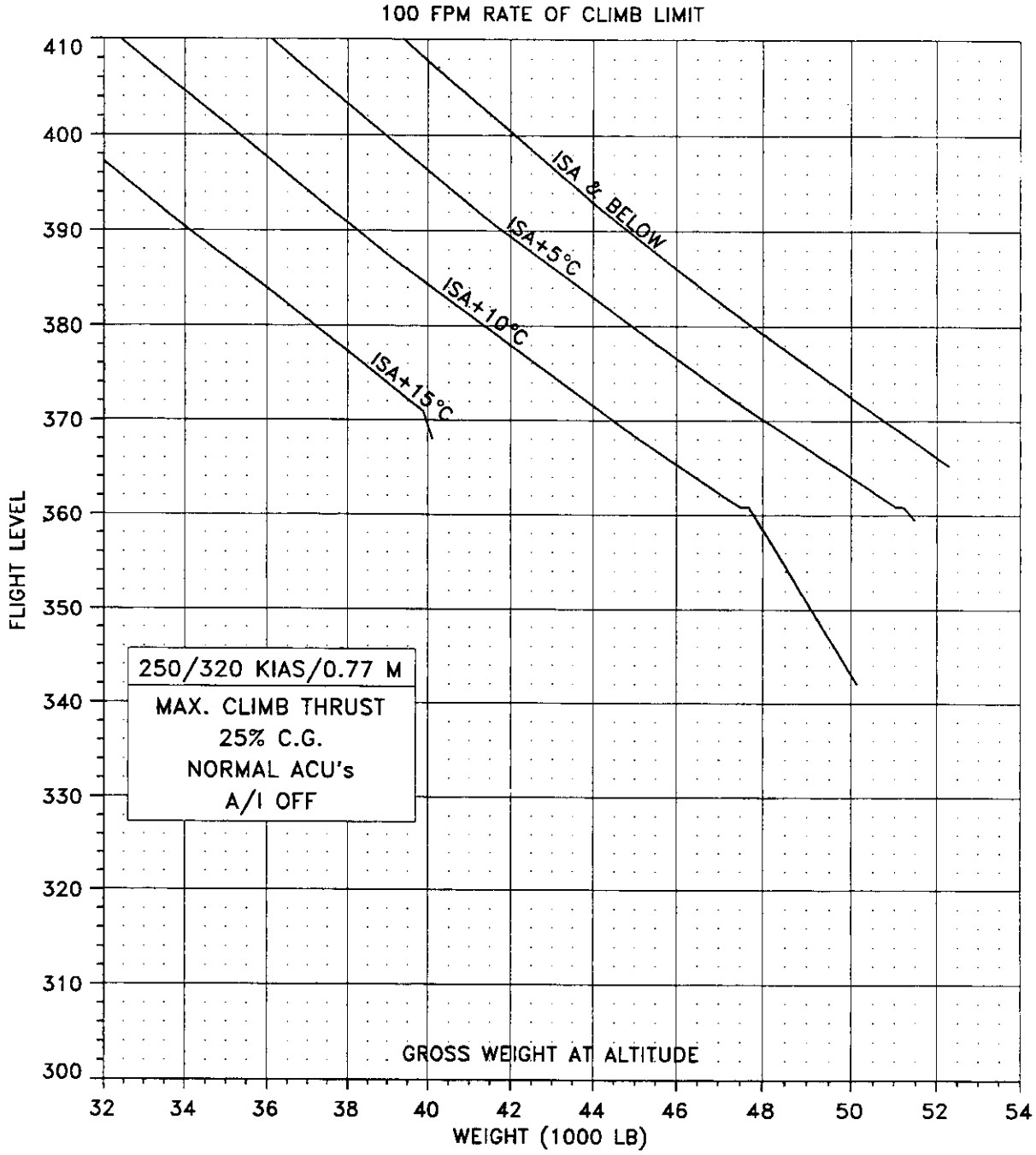


CLB290_500FPMALTWI – 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250/290 KIAS / 0.74 M (500 FPM Rate of Climb Limit)
Figure 04–06–12

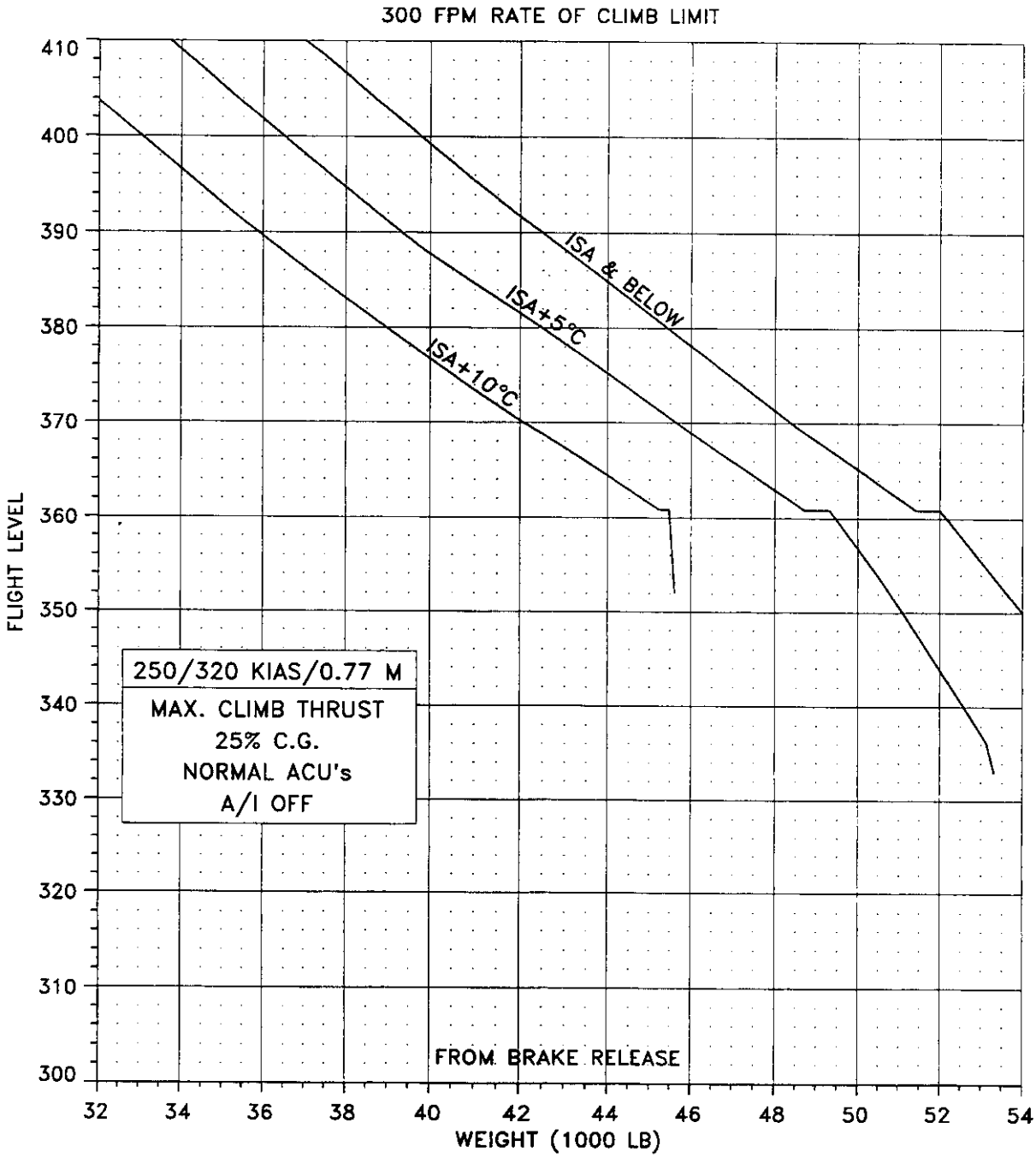


Climb Ceiling (From Brake Release) – 250/320 KIAS / 0.77 M (100 FPM Rate of Climb Limit)
Figure 04-06-13

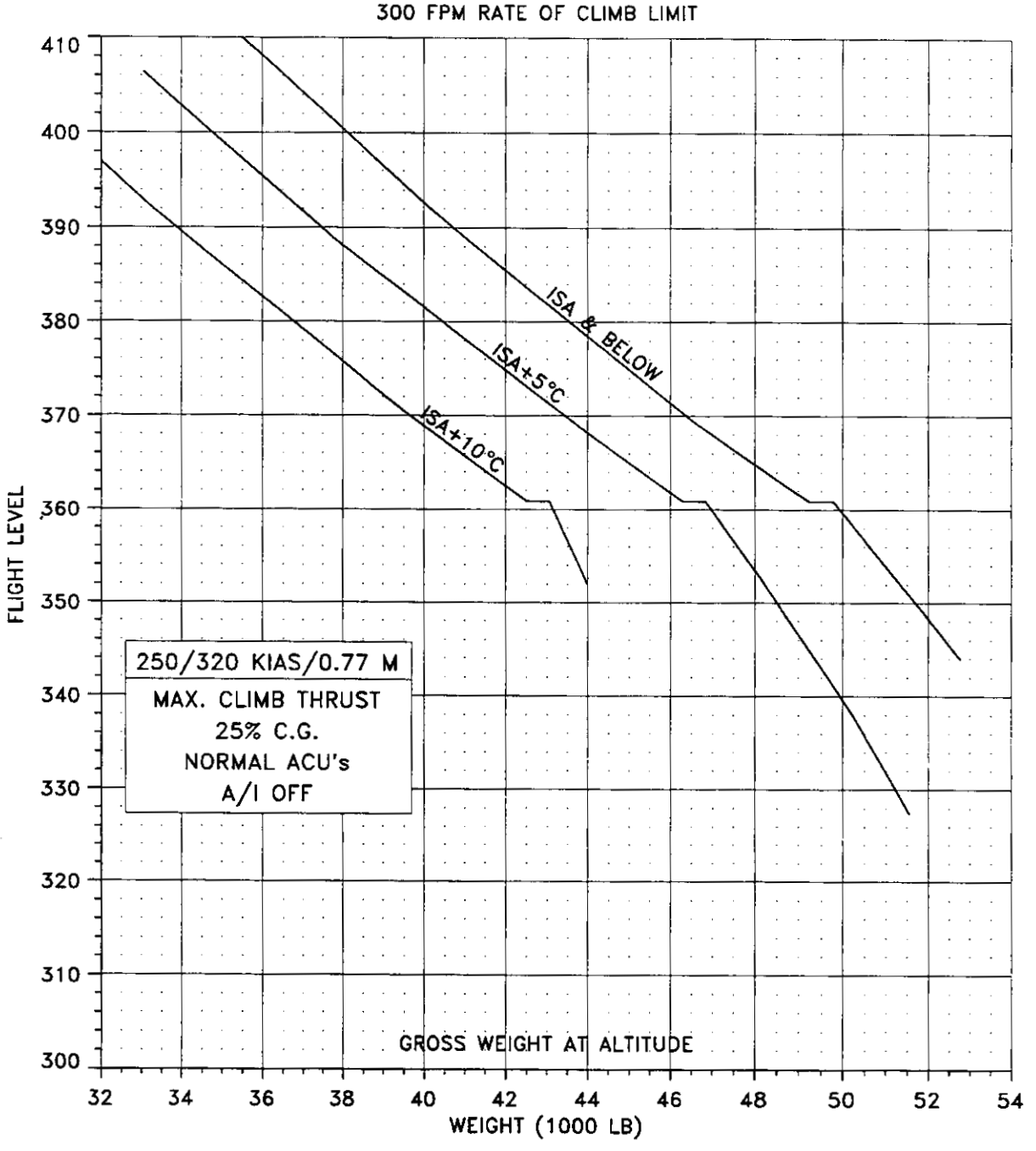


CLB320_100FPMALTWI – 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250/320 KIAS / 0.77 M (100 FPM Rate of Climb Limit)
Figure 04–06–14

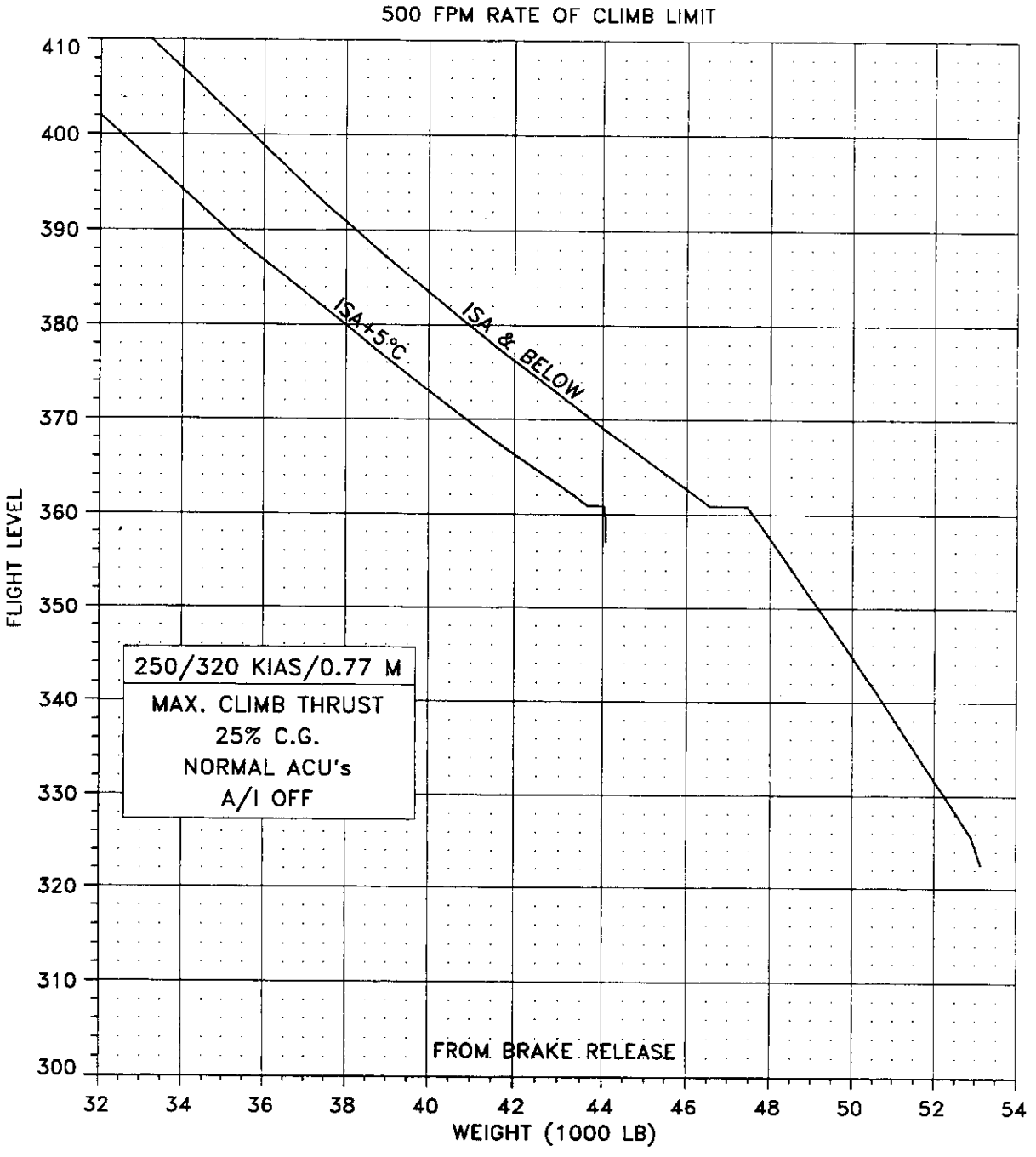


Climb Ceiling (From Brake Release) – 250/320 KIAS / 0.77 M (300 FPM Rate of Climb Limit)
Figure 04–06–15



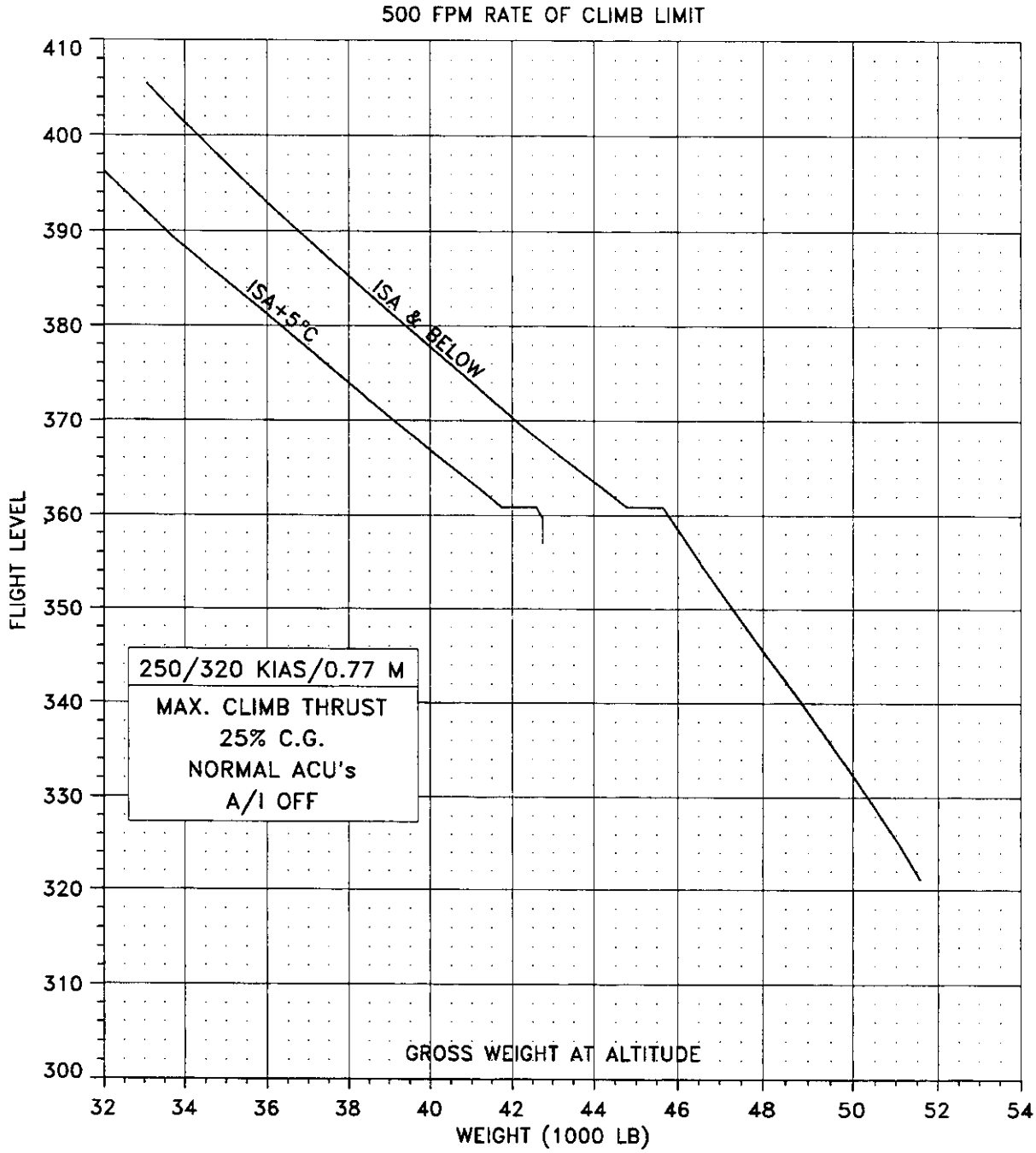
CLB320_300FPMALTWI – 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250/320 KIAS / 0.77 M (300 FPM Rate of Climb Limit)
Figure 04–06–16



CLB320_500FPMINIWI – 31/07/96

Climb Ceiling (From Brake Release) – 250/320 KIAS / 0.77 M (500 FPM Rate of Climb Limit)
Figure 04–06–17



CLB320_500FPMALTWI - 31/07/96

Climb Ceiling (Gross Weight at Altitude) – 250/320 KIAS / 0.77 M (500 FPM Rate of Climb Limit)
Figure 04-06-18

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA - 10 C 25% C.G.	FROM BRAKE RELEASE	
		TIME (MIN)	FUEL (LB)
		DIST (NAM)	ATAS (KTS)
		MACH	ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	32		34		36		38		40		42	
410	15.5	891	17.0	964	18.6	1046	20.4	1137	22.7	1244	25.7	1376
	88.1	340	96.6	342	106.3	344	117.6	345	131.6	348	150.2	351
	.700	904	.700	762	.700	625	.700	493	.700	364	.700	240
390	13.7	831	14.9	895	16.1	964	17.4	1039	18.9	1120	20.7	1210
	76.2	333	82.9	335	90.1	336	98.0	337	107.0	339	117.2	340
	.700	1214	.700	1067	.700	930	.700	798	.700	671	.700	548
370	12.3	780	13.3	838	14.3	899	15.4	965	16.6	1035	17.9	1109
	67.1	327	72.6	328	78.5	329	84.8	330	91.7	331	99.1	332
	.700	1532	.700	1376	.700	1231	.700	1097	.700	970	.700	848
350	11.2	736	12.1	789	12.9	845	13.9	904	14.9	966	16.0	1032
	59.9	320	64.6	321	69.5	322	74.8	323	80.5	324	86.6	325
	.700	1910	.700	1734	.700	1573	.700	1424	.700	1287	.700	1157
330	10.3	694	11.0	743	11.8	795	12.6	849	13.5	906	14.5	966
	53.6	313	57.7	314	62.0	315	66.6	316	71.4	317	76.5	318
	.700	2120	.700	1940	.700	1773	.700	1621	.700	1480	.700	1349
310	9.2	647	9.9	692	10.6	738	11.3	788	12.1	839	12.9	893
	46.8	304	50.3	305	54.0	306	57.8	307	61.8	307	66.1	308
	.682	1818	.682	1673	.682	1539	.682	1417	.682	1304	.682	1199
290	8.3	599	8.8	640	9.4	682	10.1	727	10.7	773	11.4	821
	40.6	295	43.5	296	46.6	296	49.8	297	53.2	298	56.7	298
	.655	2093	.655	1934	.655	1788	.655	1653	.655	1529	.655	1416
270	7.4	555	7.9	592	8.4	630	9.0	671	9.5	713	10.1	756
	35.2	286	37.8	287	40.4	287	43.1	288	45.9	289	48.9	289
	.628	2372	.628	2199	.628	2042	.628	1896	.628	1762	.628	1639
250	6.6	513	7.1	547	7.5	582	8.0	619	8.5	657	9.1	697
	30.6	277	32.8	278	35.1	279	37.4	279	39.8	280	42.3	280
	.604	2656	.604	2469	.604	2299	.604	2143	.604	2000	.604	1868
200	5.0	416	5.3	443	5.7	471	6.0	500	6.4	530	6.8	561
	21.4	256	22.9	257	24.4	258	26.0	259	27.7	259	29.3	260
	.547	3278	.547	3061	.547	2863	.547	2683	.547	2518	.547	2366
150	3.7	327	3.9	347	4.2	369	4.4	391	4.7	414	5.0	438
	14.5	235	15.5	236	16.5	237	17.6	238	18.7	239	19.8	239
	.497	4031	.497	3773	.497	3539	.497	3327	.497	3133	.497	2955
100	2.6	242	2.8	257	2.9	272	3.1	289	3.3	305	3.5	323
	9.2	212	9.8	213	10.4	214	11.1	215	11.8	215	12.5	216
	.452	4736	.452	4439	.452	4171	.452	3928	.452	3706	.452	3504
50	1.6	159	1.7	168	1.8	178	2.0	189	2.1	200	2.2	211
	4.9	178	5.2	180	5.6	181	5.9	182	6.3	183	6.7	183
	.413	5355	.413	5024	.413	4725	.413	4456	.413	4210	.413	3986

CLB250L1I_3B - 08/04/96

Climb Speed Schedule (250 KIAS / 0.70 M), ISA–10 °C (Page 1 of 2)
Figure 04–06–19

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA - 10 C 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	44		46		48		50		52		54	
410	30.4	1564	42.4	1993								
	179.7	355	257.5	364								
	.700	121	.700	18								
390	22.7	1312	25.1	1433	28.5	1587	33.9	1818	49.4	2415		
	129.3	342	144.5	345	165.2	348	199.4	353	300.0	364		
	.700	428	.700	312	.700	199	.700	91	.700	6		
370	19.3	1190	20.9	1279	22.7	1378	24.9	1493	27.6	1630	31.2	1808
	107.4	334	116.8	335	127.7	337	140.7	339	157.2	342	179.9	346
	.700	730	.700	616	.700	504	.700	395	.700	289	.700	187
350	17.1	1102	18.4	1177	19.7	1259	21.3	1348	23.0	1447	25.0	1560
	93.1	326	100.3	327	108.1	329	117.0	330	127.2	332	139.2	334
	.700	1033	.700	914	.700	798	.700	686	.700	576	.700	470
330	15.4	1029	16.5	1095	17.6	1166	18.8	1242	20.2	1325	21.7	1415
	82.0	319	87.8	320	94.1	321	101.0	322	108.6	323	117.2	325
	.700	1227	.700	1110	.700	999	.700	891	.700	786	.700	685
310	13.7	949	14.6	1007	15.5	1069	16.5	1135	17.6	1205	18.7	1280
	70.5	309	75.3	310	80.3	310	85.7	311	91.5	312	97.9	313
	.682	1102	.682	1011	.682	924	.682	842	.682	763	.682	686
290	12.1	871	12.9	923	13.6	978	14.5	1035	15.3	1096	16.3	1160
	60.4	299	64.2	300	68.3	300	72.6	301	77.2	302	82.1	303
	.655	1311	.655	1213	.655	1121	.655	1034	.655	952	.655	872
270	10.8	801	11.4	848	12.1	897	12.8	948	13.5	1001	14.3	1057
	51.9	290	55.2	290	58.5	291	62.0	291	65.8	292	69.7	293
	.628	1525	.628	1420	.628	1322	.628	1229	.628	1141	.628	1057
250	9.6	737	10.1	779	10.7	823	11.3	869	12.0	916	12.6	966
	44.9	281	47.6	281	50.4	282	53.3	282	56.4	283	59.7	284
	.604	1746	.604	1632	.604	1527	.604	1427	.604	1333	.604	1243
200	7.2	593	7.6	625	8.0	659	8.4	694	8.8	730	9.3	767
	31.1	260	32.9	261	34.7	261	36.6	262	38.6	262	40.7	263
	.547	2226	.547	2095	.547	1973	.547	1859	.547	1753	.547	1652
150	5.2	462	5.5	487	5.8	513	6.1	539	6.4	566	6.7	594
	20.9	240	22.1	240	23.3	240	24.6	241	25.9	242	27.2	242
	.497	2791	.497	2640	.497	2499	.497	2368	.497	2245	.497	2130
100	3.7	340	3.9	358	4.1	377	4.3	396	4.5	415	4.7	436
	13.2	217	14.0	217	14.7	218	15.5	218	16.3	219	17.2	219
	.452	3318	.452	3146	.452	2987	.452	2840	.452	2702	.452	2573
50	2.3	223	2.4	234	2.6	246	2.7	259	2.8	272	2.9	285
	7.1	185	7.5	185	7.9	186	8.3	187	8.8	188	9.3	188
	.413	3780	.413	3591	.413	3416	.413	3254	.413	3102	.413	2961

CLB250L2I_3B - 08/04/96

Climb Speed Schedule (250 KIAS / 0.70 M), ISA–10 °C (Page 2 of 2)
Figure 04–06–19

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	32		34		36		38		40		42	
410	16.0	939	17.5	1017	19.1	1103	21.1	1200	23.4	1314	26.6	1455
	92.8	348	101.8	350	112.1	352	124.1	353	139.1	356	159.1	359
	.700	913	.700	768	.700	629	.700	495	.700	364	.700	238
390	14.1	875	15.3	943	16.6	1016	18.0	1095	19.5	1181	21.3	1276
	80.2	341	87.2	342	94.8	344	103.3	345	112.7	347	123.5	348
	.700	1226	.700	1077	.700	937	.700	804	.700	675	.700	550
370	12.7	821	13.7	882	14.7	946	15.8	1016	17.1	1089	18.4	1168
	70.6	334	76.3	335	82.5	337	89.2	338	96.4	339	104.3	340
	.700	1553	.700	1394	.700	1247	.700	1111	.700	981	.700	857
350	11.5	773	12.4	829	13.3	888	14.3	951	15.3	1017	16.4	1086
	62.9	328	67.8	329	73.1	330	78.7	331	84.6	332	91.0	333
	.700	1939	.700	1760	.700	1596	.700	1445	.700	1305	.700	1173
330	10.5	729	11.3	781	12.1	835	13.0	893	13.9	953	14.8	1015
	56.3	320	60.6	321	65.1	322	69.9	323	75.0	324	80.4	325
	.700	2140	.700	1958	.700	1789	.700	1635	.700	1493	.700	1360
310	9.5	679	10.2	726	10.9	775	11.6	827	12.4	881	13.2	937
	49.1	311	52.7	312	56.6	313	60.6	313	64.8	314	69.3	315
	.682	1839	.682	1692	.682	1557	.682	1433	.682	1318	.682	1212
290	8.5	628	9.1	671	9.7	715	10.3	762	11.0	811	11.7	861
	42.5	301	45.5	302	48.8	303	52.1	303	55.7	304	59.3	305
	.655	2119	.655	1958	.655	1810	.655	1673	.655	1548	.655	1433
270	7.6	581	8.1	620	8.6	660	9.2	703	9.8	747	10.4	792
	36.8	292	39.5	292	42.2	293	45.1	294	48.0	295	51.1	295
	.628	2404	.628	2229	.628	2069	.628	1921	.628	1785	.628	1661
250	6.8	536	7.3	572	7.7	609	8.2	648	8.7	688	9.3	729
	32.0	283	34.3	284	36.6	284	39.0	285	41.6	286	44.2	286
	.604	2695	.604	2506	.604	2333	.604	2175	.604	2029	.604	1895
200	5.1	434	5.5	463	5.8	492	6.2	522	6.5	553	6.9	585
	22.3	261	23.9	262	25.5	263	27.1	264	28.8	264	30.6	265
	.547	3327	.547	3106	.547	2906	.547	2722	.547	2555	.547	2401
150	3.8	340	4.0	362	4.3	384	4.5	408	4.8	432	5.1	456
	15.1	240	16.1	241	17.2	242	18.3	242	19.4	243	20.6	244
	.497	4094	.497	3831	.497	3594	.497	3378	.497	3182	.497	3001
100	2.6	251	2.8	267	3.0	283	3.2	300	3.3	318	3.5	335
	9.5	215	10.2	217	10.8	218	11.5	219	12.2	220	13.0	220
	.452	4811	.452	4508	.452	4236	.452	3989	.452	3764	.452	3558
50	1.7	165	1.8	175	1.9	185	2.0	196	2.1	207	2.2	219
	5.1	181	5.4	183	5.8	184	6.1	185	6.5	186	6.9	187
	.413	5439	.413	5103	.413	4799	.413	4526	.413	4276	.413	4049

CLB25001I_3B - 21/03/96

Climb Speed Schedule (250 KIAS / 0.70 M), ISA (Page 1 of 2)
Figure 04–06–20

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	44		46		48		50		52		54	
410	31.5	1659	44.8	2142								
	191.1	364	278.8	373								
	.700	118	.700	16								
390	23.4	1385	25.9	1514	29.4	1679	35.2	1930	53.2	2637		
	136.4	350	152.6	353	174.9	357	212.2	362	331.8	374		
	.700	428	.700	310	.700	195	.700	87	.700	7		
370	19.9	1254	21.5	1347	23.4	1453	25.6	1574	28.4	1720	32.2	1911
	113.1	342	123.0	343	134.5	345	148.3	347	165.8	350	190.0	354
	.700	737	.700	621	.700	507	.700	397	.700	290	.700	186
350	17.6	1160	18.9	1239	20.3	1325	21.9	1419	23.7	1525	25.7	1644
	97.9	334	105.5	335	113.8	336	123.2	338	133.9	340	146.6	342
	.700	1047	.700	927	.700	809	.700	695	.700	584	.700	476
330	15.9	1082	16.9	1152	18.1	1227	19.4	1307	20.7	1394	22.3	1490
	86.1	326	92.2	327	98.9	328	106.2	329	114.2	331	123.3	332
	.700	1236	.700	1118	.700	1005	.700	896	.700	790	.700	687
310	14.1	996	15.0	1058	15.9	1123	16.9	1192	18.0	1266	19.2	1345
	74.0	316	78.9	316	84.2	317	89.9	318	96.0	319	102.7	320
	.682	1113	.682	1021	.682	933	.682	850	.682	770	.682	692
290	12.4	914	13.2	968	14.0	1025	14.8	1086	15.7	1149	16.7	1217
	63.2	305	67.2	306	71.5	307	76.0	307	80.8	308	86.0	309
	.655	1326	.655	1227	.655	1133	.655	1045	.655	962	.655	881
270	11.0	839	11.7	888	12.4	939	13.1	993	13.8	1048	14.6	1107
	54.3	296	57.7	296	61.2	297	64.9	298	68.8	298	72.9	299
	.628	1545	.628	1438	.628	1338	.628	1244	.628	1155	.628	1069
250	9.8	771	10.4	815	11.0	861	11.6	909	12.2	959	12.9	1011
	46.9	287	49.7	287	52.6	288	55.7	288	58.9	289	62.3	290
	.604	1771	.604	1656	.604	1549	.604	1447	.604	1352	.604	1261
200	7.3	619	7.7	653	8.1	688	8.6	724	9.0	762	9.5	801
	32.4	265	34.2	266	36.2	266	38.2	267	40.2	268	42.4	268
	.547	2258	.547	2125	.547	2002	.547	1886	.547	1778	.547	1676
150	5.3	482	5.6	507	5.9	534	6.2	561	6.5	590	6.9	619
	21.8	244	23.0	245	24.3	245	25.6	246	26.9	247	28.3	247
	.497	2834	.497	2680	.497	2538	.497	2405	.497	2280	.497	2162
100	3.7	354	3.9	372	4.1	392	4.3	412	4.6	432	4.8	453
	13.7	221	14.5	221	15.3	222	16.1	223	16.9	223	17.8	224
	.452	3370	.452	3195	.452	3034	.452	2884	.452	2744	.452	2613
50	2.3	231	2.5	243	2.6	255	2.7	268	2.9	282	3.0	295
	7.3	188	7.8	189	8.2	189	8.6	190	9.1	191	9.6	192
	.413	3839	.413	3647	.413	3470	.413	3305	.413	3151	.413	3007

CLB25002I_3B - 21/03/96

Climb Speed Schedule (250 KIAS / 0.70 M), ISA (Page 2 of 2)
Figure 04-06-20

CLIMB 250 KIAS / 0.70 M		
MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA + 5 C 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	32		34		36		38		40		42	
410	17.8	1006	19.5	1094	21.5	1192	23.9	1307	27.1	1447	31.9	1644
	105.0	354	115.8	356	128.4	358	143.8	360	164.2	363	195.6	368
	.700	767	.700	630	.700	498	.700	371	.700	248	.700	130
390	15.5	933	16.9	1007	18.3	1087	20.0	1175	21.8	1273	24.0	1383
	89.9	347	98.0	348	106.9	350	116.9	351	128.3	353	141.8	355
	.700	1080	.700	939	.700	806	.700	679	.700	556	.700	437
370	13.9	872	15.0	938	16.2	1009	17.5	1085	18.9	1166	20.4	1254
	78.7	340	85.3	341	92.4	342	100.1	343	108.5	345	117.9	346
	.700	1402	.700	1252	.700	1112	.700	982	.700	859	.700	740
350	12.6	821	13.6	881	14.6	945	15.7	1013	16.9	1086	18.2	1163
	70.0	333	75.6	334	81.6	335	88.1	336	95.0	338	102.5	339
	.700	1765	.700	1596	.700	1440	.700	1298	.700	1165	.700	1039
330	11.5	773	12.4	828	13.3	887	14.2	949	15.2	1014	16.3	1083
	62.5	326	67.3	327	72.5	328	78.0	329	83.8	330	90.0	331
	.700	1939	.700	1768	.700	1610	.700	1465	.700	1330	.700	1205
310	10.3	717	11.1	767	11.8	820	12.7	876	13.5	934	14.5	995
	54.3	316	58.4	317	62.7	318	67.3	319	72.1	320	77.2	320
	.682	1685	.682	1547	.682	1419	.682	1302	.682	1194	.682	1093
290	9.2	661	9.8	706	10.5	754	11.2	804	12.0	856	12.7	910
	46.8	306	50.3	307	53.9	308	57.7	308	61.6	309	65.8	310
	.655	1938	.655	1788	.655	1648	.655	1520	.655	1402	.655	1294
270	8.2	610	8.8	651	9.4	694	10.0	739	10.6	786	11.3	834
	40.5	297	43.4	297	46.5	298	49.7	299	53.0	300	56.4	300
	.628	2220	.628	2056	.628	1905	.628	1766	.628	1637	.628	1520
250	7.3	562	7.8	599	8.3	638	8.9	679	9.4	722	10.0	765
	35.1	288	37.6	288	40.2	289	42.9	290	45.7	291	48.6	291
	.604	2495	.604	2317	.604	2154	.604	2005	.604	1868	.604	1741
200	5.5	453	5.9	482	6.2	513	6.6	545	7.0	578	7.4	611
	24.4	266	26.1	267	27.8	268	29.7	268	31.5	269	33.5	270
	.547	3110	.547	2902	.547	2712	.547	2539	.547	2381	.547	2234
150	4.0	353	4.3	376	4.6	399	4.8	423	5.1	449	5.4	474
	16.4	244	17.5	245	18.7	247	19.9	247	21.1	248	22.4	248
	.497	3834	.497	3587	.497	3363	.497	3159	.497	2973	.497	2802
100	2.8	260	3.0	276	3.2	293	3.3	311	3.5	329	3.7	347
	10.3	220	11.0	221	11.7	223	12.5	223	13.2	224	14.0	225
	.452	4505	.452	4220	.452	3964	.452	3731	.452	3519	.452	3324
50	1.7	169	1.8	179	1.9	190	2.1	201	2.2	213	2.3	225
	5.4	185	5.7	187	6.1	188	6.5	189	6.9	190	7.4	191
	.413	5077	.413	4761	.413	4477	.413	4220	.413	3985	.413	3771

CLB25051I_3B - 21/03/96

Climb Speed Schedule (250 KIAS / 0.70 M), ISA+5 °C (Page 1 of 2)
Figure 04-06-21

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA + 5 C 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	44		46		48		50		52		54	
410	43.2	2052										
	270.5	376										
	.700	26										
390	26.6	1512	30.1	1675	35.6	1912	50.0	2473				
	158.4	357	180.9	361	216.7	366	313.1	376				
	.700	321	.700	208	.700	101	.700	14				
370	22.1	1350	24.1	1458	26.4	1581	29.3	1727	33.0	1913	38.8	2181
	128.3	348	140.4	350	154.8	352	172.7	354	196.8	358	234.4	363
	.700	625	.700	514	.700	405	.700	299	.700	197	.700	100
350	19.5	1245	21.0	1334	22.7	1432	24.6	1541	26.8	1665	29.5	1811
	110.6	340	119.6	341	129.7	343	141.3	344	154.9	347	171.6	349
	.700	919	.700	804	.700	691	.700	582	.700	475	.700	372
330	17.5	1156	18.7	1234	20.1	1318	21.6	1408	23.2	1508	25.1	1620
	96.7	332	103.9	333	111.8	334	120.5	335	130.3	337	141.6	339
	.700	1087	.700	976	.700	869	.700	765	.700	664	.700	566
310	15.4	1059	16.4	1127	17.5	1199	18.7	1275	20.0	1358	21.4	1447
	82.6	321	88.3	322	94.4	323	101.1	324	108.4	325	116.4	326
	.682	1000	.682	912	.682	829	.682	750	.682	673	.682	599
290	13.6	967	14.4	1026	15.3	1089	16.3	1155	17.3	1225	18.4	1299
	70.2	311	74.8	311	79.7	312	84.9	313	90.5	314	96.5	315
	.655	1193	.655	1099	.655	1011	.655	927	.655	848	.655	771
270	12.0	885	12.7	938	13.5	993	14.3	1051	15.1	1112	16.0	1176
	60.1	301	63.8	301	67.8	302	72.0	303	76.5	303	81.3	304
	.628	1410	.628	1309	.628	1214	.628	1124	.628	1040	.628	958
250	10.6	811	11.3	858	11.9	907	12.6	958	13.3	1012	14.1	1069
	51.7	292	54.8	292	58.2	293	61.6	293	65.3	294	69.2	295
	.604	1624	.604	1515	.604	1413	.604	1317	.604	1226	.604	1140
200	7.9	646	8.3	682	8.8	720	9.3	758	9.7	798	10.3	840
	35.5	270	37.5	271	39.7	271	41.9	272	44.2	272	46.6	273
	.547	2099	.547	1973	.547	1856	.547	1746	.547	1642	.547	1545
150	5.7	501	6.0	528	6.3	556	6.7	585	7.0	615	7.4	645
	23.7	249	25.1	249	26.4	250	27.9	250	29.4	251	30.9	251
	.497	2644	.497	2498	.497	2363	.497	2237	.497	2118	.497	2006
100	3.9	366	4.2	386	4.4	406	4.6	427	4.8	448	5.1	470
	14.8	226	15.7	226	16.5	227	17.4	227	18.3	228	19.3	228
	.452	3146	.452	2981	.452	2829	.452	2687	.452	2554	.452	2430
50	2.4	237	2.6	250	2.7	263	2.8	276	3.0	290	3.1	304
	7.8	192	8.2	193	8.7	194	9.2	194	9.7	195	10.2	196
	.413	3574	.413	3394	.413	3226	.413	3071	.413	2926	.413	2790

CLB25052I_3B - 21/03/96

Climb Speed Schedule (250 KIAS / 0.70 M), ISA+5 °C (Page 2 of 2)
Figure 04–06–21

CLIMB 250 KIAS / 0.70 M		
MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA + 10 C 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	32		34		36		38		40		42	
410	20.2	1098	22.4	1201	25.0	1320	28.4	1467	33.5	1672	45.2	2088
	121.8	361	135.5	363	152.3	366	174.3	369	208.2	373	286.8	381
	.700	612	.700	484	.700	361	.700	243	.700	128	.700	29
390	17.4	1008	19.0	1092	20.8	1183	22.8	1285	25.1	1401	27.9	1537
	102.7	353	112.5	355	123.3	356	135.8	358	150.5	360	168.7	363
	.700	904	.700	772	.700	649	.700	530	.700	415	.700	303
370	15.5	938	16.8	1011	18.1	1090	19.7	1175	21.3	1268	23.2	1369
	89.3	346	97.0	347	105.4	349	114.7	350	124.9	351	136.5	353
	.700	1237	.700	1095	.700	964	.700	842	.700	725	.700	613
350	14.0	880	15.1	946	16.3	1017	17.6	1093	19.0	1174	20.5	1261
	79.2	339	85.8	340	92.8	342	100.4	343	108.7	344	117.8	345
	.700	1573	.700	1415	.700	1269	.700	1135	.700	1010	.700	892
330	12.7	825	13.7	886	14.7	950	15.8	1019	17.0	1091	18.3	1168
	70.4	332	76.0	333	82.0	334	88.4	335	95.3	336	102.7	337
	.700	1703	.700	1545	.700	1399	.700	1265	.700	1140	.700	1024
310	11.3	762	12.2	816	13.1	874	14.0	934	15.0	998	16.0	1066
	60.8	322	65.5	323	70.5	324	75.7	324	81.3	325	87.2	326
	.682	1493	.682	1366	.682	1248	.682	1140	.682	1039	.682	946
290	10.1	699	10.8	748	11.5	800	12.3	854	13.2	910	14.1	969
	52.2	311	56.1	312	60.2	313	64.5	314	69.1	315	73.8	315
	.655	1756	.655	1616	.655	1486	.655	1366	.655	1255	.655	1154
270	9.0	643	9.6	687	10.2	733	10.9	782	11.6	832	12.4	885
	45.0	302	48.3	303	51.8	303	55.3	304	59.1	305	63.1	305
	.628	2018	.628	1865	.628	1725	.628	1595	.628	1474	.628	1364
250	8.0	591	8.5	631	9.1	673	9.7	716	10.3	762	11.0	809
	38.9	293	41.7	294	44.6	294	47.7	295	50.8	296	54.1	296
	.604	2275	.604	2110	.604	1959	.604	1820	.604	1691	.604	1573
200	5.9	473	6.3	505	6.7	537	7.2	571	7.6	606	8.1	641
	26.9	271	28.7	272	30.7	273	32.7	273	34.8	274	36.9	274
	.547	2870	.547	2676	.547	2499	.547	2336	.547	2188	.547	2050
150	4.3	368	4.6	391	4.9	416	5.2	441	5.5	468	5.8	495
	18.0	249	19.2	250	20.5	251	21.8	252	23.2	253	24.6	253
	.497	3550	.497	3318	.497	3109	.497	2919	.497	2744	.497	2584
100	3.0	269	3.2	286	3.4	303	3.6	322	3.8	341	4.0	360
	11.2	225	11.9	226	12.7	227	13.5	228	14.4	229	15.2	229
	.452	4179	.452	3914	.452	3674	.452	3456	.452	3258	.452	3075
50	1.8	174	1.9	184	2.0	195	2.2	207	2.3	219	2.4	231
	5.7	189	6.1	191	6.5	193	6.9	193	7.4	195	7.8	195
	.413	4730	.413	4434	.413	4168	.413	3927	.413	3707	.413	3506

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Climb Speed Schedule (250 KIAS / 0.70 M), ISA+10 °C (Page 1 of 2)
Figure 04-06-22

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA + 10 C 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	44		46		48		50		52		54	
410												
390	31.7	1709	37.6	1960	53.4	2559						
	193.2	366	232.6	371	339.3	381						
	.700	194	.700	91	.700	10						
370	25.3	1482	27.8	1612	30.9	1766	34.9	1961	40.9	2238	53.8	2784
	149.7	355	165.5	357	185.0	360	211.1	363	251.0	368	337.5	376
	.700	504	.700	398	.700	295	.700	195	.700	101	.700	22
350	22.1	1356	24.0	1460	26.1	1576	28.5	1710	31.5	1867	35.3	2063
	127.8	347	139.0	348	152.0	350	167.3	352	186.1	355	210.7	358
	.700	778	.700	669	.700	562	.700	459	.700	358	.700	261
330	19.6	1251	21.1	1340	22.8	1436	24.6	1543	26.7	1663	29.1	1800
	110.7	338	119.5	339	129.3	341	140.4	342	153.1	344	168.1	346
	.700	914	.700	810	.700	710	.700	613	.700	518	.700	426
310	17.2	1137	18.4	1212	19.6	1293	21.0	1380	22.6	1475	24.3	1579
	93.5	327	100.3	328	107.7	329	115.8	330	124.7	331	134.8	333
	.682	859	.682	777	.682	699	.682	625	.682	553	.682	484
290	15.0	1031	16.0	1096	17.0	1165	18.1	1239	19.3	1317	20.6	1402
	78.9	316	84.3	317	90.0	318	96.2	318	102.8	319	110.2	320
	.655	1059	.655	971	.655	888	.655	809	.655	734	.655	661
270	13.2	939	14.0	997	14.9	1057	15.8	1121	16.8	1188	17.8	1259
	67.2	306	71.6	307	76.2	307	81.1	308	86.3	309	92.0	310
	.628	1261	.628	1166	.628	1078	.628	993	.628	913	.628	836
250	11.6	857	12.3	908	13.1	962	13.9	1017	14.7	1076	15.6	1138
	57.6	297	61.2	297	65.0	298	69.0	298	73.2	299	77.8	300
	.604	1463	.604	1361	.604	1265	.604	1175	.604	1089	.604	1007
200	8.5	679	9.0	717	9.5	757	10.1	798	10.6	841	11.2	886
	39.2	275	41.5	276	43.9	276	46.4	276	49.0	277	51.8	277
	.547	1923	.547	1805	.547	1694	.547	1590	.547	1493	.547	1400
150	6.1	523	6.5	551	6.8	581	7.2	612	7.6	643	8.0	676
	26.0	254	27.5	254	29.1	255	30.6	255	32.3	256	34.0	256
	.497	2436	.497	2299	.497	2172	.497	2053	.497	1941	.497	1835
100	4.2	380	4.4	401	4.7	422	4.9	443	5.1	466	5.4	489
	16.1	230	17.0	231	18.0	232	19.0	232	20.0	233	21.0	233
	.452	2908	.452	2753	.452	2610	.452	2477	.452	2352	.452	2235
50	2.5	244	2.7	257	2.8	270	3.0	284	3.1	298	3.3	313
	8.3	196	8.8	197	9.3	198	9.8	198	10.3	199	10.9	200
	.413	3321	.413	3151	.413	2993	.413	2847	.413	2710	.413	2582

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Climb Speed Schedule (250 KIAS / 0.70 M), ISA+10 °C (Page 2 of 2)
Figure 04-06-22

CLIMB 250 KIAS / 0.70 M

MAX. CLIMB THRUST NORMAL ACU'S A/I OFF	ISA + 15 C 25% C.G.	FROM BRAKE RELEASE TIME (MIN) FUEL (LB) DIST (NAM) ATAS (KTS) MACH ROC (FPM)

FLIGHT LEVEL	BRAKE RELEASE WEIGHT - 1000 LB											
	32		34		36		38		40		42	
410	23.6	1217	26.4	1343	30.1	1498	35.6	1715	48.1	2150		
	144.6	368	163.1	371	187.5	374	224.5	378	309.3	386		
	.700	466	.700	348	.700	234	.700	125	.700	30		
390	20.0	1103	21.9	1200	24.1	1309	26.7	1432	29.8	1579	34.0	1765
	119.8	360	131.9	362	145.9	363	162.4	365	182.9	368	210.7	371
	.700	741	.700	619	.700	504	.700	393	.700	285	.700	182
370	17.6	1019	19.1	1102	20.8	1192	22.6	1291	24.7	1400	27.1	1523
	103.1	352	112.5	354	122.8	355	134.4	357	147.5	358	162.6	360
	.700	1049	.700	919	.700	797	.700	683	.700	575	.700	470
350	15.8	951	17.1	1025	18.5	1105	20.0	1192	21.7	1285	23.6	1387
	91.0	345	98.8	346	107.2	348	116.5	349	126.8	350	138.2	352
	.700	1352	.700	1207	.700	1072	.700	948	.700	832	.700	722
330	14.3	888	15.4	955	16.6	1027	17.9	1103	19.3	1186	20.8	1274
	80.4	338	87.0	339	94.1	340	101.8	341	110.1	342	119.2	343
	.700	1476	.700	1331	.700	1197	.700	1074	.700	958	.700	850
310	12.7	815	13.6	875	14.6	938	15.7	1005	16.9	1076	18.1	1151
	69.0	327	74.5	328	80.2	329	86.4	330	93.0	331	100.1	332
	.682	1306	.682	1190	.682	1082	.682	982	.682	889	.682	803
290	11.2	745	12.0	798	12.8	853	13.8	912	14.7	975	15.7	1040
	58.9	317	63.4	317	68.1	318	73.1	319	78.4	320	84.1	320
	.655	1559	.655	1430	.655	1310	.655	1199	.655	1097	.655	1003
270	9.9	682	10.6	730	11.3	779	12.1	832	12.9	887	13.8	944
	50.6	307	54.4	307	58.3	308	62.4	309	66.8	310	71.4	310
	.628	1809	.628	1668	.628	1539	.628	1418	.628	1306	.628	1204
250	8.8	625	9.4	668	10.1	713	10.7	760	11.4	809	12.2	860
	43.7	298	46.8	298	50.1	299	53.6	300	57.2	300	61.0	301
	.604	2063	.604	1910	.604	1770	.604	1640	.604	1521	.604	1410
200	6.5	498	7.0	531	7.4	565	7.9	601	8.4	638	8.9	677
	30.0	276	32.1	276	34.3	277	36.5	278	38.9	278	41.3	279
	.547	2607	.547	2428	.547	2265	.547	2114	.547	1977	.547	1849
150	4.7	384	5.0	409	5.3	435	5.7	462	6.0	490	6.4	518
	19.9	254	21.3	255	22.7	256	24.2	256	25.7	257	27.3	257
	.497	3249	.497	3035	.497	2842	.497	2665	.497	2503	.497	2354
100	3.2	279	3.4	297	3.6	315	3.9	335	4.1	354	4.3	375
	12.3	230	13.1	231	14.0	232	14.9	232	15.9	233	16.8	234
	.452	3857	.452	3610	.452	3387	.452	3184	.452	2999	.452	2829
50	1.9	179	2.0	190	2.2	201	2.3	213	2.4	226	2.6	238
	6.2	194	6.7	195	7.1	196	7.6	197	8.1	198	8.6	199
	.413	4375	.413	4100	.413	3852	.413	3627	.413	3422	.413	3235

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Climb Speed Schedule (250 KIAS / 0.70 M), ISA+15 °C (Page 1 of 2)
Figure 04–06–23