

MAXIMUM CRUISE POWER

**1800 RPM
ISA + 10°C**

NOTE: IOAT, TORQUE AND FUEL FLOW BASED ON 11,000 LBS

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	°C	°C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	30	25	2230	493	986	238	243	239	244	240	244
2,000	27	21	2230	479	958	236	247	237	248	237	249
4,000	23	17	2230	466	932	233	252	234	253	235	254
6,000	19	13	2230	454	908	231	257	232	258	233	259
8,000	16	9	2230	443	886	229	262	230	264	231	265
10,000	12	5	2230	432	864	227	268	228	269	229	270
12,000	8	1	2230	424	848	224	273	225	274	226	275
14,000	5	-3	2230	416	832	222	278	223	280	224	281
16,000	1	-7	2230	408	816	220	285	221	287	222	288
18,000	-3	-11	2230	401	802	217	290	218	292	220	294
20,000	-6	-15	2230	395	790	214	296	216	298	217	299
22,000	-10	-19	2148	380	760	208	297	210	299	211	301
24,000	-14	-23	1985	354	708	199	294	201	297	203	299
26,000	-18	-27	1841	330	660	190	291	193	295	195	297
28,000	-23	-30	1721	309	618	182	289	185	293	187	296
29,000	-25	-32	1662	299	598	178	288	181	292	183	296
31,000	-29	-36	1528	277	554	168	283	172	288	175	292
33,000	-33	-40	1376	252	504	157	274	161	280	164	286
35,000	-38	-44	1223	227	454	143	260	149	270	153	278

BYAACR016B-5

BY07D
072635AA.A1

MAXIMUM CRUISE POWER

**1800 RPM
 ISA + 20°C**

NOTE: IOAT, TORQUE AND FUEL FLOW BASED ON 11,000 LBS

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	°C	°C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	41	35	2230	500	1000	237	246	238	247	239	247
2,000	37	31	2230	485	970	234	249	234	250	235	251
4,000	33	27	2230	471	942	231	254	232	255	233	256
6,000	29	23	2230	458	916	230	260	231	262	232	263
8,000	26	19	2230	447	894	228	266	229	267	230	268
10,000	22	15	2230	436	872	225	271	226	272	227	273
12,000	18	11	2230	428	856	223	276	224	278	225	279
14,000	15	7	2230	419	838	220	282	222	283	223	285
16,000	11	3	2230	412	824	218	287	219	289	220	290
18,000	7	-1	2123	391	782	211	287	212	289	214	291
20,000	3	-5	2001	368	736	203	287	205	289	207	291
22,000	-1	-9	1836	341	682	194	283	196	286	198	288
24,000	-5	-13	1679	316	632	184	279	187	282	189	285
26,000	-9	-17	1540	292	584	175	274	178	278	180	282
28,000	-13	-20	1424	272	544	166	269	169	274	172	279
29,000	-16	-22	1368	262	524	161	267	165	272	168	277
31,000	-20	-26	1240	241	482	149	256	154	265	158	271
33,000	-25	-30	1093	217	434	131	236	140	251	146	261
35,000	-29	-34	958	195	390	-	-	-	-	131	244

BYAACR016B-6

BY07D
 072637AA AI

MAXIMUM CRUISE POWER

**1800 RPM
ISA + 30°C**

NOTE: IOAT, TORQUE AND FUEL FLOW BASED ON 11,000 LBS

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	°C	°C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	51	45	2230	506	1012	235	248	236	249	237	249
2,000	47	41	2230	490	980	233	252	234	254	235	254
4,000	43	37	2230	477	954	230	257	231	259	232	260
6,000	40	33	2230	464	928	228	263	229	264	230	265
8,000	36	29	2230	453	906	226	268	227	269	228	270
10,000	32	25	2230	441	882	223	273	224	274	225	276
12,000	28	21	2218	431	862	220	278	221	279	223	281
14,000	24	17	2094	406	812	213	277	214	279	216	281
16,000	20	13	1968	381	762	206	277	207	279	208	280
18,000	16	9	1840	357	714	198	275	199	277	201	279
20,000	12	5	1712	333	666	189	272	191	275	193	278
22,000	8	1	1534	305	610	178	265	181	269	183	272
24,000	4	-3	1394	282	564	167	258	171	264	173	267
26,000	0	-7	1266	259	518	156	250	160	257	164	263
28,000	-5	-10	1150	239	478	144	240	150	249	154	256
29,000	-7	-12	1091	229	458	137	232	144	244	149	252
31,000	-12	-16	971	209	418	-	-	130	229	137	241
33,000	-16	-20	862	190	380	-	-	-	-	122	225
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR016B-7

BY07D
072638AA AI

MAXIMUM CRUISE POWER

**1800 RPM
ISA + 37°C**

NOTE: IOAT, TORQUE AND FUEL FLOW BASED ON 11,000 LBS

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	°C	°C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	58	52	2230	509	1018	234	249	235	250	236	251
2,000	54	48	2230	494	988	231	254	232	255	233	256
4,000	50	44	2230	481	962	229	259	230	260	231	261
6,000	47	40	2230	468	936	227	264	228	265	229	266
8,000	43	36	2227	456	912	224	269	225	270	226	272
10,000	39	32	2142	433	866	219	271	220	272	221	273
12,000	35	28	2023	408	816	212	270	213	272	214	273
14,000	31	24	1899	383	766	204	269	205	271	207	273
16,000	27	20	1775	358	716	196	267	198	270	199	272
18,000	23	16	1651	334	668	188	265	190	268	192	270
20,000	19	12	1524	311	622	179	261	181	265	184	268
22,000	15	8	1373	285	570	167	253	171	258	174	262
24,000	10	4	1229	261	522	155	243	159	250	163	255
26,000	6	0	1089	238	476	141	229	147	239	151	246
28,000	1	-3	944	214	428	-	-	131	222	138	233
29,000	-1	-5	882	203	406	-	-	-	-	130	224
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR016B-8

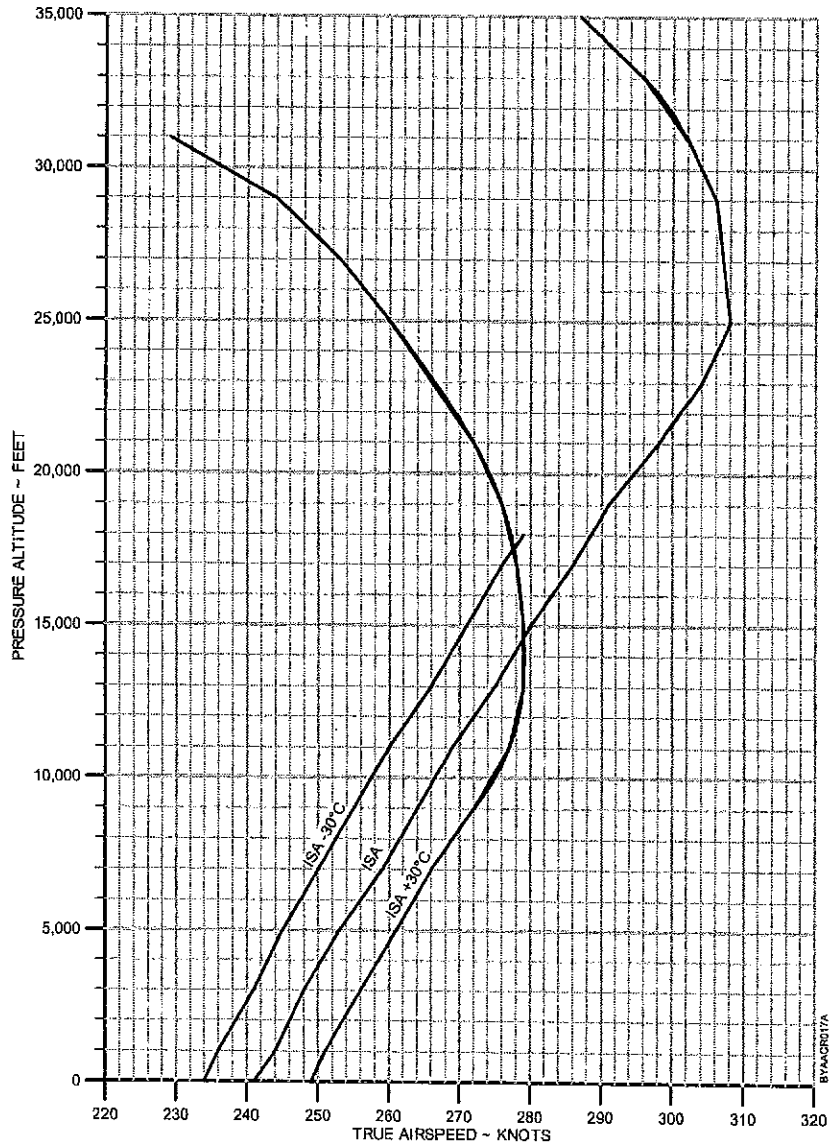
BY07D
072639AA AI

MAXIMUM CRUISE SPEEDS

1800 RPM

WEIGHT 11,000 LBS

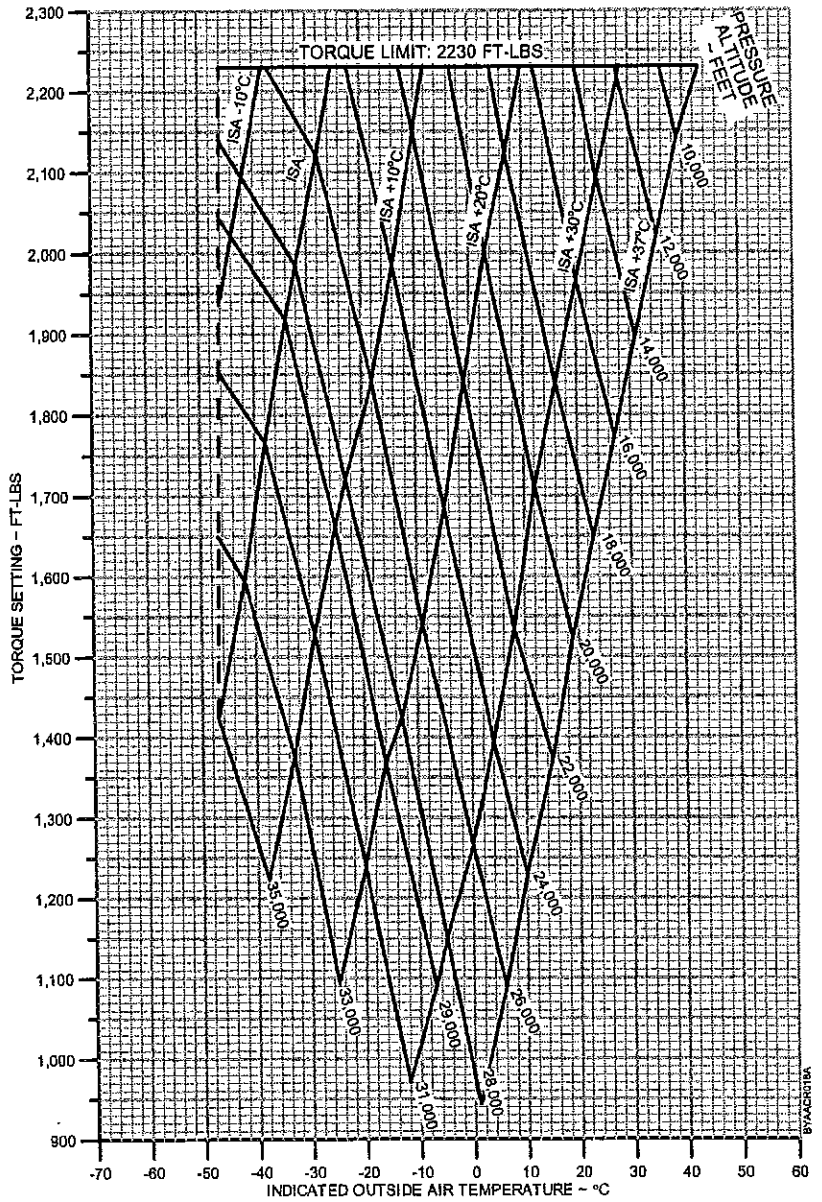
NOTE: DURING OPERATION WITH ICE VANES EXTENDED, TRUE
AIRSPEED WILL BE REDUCED APPROXIMATELY 45 KNOTS



MAXIMUM CRUISE POWER

1800 RPM

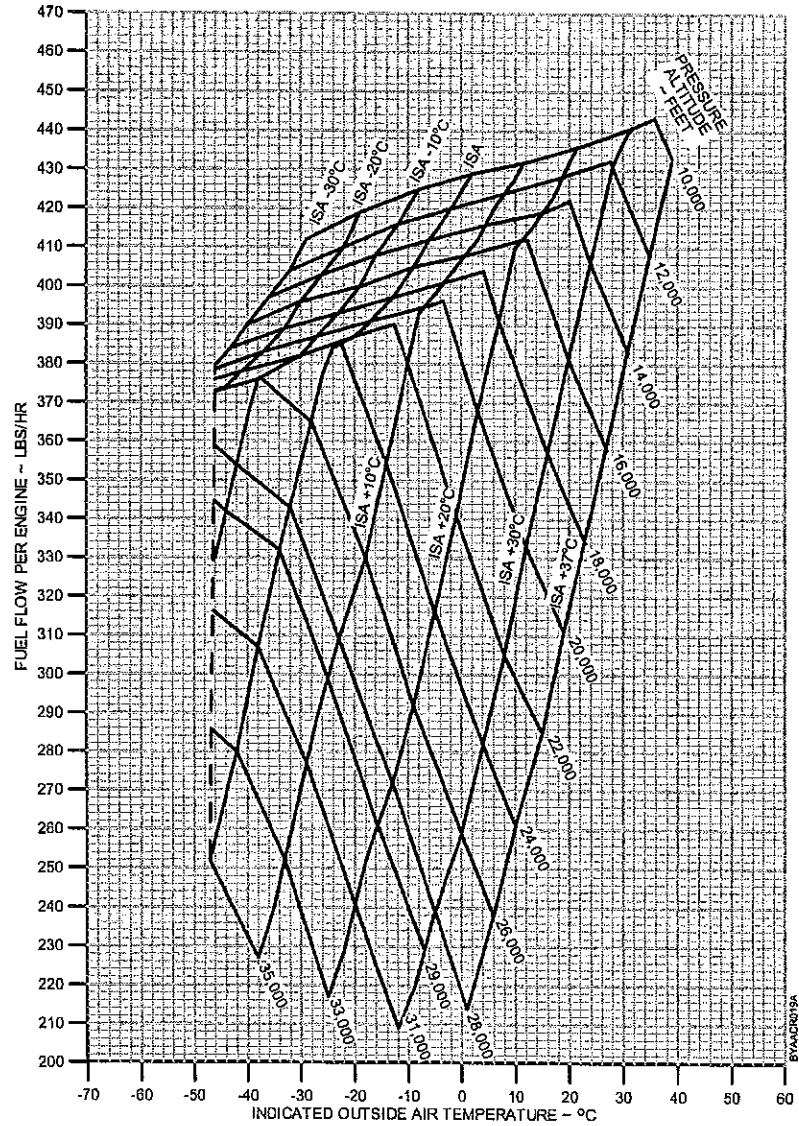
NOTE: DURING OPERATION WITH ICE VANES EXTENDED, TORQUE WILL DECREASE APPROXIMATELY 30%



FUEL FLOW AT MAXIMUM CRUISE POWER

1800 RPM

NOTE: DURING OPERATION WITH ICE VANES EXTENDED FUEL FLOW
WILL DECREASE APPROXIMATELY 20%



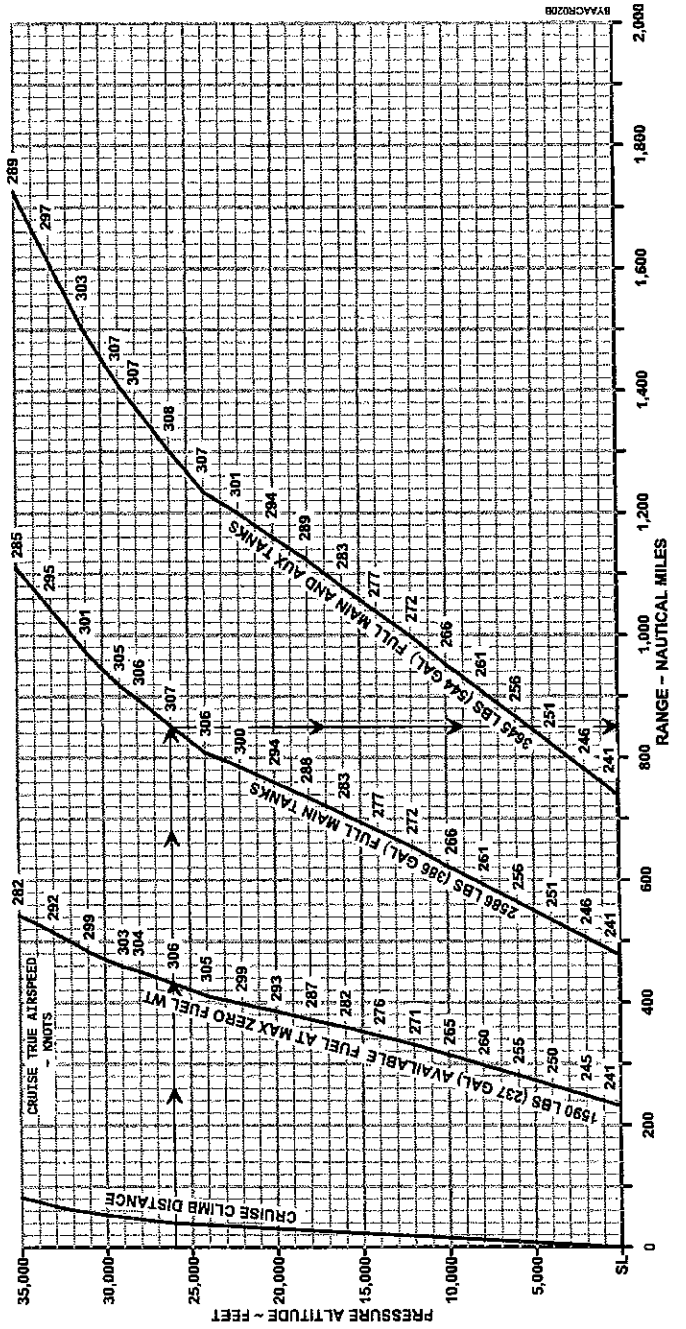
RANGE PROFILE - MAXIMUM CRUISE POWER

ASSOCIATED CONDITIONS:
 HEIGHT 12,500 LB. BEFORE ENGINE START
 FUEL DENSITY AVIATION KEROSENE
 ICE VAMES RETRACTED

EXAMPLE:
 PRESSURE ALTITUDE 26,000 FT
 FUEL RANGE 2585 LBS
 RANGE 850 NM

1800 RPM
 STANDARD DAY (ISA)
 ZERO WIND

NOTES: RANGE INCLUDES START, TAXI, CLIMB, DESCENT, AND
 45 MINUTES RESERVE FUEL AT MAXIMUM RANGE POWER.



MAXIMUM RANGE POWER

**1700 RPM
ISA - 30 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		12,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	-12	-15	1451	365	730	191
2,000	-16	-19	1410	347	694	192
4,000	-19	-23	1370	331	662	194
6,000	-23	-27	1327	315	630	195
8,000	-27	-31	1293	300	600	196
10,000	-31	-35	1261	286	572	197
12,000	-35	-39	1241	275	550	199
14,000	-39	-43	1232	266	532	202
16,000	-43	-47	1228	258	516	205
18,000	-47	-51	1235	251	502	210
20,000	-	-	-	-	-	-
22,000	-	-	-	-	-	-
24,000	-	-	-	-	-	-
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-1

BY07D
072609AA.A1

MAXIMUM RANGE POWER

**1700 RPM
 ISA - 30 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		11,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	-12	-15	1370	355	710	188
2,000	-16	-19	1326	337	674	189
4,000	-20	-23	1285	321	642	191
6,000	-24	-27	1240	304	608	191
8,000	-27	-31	1205	290	580	192
10,000	-31	-35	1172	276	552	194
12,000	-35	-39	1151	265	530	196
14,000	-39	-43	1135	255	510	198
16,000	-43	-47	1125	246	492	201
18,000	-47	-51	1127	238	476	204
20,000	-	-	-	-	-	-
22,000	-	-	-	-	-	-
24,000	-	-	-	-	-	-
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-2

BY07D
 072641AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA - 30 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	-12	-15	1292	346	692	185
2,000	-16	-19	1245	328	656	186
4,000	-20	-23	1199	311	622	187
6,000	-24	-27	1152	294	588	188
8,000	-28	-31	1115	279	558	189
10,000	-32	-35	1080	265	530	190
12,000	-35	-39	1059	254	508	191
14,000	-39	-43	1040	243	486	193
16,000	-43	-47	1030	234	468	196
18,000	-47	-51	1027	227	454	199
20,000	-	-	-	-	-	-
22,000	-	-	-	-	-	-
24,000	-	-	-	-	-	-
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-3

BY07D
072642AA.AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA - 20 C**

MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		12,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	-2	-5	1470	370	740	194
2,000	-5	-9	1430	353	706	196
4,000	-9	-13	1390	336	672	197
6,000	-13	-17	1355	321	642	198
8,000	-17	-21	1322	307	614	200
10,000	-21	-25	1295	294	588	202
12,000	-25	-29	1277	283	566	204
14,000	-29	-33	1268	273	546	207
16,000	-33	-37	1269	266	532	211
18,000	-36	-41	1280	260	520	216
20,000	-40	-45	1300	255	510	222
22,000	-44	-49	1313	251	502	227
24,000	-48	-53	1315	246	492	232
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-4

BY97D
 072643AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA - 20 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

WEIGHT			11,000 POUNDS			
Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	-2	-5	1396	361	722	192
2,000	-6	-9	1355	344	688	193
4,000	-9	-13	1314	327	654	194
6,000	-13	-17	1278	312	624	196
8,000	-17	-21	1240	297	594	197
10,000	-21	-25	1207	283	566	198
12,000	-25	-29	1181	271	542	200
14,000	-29	-33	1168	262	524	203
16,000	-33	-37	1160	253	506	206
18,000	-37	-41	1164	246	492	210
20,000	-40	-45	1178	241	482	215
22,000	-44	-49	1196	237	474	221
24,000	-48	-53	1209	233	466	227
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-5

BY070
072644AA, AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA - 20 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

WEIGHT			10,000 POUNDS			
Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	-2	-5	1323	352	704	189
2,000	-6	-9	1280	335	670	190
4,000	-10	-13	1239	318	636	191
6,000	-13	-17	1199	303	606	193
8,000	-17	-21	1158	287	574	194
10,000	-21	-25	1122	273	546	195
12,000	-25	-29	1095	261	522	196
14,000	-29	-33	1075	250	500	198
16,000	-33	-37	1061	241	482	201
18,000	-37	-41	1060	234	468	204
20,000	-41	-45	1063	227	454	209
22,000	-44	-49	1076	223	446	214
24,000	-48	-53	1092	220	440	220
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-6

BY07D
 072645AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA - 10 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		12,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	9	5	1478	375	750	197
2,000	5	1	1448	359	718	199
4,000	1	-3	1412	343	686	200
6,000	-3	-7	1381	328	656	202
8,000	-7	-11	1355	315	630	204
10,000	-11	-15	1329	301	602	206
12,000	-15	-19	1312	290	580	209
14,000	-19	-23	1304	281	562	212
16,000	-22	-27	1312	274	548	217
18,000	-26	-31	1327	269	538	222
20,000	-30	-35	1337	263	526	228
22,000	-34	-39	1334	257	514	232
24,000	-37	-43	1307	249	498	234
26,000	-41	-47	1285	241	482	236
28,000	-45	-50	1325	241	482	245
29,000	-47	-52	1355	242	484	250
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-7

BY07D
072646AA.AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA - 10 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		11,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	8	5	1409	366	732	195
2,000	5	1	1375	350	700	196
4,000	1	-3	1333	333	666	198
6,000	-3	-7	1298	318	636	199
8,000	-7	-11	1270	304	608	201
10,000	-11	-15	1238	290	580	203
12,000	-15	-19	1214	278	556	205
14,000	-19	-23	1201	269	538	207
16,000	-23	-27	1199	261	522	211
18,000	-26	-31	1205	254	508	216
20,000	-30	-35	1221	249	498	221
22,000	-34	-39	1234	245	490	227
24,000	-38	-43	1237	240	480	232
26,000	-41	-47	1211	232	464	234
28,000	-45	-50	1184	223	446	236
29,000	-47	-52	1194	222	444	239
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-8

BY07D
 072647AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA - 10 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	8	5	1338	358	716	192
2,000	4	1	1303	341	682	194
4,000	1	-3	1260	324	648	195
6,000	-3	-7	1224	309	618	196
8,000	-7	-11	1191	295	590	198
10,000	-11	-15	1153	280	560	199
12,000	-15	-19	1123	268	536	200
14,000	-19	-23	1106	257	514	203
16,000	-23	-27	1093	248	496	206
18,000	-27	-31	1094	241	482	210
20,000	-30	-35	1102	235	470	215
22,000	-34	-39	1118	232	464	221
24,000	-38	-43	1129	227	454	226
26,000	-42	-47	1136	223	446	232
28,000	-45	-50	1119	215	430	235
29,000	-47	-52	1105	211	422	235
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-9

8Y07D
072648AA, A1

MAXIMUM RANGE POWER

**1700 RPM
 ISA**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

WEIGHT			12,000 POUNDS			
Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	19	15	1475	379	758	199
2,000	15	11	1445	362	724	201
4,000	11	7	1425	347	694	204
6,000	7	3	1398	333	666	206
8,000	3	-1	1372	320	640	208
10,000	-1	-5	1352	307	614	210
12,000	-5	-9	1340	297	594	213
14,000	-8	-13	1343	289	578	218
16,000	-12	-17	1350	282	564	223
18,000	-16	-21	1356	275	550	227
20,000	-20	-25	1358	269	538	232
22,000	-24	-29	1328	260	520	234
24,000	-27	-33	1307	252	504	236
26,000	-31	-37	1358	253	506	246
28,000	-35	-40	1377	250	500	252
29,000	-37	-42	1357	246	492	253
31,000	-41	-46	1298	234	468	251
33,000	-44	-50	1312	232	464	255
35,000	-48	-54	1303	228	456	257

BYAACR021A-10

BY07D
 072649AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		11,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	19	15	1401	369	738	196
2,000	15	11	1369	352	704	198
4,000	11	7	1344	337	674	200
6,000	7	3	1313	323	646	202
8,000	3	-1	1285	309	618	204
10,000	-1	-5	1259	296	592	206
12,000	-5	-9	1237	284	568	209
14,000	-9	-13	1226	275	550	212
16,000	-12	-17	1231	267	534	216
18,000	-16	-21	1243	262	524	222
20,000	-20	-25	1251	256	512	227
22,000	-24	-29	1251	250	500	231
24,000	-27	-33	1228	242	484	234
26,000	-31	-37	1205	234	468	236
28,000	-35	-40	1221	231	462	243
29,000	-37	-42	1257	233	466	249
31,000	-40	-46	1251	228	456	253
33,000	-45	-50	1199	218	436	251
35,000	-48	-54	1211	215	430	256

BYAACR021A-11

BY07D
072650AA, AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	18	15	1337	361	722	194
2,000	15	11	1300	344	688	196
4,000	11	7	1269	328	656	197
6,000	7	3	1233	313	626	199
8,000	3	-1	1204	299	598	201
10,000	-1	-5	1173	285	570	203
12,000	-5	-9	1145	273	546	204
14,000	-9	-13	1129	263	526	207
16,000	-13	-17	1122	254	508	210
18,000	-16	-21	1122	247	494	215
20,000	-20	-25	1138	242	484	220
22,000	-24	-29	1149	238	476	226
24,000	-28	-33	1154	233	466	231
26,000	-31	-37	1135	226	452	234
28,000	-35	-40	1111	218	436	236
29,000	-37	-42	1101	214	428	238
31,000	-41	-46	1137	214	428	247
33,000	-44	-50	1144	210	420	253
35,000	-48	-54	1103	201	402	252

BYAACR021A-12

BY07D
 072651AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA + 10 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

WEIGHT			12,000 POUNDS			
Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	29	25	1480	384	768	202
2,000	25	21	1447	367	734	204
4,000	21	17	1428	352	704	206
6,000	17	13	1412	339	678	209
8,000	13	9	1398	326	652	212
10,000	9	5	1383	314	628	215
12,000	6	1	1386	306	612	220
14,000	2	-3	1376	296	592	223
16,000	-2	-7	1354	286	572	226
18,000	-6	-11	1318	274	548	227
20,000	-10	-15	1283	263	526	228
22,000	-14	-19	1286	258	516	232
24,000	-17	-23	1346	260	520	242
26,000	-21	-27	1349	256	512	247
28,000	-25	-30	1345	251	502	251
29,000	-26	-32	1359	250	500	255
31,000	-30	-36	1321	241	482	255
33,000	-34	-40	1306	236	472	256
35,000	-	-	-	-	-	-

BYAACR021A-13

BY07D
072652AA,AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA + 10 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

WEIGHT			11,000 POUNDS			
Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	29	25	1407	374	748	199
2,000	25	21	1367	356	712	200
4,000	21	17	1342	341	682	203
6,000	17	13	1325	327	654	205
8,000	13	9	1304	314	628	208
10,000	9	5	1284	301	602	211
12,000	6	1	1282	293	586	215
14,000	2	-3	1277	284	568	219
16,000	-2	-7	1276	276	552	223
18,000	-6	-11	1260	266	532	226
20,000	-10	-15	1229	256	512	228
22,000	-14	-19	1179	245	490	227
24,000	-18	-23	1193	241	482	233
26,000	-21	-27	1244	243	486	243
28,000	-25	-30	1251	239	478	248
29,000	-27	-32	1233	234	468	248
31,000	-30	-36	1250	231	462	254
33,000	-34	-40	1205	222	444	254
35,000	-38	-44	1219	220	440	258

BYAACR021A-14

BY07D
 072653AA.A1

MAXIMUM RANGE POWER

1700 RPM
ISA + 10 C

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	29	25	1338	365	730	196
2,000	25	21	1294	347	694	198
4,000	21	17	1265	331	662	200
6,000	17	13	1242	317	634	202
8,000	13	9	1220	304	608	204
10,000	9	5	1196	290	580	207
12,000	5	1	1182	281	562	210
14,000	1	-3	1171	271	542	213
16,000	-2	-7	1172	263	526	218
18,000	-6	-11	1171	256	512	222
20,000	-10	-15	1161	248	496	226
22,000	-14	-19	1129	238	476	227
24,000	-18	-23	1090	229	458	228
26,000	-21	-27	1094	224	448	232
28,000	-25	-30	1140	225	450	242
29,000	-27	-32	1146	223	446	245
31,000	-31	-36	1137	217	434	249
33,000	-34	-40	1148	214	428	255
35,000	-38	-44	1091	203	406	252

BYAACR021A-15

BY07D
072651AA.AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA + 20 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

WEIGHT			12,000 POUNDS			
Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	39	35	1476	389	778	204
2,000	35	31	1442	371	742	206
4,000	31	27	1421	356	712	208
6,000	27	23	1408	342	684	211
8,000	23	19	1398	330	660	215
10,000	20	15	1381	317	634	218
12,000	16	11	1364	306	612	220
14,000	12	7	1340	294	588	223
16,000	8	3	1322	284	568	225
18,000	4	-1	1333	279	558	230
20,000	1	-5	1345	274	548	236
22,000	-3	-9	1332	267	534	239
24,000	-7	-13	1371	267	534	248
26,000	-11	-17	1359	261	522	250
28,000	-14	-20	1351	255	510	254
29,000	-16	-22	1354	253	506	256
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-16

BY07D
 072655AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA + 20 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		11,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	39	35	1403	379	758	201
2,000	35	31	1370	361	722	203
4,000	31	27	1343	346	692	205
6,000	27	23	1329	332	664	208
8,000	23	19	1313	320	640	211
10,000	19	15	1299	307	614	215
12,000	16	11	1289	297	594	218
14,000	12	7	1271	286	572	221
16,000	8	3	1243	275	550	223
18,000	4	-1	1218	265	530	225
20,000	0	-5	1214	257	514	228
22,000	-3	-9	1239	255	510	235
24,000	-7	-13	1221	248	496	238
26,000	-11	-17	1250	247	494	246
28,000	-15	-20	1246	241	482	250
29,000	-17	-22	1244	239	478	252
31,000	-20	-26	1258	236	472	257
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

8YAACR021A-17

BY670
072656AA.A1

MAXIMUM RANGE POWER

**1700 RPM
 ISA + 20 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	39	35	1339	371	742	199
2,000	35	31	1298	352	704	200
4,000	31	27	1265	335	670	202
6,000	27	23	1246	321	642	205
8,000	23	19	1227	308	616	207
10,000	19	15	1206	295	590	210
12,000	15	11	1201	286	572	214
14,000	12	7	1198	277	554	218
16,000	8	3	1180	267	534	221
18,000	4	-1	1146	256	512	222
20,000	0	-5	1115	245	490	224
22,000	-4	-9	1126	241	482	229
24,000	-7	-13	1142	238	476	235
26,000	-11	-17	1110	229	458	237
28,000	-15	-20	1151	229	458	246
29,000	-17	-22	1152	227	454	248
31,000	-21	-26	1134	220	440	251
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-1B

BY07D
 072657AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA + 30 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		12,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	49	45	1484	394	788	206
2,000	45	41	1442	375	750	208
4,000	41	37	1417	359	718	210
6,000	37	33	1392	344	688	212
8,000	33	29	1378	332	664	215
10,000	30	25	1375	320	640	219
12,000	26	21	1363	309	618	222
14,000	22	17	1360	300	600	226
16,000	18	13	1342	290	580	229
18,000	14	9	1320	280	560	231
20,000	11	5	1315	273	546	235
22,000	7	1	1359	274	548	244
24,000	3	-3	1376	271	542	250
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-19

BY07D
072696AA, AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA + 30 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		11,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	49	45	1410	384	768	204
2,000	45	41	1368	366	732	205
4,000	41	37	1339	349	698	207
6,000	37	33	1310	334	668	209
8,000	33	29	1290	320	640	212
10,000	29	25	1283	309	618	215
12,000	26	21	1263	297	594	218
14,000	22	17	1257	287	574	222
16,000	18	13	1256	279	558	226
18,000	14	9	1245	270	540	229
20,000	10	5	1218	260	520	231
22,000	7	1	1246	259	518	238
24,000	3	-3	1247	254	508	243
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-20

BY07D
 072697AA.AI

MAXIMUM RANGE POWER

**1700 RPM
ISA + 30 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	49	45	1339	375	750	201
2,000	45	41	1297	356	712	203
4,000	41	37	1267	340	680	205
6,000	37	33	1240	325	650	207
8,000	33	29	1214	311	622	209
10,000	29	25	1201	298	596	212
12,000	25	21	1179	286	572	214
14,000	22	17	1166	276	552	218
16,000	18	13	1155	266	532	221
18,000	14	9	1154	259	518	225
20,000	10	5	1145	251	502	229
22,000	6	1	1125	244	488	231
24,000	3	-3	1152	242	484	239
26,000	-1	-7	1135	235	470	242
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-21

BY07D
072698AA.AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA + 37 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		12,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	56	52	1470	396	792	207
2,000	52	48	1446	379	758	209
4,000	48	44	1429	364	728	212
6,000	44	40	1416	350	700	215
8,000	41	36	1405	338	676	219
10,000	37	32	1383	324	648	221
12,000	33	28	1363	312	624	224
14,000	29	24	1342	301	602	226
16,000	25	20	1328	291	582	229
18,000	21	16	1346	285	570	235
20,000	18	12	1347	279	558	240
22,000	-	-	-	-	-	-
24,000	-	-	-	-	-	-
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-22

8Y07D
 072699AA.AI

MAXIMUM RANGE POWER

1700 RPM
ISA + 37 C

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		11,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	56	52	1392	385	770	204
2,000	52	48	1361	368	736	206
4,000	48	44	1338	352	704	209
6,000	44	40	1320	338	676	211
8,000	40	36	1297	324	648	214
10,000	37	32	1275	310	620	216
12,000	33	28	1277	301	602	221
14,000	29	24	1263	291	582	224
16,000	25	20	1241	280	560	226
18,000	21	16	1221	270	540	228
20,000	17	12	1240	265	530	234
22,000	14	8	1230	259	518	238
24,000	-	-	-	-	-	-
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-23

BY07D
072700AA.AI

MAXIMUM RANGE POWER

**1700 RPM
 ISA + 37 C**

NOTE: DURING OPERATION WITH ICE VANES EXTENDED, IN ORDER TO MAINTAIN MAXIMUM RANGE CONFIGURATION, RESET POWER TO HANDBOOK VALUE. FUEL FLOW WILL INCREASE APPROXIMATELY 20 LBS/HR/ENG AND TRUE AIRSPEED WILL REMAIN UNCHANGED.

Pressure Altitude	WEIGHT		10,000 POUNDS			
	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	TAS
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	KNOTS
SL	56	52	1323	376	752	202
2,000	52	48	1290	358	716	203
4,000	48	44	1263	342	684	206
6,000	44	40	1236	327	654	208
8,000	40	36	1212	313	626	210
10,000	36	32	1184	298	596	212
12,000	33	28	1165	287	574	215
14,000	29	24	1160	277	554	219
16,000	25	20	1157	269	538	223
18,000	21	16	1138	259	518	225
20,000	17	12	1128	251	502	229
22,000	14	8	1135	247	494	234
24,000	10	4	1141	243	486	239
26,000	-	-	-	-	-	-
28,000	-	-	-	-	-	-
29,000	-	-	-	-	-	-
31,000	-	-	-	-	-	-
33,000	-	-	-	-	-	-
35,000	-	-	-	-	-	-

BYAACR021A-24

BY07D
 072701AA.AI

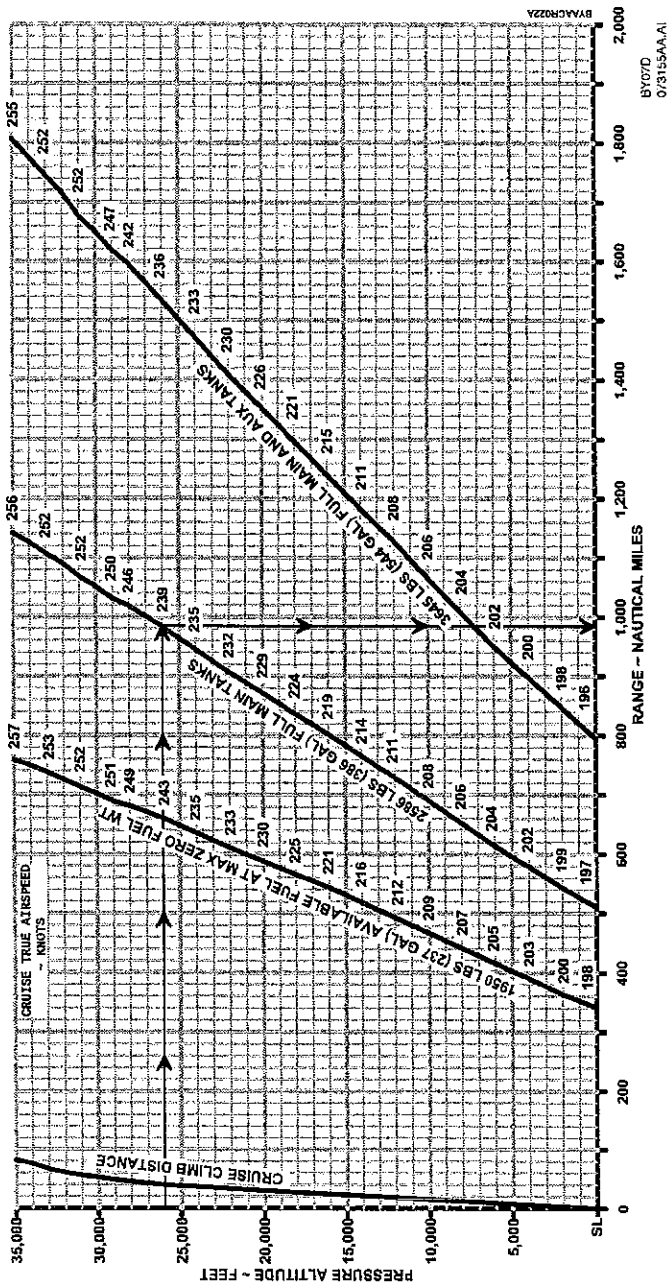
RANGE PROFILE - MAXIMUM RANGE POWER

ASSOCIATED CONDITIONS:
 WEIGHT..... 12,500 LB BEFORE ENGINE START
 FUEL..... AVIATION KEROSENE
 FUEL DENSITY..... 6.7 LB/GAL
 ICE VANES..... RETRACTED

1700 RPM
 STANDARD DAY (ISA)
 ZERO WIND

NOTES: RANGE INCLUDES START, TAXI, CLIMB, DESCENT, AND
 45 MINUTES RESERVE FUEL AT MAXIMUM RANGE POWER.

EXAMPLE:
 PRESSURE ALTITUDE..... 26,000 FT
 FUEL..... 2886 LBS
 RANGE..... 865 NM



THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

NOTES

ONE ENGINE INOPERATIVE
MAXIMUM CRUISE POWER

1900 RPM

DURING OPERATION WITH ICE VANES EXTENDED , TORQUE WILL DECREASE APPROXIMATELY 500 FT-LB. IF HANDBOOK POWER IS NOT OR CANNOT BE RESET, TRUE AIRSPEED WILL DECREASE APPROXIMATELY 30 KNOTS AND FUEL FLOW WILL DECREASE APPROXIMATELY 50 LB/HR/ENG. IF HANDBOOK POWER IS RESET, TRUE AIRSPEED WILL BE UNCHANGED AND FUEL FLOW WILL INCREASE APPROXIMATELY 50 LB/HR/ENG.

IOAT, TORQUE AND FUEL FLOW BASED ON 11,000 LB.

BYAACR027A

BY07D
073265AA.AJ

**ONE ENGINE INOPERATIVE
MAXIMUM CRUISE POWER**

**1900 RPM
ISA - 30 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	-12	-15	2,230	422	422	194	185	196	186	198	188
2,000	-16	-19	2,230	419	419	192	188	194	189	195	191
4,000	-20	-23	2,230	416	416	190	191	192	193	193	194
6,000	-23	-27	2,230	413	413	187	194	189	196	191	197
8,000	-27	-31	2,230	411	411	185	197	187	199	189	201
10,000	-31	-35	2,230	409	409	182	200	185	202	187	204
12,000	-35	-39	2,230	408	408	180	203	182	205	184	208
14,000	-39	-43	2,230	408	408	177	206	179	209	181	211
16,000	-43	-47	2,230	407	407	173	208	176	212	178	214
18,000	-46	-51	2,230	407	407	170	211	173	214	176	217
20,000	-	-	-	-	-	-	-	-	-	-	-
22,000	-	-	-	-	-	-	-	-	-	-	-
24,000	-	-	-	-	-	-	-	-	-	-	-
26,000	-	-	-	-	-	-	-	-	-	-	-
28,000	-	-	-	-	-	-	-	-	-	-	-
29,000	-	-	-	-	-	-	-	-	-	-	-
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-1

BY07D
072702AA.AJ

**ONE ENGINE INOPERATIVE
 MAXIMUM CRUISE POWER**

**1900 RPM
 ISA - 20 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	-2	-5	2,230	434	434	192	186	194	188	195	189
2,000	-6	-9	2,230	429	429	190	189	192	191	193	192
4,000	-9	-13	2,230	425	425	187	192	189	194	191	196
6,000	-13	-17	2,230	422	422	185	195	187	197	189	199
8,000	-17	-21	2,230	419	419	182	198	185	201	187	203
10,000	-21	-25	2,230	417	417	180	201	182	204	184	206
12,000	-25	-29	2,230	415	415	177	204	180	207	182	209
14,000	-29	-33	2,230	414	414	174	207	177	210	179	213
16,000	-32	-37	2,230	414	414	171	210	174	213	176	216
18,000	-36	-41	2,230	413	413	168	212	171	216	173	219
20,000	-40	-45	2,230	413	413	164	215	168	219	170	223
22,000	-44	-49	2,230	415	415	161	217	164	222	167	226
24,000	-48	-53	2,156	403	403	154	215	159	222	162	227
26,000	-	-	-	-	-	-	-	-	-	-	-
28,000	-	-	-	-	-	-	-	-	-	-	-
29,000	-	-	-	-	-	-	-	-	-	-	-
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-2

BY07D
 072703AA.AJ

**ONE ENGINE INOPERATIVE
MAXIMUM CRUISE POWER**

**1900 RPM
ISA - 10 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	8	5	2,230	447	447	190	187	192	189	193	190
2,000	4	1	2,230	439	439	187	190	189	192	191	194
4,000	1	-3	2,230	436	436	185	193	187	195	189	197
6,000	-3	-7	2,230	432	432	183	196	185	199	187	201
8,000	-7	-11	2,230	429	429	180	200	182	202	184	204
10,000	-11	-15	2,230	426	426	178	203	180	205	182	208
12,000	-15	-19	2,230	424	424	175	206	177	208	179	211
14,000	-19	-23	2,230	422	422	171	208	174	212	177	214
16,000	-22	-27	2,230	421	421	168	211	171	215	174	218
18,000	-26	-31	2,230	421	421	165	214	168	218	171	221
20,000	-30	-35	2,230	420	420	162	216	165	221	168	225
22,000	-34	-39	2,220	420	420	157	217	161	223	165	228
24,000	-38	-43	2,055	391	391	147	210	153	218	157	224
26,000	-42	-47	1,900	364	364	135	200	143	212	149	220
28,000	-47	-50	1,756	339	339	-	-	132	203	140	215
29,000	-49	-52	1,683	326	326	-	-	124	196	135	211
31,000	-50	-54	1,638	317	317	-	-	-	-	129	206
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-3

BY07D
072704AA.AI

**ONE ENGINE INOPERATIVE
MAXIMUM CRUISE POWER**

**1900 RPM
ISA**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	18	15	2,230	464	464	188	188	189	190	191	192
2,000	14	11	2,230	455	455	185	191	187	193	189	195
4,000	11	7	2,230	449	449	183	194	185	197	187	199
6,000	7	3	2,230	443	443	180	198	183	200	185	202
8,000	3	-1	2,230	439	439	178	201	180	204	182	206
10,000	-1	-5	2,230	435	435	175	204	178	207	180	209
12,000	-5	-9	2,230	432	432	172	207	175	210	177	213
14,000	-9	-13	2,230	431	431	169	210	172	213	175	216
16,000	-12	-17	2,230	429	429	166	212	169	216	172	219
18,000	-16	-21	2,230	428	428	163	215	166	219	169	223
20,000	-20	-25	2,230	428	428	159	217	163	222	166	226
22,000	-24	-29	2,115	408	408	151	213	156	220	160	225
24,000	-28	-33	1,951	380	380	139	204	146	214	151	221
26,000	-33	-37	1,802	353	353	-	-	136	206	142	216
28,000	-37	-40	1,668	329	329	-	-	122	193	133	210
29,000	-39	-42	1,627	320	320	-	-	-	-	128	205
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-4

BY07D
072705AA.AI

**ONE ENGINE INOPERATIVE
MAXIMUM CRUISE POWER**

**1900 RPM
ISA + 10 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	28	25	2,230	484	484	185	189	187	191	189	193
2,000	25	21	2,230	474	474	183	192	185	195	187	196
4,000	21	17	2,230	467	467	181	195	183	198	185	200
6,000	17	13	2,230	461	461	178	199	180	201	182	203
8,000	13	9	2,230	456	456	175	202	178	204	180	207
10,000	9	5	2,230	450	450	172	205	175	208	177	210
12,000	5	1	2,230	448	448	169	207	172	211	175	214
14,000	2	-3	2,230	446	446	166	210	169	214	172	217
16,000	-2	-7	2,230	444	444	163	213	166	217	169	221
18,000	-6	-11	2,136	425	425	156	210	160	216	164	221
20,000	-10	-15	2,006	400	400	147	205	153	213	157	218
22,000	-15	-19	1,842	371	371	134	194	142	206	148	213
24,000	-19	-23	1,690	344	344	-	-	131	196	138	207
26,000	-23	-27	1,569	321	321	-	-	-	-	128	199
28,000	-27	-30	1,450	299	299	-	-	-	-	114	185
29,000	-	-	-	-	-	-	-	-	-	-	-
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-5

BY07D
072706AA.AI

**ONE ENGINE INOPERATIVE
 MAXIMUM CRUISE POWER**

**1900 RPM
 ISA + 20 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	38	35	2,230	512	512	183	190	185	192	187	194
2,000	35	31	2,230	501	501	181	193	183	196	185	198
4,000	31	27	2,230	492	492	178	196	181	199	183	201
6,000	27	23	2,230	485	485	176	199	178	202	180	205
8,000	23	19	2,230	478	478	173	202	175	205	178	208
10,000	19	15	2,230	472	472	170	205	173	208	175	211
12,000	15	11	2,177	459	459	165	205	168	209	171	213
14,000	11	7	2,060	433	433	157	203	161	208	165	212
16,000	7	3	1,943	408	408	149	199	154	205	158	210
18,000	3	-1	1,826	383	383	140	193	146	201	151	208
20,000	-1	-5	1,704	359	359	127	181	137	195	143	204
22,000	-5	-9	1,551	331	331	-	-	123	182	133	196
24,000	-9	-13	1,416	306	306	-	-	-	-	119	183
26,000	-	-	-	-	-	-	-	-	-	-	-
28,000	-	-	-	-	-	-	-	-	-	-	-
29,000	-	-	-	-	-	-	-	-	-	-	-
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-6

BY07D
 072707AA.AI

**ONE ENGINE INOPERATIVE
MAXIMUM CRUISE POWER**

**1900 RPM
ISA + 30 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	48	45	2,230	541	541	181	191	183	193	185	195
2,000	45	41	2,230	527	527	179	194	181	197	183	199
4,000	41	37	2,230	518	518	176	197	179	200	181	202
6,000	37	33	2,166	496	496	171	198	174	201	176	204
8,000	33	29	2,082	472	472	165	197	169	201	171	204
10,000	29	25	1,997	448	448	159	196	163	200	166	204
12,000	25	21	1,884	422	422	151	192	156	198	160	202
14,000	21	17	1,769	397	397	142	187	148	194	153	200
16,000	17	13	1,650	371	371	131	178	139	189	145	196
18,000	12	9	1,526	345	345	-	-	128	180	136	191
20,000	9	5	1,418	322	322	-	-	-	-	126	183
22,000	-	-	-	-	-	-	-	-	-	-	-
24,000	-	-	-	-	-	-	-	-	-	-	-
26,000	-	-	-	-	-	-	-	-	-	-	-
28,000	-	-	-	-	-	-	-	-	-	-	-
29,000	-	-	-	-	-	-	-	-	-	-	-
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-7

BY07D
072706AA.AI

**ONE ENGINE INOPERATIVE
 MAXIMUM CRUISE POWER**

**1900 RPM
 ISA + 37 C**

NOTE: SEE NOTES AT BEGINNING OF ONE ENGINE INOPERATIVE MAXIMUM CRUISE SECTION.

Pressure Altitude	IOAT	OAT	Torque Per Engine	Fuel Flow Per Engine	Total Fuel Flow	Airspeed - Knots					
						12,000 lbs		11,000 lbs		10,000 lbs	
FEET	C	C	FT-LBS	LBS/HR	LBS/HR	IAS	TAS	IAS	TAS	IAS	TAS
SL	55	52	2,122	538	538	176	188	179	190	181	193
2,000	51	48	2,083	516	516	172	189	175	192	177	195
4,000	48	44	2,032	495	495	168	190	171	193	173	196
6,000	44	40	1,967	472	472	163	190	166	194	169	197
8,000	40	36	1,888	448	448	156	189	160	193	164	197
10,000	36	32	1,809	424	424	150	187	155	192	158	197
12,000	32	28	1,696	398	398	141	181	147	189	151	194
14,000	27	24	1,580	373	373	129	171	138	183	143	191
16,000	23	20	1,459	347	347	-	-	126	174	135	185
18,000	19	16	1,350	322	322	-	-	-	-	123	176
20,000	-	-	-	-	-	-	-	-	-	-	-
22,000	-	-	-	-	-	-	-	-	-	-	-
24,000	-	-	-	-	-	-	-	-	-	-	-
26,000	-	-	-	-	-	-	-	-	-	-	-
28,000	-	-	-	-	-	-	-	-	-	-	-
29,000	-	-	-	-	-	-	-	-	-	-	-
31,000	-	-	-	-	-	-	-	-	-	-	-
33,000	-	-	-	-	-	-	-	-	-	-	-
35,000	-	-	-	-	-	-	-	-	-	-	-

BYAACR027A-8

BY07D
 972709AA.AI

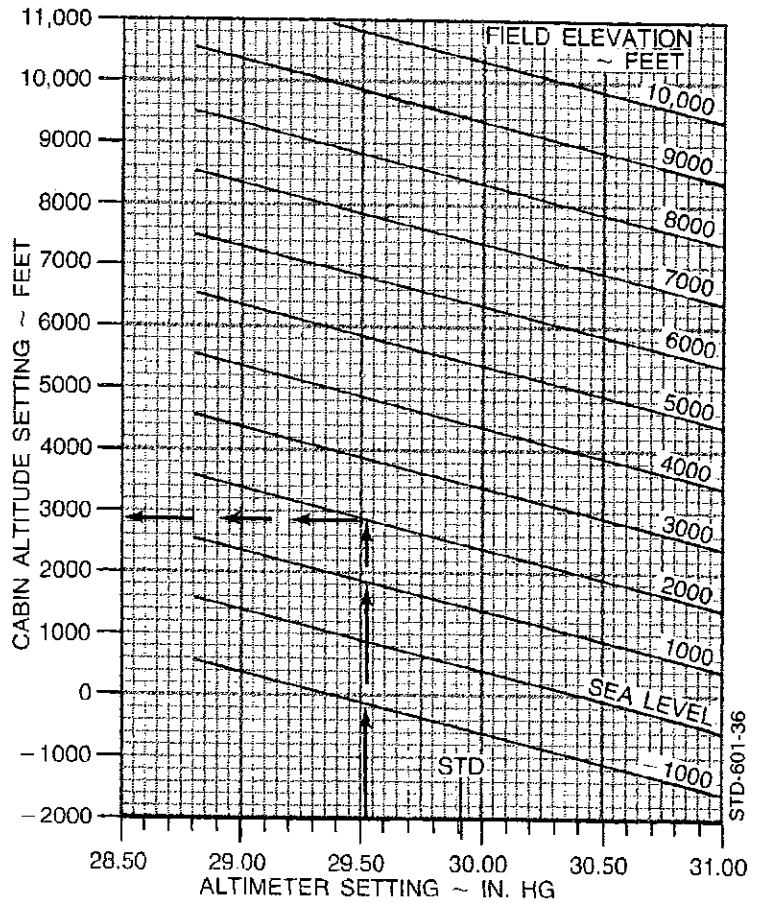
PRESSURIZATION CONTROLLER SETTING FOR LANDING

EXAMPLE

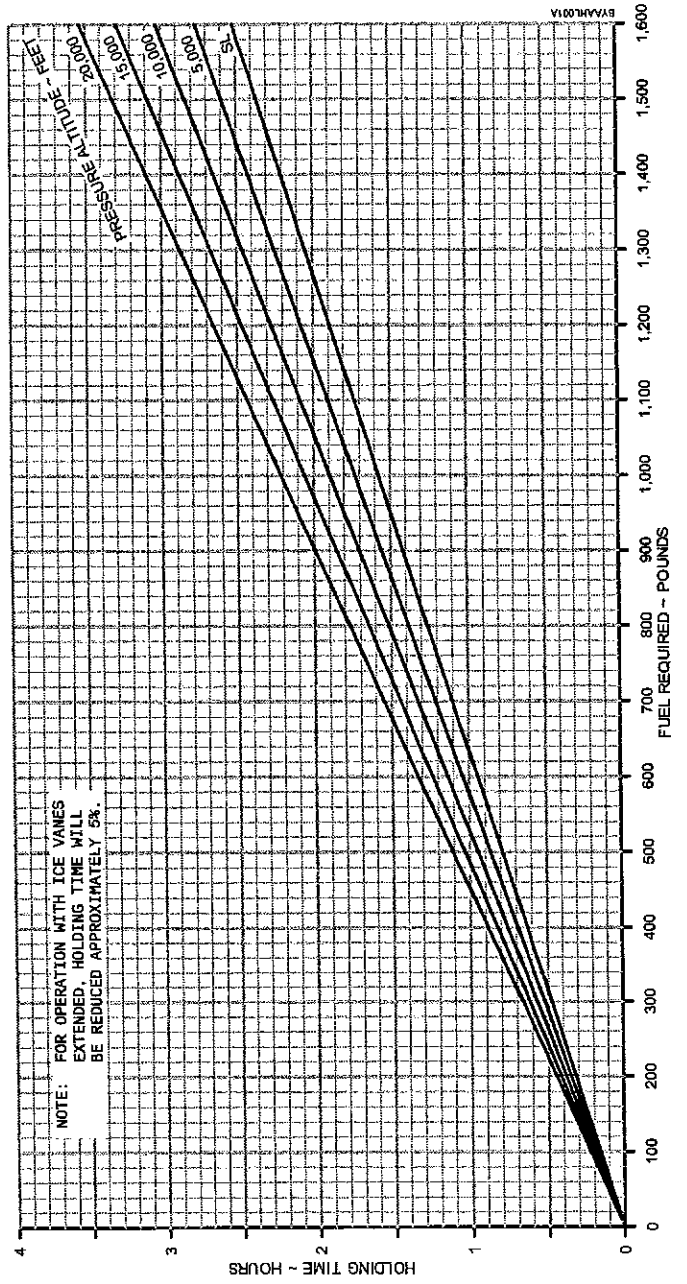
ALTIMETER SETTING 29.52 IN. HG

LANDING FIELD ELEVATION ... 2000 FT

CABIN ALTITUDE SETTING 2885 FT



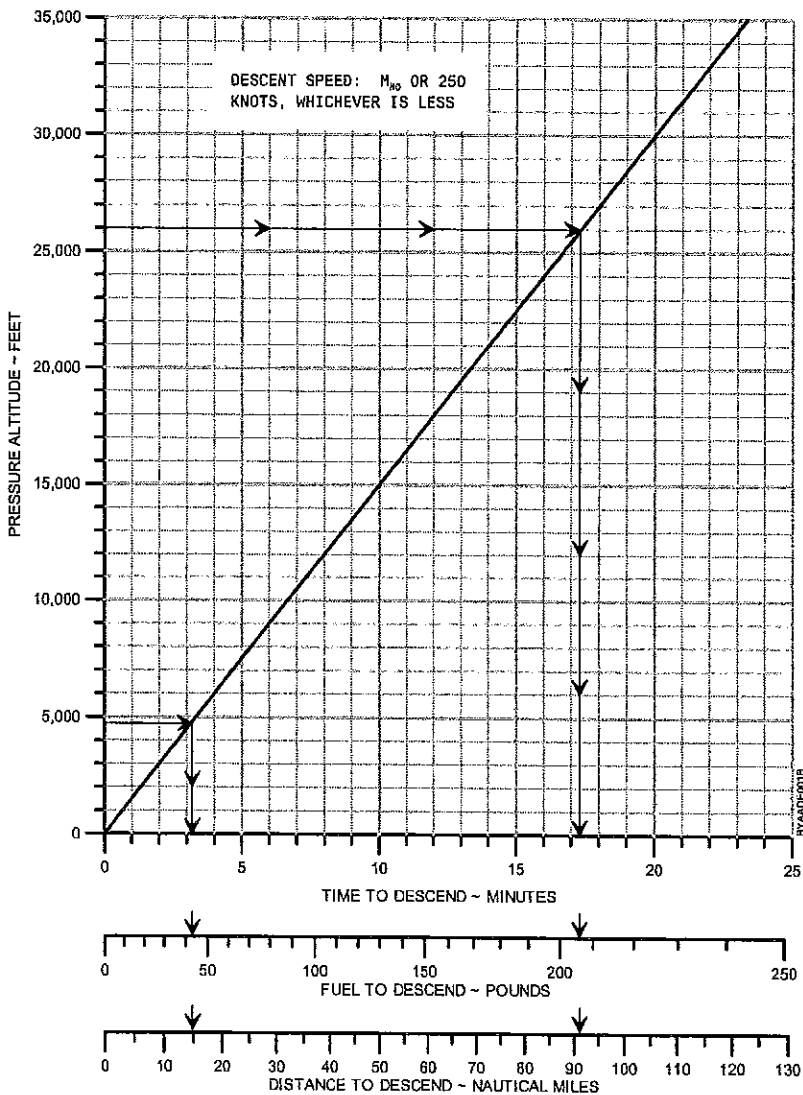
HOLDING TIME
 POWER SETTING
 1000 FT-LBS AT 1700 RPM
 APPLICABLE FOR ALL TEMPERATURES



TIME, FUEL, AND DISTANCE TO DESCEND

ASSOCIATED CONDITIONS:
 POWER.....AS REQUIRED TO DESCEND
 AT 1500 FT/MIN
 LANDING GEAR.....UP
 FLAPS.....UP
 PROPELLER SPEED..1700 RPM

EXAMPLE:
 INITIAL ALTITUDE.....28,000 FT
 FINAL ALTITUDE.....4,732 FT
 TIME TO DESCEND (17-3).....14 MIN
 FUEL TO DESCEND (208-42).....164 LB
 DISTANCE TO DESCEND (91-15)..76 NM

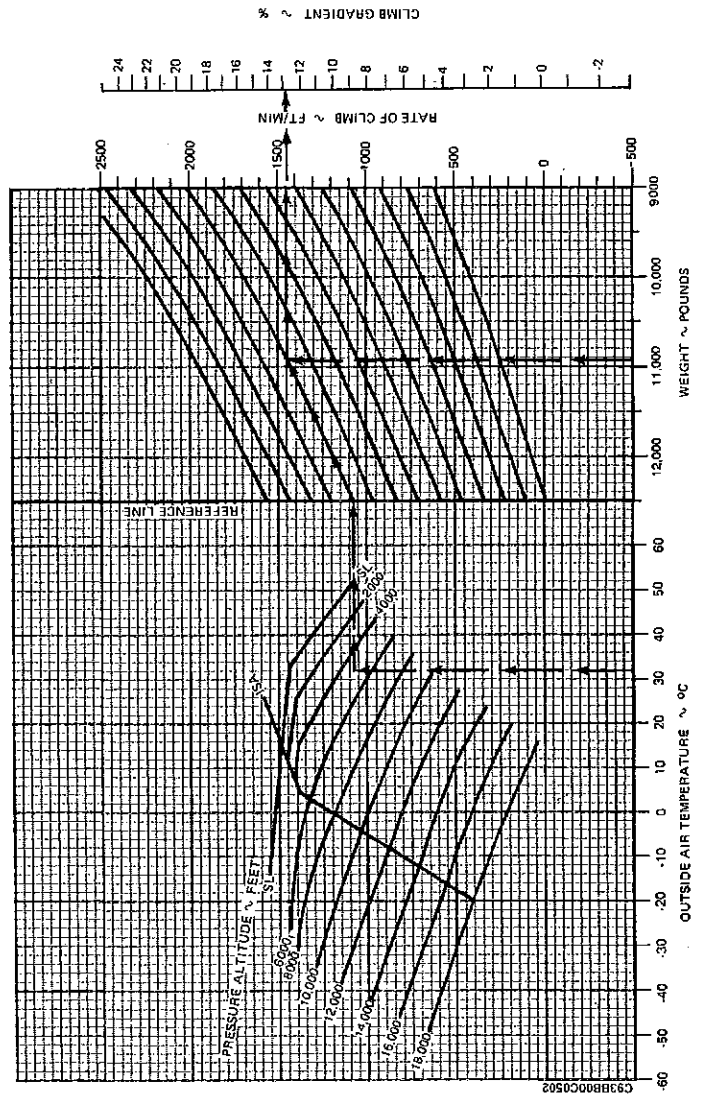


CLIMB — BALKED LANDING

ASSOCIATED CONDITIONS:
 POWER TAKE-OFF
 FLAPS DOWN
 LANDING GEAR . . . DOWN

NOTE: FOR OPERATION WITH ICE VANES EXTENDED, ADD
 10°C TO ACTUAL OAT BEFORE ENTERING GRAPH.

EXAMPLE:
 OAT 32°C
 PRESSURE ALTITUDE . . . 4732 FT
 WEIGHT 10,937 LBS
 RATE-OF-CLIMB 1450 FT/MIN
 CLIMB GRADIENT 12.8 %



NORMAL LANDING DISTANCE WITHOUT PROPELLER REVERSING - FLAPS DOWN

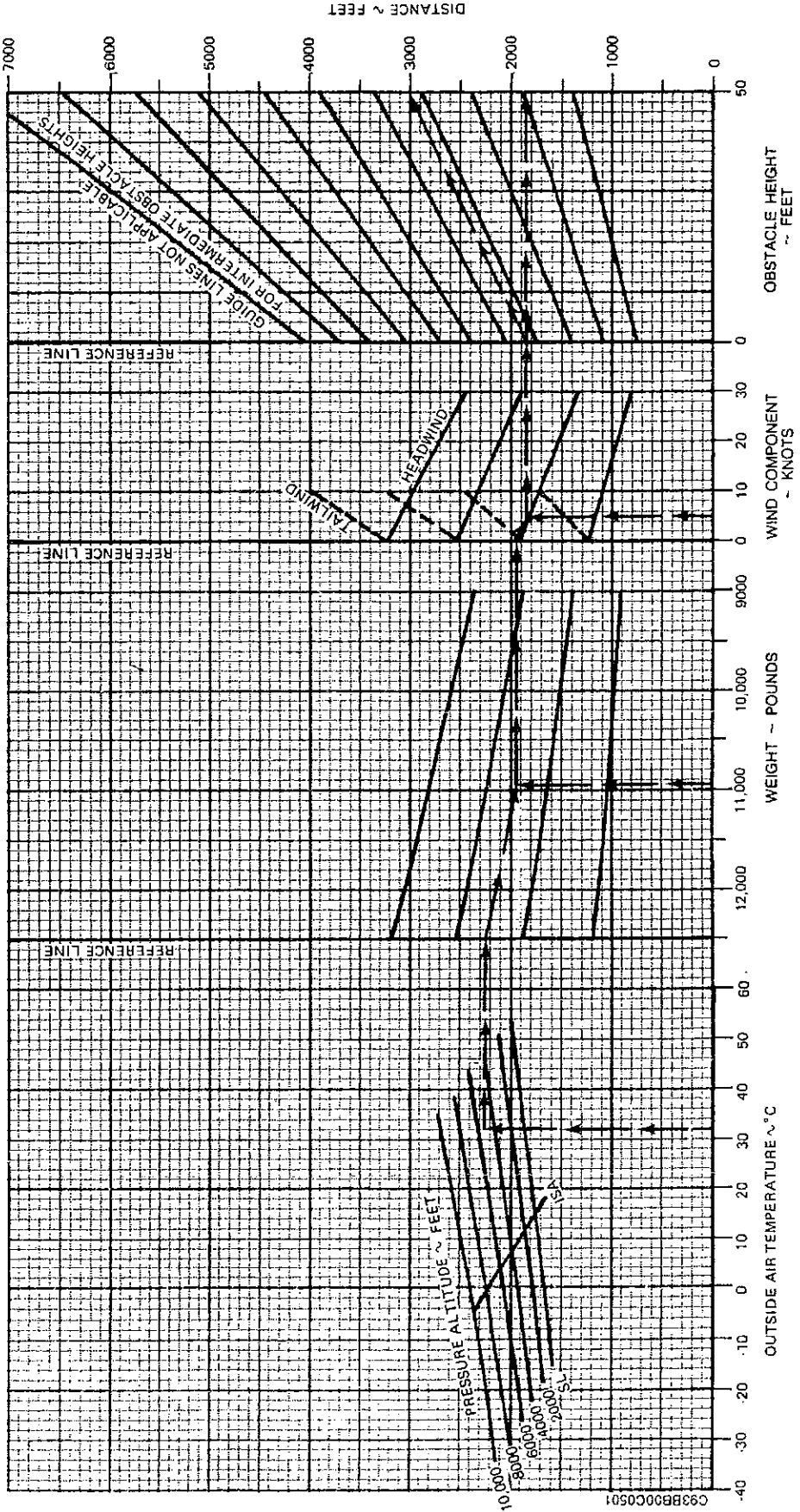
ASSOCIATED CONDITIONS:

- POWER RETARDED TO MAINTAIN 800 FT/MIN ON FINAL APPROACH
- FLAPS DOWN
- RUNWAY PAVED, LEVEL, DRY SURFACE
- APPROACH SPEED . . . IAS AS TABULATED
- BRAKING MAXIMUM

WEIGHT ~ POUNDS	APPROACH SPEED ~ KNOTS
12,500	103
12,000	102
11,000	99
10,000	96
9000	93

EXAMPLE:

- OAT 32°C
- PRESSURE ALTITUDE . . . 4732 FT
- LANDING WEIGHT 10,937 LBS
- HEADWIND COMPONENT . . . 4.7 KTS
- GROUND ROLL 1850 FT
- TOTAL OVER 50 FT OBSTACLE . . . 3006 FT
- APPROACH SPEED 99 KNOTS



LANDING DISTANCE WITHOUT PROPELLER REVERSING

FLAPS UP

ASSOCIATED CONDITIONS

POWER RETARDED TO MAINTAIN
 900 FT/MIN ON FINAL
 APPROACH
 PROPELLER CONTROLS FULL FORWARD
 FLAPS UP
 RUNWAY PAVED, LEVEL, DRY SURFACE
 APPROACH SPEED IAS AS TABULATED
 BRAKING MAXIMUM

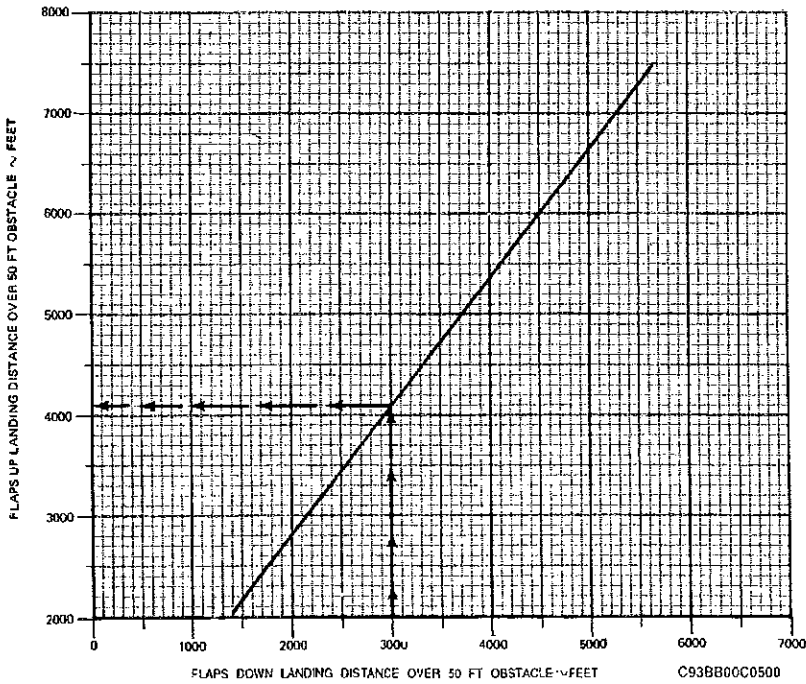
WEIGHT POUNDS	APPROACH SPEED ~ KNOTS
12,500	132
12,000	130
11,000	126
10,000	122
9000	117

EXAMPLE:

FLAPS DOWN LANDING
 DISTANCE OVER
 50 FT OBSTACLE 3000 FT
 LANDING WEIGHT 10,937LBS

FLAPS UP LANDING
 DISTANCE OVER
 50 FT OBSTACLE 4100 FT
 APPROACH SPEED 126 KNOTS

- NOTES: 1. LANDING WITH FLAPS FULL DOWN IS NORMAL PROCEDURE. USE THIS GRAPH WHEN IT IS NECESSARY TO LAND WITH FLAPS UP.
2. TO DETERMINE FLAPS-UP LANDING DISTANCE, READ FROM THE LANDING DISTANCE WITHOUT PROPELLER REVERSING - FLAPS DOWN GRAPH THE LANDING DISTANCE APPROPRIATE TO QAT, ALTITUDE, WEIGHT, WIND, AND 50-FT OBSTACLE. THEN ENTER THIS GRAPH WITH THE DERIVED VALUE AND READ THE FLAPS-UP LANDING DISTANCE.



LANDING DISTANCE WITH PROPELLER REVERSING - FLAPS DOWN

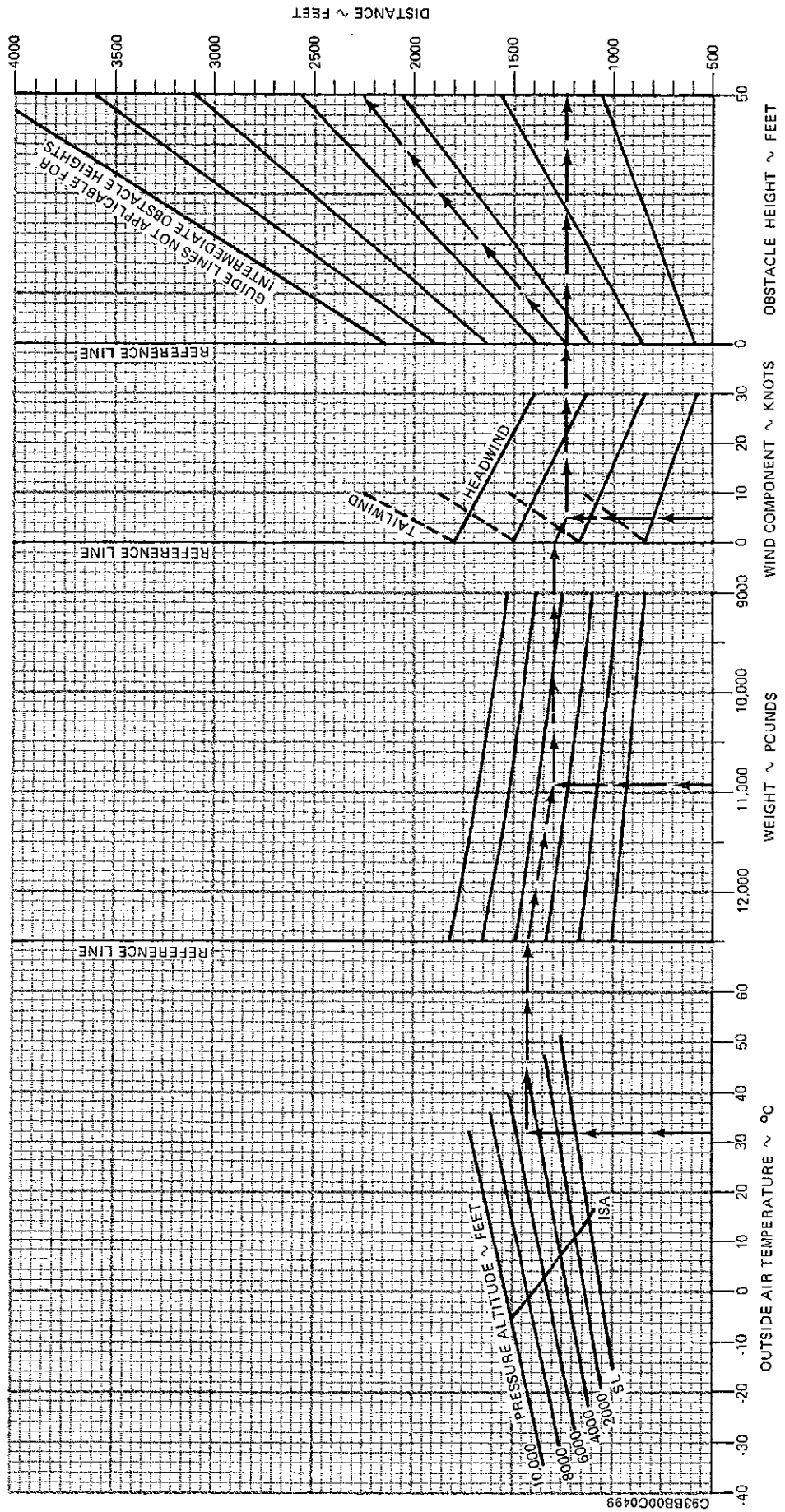
ASSOCIATED CONDITIONS:

- POWER RETARD TO MAINTAIN 1000 FT/MIN ON FINAL APPROACH
- FLAPS DOWN
- RUNWAY PAVED, LEVEL, DRY SURFACE
- APPROACH SPEED IAS AS TABULATED
- BRAKING MAXIMUM
- CONDITION LEVERS HIGH IDLE
- PROPELLER CONTROLS FULL FORWARD
- POWER LEVERS MAXIMUM REVERSE AFTER TOUCHDOWN UNTIL FULLY STOPPED

WEIGHT ~ POUNDS	APPROACH SPEED ~ KNOTS
12,500	103
12,000	102
11,000	98
10,000	96
9,000	93

EXAMPLE:

- OAT 32°C
- PRESSURE ALTITUDE 4732 FT
- LANDING WEIGHT 10,937 POUNDS
- HEADWIND COMPONENT 4.7 KNOTS
- GROUND ROLL 1240 FEET
- TOTAL OVER 50 2260 FEET
- FOOT OBSTACLE 99 KNOTS
- APPROACH SPEED 99 KNOTS



LANDING DISTANCE WITH PROPELLER REVERSING FLAPS UP

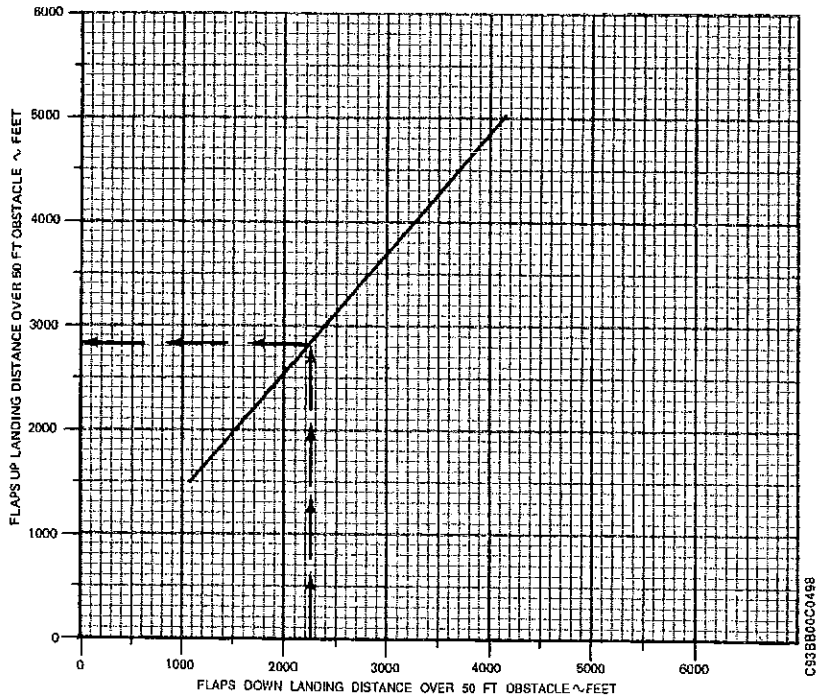
ASSOCIATED CONDITIONS:

POWER.....RETARD TO MAINTAIN
 1000 FT/MIN ON FINAL
 APPROACH
 FLAPS.....UP
 RUNWAY.....PAVED, LEVEL, DRY SURFACE
 APPROACH SPEED.....IAS AS TABULATED
 BRAKING.....MAXIMUM
 CONDITION LEVERS...HIGH IDLE
 PROPELLER CONTROLS..FULL FORWARD
 POWER LEVERS.....MAXIMUM REVERSE
 AFTER TOUCHDOWN

WEIGHT ~ POUNDS	APPROACH SPEED ~ KNOTS
12,500	132
12,000	130
11,000	128
10,000	122
9000	117

EXAMPLE:
 FLAPS DOWN LANDING
 DISTANCE OVER 50
 FOOT OBSTACLE.....2260 FEET
 LANDING WEIGHT.....10,937 POUNDS
 FLAPS UP LANDING
 DISTANCE OVER 50
 FOOT OBSTACLE.....2820 FEET
 APPROACH SPEED.....128 KNOTS

- NOTES:**
1. LANDING WITH FLAPS FULL DOWN IS NORMAL PROCEDURE. USE THIS GRAPH WHEN IT IS NECESSARY TO LAND WITH FLAPS UP.
 2. TO DETERMINE FLAPS-UP LANDING DISTANCE, READ FROM THE LANDING DISTANCE WITH PROPELLER REVERSING - FLAPS DOWN GRAPH THE LANDING DISTANCE APPROPRIATE TO DAT, ALTITUDE, WEIGHT, WIND, AND 50-FT OBSTACLE, THEN ENTER THIS GRAPH WITH THE DERIVED VALUE AND READ THE FLAPS-UP LANDING DISTANCE.



THIS PAGE INTENTIONALLY LEFT BLANK