FLIGHT MANUAL

LOAD DATA SHEET - PAGE 1 OF 3 - AEROPLANE WEIGHT

Aeroplane Type:..... DIAMOND DA 42 NG

Registration Marking:..... **VH-YKB** Serial No: 42.N188

ISSUE:.... ONE	DATE:..... 11.Sep.15	EXPIRY:..... INDEFINITE

AEROPLANE WEIGHT AND CENTRE OF GRAVITY DATA:

ITEM	WEIGHT (Kg)	ARM (mm aft of datum)	MOMENT (Kg.mm)	CABIN CONFIGURATION
EMPTY	**1418.0**	**2421.4**	**3433480**	FOUR SEATS TOTAL
STANDARD CABIN CONFIGURATION AUSTRO ENGINES & MT PROPELLERS				
THE FOLLOWING IMPERIAL UNITS ARE FOR USE WITH THE PILOTS HANDBOOK SECTION SIX				
	(lb)	(in)	(in.lb)	
EMPTY	**3126.2**	**95.33**	**298013**	FOUR SEATS TOTAL

NOTE: The above empty weights include:-

EMPTY - unusable fuel and full oil

AeroWeigh Pty. Ltd.
BRUCE CLISSOLD
AUTHORITY NUMBER AN-9
MOBILE: 0412 58 5551

LOAD DATA SHEET - PAGE 2 OF 3 - EQUIPMENT LIST

This list details the items included in the empty weight shown in Page 1.

Aeroplane Type:..... DIAMOND DA 42 NG
Registration Marking:..... **VH-YKB** Serial No: 42.N188

ISSUE:... ONE	DATE:..... 11.9.15

ENGINES/PROPELLERS
Austro E4-C..... 2
MT MTV-6-R-C-F..... 2

COMPASSES
Magnetic..... 1
Remote Indicating..... **1***

THERMOMETERS
Engine Temp(Cyl.Hd.)..... **2***
Oil Temp..... **2***
Outside Air Temp..... **1***

INDICATORS
Airspeed..... **1***
Airspeed (Standby)..... 1
Directional Indicator..... **1***
E.G.T..... **2***
Hourmeters..... 0
Fuel Flow..... **2***
Attitude Indicator..... **1***
Gyro Horizon (Standby).... 1
Stall Warning..... 1
Tacho Non-recording..... **2***
Trim Indicator..... 1
Landing Gear Position..... 4 Lights
Vertical Speed..... **1***
Wing Flap Position..... 3 Lights
Assigned Altitude..... **1***

AVIONICS EQUIPMENT (TYPE)

ADF.....	BECKER AR3502
Autopilot.....	GARMIN
Speakers.....	1
G/slope.....	SEE NAVS
Headsets.....	1
GPS/Com....	GARMIN GIA63W (x2)
MF Display..	GARMIN GDU1045
PF Display...	GARMIN GDU1040
Audio.....	GARMIN GMA1347
Txponder.....	GARMIN GTX33ES
AHRS.....	GARMIN GRS77
Air Data.....	GARMIN GDC-74A
Analizer.....	GARMIN GEA71
Traffic.....	AVIDYNE TAS-605
Magntomtr...	GARMIN GMU44
DME.....	0
Stormscope.	0

INSTRUMENTS
Altimeters..... **1***
Altimeters (Standby)..... 1
Ammeters..... **1***
Voltmeters..... **1***
Clocks..... **1***

GAUGES
Engine Oil Pressure..... **2***
Fuel Contents..... **2***
Fuel Pressure..... **2***
Manifold Pressure..... **2***

LIGHTS
White Strobes (tips)..... 2
Inst. Full Panel Flood..... 1
Landing/Taxi..... 2
Map Reading..... 1
Navigation..... 4
Cockpit..... 2
Passenger Overhead..... 1

RESTRAINT EQUIPMENT
Baggage Net..... 1
Lap-sash/Inertia..... 4

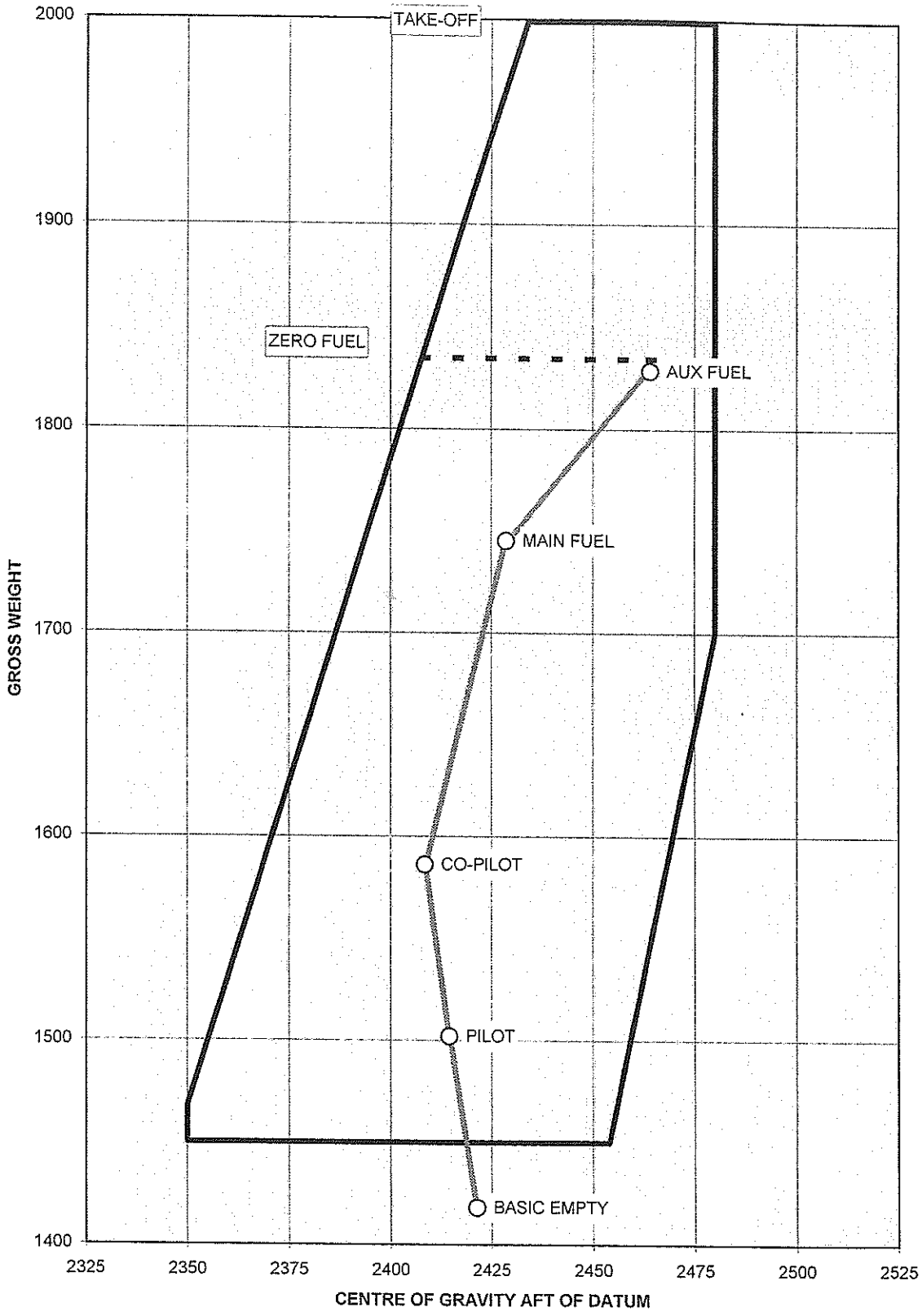
MISCELLANEOUS EQUIPMENT
Dual Controls..... 1
Engine Fire Warning..... 2
Fire Ext.(Portable)..... 1
Land.Gear Warn.Horn..... 1
Hydraulic Pump..... 1
Heated Pitots..... 1
Alternate Static..... 1
Electric Trim..... 1

DISPOSABLE LOAD LIST
First Aid Kit..... 1
Crash Axe..... 1
Torch..... 1
V.S.Beacon/E.L.T..... Kannad 406

*** ITEMS MARKED ARE PART OF ELECTRONIC DISPLAYS**

VH-YKB

DIAMOND DA 42 NG



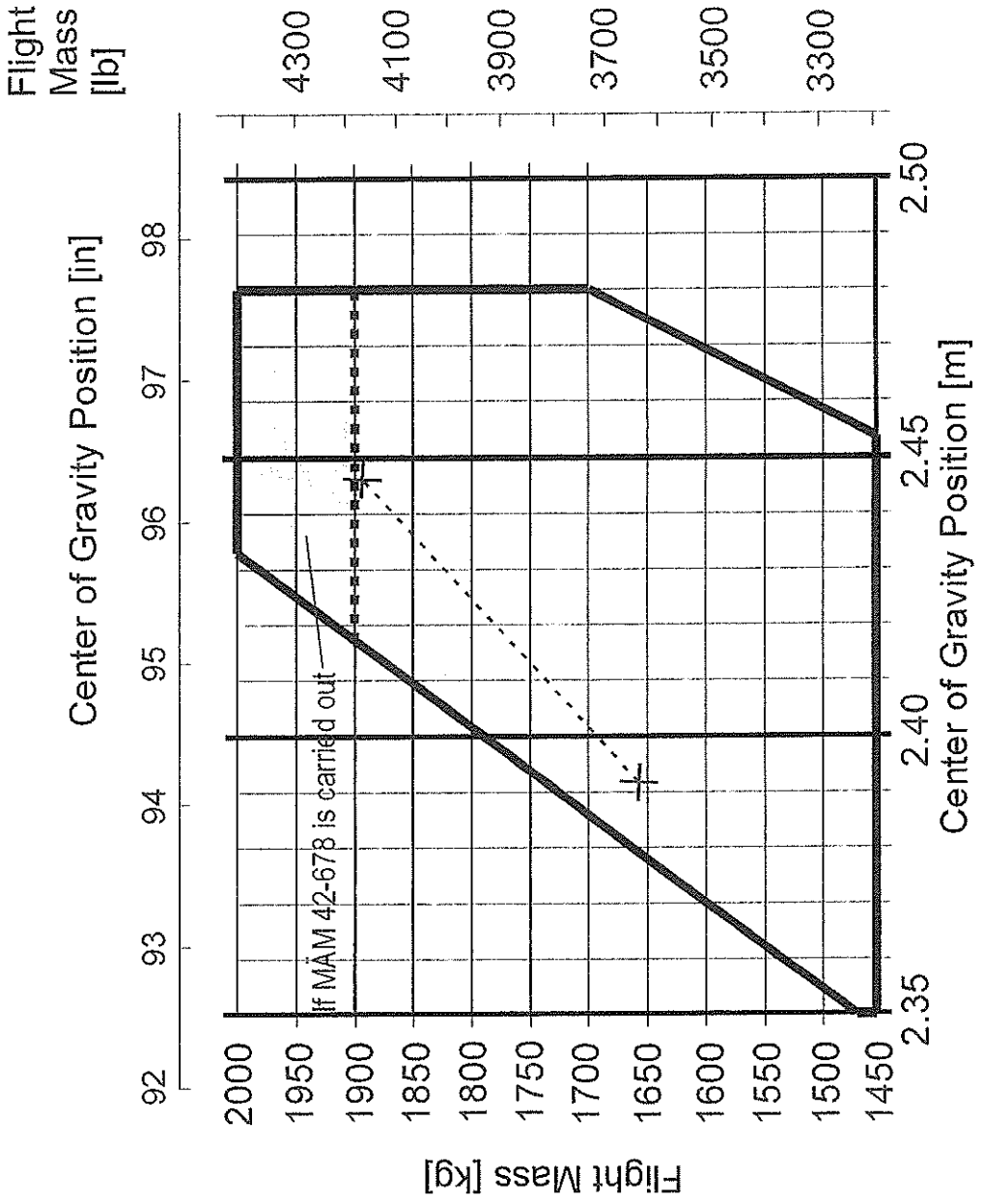
MAIN PLOT - BASIC AIRCRAFT PLUS
TWO FRONT OCCUPANTS @ 84 Kg EACH
WITH FULL MAIN & AUX FUEL

CALCULATION OF LOADING CONDITION	DA 42 NG (Example)		Your DA 42 NG	
	Mass [kg] [lb]	Moment [kgm] [in.lb]	Mass [kg] [lb]	Moment [kgm] [in.lb]
1. Empty mass (from Mass and Balance Report)	1450 *3197*	3488.0 *302,747*		
2. Front seats Lever arm: 2.30 m *(90.6 in)*	160 *353*	368.0 *31,982*		
3. Rear seats Lever arm: 3.25 m *(128.0 in)*	0 *0*	0.0 *0,0*		
4. Nose baggage compt. Lever arm: 0.60 m *(23.6 in)*	0 *0*	0.0 *0,0*		
5. Cabin baggage compt. Lever arm: 3.89 m *(153.1 in)*	10 *22*	38.9 *3,368*		
6. Baggage extension Lever arm: 4.54 m *(178.7 in)*	8 *18*	36.3 *3,217*		
7. Standard baggage compartment Lever arm: 3.65 m *(143.7 in)*	0 *0*	0.0 *0,0*		
8. Short baggage extension (if OÄM 42-207 is carried out) Lever arm: 3.97 m *(156.3 in)*	0 *0*	0.0 *0,0*		
9. De-Icing fluid (if only OÄM 42-160 is installed; see NOTE on previous page) (1.1 kg/liter) *(9.2 lb/US gal)* Lever arm: 1.00 m *(39.4 in)*	27.5 *61*	27.5 *2,403*		

CALCULATION OF LOADING CONDITION	DA 42 NG (Example)		Your DA 42 NG	
	Mass [kg] [lb]	Moment [kgm] [in.lb]	Mass [kg] [lb]	Moment [kgm] [in.lb]
10. De-Icing fluid (if OÄM 42-160 AND OÄM 42-203 are installed; see NOTE on previous page) (1.1 kg/liter) *(9.2 lb/US gal)* Lever arm: 4.52 m *(178.0 in)*	0 *0*	0.0 *0,0*		
11. Total mass & total moment with empty fuel tanks (Total of 1.through 10.)	1655.5 *3651*	3958.7 *343,717*		
12. Usable fuel, main tanks (0.84 kg/liter) *(7.01 lb/US gal)* Lever arm: 2.63 m *(103.5 in)*	159 *351*	418.2 *36,329*		
13. Usable fuel, auxiliary tanks (if installed) (0.84 kg/liter) *(7.01 lb/US gal)* Lever arm: 3.20 m *(126.0 in)*	84 *185*	268.8 *23,310*		
14. Total mass & total moment with fuel & de-icing fluid (Total of 11. through 13.)	1898.5 *4187*	4645.7 *403,356*		

The CG's shown in the following diagrams are those from the example in Section 6.4.3 - CALCULATION OF LOADING CONDITION, rows 11 and 14.

6.4.4 PERMISSIBLE CENTER OF GRAVITY RANGE



The flight CG position must be within the following limits:

Most forward flight CG:

2.350 m (92.52 in) aft of datum plane at 1450 kg (3197 lb)
2.350 m (92.52 in) aft of datum plane at 1468 kg (3236 lb)
2.418 m (95.20 in) aft of datum plane at max. take-off mass 1900 kg (4189 lb)

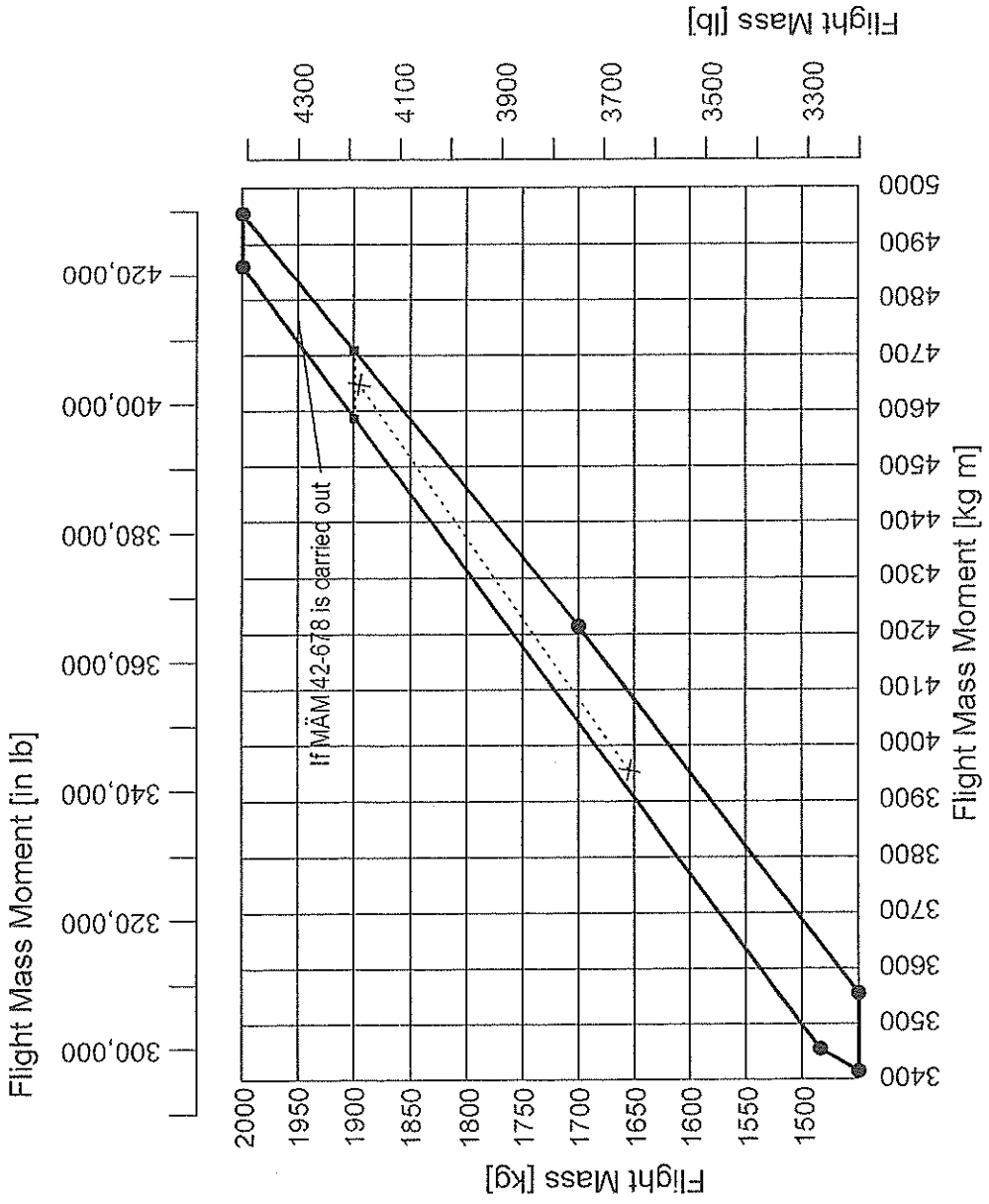
If MÄM 42-678 is carried out:

2.434 m (95.83 in) aft of datum plane at max. take-off mass 1999 kg (4407 lb)
linear variation in between

Most rearward flight CG:

2.454 m (96.61 in) aft of datum plane at 1450 kg (3197 lb)
2.480 m (97.64 in) aft of datum plane at 1700 kg (3748 lb)
2.480 m (97.64 in) aft of datum plane at max. take-off mass (see Section 2.7)
linear variation in between

6.4.5 PERMISSIBLE MOMENT RANGE



The flight mass moments shown in the diagram are those from the example in Table 6.4.3 (a) - CALCULATION OF LOADING CONDITION, rows 11 and 14.

Take-Off Distance - Normal Procedure - 1999 kg / 4407 lb

Weight: 1999 kg / 4407 lb
Flaps: UP
v_R: 76 KIAS
Power: MAX
v_{50}: 83 KIAS
Runway: dry, paved, level

Press. Alt. [ft] / [m]	Distance [m]	Outside Air Temperature - [°C] / [°F]						
		0 / 32	**10** / 50	**20** / 68	**30** / 86	**40** / 104	**50** / 122	**ISA**
SL	**Ground Roll**	400	420	440	470	560	680	424
	15 m / 50 ft	730	760	790	870	1050	1330	776
1000 305	**Ground Roll**	420	440	470	510	610	730	444
	15 m / 50 ft	760	800	840	930	1150	1450	804
2000 610	**Ground Roll**	440	460	500	540	660	790	462
	15 m / 50 ft	800	840	890	1000	1260	1570	836
3000 914	**Ground Roll**	460	490	520	590	710	860	485
	15 m / 50 ft	840	880	940	1080	1360	1710	869
4000 1219	**Ground Roll**	490	520	560	640	780	930	505
	15 m / 50 ft	880	920	1000	1170	1490	1850	906
5000 1524	**Ground Roll**	520	550	600	690	840		531
	15 m / 50 ft	920	980	1070	1280	1620		944
6000 1829	**Ground Roll**	550	580	640	760	920		556
	15 m / 50 ft	970	1030	1140	1400	1760		986
7000 2134	**Ground Roll**	580	620	680	820	990		582
	15 m / 50 ft	1030	1100	1220	1530	1910		1029
8000 2438	**Ground Roll**	620	660	730	900	1080		611
	15 m / 50 ft	1090	1170	1320	1660	2080		1078
9000 2743	**Ground Roll**	660	710	800	980	1180		642
	15 m / 50 ft	1150	1240	1450	1840	2280		1128
10000 3048	**Ground Roll**	700	770	900	1100			676
	15 m / 50 ft	1230	1360	1640	2110			1182

For the distance in [ft] divide by 0.3048 or multiply by 3.28.

Take-Off Distance - Short Field Procedure - 1999 kg / 4407 lb

Weight: 1999 kg / 4407 lb
Flaps: APP
v_R: 74 KIAS
Power: MAX
v_{50}: 79 KIAS
Runway: dry, paved, level

Press. Alt. [ft] / [m]	Distance [m]	Outside Air Temperature - [°C] / [°F]						ISA
		0 / 32	10 / 50	20 / 68	30 / 86	40 / 104	50 / 122	
SL	Ground Roll	350	370	390	420	500	610	375
	15 m / 50 ft	600	640	670	730	890	1120	649
1000 305	Ground Roll	370	390	410	450	540	660	392
	15 m / 50 ft	640	670	710	790	980	1230	676
2000 610	Ground Roll	390	410	440	490	590	720	411
	15 m / 50 ft	670	710	760	850	1080	1360	707
3000 914	Ground Roll	410	440	470	530	650	790	430
	15 m / 50 ft	710	750	810	930	1180	1500	739
4000 1219	Ground Roll	440	460	500	580	710	860	453
	15 m / 50 ft	750	790	870	1020	1300	1640	776
5000 1524	Ground Roll	470	490	540	630	780		477
	15 m / 50 ft	790	840	930	1130	1440		812
6000 1829	Ground Roll	500	530	580	690	850		500
	15 m / 50 ft	840	900	1000	1240	1590		854
7000 2134	Ground Roll	530	560	620	760	930		526
	15 m / 50 ft	900	960	1080	1380	1750		899
8000 2438	Ground Roll	560	600	670	830	1010		556
	15 m / 50 ft	950	1030	1180	1520	1940		946
9000 2743	Ground Roll	600	650	740	920	1120		585
	15 m / 50 ft	1020	1110	1320	1710	2200		999
10000 3048	Ground Roll	650	710	840	1040			618
	15 m / 50 ft	1100	1230	1520	2010			1055

For the distance in [ft] divide by 0.3048 or multiply by 3.28.

All Engines Operating Climb - Flaps UP

Flaps: UP — **Power: 92%**

v_Y: 92 KIAS above 1900 kg (4189 lb)
90 KIAS up to 1900 kg (4189 lb) — **Gear: retracted**

Weight [kg] / [lb]	Press. Alt. [ft]	Press. Alt. [m]	Rate of Climb - [ft/min]								
			Outside Air Temperature - [°C] / [°F]								ISA
			-20 / -4	-10 / 14	0 / 32	10 / 50	20 / 68	30 / 86	40 / 104	50 / 122	
1999 / 4407	SL		1120	1120	1120	1110	1110	1100	1040	880	1114
	2000	610	1120	1110	1110	1100	1090	1090	970	820	1103
	4000	1219	1110	1100	1090	1090	1080	1050	900	760	1092
	6000	1829	1090	1090	1080	1070	1070	990	840		1081
	8000	2438	1080	1070	1060	1050	1040	930	780		1069
	10000	3048	1060	1050	1040	1040	990	820			1052
	12000	3658	1040	1030	1020	1020	850	680			1033
	14000	4267	1020	1020	960	830	660	520			1021
	16000	4877	1010	940	820	680	540				1007
	18000	5486	890	800	700	560	410				895
1900 / 4189	SL		1210	1210	1200	1200	1200	1190	1130	960	1203
	2000	610	1200	1200	1200	1190	1180	1180	1050	890	1193
	4000	1219	1200	1190	1180	1170	1170	1140	98	830	1181
	6000	1829	1180	1170	1170	1160	1150	1080	920		1169
	8000	2438	1170	1160	1150	1150	1130	1010	860		1158
	10000	3048	1150	1140	1130	1130	1080	900			1144
	12000	3658	1130	1120	1120	1110	930	750			1124
	14000	4267	1110	1110	1050	920	740	590			1113
	16000	4877	1100	1030	910	760	610				1102
	18000	5486	980	890	780	630	480				986

All Engines Operating Climb - Flaps APP

Flaps: APP — **Power: 92%**

v_Y: 85 KIAS — **Gear: retracted**

Weight [kg] / [lb]	Press. Alt. [ft]	Press. Alt. [m]	Rate of Climb - [ft/min]								
			Outside Air Temperature - [°C] / [°F]								
			-20 -4	-10 14	0 32	10 50	20 68	30 86	40 104	50 122	ISA
1999 / 4407	SL		1080	1070	1060	1050	1040	1030	980	820	1052
	2000	610	1060	1050	1040	1030	1020	1010	890	750	1036
	4000	1219	1040	1030	1020	1010	1000	970	820	680	1020
	6000	1829	1020	1010	1000	980	970	900	750		997
	8000	2438	1000	980	970	950	940	830	690		973
	10000	3048	970	950	940	930	880	720			949
	12000	3658	940	920	910	900	730	570			923
	14000	4267	910	900	840	710	540	410			904
	16000	4877	890	810	700	560	410				883
	18000	5486	760	670	570	430	280				769
1900 / 4189	SL		1160	1150	1140	1130	1120	1110	1050	880	1129
	2000	610	1140	1130	1120	1110	1100	1090	960	810	1112
	4000	1219	1120	1110	1100	1090	1070	1050	890	740	1096
	6000	1829	1100	1090	1070	1060	1050	970	820		1073
	8000	2438	1070	1060	1040	1030	1020	900	750		1049
	10000	3048	1040	1030	1010	1000	950	780			1024
	12000	3658	1010	990	980	970	800	620			998
	14000	4267	980	970	910	780	600	460			978
	16000	4877	960	880	760	610	460				957
	18000	5486	830	730	630	480	320				838

One Engine Inoperative Climb

Flaps: UP — **Power: feathered / 92%**

v_{YSE}: 85 KIAS — **Gear: retracted**

Weight [kg] / [lb]	Press. Alt. [ft]	Press. Alt. [m]	Rate of Climb - [ft/min]								
			Outside Air Temperature - [°C] / [°F]								ISA
			-20 -4	-10 14	0 32	10 50	20 68	30 86	40 104	50 122	
1999 / 4407	SL		270	255	245	235	225	210	185	120	230
	2000	610	245	235	220	210	200	190	140	80	212
	4000	1219	225	210	200	185	175	160	95	40	193
	6000	1829	200	185	175	160	150	120	55		170
	8000	2438	175	160	145	130	120	75	15		147
	10000	3048	145	130	115	100	80	10			123
	12000	3658	115	95	85	70	0	-70			97
	14000	4267	85	70	35	-30	-105	-160			75
	16000	4877	55	10	-50	-120	-180				50
	18000	5486	-25	-75	-135	-195	-255				-19
1900 / 4189	SL		305	295	285	270	260	250	225	155	269
	2000	610	285	270	260	250	240	225	175	110	250
	4000	1219	260	250	235	225	210	195	130	70	231
	6000	1829	235	225	210	195	185	155	90		208
	8000	2438	210	195	180	165	155	110	45		184
	10000	3048	180	165	150	140	115	40			160
	12000	3658	150	135	120	110	30	-45			134
	14000	4267	120	105	70	0	-75	-135			111
	16000	4877	90	45	-20	-90	-155				86
	18000	5486	10	-45	-105	-170	-235				14

Cruise Performance

Press. Alt. [ft] / [m]	Outside Air Temperature - [°C]														
	ISA-10			ISA			ISA+10			ISA+20			ISA+30		
	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]
2000 610	92	16.6	164	92	16.6	166	92	16.6	168	92	16.7	170	89	16.3	169
	75	13.2	152	75	13.2	153	75	13.2	155	75	13.2	157	75	13.2	158
	60	10.3	138	60	10.3	139	60	10.3	141	60	10.3	142	60	10.3	144
	35	6.5	102	35	6.5	103	35	6.5	103	35	6.5	104	35	6.5	104
4000 1219	92	16.6	168	92	16.6	169	92	16.6	171	92	16.7	173	90	16.5	173
	75	13.2	154	75	13.2	156	75	13.2	158	75	13.2	159	75	13.2	161
	60	10.3	140	60	10.3	142	60	10.3	143	60	10.3	145	60	10.3	146
	35	6.5	103	35	6.5	104	35	6.5	104	35	6.5	104	35	6.5	105
6000 1829	92	16.6	171	92	16.6	173	92	16.6	175	92	16.7	176	90	16.4	176
	75	13.2	157	75	13.2	159	75	13.2	161	75	13.2	163	75	13.2	164
	60	10.3	143	60	10.3	144	60	10.3	146	60	10.3	147	60	10.3	149
	35	6.5	104	35	6.5	104	35	6.5	105	35	6.5	105	35	6.5	105
8000 2438	92	16.6	174	92	16.6	176	92	16.6	178	92	16.7	180	92	16.8	181
	75	13.2	160	75	13.2	162	75	13.2	164	75	13.2	166	75	13.2	167
	60	10.3	145	60	10.3	147	60	10.3	149	60	10.3	150	60	10.3	151
	40	7.3	117	40	7.3	118	40	7.3	118	40	7.3	119	40	7.3	120
10000 3048	92	16.6	177	92	16.6	179	92	16.6	181	92	16.7	183	90	16.4	183
	75	13.2	163	75	13.2	165	75	13.2	167	75	13.2	169	75	13.2	170
	60	10.3	148	60	10.3	150	60	10.3	151	60	10.3	153	60	10.3	154
	45	8.1	128	45	8.1	129	45	8.1	130	45	8.1	131	45	8.1	131
12000 3658	92	16.6	181	92	16.6	183	92	16.6	185	92	16.8	187	90	16.2	184
	75	13.2	166	75	13.2	168	75	13.2	170	75	13.2	172	75	13.2	173
	60	10.3	151	60	10.3	152	60	10.3	154	60	10.3	155	60	10.3	157
	45	8.1	129	45	8.1	130	45	8.1	131	45	8.1	132	45	8.1	133
14000 4267	92	16.7	184	92	16.7	186	92	16.8	188	85	15.4	184	80	14.5	182
	75	13.2	169	75	13.2	171	75	13.2	173	75	13.2	175	75	13.2	177
	60	10.3	153	60	10.3	155	60	10.3	156	60	10.3	158	60	10.3	159
	45	8.1	131	45	8.1	132	50	8.8	142	50	8.8	143	50	8.8	144

Cruise Performance

Press. Alt. [ft] / [m]	Outside Air Temperature - [°C]														
	ISA-10			ISA			ISA+10			ISA+20			ISA+30		
	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]	Pwr [%]	FF [US gal/h]	TAS [kt]
16000 4877	92	16.8	188	92	16.8	190	90	16.5	189	85	15.5	186	80	14.5	183
	75	13.2	173	75	13.2	175	75	13.2	176	75	13.2	178	75	13.2	180
	60	10.3	156	60	10.3	157	60	10.3	159	60	10.3	161	60	10.3	162
	50	8.7	142	50	8.7	143	50	8.7	144	50	8.7	145	50	8.7	146
18000 5486	85	15.4	185	85	15.5	188	85	15.5	189	80	14.5	186	80	14.0	184
	75	13.2	176	75	13.2	178	75	13.2	180	75	13.2	182	75	13.5	183
	60	10.3	159	60	10.3	160	60	10.3	162	60	10.3	163	60	10.3	165
	50	8.7	144	50	8.7	145	50	8.7	146	50	8.7	147	50	8.7	148

5.3.11 LANDING DISTANCES

Conditions:

- Power lever ..... both IDLE
- Flaps ..... LDG, APP or UP
- Runway ..... dry, paved, level
- Approach speed ..... V_{REF}

The following factors are to be applied to the computed landing distance for the noted condition:

- Headwind:	Decrease by 10% for each 14 kt (7.2 m/s) headwind.
- Tailwind:	Increase by 10% for each 3 kt (1.5 m/s) tailwind.
- Paved runway, wet:	Increase by 15%.
- Grass runway, dry, 5 cm (2 in) long:	Increase the ground roll by 10%.
- Grass runway, dry, 5 cm (2 in) to 10 cm (3.9 in) long:	Increase the ground roll by 15%.
- Grass runway, dry, longer than 10 cm (3.9 in):	Increase the ground roll at least by 25%.
- Grass runway, wet or soft runway:	Increase the ground roll by 10%.
- Downhill slope:	Increase the ground roll by 9% for each 1% (1 m per 100 m or 1 ft per 100 ft) of slope.

Landing Distance - Flaps LDG - 1999 kg / 4407 lb

Weight: 1999 kg / 4407 lb
Flaps: LDG
V_{REF}: 86 KIAS
Power: IDLE
Runway: dry, paved, level

Press. Alt. [ft] / [m]	Distance [m]	Outside Air Temperature - [°C] / [°F]						
		0 / 32	10 / 50	20 / 68	30 / 86	40 / 104	50 / 122	ISA
SL	Ground Roll	370	380	400	410	440	500	387
	15 m / 50 ft	620	640	660	680	730	820	647
1000	Ground Roll	380	400	410	420	470	530	399
305	15 m / 50 ft	640	660	680	700	770	860	662
2000	Ground Roll	400	410	430	440	490	550	411
610	15 m / 50 ft	660	680	700	720	810	900	680
3000	Ground Roll	410	430	440	460	520	580	422
914	15 m / 50 ft	680	700	720	750	840	940	697
4000	Ground Roll	430	440	460	490	550	610	435
1219	15 m / 50 ft	700	720	750	790	890	990	715
5000	Ground Roll	440	460	480	510	580		449
1524	15 m / 50 ft	730	750	770	830	930		734
6000	Ground Roll	460	480	490	540	610		461
1829	15 m / 50 ft	750	770	800	870	980		753
7000	Ground Roll	480	500	520	580	650		479
2134	15 m / 50 ft	780	810	830	930	1030		780
8000	Ground Roll	510	530	550	630	700		507
2438	15 m / 50 ft	820	850	880	990	1110		818
9000	Ground Roll	550	570	610	690	770		542
2743	15 m / 50 ft	870	900	950	1070	1200		862
10000	Ground Roll	600	620	670	750			584
3048	15 m / 50 ft	930	960	1040	1160			913

For the distance in [ft] divide by 0.3048 or multiply by 3.28.

Landing Distance - Abnormal Flap Position - 1999 kg / 4407 lb

Weight: 1999 kg / 4407 lb
Flaps: APP or UP
V_{REF}: 92 KIAS
Power: IDLE
Runway: dry, paved, level

Press. Alt. [ft] / [m]	Distance [m]	Outside Air Temperature - [°C] / [°F]						ISA
		0 / 32	10 / 50	20 / 68	30 / 86	40 / 104	50 / 122	
SL	Ground Roll	510	530	550	560	610	680	532
	15 m / 50 ft	860	880	910	940	1010	1130	894
1000	Ground Roll	530	550	570	580	640	720	548
305	15 m / 50 ft	880	910	940	970	1060	1180	916
2000	Ground Roll	550	570	580	610	680	760	565
610	15 m / 50 ft	910	940	970	1000	1110	1240	938
3000	Ground Roll	570	590	610	630	710	800	580
914	15 m / 50 ft	940	970	1000	1040	1160	1300	963
4000	Ground Roll	590	610	630	670	750	840	598
1219	15 m / 50 ft	970	1000	1030	1090	1220	1360	987
5000	Ground Roll	610	630	650	700	790		614
1524	15 m / 50 ft	1000	1030	1060	1150	1290		1014
6000	Ground Roll	630	650	680	740	830		634
1829	15 m / 50 ft	1030	1070	1100	1200	1350		1040
7000	Ground Roll	660	680	710	790	890		659
2134	15 m / 50 ft	1080	1110	1150	1280	1430		1080
8000	Ground Roll	700	730	760	860	960		698
2438	15 m / 50 ft	1140	1180	1220	1380	1540		1136
9000	Ground Roll	760	780	830	940	1050		745
2743	15 m / 50 ft	1210	1250	1320	1490	1660		1200
10000	Ground Roll	810	840	910	1030			799
3048	15 m / 50 ft	1300	1340	1440	1620			1276

For the distance in [ft] divide by 0.3048 or multiply by 3.28.

Go-Around Climb Performance

Flaps: LDG — **Power: MAX**

v_{REF}: 86 KIAS above 1900 kg (4189 lb)
84 KIAS up to 1900 kg (4189 lb) — **Gear: extended**

Weight [kg] / [lb]	Press. Alt. [ft]	Press. Alt. [m]	Rate of Climb - [ft/min]								
			Outside Air Temperature - [°C] / [°F]								
			-20 -4	-10 14	0 32	10 50	20 68	30 86	40 104	50 122	ISA
1999 / 4407	SL		635	620	600	585	570	505	375	240	580
	2000	610	605	585	570	550	515	425	280	155	552
	4000	1219	570	550	530	510	450	340	200	80	517
	6000	1829	530	505	485	455	380	250	120		480
	8000	2438	485	460	440	400	310	170	45		443
	10000	3048	440	415	380	310	190	40			405
1900 / 4189	SL		735	715	700	685	670	605	470	325	678
	2000	610	700	685	665	650	620	525	375	240	652
	4000	1219	670	650	635	615	555	440	290	160	622
	6000	1829	635	610	590	560	485	345	210		585
	8000	2438	590	565	545	505	410	265	135		548
	10000	3048	545	520	485	415	290	135			509
1805 / 3979	SL		794	777	760	744	728	659	518	366	735
	2000	610	761	744	726	710	675	578	420	276	708
	4000	1219	727	709	693	671	611	488	330	193	677
	6000	1829	693	670	647	614	536	390	244		640
	8000	2438	647	623	600	557	462	304	165		602
	10000	3048	599	574	539	465	333	169			562