

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 Strokes (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

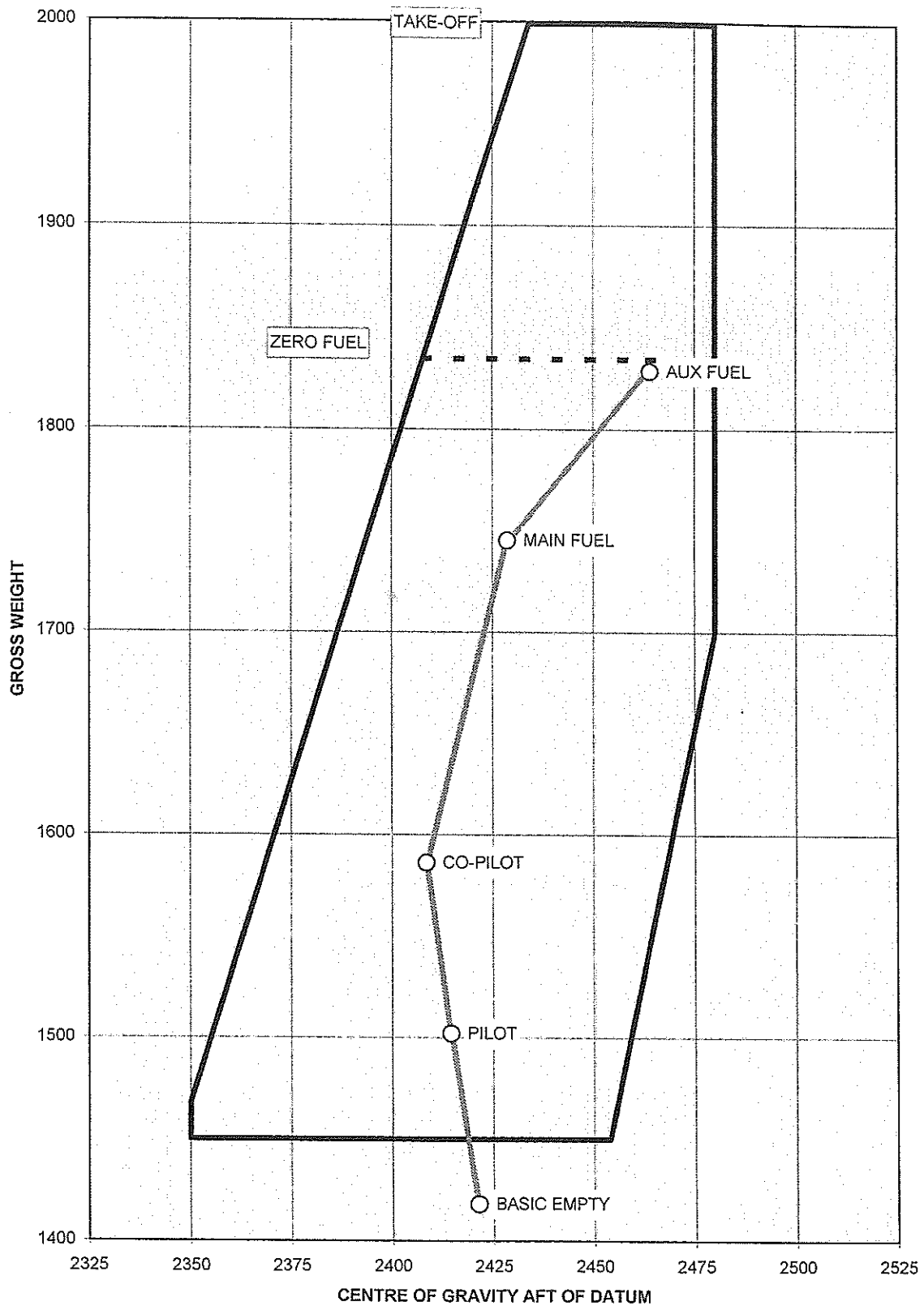
Torch..... 1

V.S.Beacon/E.L.T..... Kannad 406

* ITEMS MARKED ARE PART OF ELECTRONIC DISPLAYS

VH-YKB

DIAMOND DA 42 NG

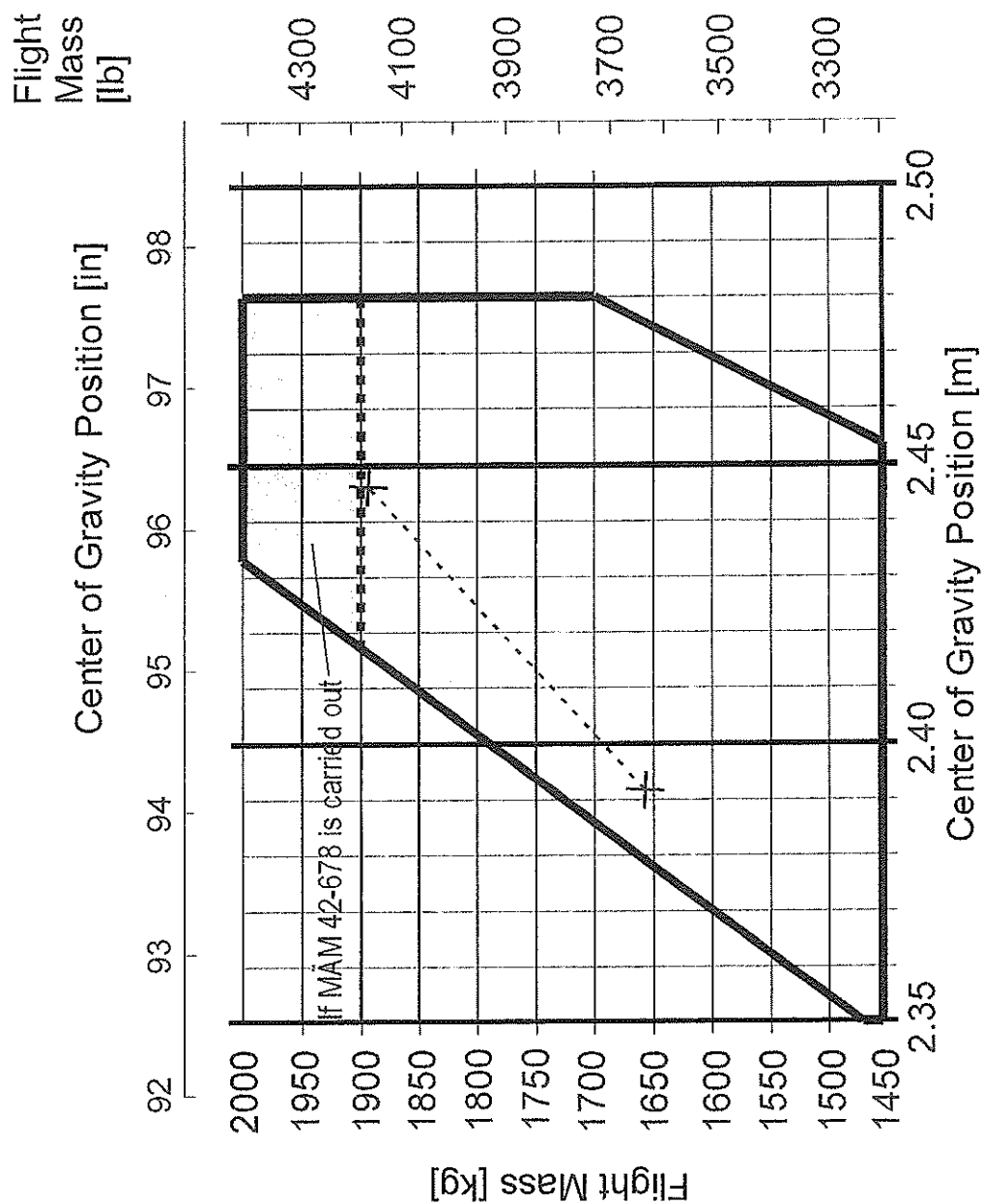


MAIN PLOT - BASIC AIRCRAFT PLUS
TWO FRONT OCCUPANTS @ 84 Kg EACH
WITH FULL MAIN & AUX FUEL

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:

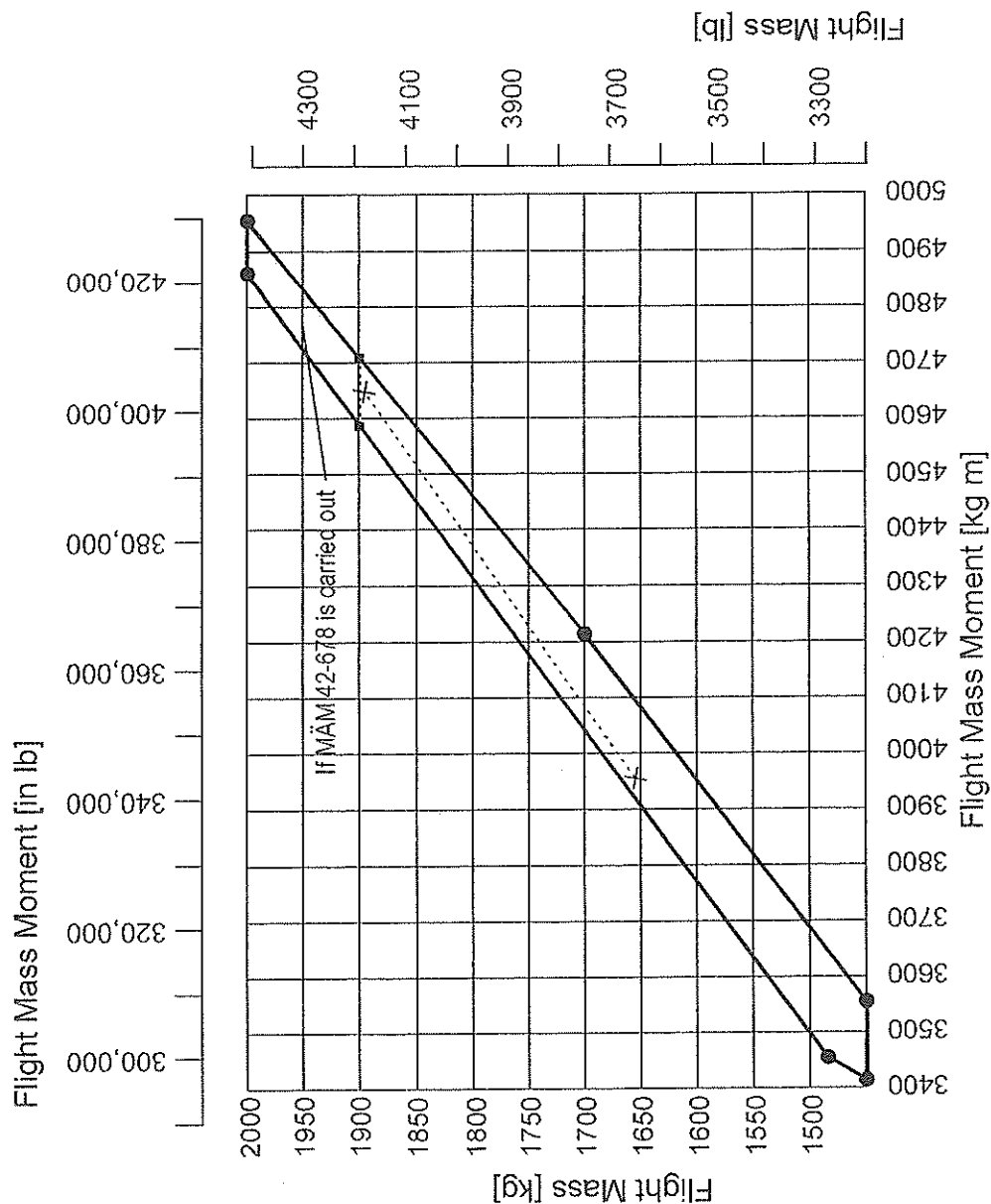
2.454 m (96.61 in) aft of datum plane at 1450 kg (3197 lb)

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 - 1700 kg / 3748 lb**Weight:** 1700 kg / 3748 lb**Flaps:** UP**V_R:** 76 KIAS**Power:** MAX**V₅₀:** 83 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	330	350	360	390	460	560	350
	15 m / 50 ft	580	600	630	680	810	1010	613
1000 305	Ground Roll	350	360	390	420	500	600	367
	15 m / 50 ft	598	630	670	730	890	1100	633
2000 610	Ground Roll	370	390	410	450	540	650	384
	15 m / 50 ft	630	660	700	780	970	1190	661
3000 914	Ground Roll	390	410	440	480	590	710	401
	15 m / 50 ft	660	700	740	840	1050	1290	689
4000 1219	Ground Roll	410	430	460	530	640	770	420
	15 m / 50 ft	700	730	790	910	1140	1390	717
5000 1524	Ground Roll	430	460	490	580	700		439
	15 m / 50 ft	730	770	840	1000	1240		748
6000 1829	Ground Roll	460	490	530	630	760		461
	15 m / 50 ft	770	820	900	1090	1340		779
7000 2134	Ground Roll	480	520	560	680	820		483
	15 m / 50 ft	810	870	960	1180	1450		815
8000 2438	Ground Roll	520	550	610	740	890		507
	15 m / 50 ft	860	920	1030	1290	1570		853
9000 2743	Ground Roll	550	590	670	810	970		532
	15 m / 50 ft	910	980	1130	1410	1740		891
10000 3048	Ground Roll	590	640	740	910			560
	15 m / 50 ft	980	1070	1270	1600			935

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

Take-Off Distance - Short Field Procedure - 1700 kg / 3748 lb

Weight: 1700 kg / 3748 lb

Flaps: APP

V_R: 71 KIAS

Power: MAX

V₅₀: 77 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	290	310	320	350	410	500	311
	15 m / 50 ft	490	510	540	590	700	870	521
1000 305	Ground Roll	310	320	340	380	450	550	326
	15 m / 50 ft	510	540	570	630	770	950	544
2000 610	Ground Roll	330	350	370	410	490	600	342
	15 m / 50 ft	540	570	610	680	840	1040	567
3000 914	Ground Roll	350	360	390	440	540	650	358
	15 m / 50 ft	570	600	650	730	920	1140	592
4000 1219	Ground Roll	370	390	420	480	590	710	376
	15 m / 50 ft	600	640	690	810	1010	1250	622
5000 1524	Ground Roll	390	410	450	520	640		396
	15 m / 50 ft	640	680	740	880	1100		651
6000 1829	Ground Roll	410	440	480	580	700		416
	15 m / 50 ft	680	720	800	970	1210		684
7000 2134	Ground Roll	440	470	520	630	770		437
	15 m / 50 ft	720	770	860	1070	1330		719
8000 2438	Ground Roll	470	500	560	690	840		461
	15 m / 50 ft	760	820	930	1170	1460		755
9000 2743	Ground Roll	500	540	620	760	930		487
	15 m / 50 ft	820	880	1030	1300	1630		797
10000 3048	Ground Roll	540	590	690	860			513
	15 m / 50 ft	880	970	1170	1500			839

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	
1700 / 3748	SL		1380	1380	1380	1380	1370	1370	1290	1100	1378
	2000	610	1380	1380	1370	1360	1360	1350	1210	1030	1368
	4000	1219	1370	1360	1360	1350	1340	1320	1130	960	1357
	6000	1829	1360	1350	1340	1340	1330	1240	1060		1345
	8000	2438	1340	1340	1330	1320	1310	1170	1000		1334
	10000	3048	1330	1320	1310	1300	1250	1050			1320
	12000	3658	1310	1300	1290	1290	1080	890			1299
	14000	4267	1290	1290	1220	1070	870	710			1289
	16000	4877	1280	1200	1070	900	730				1278
	18000	5486	1140	1040	930	760	590				1151

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

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]								ISA
			-20 -4	-10 14	0 32	10 50	20 68	30 86	40 104	50 122	
1700 / 3748	SL		1330	1320	1300	1290	1280	1270	1210	1020	1294
	2000	610	1310	1290	1280	1270	1260	1250	1110	930	1277
	4000	1219	1280	1270	1260	1250	1240	1210	1030	860	1260
	6000	1829	1260	1250	1240	1220	1210	1130	950		1236
	8000	2438	1240	1220	1200	1190	1180	1050	870		1210
	10000	3048	1200	1190	1170	1160	1110	910			1184
	12000	3658	1170	1150	1140	1130	930	740			1156
	14000	4267	1140	1130	1060	910	710	550			1136
	16000	4877	1120	1030	900	730	560				1114
	18000	5486	980	870	750	580	410				983

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

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	
1700 / 3748	SL		390	375	365	355	345	330	300	220	350
	2000	610	365	355	340	330	320	305	245	170	331
	4000	1219	340	330	315	305	290	275	200	125	311
	6000	1829	320	305	290	275	265	225	150		287
	8000	2438	290	275	260	245	230	180	105		263
	10000	3048	260	245	230	215	190	100			237
	12000	3658	225	210	195	185	95	10			210
	14000	4267	195	180	140	65	-25	-90			186
	16000	4877	165	115	45	-35	-110				161
	18000	5486	80	20	-45	-120	-195				83

CAUTION: Dark grey shaded areas indicate a climb rate of less than 50 ft/min.
For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

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 - 1700 kg / 3748 lb								
Weight:		1700 kg / 3748 lb			Flaps: LDG			
V _{REF} :		84 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	320	340	350	360	390	430	335
	15 m / 50 ft	550	570	590	600	650	730	577
1000 305	Ground Roll	340	350	360	370	410	460	346
	15 m / 50 ft	570	590	610	620	680	760	591
2000 610	Ground Roll	350	360	370	380	430	480	356
	15 m / 50 ft	590	610	630	640	720	800	605
3000 914	Ground Roll	360	370	380	400	450	500	367
	15 m / 50 ft	610	630	640	670	750	840	621
4000 1219	Ground Roll	370	380	400	420	480	530	376
	15 m / 50 ft	630	650	660	700	790	880	636
5000 1524	Ground Roll	390	400	410	450	500		388
	15 m / 50 ft	650	670	690	740	830		652
6000 1829	Ground Roll	400	410	430	470	530		401
	15 m / 50 ft	670	690	710	780	870		670
7000 2134	Ground Roll	420	440	450	500	560		417
	15 m / 50 ft	690	720	740	820	920		693
8000 2438	Ground Roll	450	460	490	550	610		445
	15 m / 50 ft	740	760	790	890	990		731
9000 2743	Ground Roll	490	510	540	610	680		481
	15 m / 50 ft	790	810	860	960	1070		775
10000 3048	Ground Roll	530	550	600	670			522
	15 m / 50 ft	850	870	940	1050			828
For the distance in [ft] divide by 0.3048 or multiply by 3.28.								

Landing Distance - Abnormal Flap Position - 1700 kg / 3748 lb								
Weight:		1700 kg / 3748 lb			Flaps: APP or UP			
V _{REF} :		86 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	450	460	480	490	530	600	464
	15 m / 50 ft	750	780	800	820	880	990	783
1000 305	Ground Roll	460	480	490	510	560	630	478
	15 m / 50 ft	780	800	820	850	930	1040	802
2000 610	Ground Roll	480	490	510	530	590	660	492
	15 m / 50 ft	800	820	850	870	970	1080	821
3000 914	Ground Roll	490	510	530	550	620	690	505
	15 m / 50 ft	820	850	870	910	1020	1140	843
4000 1219	Ground Roll	510	530	550	580	650	730	521
	15 m / 50 ft	850	880	900	950	1070	1190	864
5000 1524	Ground Roll	530	550	570	610	690		535
	15 m / 50 ft	880	900	930	1000	1120		887
6000 1829	Ground Roll	550	570	590	650	730		552
	15 m / 50 ft	910	930	960	1050	1180		910
7000 2134	Ground Roll	580	600	620	690	780		577
	15 m / 50 ft	950	980	1000	1120	1250		945
8000 2438	Ground Roll	620	640	670	760	850		614
	15 m / 50 ft	1010	1040	1080	1210	1360		1001
9000 2743	Ground Roll	670	700	740	830	930		662
	15 m / 50 ft	1080	1110	1170	1320	1470		1064
10000 3048	Ground Roll	730	760	820	920			717
	15 m / 50 ft	1160	1200	1290	1450			1144
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)

Gear: extended

84 KIAS up to 1900 kg (4189 lb)

Weight [kg] / [lb]	Press. Alt. [ft]	Press. Alt. [m]	Rate of Climb - [ft/min]								ISA
			Outside Air Temperature - [°C] / [°F]								
			-20 -4	-10 14	0 32	10 50	20 68	30 86	40 104	50 122	
1700 / 3748	SL		865	845	830	810	795	725	575	410	805
	2000	610	830	810	795	775	740	640	470	315	777
	4000	1219	795	775	760	735	675	545	375	225	746
	6000	1829	760	735	710	680	595	440	285		707
	8000	2438	710	685	665	620	520	350	200		667
	10000	3048	660	635	600	520	380	205			626

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

Go-Around Climb Performance

Flaps: LDG

Power: MAX

V_{REF}: 86 KIAS above 1900 kg (4189 lb)

Gear: extended

84 KIAS up to 1900 kg (4189 lb)

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		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