

N6543V ✈ Weight + Balance ✈ Performance



	WEIGHT	ARM	MOMENT/1000
Basic Empty Weight			
Front Pilot			
Rear Pax			
Baggage Area			
Zero Fuel Weight			
+ Useable Fuel (GAL x 6)	+		+
Takeoff Weight (Max 2300)			
- Enroute Fuel (GAL x 6)	-		-
Landing Weight			

TAKE OFF	CLIMB	CRUISE	LANDING
Ground Roll:	Speed:	RPM:	Ground Roll:
50' OBS:	Rate:	MP:	50' OBS:
	Time:	BHP:	
	Fuel:	Speed:	
	Distance:	GPH:	

N6543V ✈ Weight + Balance ✈ Performance



Channel Islands Aviation

Channel Islands Aviation
 305 Durley Avenue
 Camarillo, CA 93010
 F.A.A. Repair Station #DDER146D
 Phone (805) 987-1305
 FAX (805) 987-3821

August 7th, 2009 (Date)			
Cessna	172RG	172RG0766	N6543V
(Aircraft Make)	(Model)	(Serial Number)	(Registration Number)
Channel Islands Aviation			
(Customer Name)			
305 Durley Ave.	Camarillo	California	93010
(Street Address)	(City)	(State)	(Zip)

Aircraft Weight and Balance

ITEM	WEIGHT	ARM	MOMENT
Aircraft weighed with main tanks: 48gal	-288.00	48.10	-13852.80
Nose	570.00	-4.90	-2793.00
Left Main	687.00	59.00	40533.00
Right Main	727.00	59.00	42893.00
Maximum gross weight:	2650.00		
TOTALS:	1696.00		66780.20

New Empty Weight	1696.00	New Moment	66780.20
New C.G.	39.37512	New Useful Load	954.00

This new weight & balance information superseads all previous weight and balance data.
 For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.

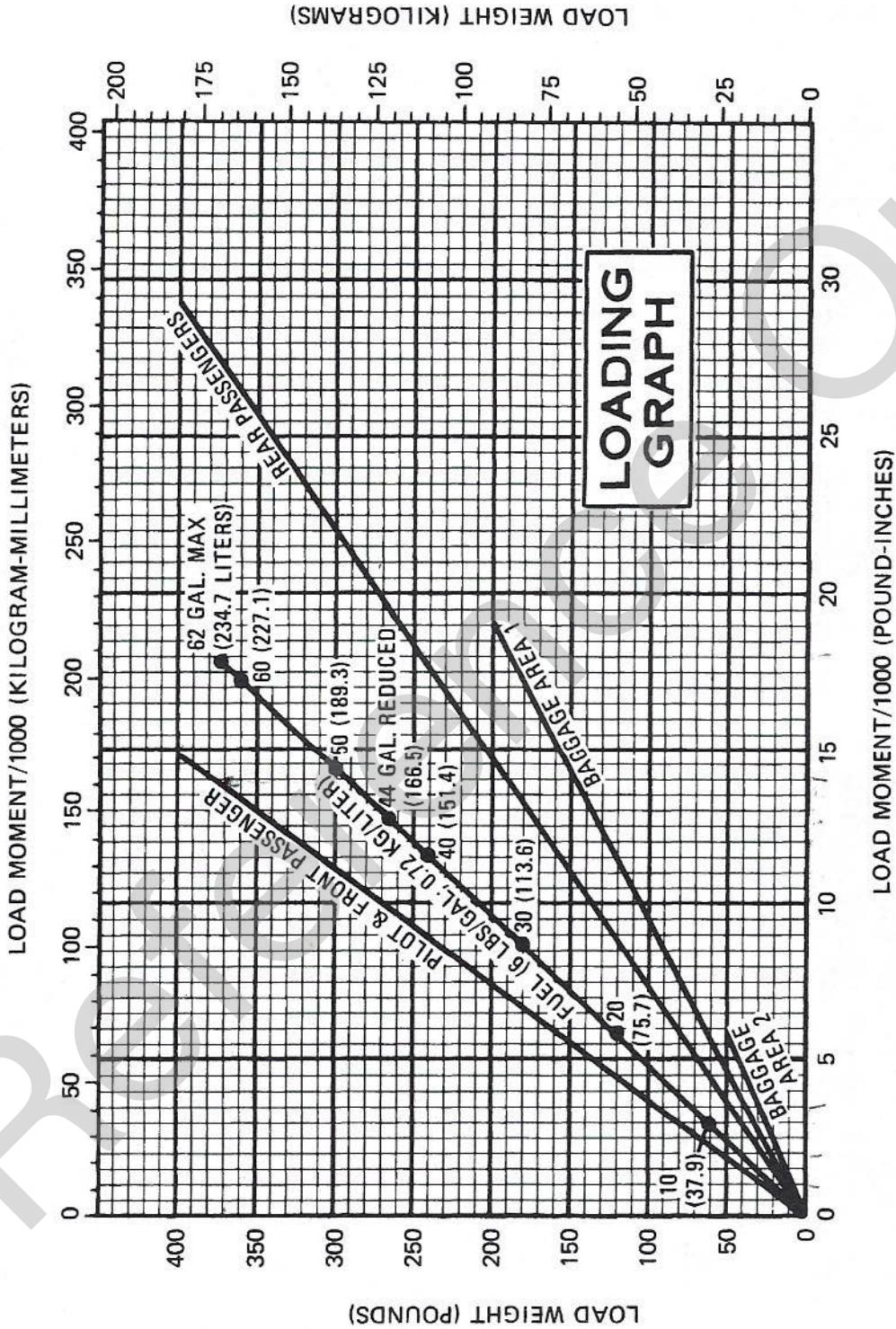
FAA Form 337 Completed? N/A Equipment List Amended? N/A

Andrew Rouleau Director of Maintenance

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST



NOTES: Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant C.G. range.

Figure 6-6. Loading Graph

N6543V ✈ Weight + Balance ✈ Performance

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172RG

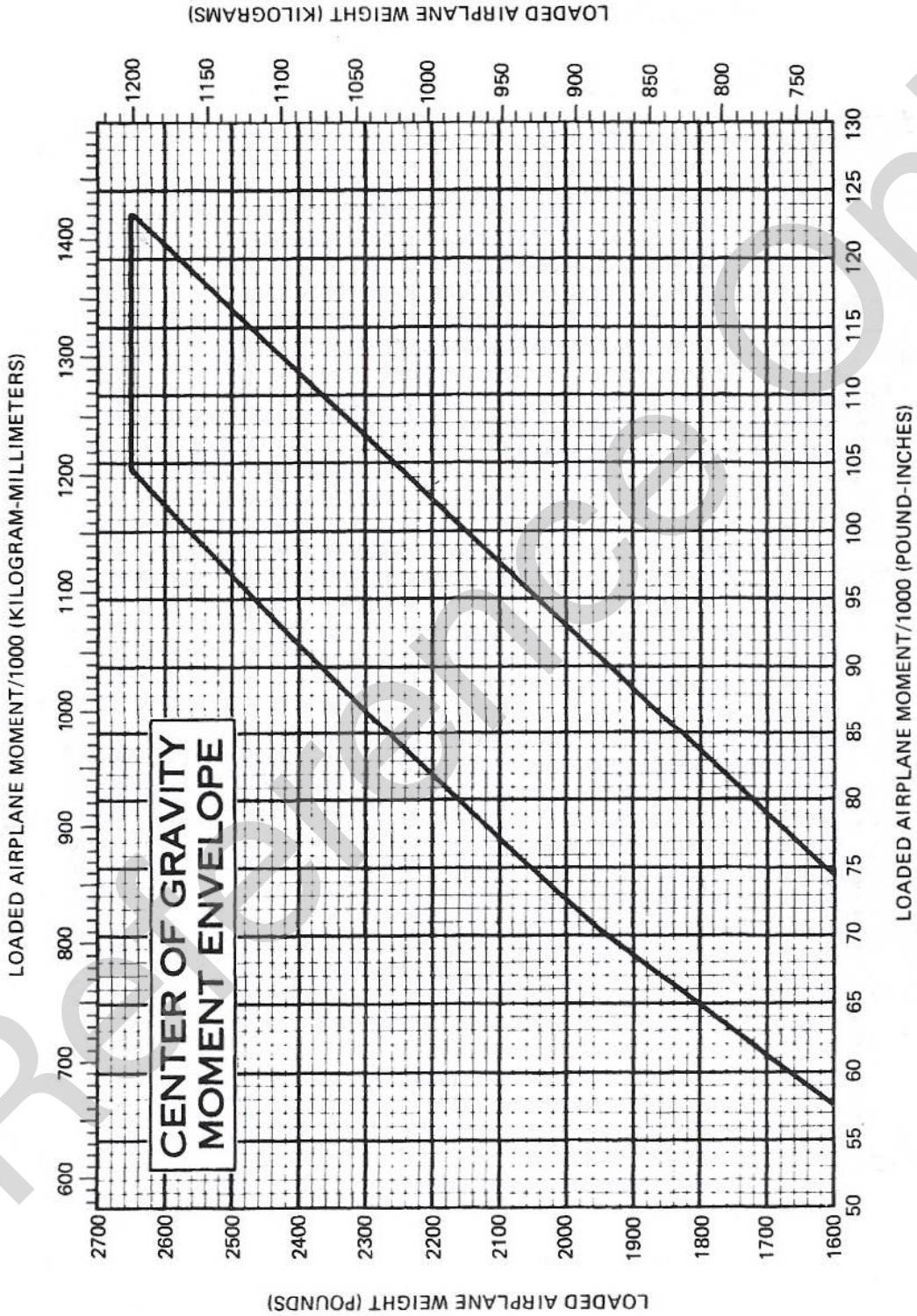


Figure 6-7. Center of Gravity Moment Envelope

CESSNA
MODEL 172RG

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

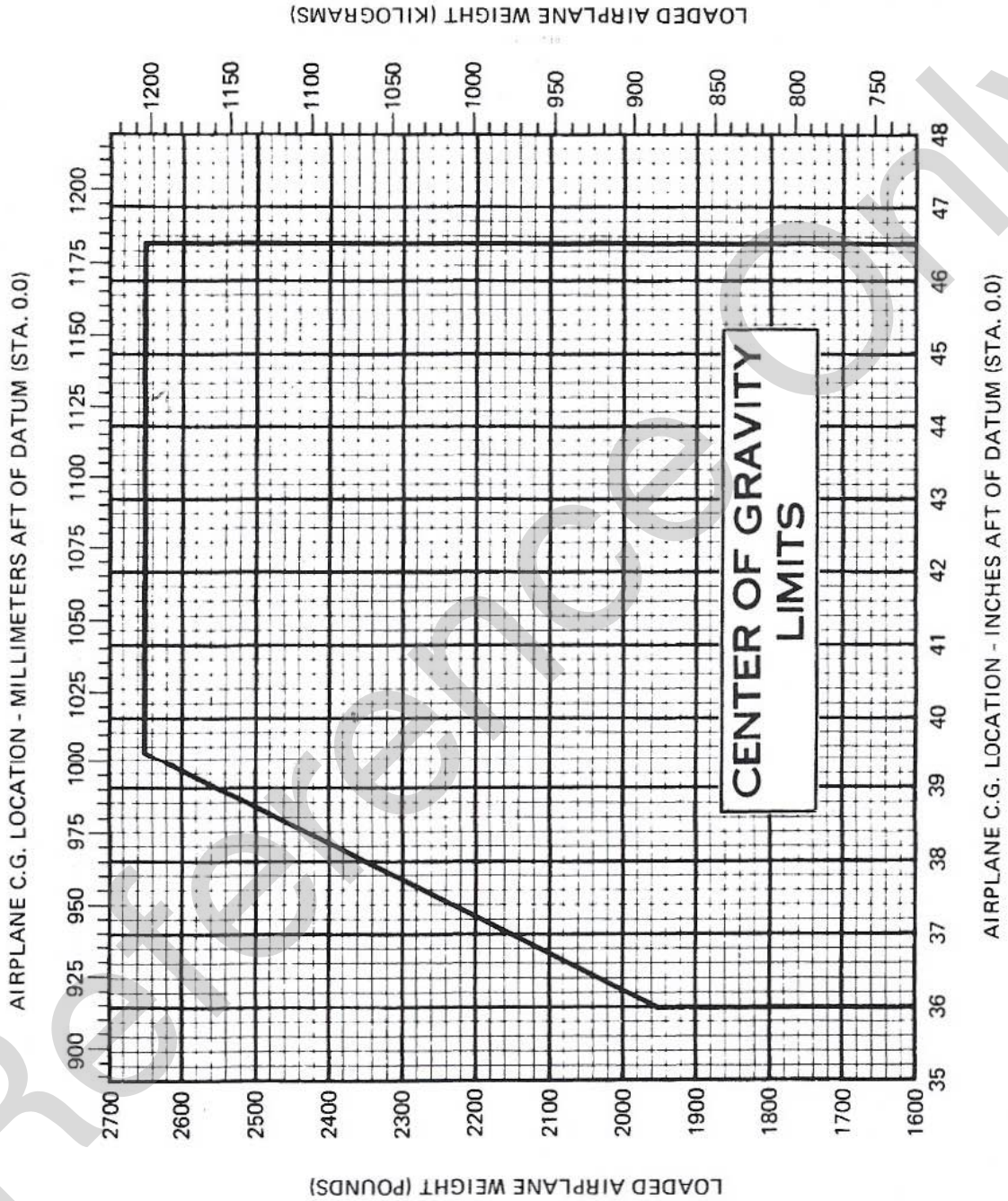


Figure 6-8. Center of Gravity Limits

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

TAKEOFF DISTANCE

MAXIMUM WEIGHT 2650 LBS

SHORT FIELD

CONDITIONS:

Flaps Up
2700 RPM and Full Throttle Prior to Brake Release
Cowl Flaps Open
Paved, Level Dry Runway
Zero Wind

NOTES:

1. Short field technique as specified in Section 4.
2. Prior to takeoff from fields above 3000 feet elevation, the mixture should be leaned to give maximum power in a full throttle, static runup.
3. Decrease distances 10% for each 9 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2 knots.
4. For operation on a dry, grass runway, increase distances by 15% of the "ground roll" figure.

WEIGHT LBS	TAKEOFF SPEED KIAS		PRESS ALT FT	0°C			10°C			20°C			30°C			40°C						
	LIFT OFF	AT 50 FT		GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL				
2650	58	63	S.L.	955	1605	1715	1100	1835	1175	1965	1260	2100	1175	1965	1260	2100	1175	1965	1260	2100		
			1000	1040	1755	1880	1200	2015	1285	2155	1375	2310	1285	2155	1375	2310	1285	2155	1375	2310		
			2000	1140	1925	2065	1315	2215	1410	2380	1510	2550	1510	2550	1510	2550	1510	2550	1510	2550	1510	2550
			3000	1250	2120	2280	1440	2450	1545	2630	1655	2830	1655	2830	1655	2830	1655	2830	1655	2830	1655	2830
			4000	1370	2345	2525	1585	2715	1700	2930	1820	3160	1820	3160	1820	3160	1820	3160	1820	3160	1820	3160
			5000	1505	2600	2805	1740	3030	1870	3280	2005	3550	2005	3550	2005	3550	2005	3550	2005	3550	2005	3550
			6000	1660	2905	3145	1920	3405	2065	3700	2215	4025	2215	4025	2215	4025	2215	4025	2215	4025	2215	4025
			7000	1830	3265	3545	2120	3865	2280	4220	2450	4630	2450	4630	2450	4630	2450	4630	2450	4630	2450	4630
			8000	2025	3700	4045	2350	4440	2530	4895	2720	5430	2530	4895	2720	5430	2530	4895	2720	5430		

Figure 5-4. Takeoff Distance (Sheet 1 of 2)

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

TAKEOFF DISTANCE
2500 LBS AND 2300 LBS

SHORT FIELD

REFER TO SHEET 1 FOR APPROPRIATE CONDITIONS AND NOTES.

WEIGHT LBS	TAKEOFF SPEED KIAS		PRESS ALT FT	0°C			10°C			20°C			30°C			40°C						
	LIFT OFF	AT 50 FT		GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL	GRND ROLL	TO CLEAR 50 FT OBS	TOTAL				
2500	56	61	S.L.	835	1400	1495	960	1595	1025	1705	1100	1820	1200	1995	1100	1820	1200	1995				
			1000	1525	1635	1045	1745	1120	1865	1200	1865	1120	1865	1200	1995	1120	1865	1200	1995			
			2000	995	1670	1790	1145	1915	1225	2050	1315	2195	1315	2195	1315	2195	1315	2195	1315	2195		
			3000	1090	1835	1965	1255	2105	1345	2260	1440	2420	1440	2420	1440	2420	1440	2420	1440	2420	1440	2420
			4000	1195	2015	2165	1375	2325	1475	2500	1580	2685	1580	2685	1580	2685	1580	2685	1580	2685	1580	2685
			5000	1310	2230	2400	1515	2580	1625	2780	1740	2990	1740	2990	1740	2990	1740	2990	1740	2990	1740	2990
			6000	1440	2470	2665	1665	2875	1790	3105	1920	3355	1920	3355	1920	3355	1920	3355	1920	3355	1920	3355
			7000	1585	2760	2980	1840	3230	1975	3500	2120	3800	2120	3800	2120	3800	2120	3800	2120	3800	2120	3800
		8000	1755	3095	3360	2035	3655	2185	3980	2350	4350	2350	4350	2350	4350	2350	4350	2350	4350	2350	4350	
2300	54	59	S.L.	690	1160	1240	790	1320	845	1405	905	1500	905	1500	905	1500	905	1500	905	1500		
			1000	750	1265	1350	860	1440	920	1535	985	1635	985	1635	985	1635	985	1635	985	1635	985	1635
			2000	820	1380	1475	940	1575	1010	1680	1080	1795	1080	1795	1080	1795	1080	1795	1080	1795	1080	1795
			3000	895	1505	1610	1030	1725	1105	1845	1180	1970	1180	1970	1180	1970	1180	1970	1180	1970	1180	1970
			4000	980	1650	1770	1130	1895	1210	2025	1295	2170	1295	2170	1295	2170	1295	2170	1295	2170	1295	2170
			5000	1075	1815	1950	1240	2090	1325	2240	1420	2400	1420	2400	1420	2400	1420	2400	1420	2400	1420	2400
			6000	1180	2005	2150	1360	2310	1460	2485	1565	2670	1565	2670	1565	2670	1565	2670	1565	2670	1565	2670
			7000	1295	2220	2385	1500	2570	1610	2765	1725	2980	1725	2980	1725	2980	1725	2980	1725	2980	1725	2980
		8000	1430	2465	2660	1655	2875	1775	3105	1905	3355	1905	3355	1905	3355	1905	3355	1905	3355	1905	3355	

Figure 5-4. Takeoff Distance (Sheet 2 of 2)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

MAXIMUM RATE OF CLIMB

CONDITIONS:

Flaps Up
Gear Up
2700 RPM
Full Throttle
Mixture Leaned above 3000 Feet
Cowl Flaps Open

WEIGHT LBS	PRESS ALT FT	CLIMB SPEED KIAS	RATE OF CLIMB - FPM			
			-20°C	0°C	20°C	40°C
2650	S.L.	84	925	855	780	710
	2000	83	825	755	685	620
	4000	81	720	655	590	525
	6000	80	620	560	495	435
	8000	78	525	465	405	340
	10,000	77	430	370	310	---
	12,000	75	330	275	220	---

Figure 5-5. Maximum Rate of Climb

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

TIME, FUEL, AND DISTANCE TO CLIMB

MAXIMUM RATE OF CLIMB

CONDITIONS:

Flaps Up
Gear Up
2700 RPM
Full Throttle
Mixture Leaned above 3000 Feet
Cowl Flaps Open
Standard Temperature

NOTES:

1. Add 1.4 gallons of fuel for engine start, taxi, and takeoff allowance.
2. Increase time, fuel and distance by 10% for each 10°C above standard temperature.
3. Distances shown are based on zero wind.

WEIGHT LBS	PRESSURE ALTITUDE FT	TEMP °C	CLIMB SPEED KIAS	RATE OF CLIMB FPM	FROM SEA LEVEL		
					TIME MIN	FUEL USED GALLONS	DISTANCE NM
2650	S.L.	15	84	800	0	0.0	0
	1000	13	83	760	1	0.4	2
	2000	11	83	715	3	0.8	4
	3000	9	82	675	4	1.1	6
	4000	7	81	635	6	1.6	8
	5000	5	81	590	7	2.0	10
	6000	3	80	550	9	2.4	13
	7000	1	79	510	11	2.9	16
	8000	-1	78	465	13	3.3	19
	9000	-3	78	425	15	3.8	22
	10,000	-5	77	385	18	4.3	26
	11,000	-7	76	340	21	4.9	30
12,000	-9	75	300	24	5.5	35	

Figure 5-6. Time, Fuel, and Distance to Climb (Sheet 1 of 2)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

TIME, FUEL, AND DISTANCE TO CLIMB

NORMAL CLIMB - 90 KIAS

CONDITIONS:

Flaps Up
Gear Up
2500 RPM
25 Inches Hg or Full Throttle
Mixture Leaned above 3000 Feet
Cowl Flaps Open
Standard Temperature

NOTES:

1. Add 1.4 gallons of fuel for engine start, taxi, and takeoff allowance.
2. Increase time, fuel and distance by 10% for each 10°C above standard temperature.
3. Distances shown are based on zero wind.

WEIGHT LBS	PRESSURE ALTITUDE FT	TEMP °C	RATE OF CLIMB FPM	FROM SEA LEVEL		
				TIME MIN	FUEL USED GALLONS	DISTANCE NM
2650	S.L.	15	530	0	0.0	0
	1000	13	530	2	0.4	3
	2000	11	530	4	0.7	6
	3000	9	530	6	1.1	9
	4000	7	530	8	1.4	12
	5000	5	520	9	1.8	15
	6000	3	475	11	2.2	18
	7000	1	430	14	2.6	22
	8000	-1	385	16	3.1	26

Figure 5-6. Time, Fuel, and Distance to Climb (Sheet 2 of 2)

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

CRUISE PERFORMANCE PRESSURE ALTITUDE 2000 FEET

CONDITIONS:
2650 Pounds
Recommended Lean Mixture
Cowl Flaps Closed

NOTE
For best fuel economy, operate at the leanest mixture that results in smooth engine operation or at peak EGT if an EGT indicator is installed.

		20°C BELOW STANDARD TEMP -9°C			STANDARD TEMPERATURE 11°C			20°C ABOVE STANDARD TEMP 31°C		
RPM	MP	% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2500	24	77	130	10.3	74	131	9.9	72	132	9.6
	23	72	127	9.7	70	128	9.4	68	128	9.1
	22	68	123	9.1	66	124	8.8	63	124	8.6
	21	63	120	8.6	61	120	8.3	59	120	8.1
2400	25	---	---	---	76	132	10.1	73	133	9.8
	24	74	128	9.9	72	129	9.6	69	130	9.3
	23	70	125	9.3	67	126	9.0	65	126	8.8
	22	65	121	8.8	63	122	8.5	61	122	8.3
2300	25	76	129	10.1	73	130	9.7	71	131	9.4
	24	71	126	9.5	69	127	9.2	67	127	8.9
	23	67	123	9.0	65	123	8.7	63	123	8.5
	22	63	119	8.5	61	119	8.2	59	119	8.0
2200	24	69	124	9.2	66	124	8.9	64	125	8.6
	23	64	121	8.7	62	121	8.4	60	120	8.2
	22	60	117	8.2	58	116	7.9	56	116	7.7
	21	56	112	7.7	54	112	7.5	52	111	7.3
2100	23	62	118	8.3	59	118	8.1	57	118	7.9
	22	57	114	7.9	55	114	7.6	54	113	7.4
	21	53	109	7.4	52	109	7.2	50	108	7.0
	20	49	105	6.9	48	103	6.7	46	101	6.6

Figure 5-7. Cruise Performance(Sheet 1 of 6)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

CRUISE PERFORMANCE

PRESSURE ALTITUDE 4000 FEET

CONDITIONS:
2650 Pounds
Recommended Lean Mixture
Cowl Flaps Closed

NOTE
For best fuel economy, operate at the leanest mixture that results in smooth engine operation or at peak EGT if an EGT indicator is installed.

		20°C BELOW STANDARD TEMP -13°C			STANDARD TEMPERATURE 7°C			20°C ABOVE STANDARD TEMP 27°C		
RPM	MP	% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2500	24	---	---	---	77	135	10.2	74	136	9.9
	23	75	131	10.0	72	132	9.7	70	132	9.4
	22	70	127	9.4	68	128	9.1	66	128	8.8
	21	66	124	8.8	63	124	8.6	61	124	8.3
2400	24	77	132	10.2	74	133	9.9	72	134	9.6
	23	72	129	9.7	70	130	9.3	67	130	9.0
	22	68	126	9.1	65	126	8.8	63	126	8.5
	21	63	122	8.6	61	121	8.3	59	121	8.1
2300	25	---	---	---	76	134	10.1	73	135	9.7
	24	74	130	9.9	71	131	9.5	69	131	9.2
	23	70	127	9.3	67	127	9.0	65	127	8.7
	22	65	123	8.8	63	123	8.5	61	123	8.3
2200	24	71	128	9.5	69	129	9.2	66	129	8.9
	23	67	125	9.0	65	125	8.7	62	125	8.4
	22	63	121	8.5	60	121	8.2	58	120	8.0
	21	58	116	8.0	56	116	7.7	54	115	7.5
2100	23	64	122	8.6	62	122	8.4	60	122	8.1
	22	60	118	8.2	58	118	7.9	56	117	7.7
	21	56	114	7.7	54	113	7.4	52	112	7.2
	20	52	109	7.2	50	108	7.0	48	106	6.8
	19	48	103	6.7	46	101	6.6	44	98	6.4

Figure 5-7. Cruise Performance (Sheet 2 of 6)

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

CRUISE PERFORMANCE PRESSURE ALTITUDE 6000 FEET

CONDITIONS:
2650 Pounds
Recommended Lean Mixture
Cowl Flaps Closed

NOTE
For best fuel economy, operate at the leanest mixture that results in smooth engine operation or at peak EGT if an EGT indicator is installed.

		20°C BELOW STANDARD TEMP -17°C			STANDARD TEMPERATURE 3°C			20°C ABOVE STANDARD TEMP 23°C		
RPM	MP	% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2500	23	---	---	---	75	136	10.0	72	136	9.6
	22	73	132	9.7	70	132	9.4	68	132	9.1
	21	68	128	9.1	66	128	8.8	63	128	8.6
	20	63	123	8.6	61	123	8.3	59	123	8.1
2400	24	---	---	---	77	137	10.2	74	138	9.9
	23	75	133	10.0	72	134	9.6	70	134	9.3
	22	70	130	9.4	68	130	9.1	66	130	8.8
	21	66	126	8.8	63	126	8.6	61	125	8.3
2300	24	77	134	10.2	74	135	9.8	71	136	9.5
	23	72	131	9.6	70	132	9.3	67	132	9.0
	22	68	127	9.1	65	128	8.8	63	127	8.5
	21	63	123	8.5	61	123	8.3	59	123	8.0
2200	24	74	132	9.9	71	133	9.5	69	133	9.2
	23	70	129	9.3	67	129	9.0	65	129	8.7
	22	65	125	8.8	63	125	8.5	61	125	8.2
	21	61	121	8.3	59	120	8.0	57	120	7.8
2100	23	67	126	8.9	64	126	8.7	62	126	8.4
	22	62	122	8.5	60	122	8.2	58	122	7.9
	21	58	118	8.0	56	117	7.7	54	117	7.5
	20	54	113	7.5	52	112	7.3	50	110	7.0
	19	50	108	7.0	48	106	6.8	46	103	6.6

Figure 5-7. Cruise Performance (Sheet 3 of 6)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

CRUISE PERFORMANCE

PRESSURE ALTITUDE 8000 FEET

CONDITIONS:
2650 Pounds
Recommended Lean Mixture
Cowl Flaps Closed

NOTE
For best fuel economy, operate at the leanest mixture that results in smooth engine operation or at peak EGT if an EGT indicator is installed.

		20°C BELOW STANDARD TEMP -21°C			STANDARD TEMPERATURE -1°C			20°C ABOVE STANDARD TEMP 19°C		
RPM	MP	% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2700	22	---	---	---	77	140	10.3	74	141	9.9
	21	75	135	10.0	72	136	9.6	70	136	9.3
2600	22	---	---	---	75	138	10.0	72	139	9.6
	21	73	134	9.7	70	134	9.4	68	134	9.1
	20	68	129	9.1	65	129	8.8	63	129	8.5
2500	22	75	136	10.0	73	136	9.7	70	137	9.4
	21	71	132	9.4	68	132	9.1	66	132	8.8
	20	66	128	8.8	63	127	8.6	61	127	8.3
	19	61	123	8.3	59	122	8.0	57	121	7.8
2400	22	73	134	9.7	70	134	9.4	68	134	9.1
	21	68	130	9.1	66	130	8.8	63	129	8.6
	20	64	125	8.6	61	125	8.3	59	124	8.1
	19	59	120	8.0	57	120	7.8	55	118	7.6
2300	22	70	132	9.4	68	132	9.1	65	132	8.8
	21	66	128	8.8	63	127	8.5	61	127	8.3
	20	61	123	8.3	59	122	8.0	57	121	7.8
	19	57	118	7.8	55	117	7.5	53	115	7.3
2200	22	68	129	9.1	65	129	8.8	63	129	8.5
	21	63	125	8.5	61	125	8.3	59	124	8.0
	20	59	120	8.0	57	120	7.8	55	118	7.6
	19	54	115	7.5	52	114	7.3	51	112	7.1
2100	22	65	127	8.7	63	127	8.5	60	126	8.2
	21	61	122	8.2	59	122	8.0	57	121	7.7
	20	56	117	7.7	54	116	7.5	53	115	7.3
	19	52	112	7.3	50	110	7.0	49	108	6.8
	18	48	105	6.8	46	102	6.6	45	99	6.4

Figure 5-7. Cruise Performance (Sheet 4 of 6)

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

CRUISE PERFORMANCE PRESSURE ALTITUDE 10,000 FEET

CONDITIONS:
2650 Pounds
Recommended Lean Mixture
Cowl Flaps Closed

NOTE
For best fuel economy, operate at the leanest mixture that results in smooth engine operation or at peak EGT if an EGT indicator is installed.

RPM	MP	20°C BELOW STANDARD TEMP -25°C			STANDARD TEMPERATURE -5°C			20°C ABOVE STANDARD TEMP 15°C		
		% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2700	20	72	136	9.7	70	136	9.3	67	136	9.0
	19	67	131	9.0	65	131	8.7	62	130	8.4
2600	20	70	134	9.4	68	134	9.0	65	133	8.8
	19	65	129	8.8	63	128	8.5	61	128	8.2
	18	60	123	8.2	58	123	7.9	56	121	7.7
2500	20	68	132	9.1	66	132	8.8	63	131	8.5
	19	63	127	8.5	61	126	8.3	59	125	8.0
	18	58	121	8.0	56	120	7.7	54	119	7.5
	17	54	115	7.4	52	113	7.2	50	110	7.0
2400	20	66	130	8.9	63	129	8.6	61	129	8.3
	19	61	124	8.3	59	124	8.0	57	123	7.8
	18	56	119	7.7	54	118	7.5	52	115	7.3
	17	52	112	7.2	50	110	7.0	48	107	6.8
2300	20	64	127	8.6	61	127	8.3	59	126	8.0
	19	59	122	8.0	57	121	7.8	55	119	7.5
	18	54	116	7.5	52	114	7.3	51	112	7.1
	17	50	109	7.0	48	106	6.8	46	103	6.6
2200	20	61	125	8.3	59	124	8.0	57	123	7.8
	19	57	119	7.8	55	118	7.5	53	116	7.3
	18	52	113	7.3	50	111	7.0	49	108	6.9
2100	20	59	122	8.0	57	121	7.8	55	119	7.5
	19	55	116	7.5	52	115	7.3	51	112	7.1
	18	50	110	7.0	48	107	6.8	47	104	6.6

Figure 5-7. Cruise Performance (Sheet 5 of 6)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

CRUISE PERFORMANCE

PRESSURE ALTITUDE 12,000 FEET

CONDITIONS:
2650 Pounds
Recommended Lean Mixture
Cowl Flaps Closed

NOTE
For best fuel economy, operate at the leanest mixture that results in smooth engine operation or at peak EGT if an EGT indicator is installed.

		20°C BELOW STANDARD TEMP -29°C			STANDARD TEMPERATURE -9°C			20°C ABOVE STANDARD TEMP 11°C		
RPM	MP	% BHP	KTAS	GPH	% BHP	KTAS	GPH	% BHP	KTAS	GPH
2700	19	69	135	9.3	67	135	9.0	64	134	8.7
	18	64	130	8.7	62	129	8.4	60	128	8.1
2600	19	67	133	9.0	65	133	8.7	63	132	8.5
	18	62	128	8.4	60	127	8.2	58	125	7.9
	17	57	121	7.8	55	120	7.6	53	117	7.4
2500	19	65	131	8.8	63	131	8.5	61	130	8.3
	18	61	126	8.2	58	125	8.0	56	123	7.7
	17	56	119	7.6	54	117	7.4	52	115	7.2
	16	51	112	7.1	49	108	6.9	47	104	6.7
2400	19	63	129	8.6	61	128	8.3	59	127	8.0
	18	59	123	7.8	56	122	7.7	54	120	7.5
	17	54	117	7.4	52	114	7.2	50	111	7.0
	16	49	108	6.9	47	105	6.7	46	100	6.5
2300	19	61	126	8.3	59	125	8.0	57	124	7.8
	18	57	120	7.8	54	119	7.5	53	116	7.3
	17	52	113	7.2	50	111	7.0	48	107	6.8
2200	19	59	124	8.1	57	123	7.8	55	121	7.6
	18	55	118	7.5	53	115	7.3	51	112	7.1
	17	50	110	7.0	48	107	6.8	46	103	6.6
2100	19	57	121	7.8	55	119	7.5	53	117	7.3
	18	52	114	7.3	50	112	7.1	49	108	6.9
	17	48	106	6.8	46	102	6.6	45	98	6.4

Figure 5-7. Cruise Performance (Sheet 6 of 6)

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

RANGE PROFILE 45 MINUTES RESERVE 44 GALLONS USABLE FUEL

CONDITIONS:
2650 Pounds
Recommended Lean Mixture for Cruise
Standard Temperature
Zero Wind

NOTE:
This chart allows for the fuel used for engine start, taxi, takeoff and climb, and the distance during a normal climb up to 8000 feet and maximum climb above 8000 feet.

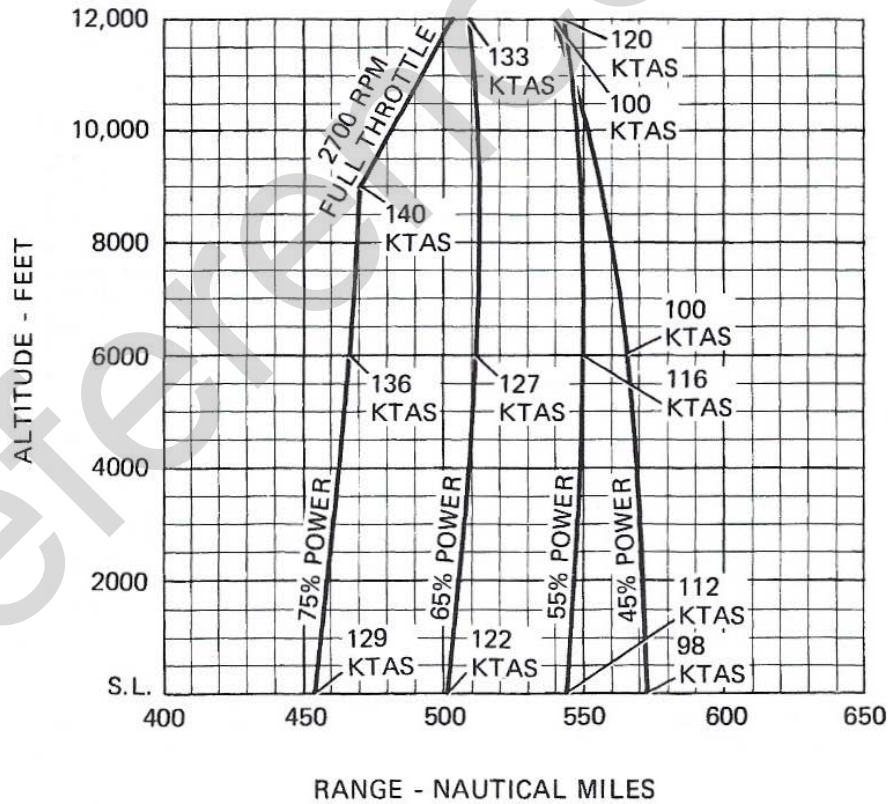


Figure 5-8. Range Profile (Sheet 1 of 2)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

RANGE PROFILE 45 MINUTES RESERVE 62 GALLONS USABLE FUEL

CONDITIONS:
2650 Pounds
Recommended Lean Mixture for Cruise
Standard Temperature
Zero Wind:

NOTE:
This chart allows for the fuel used for engine start, taxi, takeoff and climb, and the distance during a normal climb up to 8000 feet and maximum climb above 8000 feet.

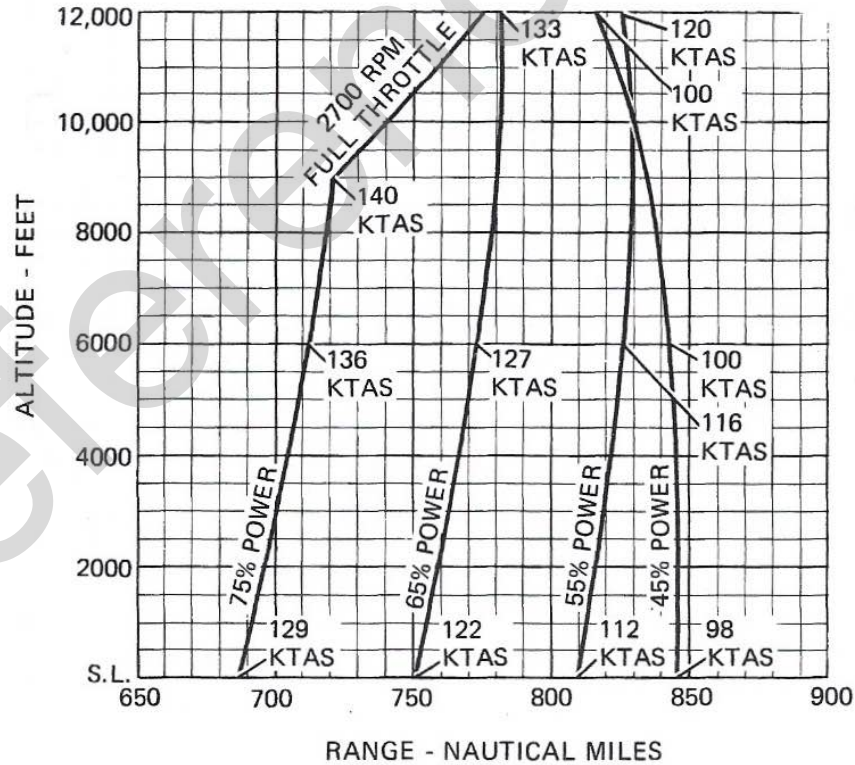


Figure 5-8. Range Profile (Sheet 2 of 2)

N6543V ✈ Weight + Balance ✈ Performance

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

ENDURANCE PROFILE 45 MINUTES RESERVE 44 GALLONS USABLE FUEL

CONDITIONS:
2650 Pounds
Recommended Lean Mixture for Cruise
Standard Temperature

NOTE:
This chart allows for the fuel used for engine start, taxi, takeoff and climb, and the time during a normal climb up to 8000 feet and maximum climb above 8000 feet.

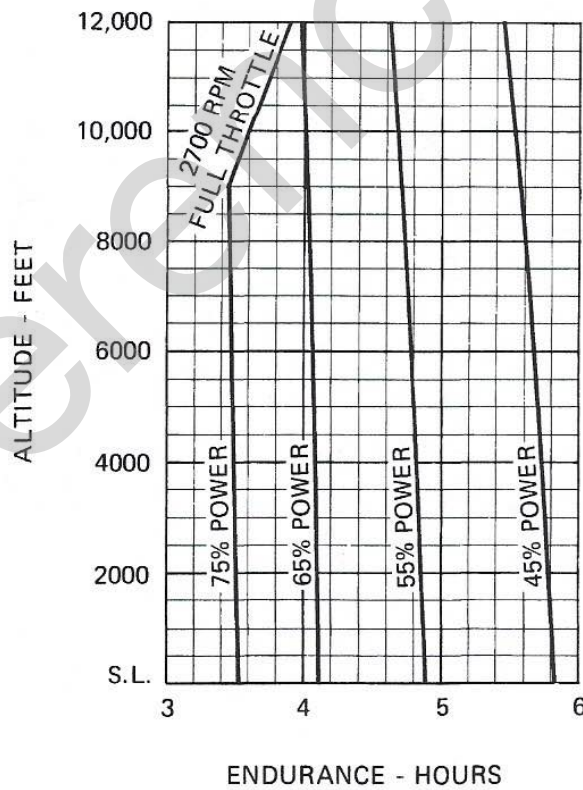


Figure 5-9. Endurance Profile (Sheet 1 of 2)

N6543V ✈ Weight + Balance ✈ Performance

SECTION 5
PERFORMANCE

CESSNA
MODEL 172RG

ENDURANCE PROFILE 45 MINUTES RESERVE 62 GALLONS USABLE FUEL

CONDITIONS:
2650 Pounds
Recommended Lean Mixture for Cruise
Standard Temperature

NOTE:
This chart allows for the fuel used for engine start, taxi, takeoff and climb, and the time during a normal climb up to 8000 feet and maximum climb above 8000 feet.

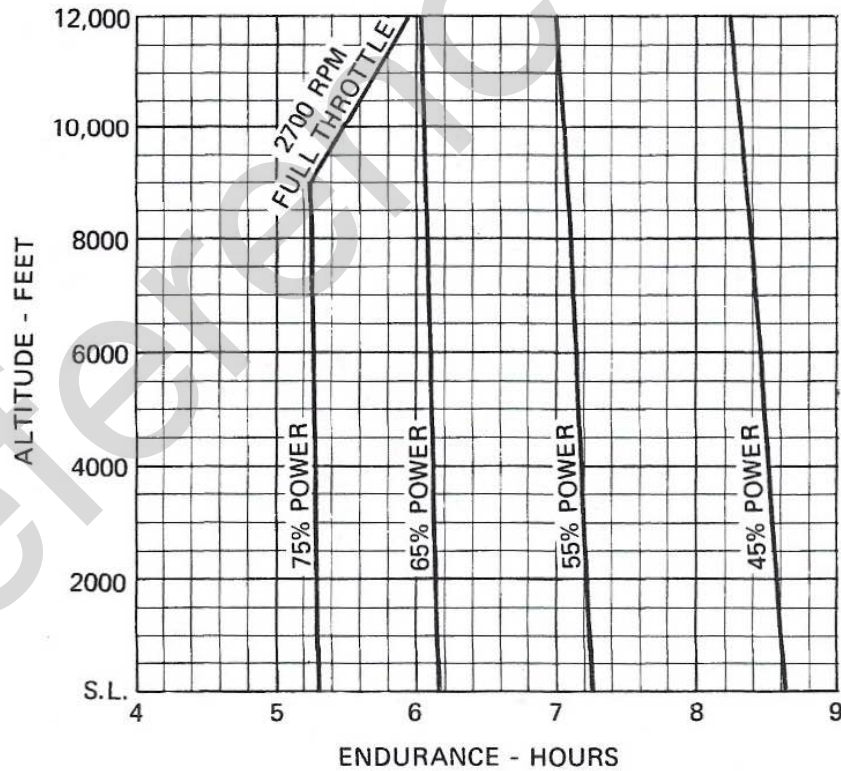


Figure 5-9. Endurance Profile (Sheet 2 of 2)

CESSNA
MODEL 172RG

SECTION 5
PERFORMANCE

LANDING DISTANCE

SHORT FIELD

CONDITIONS:

Flaps 30°
Power Off
Maximum Braking
Paved, Level, Dry Runway
Zero Wind

NOTES:

1. Short field technique as specified in Section 4.
2. Decrease distances 10% for each 9 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2 knots.
3. For operation on a dry, grass runway, increase distances by 40% of the "ground roll" figure.

WEIGHT LBS	SPEED AT 50 FT KIAS	PRESS ALT FT	0°C			10°C			20°C			30°C			40°C		
			GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS			
2650	63	S.L.	590	1290	615	1325	635	1355	635	1355	660	1390	660	1390	680	1425	
		1000	615	1325	635	1355	660	1395	660	1395	680	1425	680	1425	705	1460	
		2000	635	1355	660	1395	685	1430	685	1430	705	1465	705	1465	730	1500	
		3000	660	1395	685	1430	710	1470	710	1470	735	1505	735	1505	760	1545	
		4000	685	1430	710	1470	735	1510	735	1510	760	1545	760	1545	785	1585	
		5000	710	1470	740	1515	765	1550	765	1550	790	1590	790	1590	815	1630	
		6000	740	1515	765	1555	795	1600	795	1600	820	1635	820	1635	850	1680	
		7000	770	1560	795	1645	825	1685	825	1685	850	1725	850	1725	880	1770	
8000	800	1605	825	1645	855	1690	855	1690	885	1735	885	1735	915	1780			

Figure 5-10. Landing Distance