



REDCLIFFE AERO CLUB

CESSNA C152 VH-BUQ & VH-IVW

NEVER EXCEED SPEED (Vne)	149 KTS (BUQ)	172 KTS (IVW)
MAX STRUCTURAL CRUISING SPEED (Vno)	111 KTS (BUQ)	125 KTS (IVW)
MANOEUVERING SPEEDS (Va)	757 KG	104 KTS (BUQ) 108 KTS (IVW)
.....	681 KG	98 KTS (BUQ) 98 KTS (IVW)
.....	613 KG	93 KTS (BUQ) 93 KTS (IVW)
PLANNING TAS.....		95 KTS
MAX FLAP EXTENSION (Vfe) 10° to 30°		85 KTS
BEST GLIDE SPEED		60 KTS
ENROUTE CLIMB		70 KTS
AFTER TAKEOFF CLIMBOUT.....		70 KTS
BEST ANGLE OF CLIMB (Vx).....		55 KTS
BEST RATE OF CLIMB (Vy)		67 KTS
SHORTFIELD TAKE OFF SPEED		54 KTS @ 50 FEET
FINAL APPROACH SPEED (40° FLAP)		60 KTS
BASE SPEED		70 KTS
FLAPLESS APPROACH SPEED		70 KTS
STALL SPEED (FLAPS DOWN)		35 KTS
STALL SPEED (FLAPS UP).....		40 KTS
USABLE FUEL.....		92 LTS
TOTAL FUEL CAPACITY		98 LTS
PLANNED FUEL CONSUMPTION.....		25 LTS/HR
OIL CAPACITY		4 - 6 QTS
MAX TAKE OFF WEIGHT		757 KGS
BASIC EMPTY WEIGHT	530 KGS (BUQ)	545 KGS (IVW)
MAX CROSSWIND COMPONENT		15 KTS
RUN UP		1700 RPM
MAX RPM DROP PER MAG		125 RPM
MAX DIFFERENCE BETWEEN L/R MAGS		50 RPM
STATIC RPM		2280 - 2380 RPM

Note: Redcliffe Aero Club Advisory Information Only. ALL pilots should refer to pilots operating handbook for full and correct data.

SECTION 5 - INSTRUMENT AND EQUIPMENT INSTALLATIONS

5.1 - MANDATORY INSTRUMENTS AND INDICATORS

The aeroplane shall not be operated unless, in addition to the minimum flight and navigational instruments required by Air Navigation Orders Section 20.18, the following indicators and instruments are also installed:

- (a) Position Indicators -
 - (i) Flap position indicator
 - (ii) Elevator trim tab position indicator
- (b) Power-Plant Instruments and Indicators -
 - (i) Fuel quantity indicator for each tank
 - (ii) Oil pressure indicator
 - (iii) Oil temperature indicator
 - (iv) Tachometer
- (c) Other Airworthiness Instruments or Indicators -
 - Stall warning indicator

6.2 - AEROPLANE WEIGHT

Aircraft Type: CESSNA 152
 Registration Marking: VH-15282826
 Date of Expiry: INDEFINITE

Issue	Date	Date of Expiry
ONE	18/8/79	INDEFINITE

Aeroplane Weight and Centre of Gravity Data:

Item	Weight kg	Arm mm aft of datum	Index Unit kg mm/1000	Cabin Configuration
EMPTY	524.9	756	402.002	Two Seats
BASIC	530.1	755	400.090	Two Seats

NOTE: The above weight(s) include:
 EMPTY - UNUSABLE FUEL AND UNDRAINABLE OIL.
 BASIC - UNUSABLE FUEL AND FULL OIL.





DEPARTMENT OF TRANSPORT
RECORD OF WEIGHT ALTERATIONS

NO.
A1520839/1

NAME OF ORGANISATION S.C.RIGBY FOR REX AVIATION LTD., BANKSTOWN. N.S.W.	AIRCRAFT (Aircraft s/no..A152-0839) VH - IVW	TYPE CESSNA A152 AEROBAT	DATUM FUSE.STN.O. (fwd. face of firewall).
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REWEIGH AIRCRAFT ON OR BEFORE INDEFINITE (or as per A.N.O.100.7)

LIMIT DATA	
AEROPLANES	ROTORCRAFT
MAXIMUM TAKE-OFF WEIGHT 757 kg	MAXIMUM TAKE-OFF WEIGHT kg
1/2% MAX. TAKE-OFF WEIGHT 3.8 kg	1% MAX. TAKE-OFF WEIGHT kg
MEAN AERODYNAMIC CHORD 1493 mm	MAXIMUM CENTRE OF GRAVITY RANGE mm
1/2% MEAN AERODYNAMIC CHORD 7.5 mm	10% MAX. C.G. RANGE OR 10mm (0.4 in) mm (whichever is the lesser)

REVISE LOADING SYSTEM

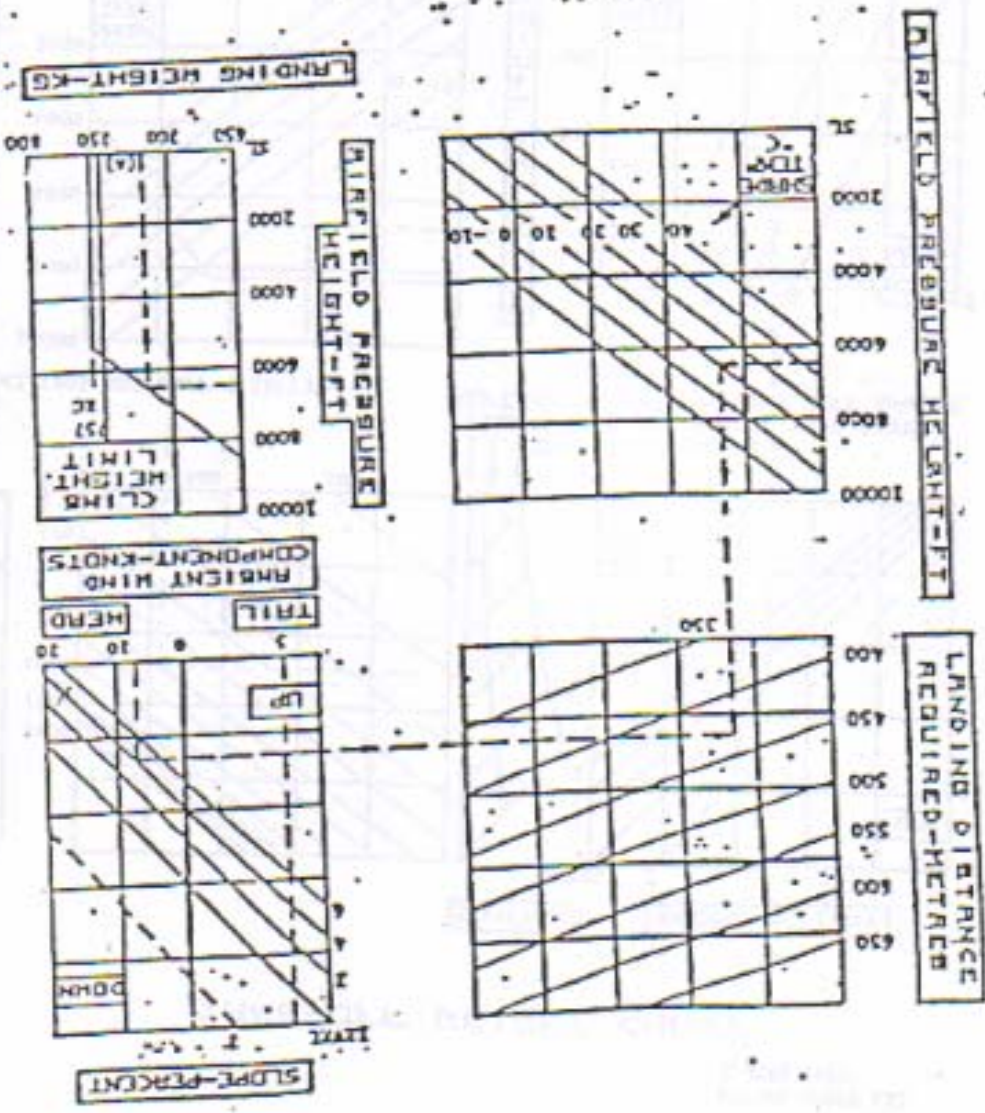
EMPTY WEIGHT LESS THAN 535.4 kg
 EMPTY WEIGHT GREATER THAN 543.0 kg
 EMPTY C.G. POSITION FORWARD OF 795.2 mm forward/aft OF DATUM
 EMPTY C.G. POSITION AFT OF 810.2 mm forward/aft OF DATUM

DATE	DESCRIPTION OF ALTERATION	MOMENT ARM FROM DATUM	WEIGHT AND BALANCE CHANGE				RUNNING TOTAL EMPTY AIRCRAFT		
			Added (+)		Removed (-)		Weight kg	Arm mm	Index kg/mm
			Weight kg	Index kg/mm	Weight kg	Index kg/mm			
17/10/78	BASIC EMPTY WEIGHT OF AIRCRAFT AT MANUFACTURE.					1210.6	31.0	37472	
	CONVERT TO METRIC UNITS.					549.1	786.3	43473	
	LESS:								
	.ENGINE OIL, 5.7 litres.	-373.4		5.1	-1904				
	.OIL FILTER OIL.	-144.8		0.9	-130				
	PLUS:								
	.FIRE EXTINGUISHER, 1 lb CB PRESTO.	660	1.1	726					
19/2/79	ESTIMATED EMPTY WEIGHT OF AIRCRAFT AT INITIAL AUST.C.OF A.					544.2	798.4	434491	
19/2/79	EMPTY WEIGHT OF AIRCRAFT AT INITIAL AUST.C.OF A.					539.2	802.7	432827	
	(Aircraft weighed by S.C.Rigby at Rex, Bankstown. Empty Weight includes unusable fuel, undrainable oil and Fixed Equipment as per FEL/IVW/1 dated 19/2/79).								
	S. C. RIGBY, 33 CRAYFORD CRES, MT. PRITCHARD 2170 D.O.T. AIRCRAFT WEIGHT CONTROL AUTHORITY AN11 PH. SYDNEY 607 9214								

LANDING CHART

FLAP SETTING	30 DEGREES
APPROACH SPEED	54 KNOTS (MS)
LANDING DIST. FACTOR	1.15

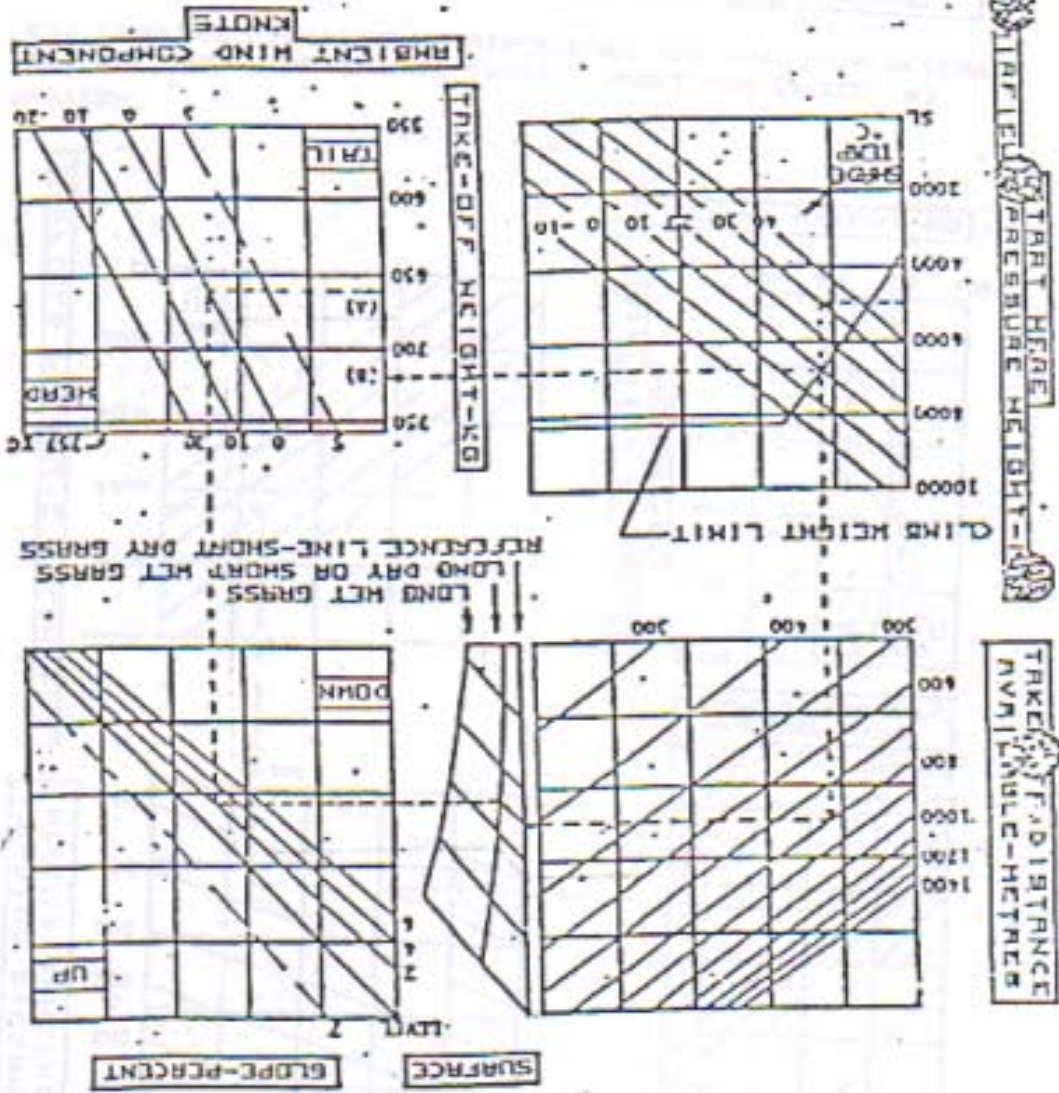
NOTES -
 (1) THE GROSS HEIGHT AT LANDING SHALL NOT EXCEED (CR)
 (2) LANDING DISTANCE REQUIRED - DOES NOT VARY WITH HEIGHT



OSMA FORM 12-1
 1 June 1977

POWER	FULL THROTTLE
FLAP SETTING	10 DEGREES
TAKE-OFF SAFETY SPEED	24 KNOTS IAS
TAKE-OFF DIST. FACTOR	1.13

THE GROSS WEIGHT AT TAKE-OFF SHALL NOT EXCEED THE LESSER OF (A) AND (B)



TAKE-OFF WEIGHT CHART

CESSNA MODEL 152
1 June 1977

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 162

CESSNA
MODEL 162

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

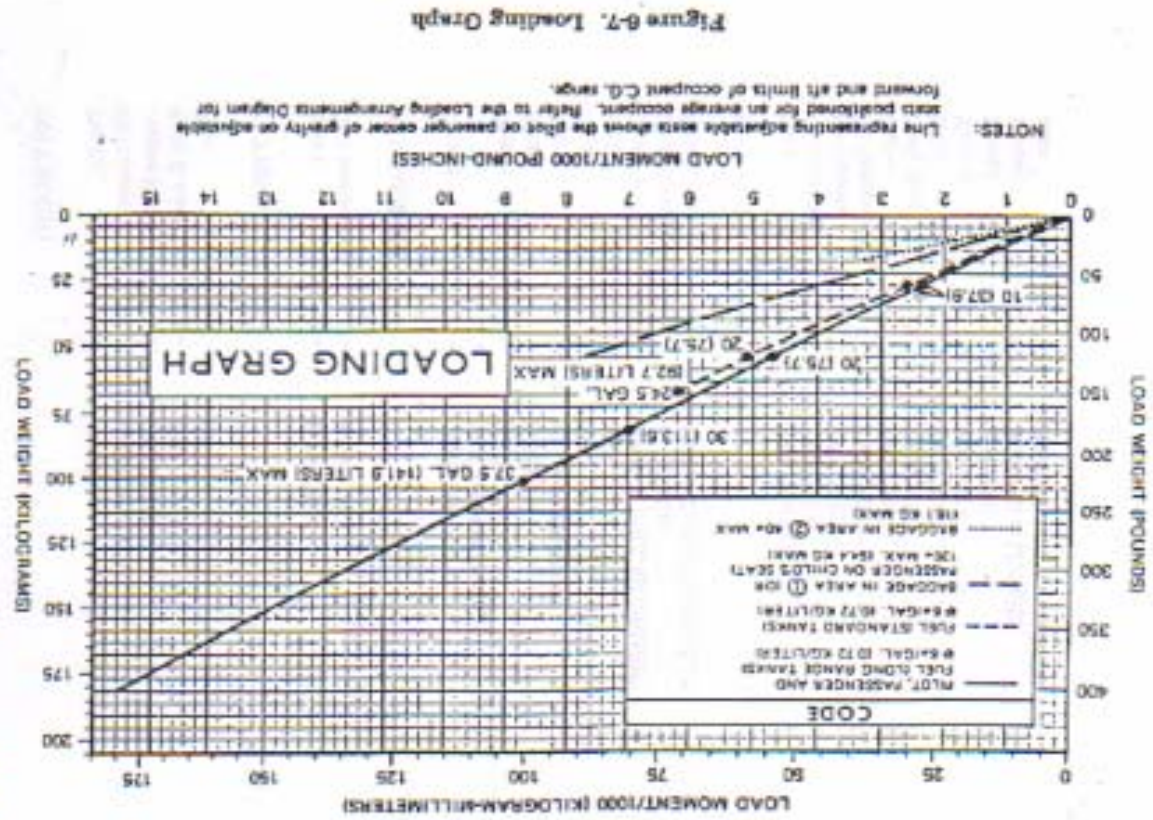
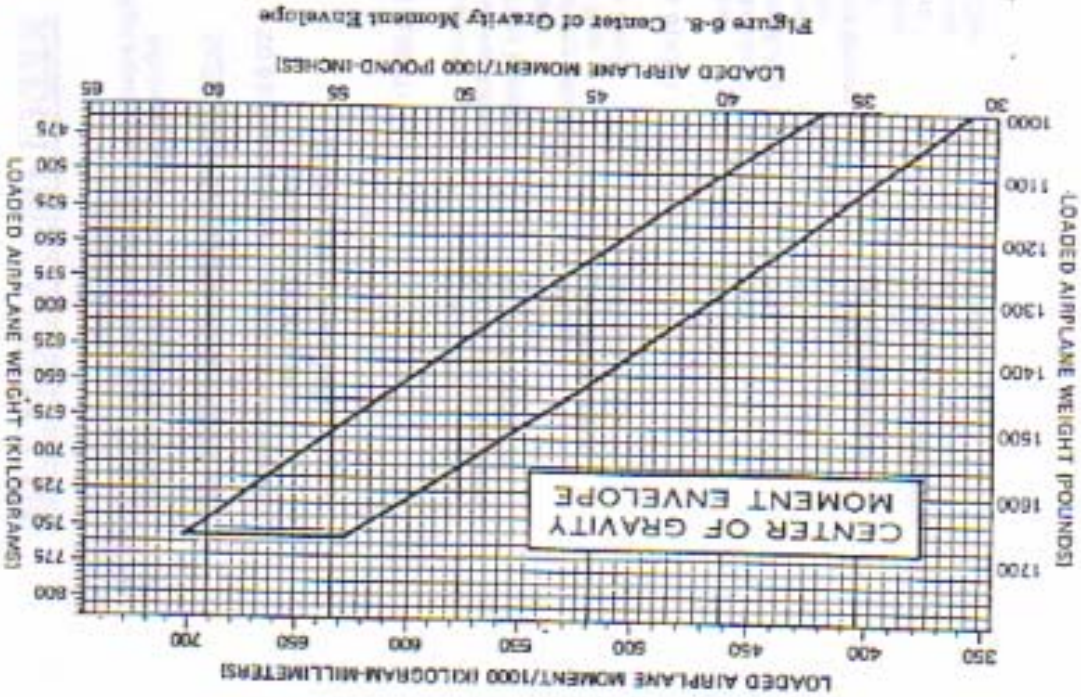


Figure 6-7. Loading Graph

Figure 6-8. Center of Gravity Moment Envelope