

6.2 AIRCRAFT WEIGHT

Issue	Date	Date of Expiry
7	20 May 2010	Indefinite

Aeroplane Weight and Centre of Gravity Data:

ITEM	WEIGHT (kg)	ARM (mm aft of Datum)	INDEX UNIT (kg mm)	CABIN CONFIGURATION
Empty Weight	975	1013	987354	2+3+2 Seats
Operating Weight	1008	1036	1043879	2+3+2 Seats
Loading & Trim Sheet	1008	---	-6.5	2+3+2 Seats

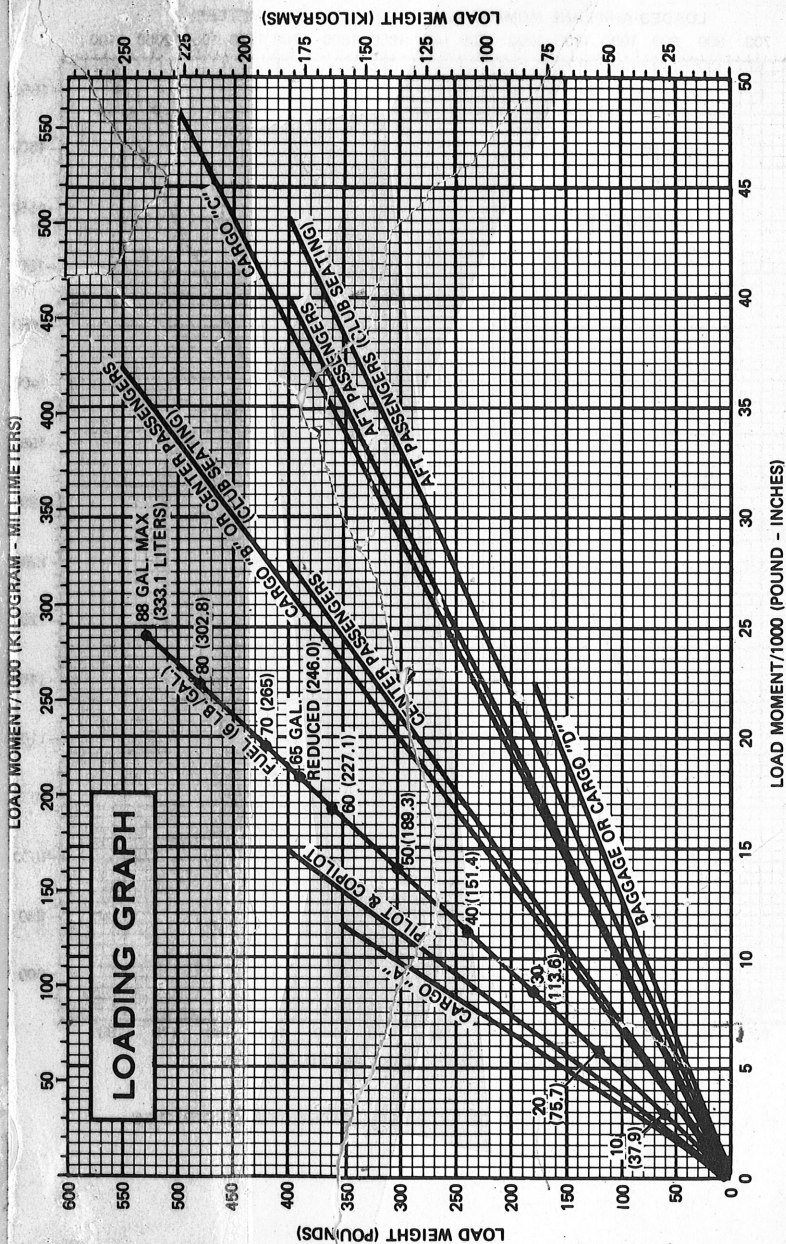
NOTE:

1. Empty weight includes unusable fuel, full engine oil, first aid kit, fire extinguisher and wood floor boards.
2. Operating Weight includes Empty Weight plus cargo net, straps, tool kit, survival kit, water, power leads and pax scales.
3. Weight and Index Unit shown at Loading and Trim are for use with the current issue of MAF "Cessna TU206G and U206G" Loading and Trim Sheet. Weight is Operating Weight, and Index Unit is based on a modified datum of 1100 mm aft of fuselage station 0.0 and divided by 10,000 so that:

$$I.U. = \frac{Op.Wt. \times (Arm - 1100)}{10,000}$$

Approval Stamp:

MISSION AVIATION FELLOWSHIP	
Airport, Mareeba Qld 4880, Australia	
Certificate of Approval No. C017501	
<u>APPROVED</u>	
Pursuant to CAR ... <i>CAR 100.7</i>	
<i>[Signature]</i>	
Authorised Person, ARN No. <i>A58870</i>	
Issue <i>7</i>	Date <i>20 MAY 10</i>



NOTE: Lines representing adjustable seats show 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 6-8. Loading Graph

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL U206G

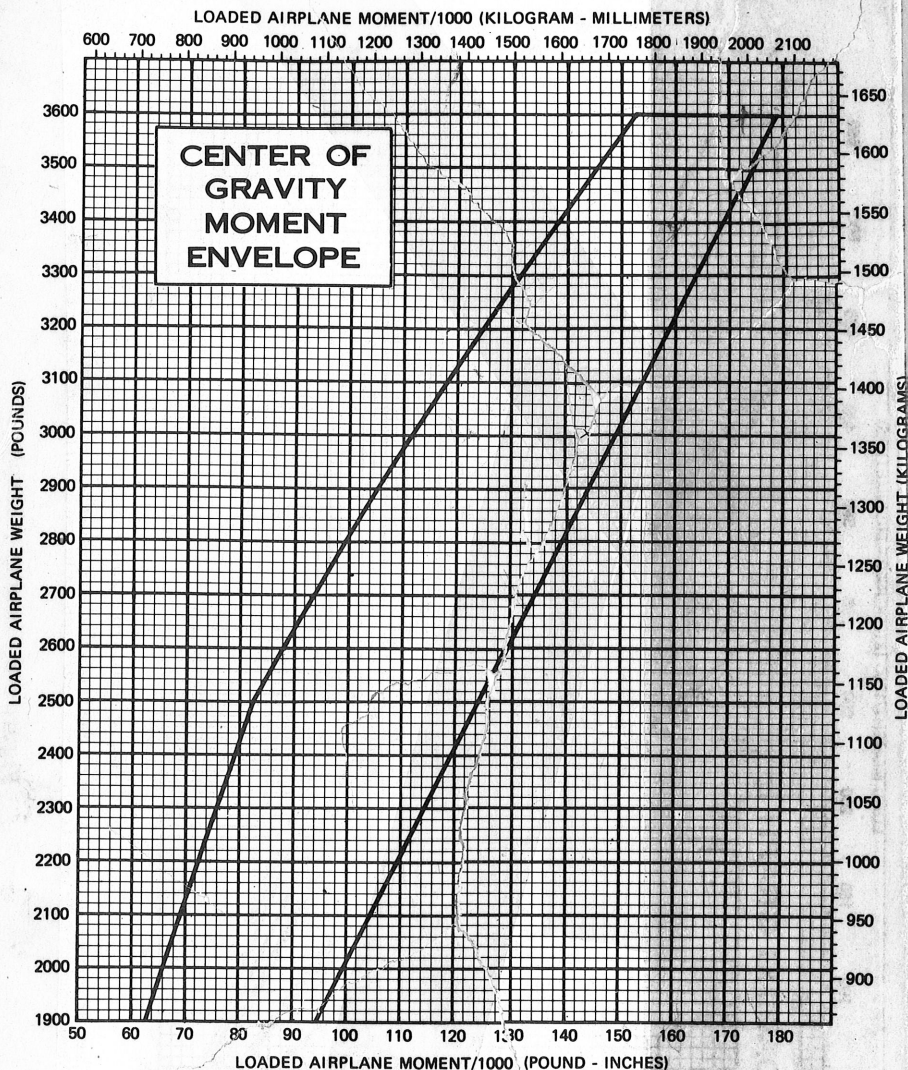


Figure 6-9. Center of Gravity Moment Envelope

TAKEOFF DISTANCE MAXIMUM WEIGHT 3600 LBS

SHORT FIELD

CONDITIONS:

Flaps 20°
2850 RPM, Full Throttle and Mixture Set at Placard Fuel Flow Prior to Brake Release
Cowl Flaps Open
Paved, Level, Dry Runway
Zero Wind

MIXTURE SETTING	
PRESS ALT	GPH
S.L.	24
2000	23
4000	22
6000	21
8000	20

NOTES:

1. Short field technique as specified in Section 4.
2. Where distance value has been deleted, climb performance after lift-off is less than 150 fpm at takeoff speed.
3. Decrease distances 10% for each 10 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2.5 knots.
4. For operation on a dry, grass runway, increase distances by 15% of the "ground roll" figure.

WEIGHT LBS	TAKEOFF SPEED		PRESS ALT FT	0°C			10°C			20°C			30°C			40°C		
	LIFT OFF	KIAS AT 50 FT		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			
3600	53	65	S.L. 1000 2000 3000 4000 5000 6000 7000 8000	810 885 965 1060 1165 1280 1410 1555 1720	1600 1755 1935 2140 2380 2660 2995 3405 3925	1715 1890 2085 2310 2575 2890 3270 3740 4360	870 950 1040 1140 1250 1375 1520 1680 1860	935 1020 1115 1225 1345 1485 1635 1810 2005	1845 2035 2250 2500 2795 3145 3580 4135 4890	1000 1095 1200 1320 1450 1595 1765 1950 ---	1985 2190 2430 2710 3040 3445 3950 4615 ---	1075 1175 1290 1415 1560 1720 1900 ---	2135 2365 2630 2945 3320 3790 4390 ---					

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

LANDING DISTANCE

SHORT FIELD

CONDITIONS:

Flaps 40°
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 10 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2.5 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
3600	64	S.L.	695	1340	720	1375	750	1415	775	1450	800	1490
		1000	720	1375	750	1415	775	1450	800	1490	830	1530
		2000	750	1415	775	1455	805	1495	830	1530	860	1575
		3000	775	1455	805	1495	835	1540	865	1580	890	1615
		4000	805	1495	835	1540	865	1580	895	1625	925	1665
		5000	835	1540	870	1585	900	1630	930	1675	960	1715
		6000	870	1590	900	1630	935	1680	965	1725	995	1770
		7000	905	1635	935	1680	970	1730	1000	1775	1035	1825
		8000	940	1690	970	1730	1005	1780	1040	1830	1075	1880

Figure 5-10. Landing Distance