

**Weight and Balance**

AIRCRAFT YEAR	EMPTY WEIGHT	EMP WT MOMENT	USEFUL LOAD	BAG 1	BAG 2	RAMP WEIGHT	GROSS WEIGHT	LAND WEIGHT
45444 75	1102.3	36198.2	500.7	80	40	1600	1600	1600
714YH 78	1171.7	35023.0	498.3	80	40	1670	1670	1670
67594 78	1175.9	35525.9	494.1	80	40	1670	1670	1670
25773 78	1149.1	34106.0	520.9	80	40	1670	1670	1670
94247 83	1172.6	35549.0	502.4	80	40	1675	1670	1670
54371 81	1502.3	58514.0	897.7	70	50	2407	2400	2400
98772 85	1557.5	59724.4	844.6	70	50	2407	2407	2400
409LP 03	1733.7	71858.0	824.3	120	50	2558	2550	2550

SAMPLE LOADING PROBLEM

	WEIGHT	X	ARM	=	MOMENT
BASIC EMPTY WEIGHT .....	_____		_____		_____
FUEL (USEABLE) .....	_____		_____		_____
PILOT AND FRONT PASSENGER. .	_____		_____		_____
AFT PASSENGERS .....	_____		_____		_____
BAGGAGE AREA 1 .....	_____		_____		_____
BAGGAGE AREA 2 .....	_____		_____		_____
TOTAL .....	_____		_____		_____

( C.G. )

	TOTAL USEABLE	TOTAL USEABLE
	EA TANK	EA TANK
PAX .....	170.0 LBS	
CHILD .....	80.0 LBS	
GASOLINE .....	6.0 LBS/GAL	CESSNA 152 13.0 12.25 24.5
OIL .....	7.5 LBS/GAL	CESSNA 172 21.5 20.0 40.0
WATER .....	8.4 LBS/GAL	CESSNA 182RG 40.0 37.5 75.0
JET FUEL .....	6.7 LBS/GAL	PA 23-180 36/18 36/18 108.0

\* SEE AIRCRAFT WEIGHT & BALANCE AND POH FOR CURRENT COMPUTATIONS.