

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.)

PAX	170.0 LBS		TOTAL	USEABLE	TOTAL
CHILD	80.0 LBS		EA TANK	EA TANK	USEABLE
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.