



WEIGHT & BALANCE

AIRCRAFT MAKE & MODEL	AIRCRAFT TAIL # AND MFR YEAR	EMPTY WEIGHT	EMP WT MOMENT	USEFUL LOAD	BAG 1	BAG 2	RAMP WEIGHT	GROSS WEIGHT	LAND WEIGHT
Cessna 152	N25773 77	1149.1	34106.0	525.9	120*	40*	1675	1675	1670
Cessna 152	N94247 82	1171.6	35680.8	498.4	120*	40*	1675	1670	1670
Cessna 172P	N98772 85	1549.0	60366.66	858.0	120*	50*	2407	2407	2400
Cessna 172SP	N409LP 03	1733.7	71858.0	824.3	120*	50*	2558	2550	2550

***NOTE: THE MAXIMUM ALLOWABLE COMBINED WEIGHT CAPACITY FOR BAGGAGE IN AREAS 1 AND 2 IS 120 POUNDS.**

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 EA TANK	USEABLE EA TANK	TOTAL USEABLE
GASOLINE	6.0 LBS/GAL	Cessna 152	13.0	12.25	24.5
JET FUEL	6.7 LBS/GAL	Cessna 172P	21.5	20.0	40.0
OIL	7.5 LBS/GAL	Cessna 172SP	28.0	26.5	53.0
WATER	8.4 LBS/GAL				

NOTE: SEE AIRCRAFT WEIGHT & BALANCE AND POH FOR CURRENT COMPUTATIONS.