Air Cam

WEIGHT AND BALANCE

FOR RIGGING EVALUATION PURPOSES

DATE: X/X/XXXX
SERIAL: AC-XXX
REGISTRATION: NXXXXX

ITEM	SCALE WEIGHT (lbs)	TARE (lbs)
FRONT LEFT WHEEL	38.0	
FRONT RIGHT WHEEL	34.0	
REAR LEFT WHEEL	656.0	
REAR RIGHT WHEEL	651.0	

	NET WEIGHT (lbs)		ARM (in)		MOMENT (in-lbs)	
	38.0	X	22.5	=	855	
	34.0	X	22.5	=	765	
	656.0	X	140.3	=	92037	
	651.0	X	140.3	=	91335	
TOTAL	1379.0	lbs			184992	in-lbs

EMPTY C.G. LOCATION = TOTAL MOMENT /TOTAL WEIGHT = 134.1 in. OR 53% CHORD

Wing Leading Edge Station: 96.128 in.
Chord of Wing: 72.139 in.

ITEM	ARM (in)		WEIGHT (lbs)		MOMENT (in-lbs)	
EMPTY AIRCRAFT	134.1	X	1379.0	=	184992	
FRONT PILOT	45.0	X	156	=	7020	
REAR PILOT	92.0	X	150	=	13800	
FUEL	114.0	X	168	=	19152	
AIRCRAFT CARGO COMPARTMENT	125.0	X	0	=	0	
FLOAT CARGO COMPARTMENT	111.0	X		=		
	TOTAL		1853	lbs	224964	in-lbs

LOADED C.G. LOCATION = TOTAL MOMENT/TOTAL WEIGHT = 121.4 in.

C.G. LOCATION MUST BE BETWEEN **110.8 IN.** AND **125.4 IN.**
GROSS WEIGHT = **2000 LBS.**

Cargo Location: 15.0 in.
Plus + 100 in.
Equals: 115.0 in.