

POWERED PARACHUTE WEIGHT AND LOADING (FIXED ATTACHMENT POINTS)

Date: March 3, 2007

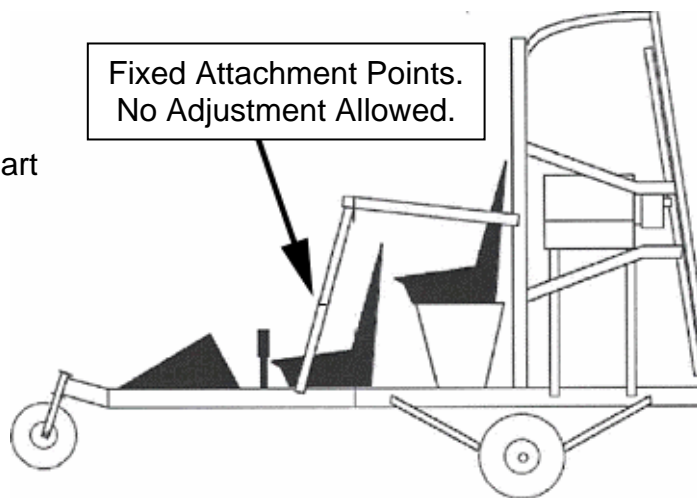
Machine → Make: Six Chuter Model: Spirit XL Serial #: 2909 Registration #: N38P

Canopy → Make: APCO Model: PW 500 MK IV/II Serial #: 706572 Total Lift Capacity: 1000 lb.

Aircraft → Gross Weight: 1000 lb. Empty Weight: 396 lb. Wet Weight: 470 lb.
Useful Load: 604 lb. Gross Seat Load: 530 lb.

Equipment List

1. Rotax 582-99 with type "B" gearbox and electric start
2. 64" PowerFin Propeller
3. Engine Information System (EIS), model 2000G
4. Illusion Strobe (single) with dual driver box
5. Front Disc Brake (made by Sky's The Limit)
6. Front Tire: 4.80/4.00-8, Turf Type
7. Rear Tires: 8.00-6, Turf Type
8. Maximum Usable Fuel = 11.4 gallons = 71 lbs.
9. Maximum Usable Oil = 3.2 pints = 3 lbs.



SEAT LOADING based on . . .

Fixed Attachment Points, Maximum Usable Fuel and Oil, No Baggage

MINIMUM Front Seat Weight = 100 lb.	MAXIMUM Front Seat Weight = 300 lb.
+ <u>Maximum Rear Seat Weight</u> = <u>430 lb.</u>	+ <u>Maximum Rear Seat Weight</u> = <u>230 lb.</u>
Gross Seat Load = 530 lb.	Gross Seat Load = 530 lb.

Notes:

1. **Gross Weight** – The maximum allowable weight of the aircraft and all of its equipment, as specified by the manufacture. For powered parachutes, typically Gross (maximum) Weight is made equal to the Total Lift Capacity specified by the canopy manufacture for the particular canopy being used.
2. **Empty Weight** – The total weight of the complete airframe, engine, parachute and all permanently installed accessories and equipment. Includes unusable fuel and oil determined at design flight attitude (level engine plate). Also includes canopy storage bag and line socks.
3. **Wet Weight** – It is the Empty Weight plus full usable fuel and oil.
4. **Useful Load** – The weight of pilot, passenger, baggage, usable fuel, and drainable oil. It is the Empty Weight subtracted from the Gross Weight.
5. **Gross Seat Load** – The maximum allowable combined weight of pilot and passenger, without baggage. It is the Wet Weight subtracted from the Gross Weight.