

A Technical Data1. Placards Flying speeds

Max. speed	200 km/h
Max. maneuvering speed	170 km/h
Max. speed with landing gear extended	150 km/h
Max. crosswind component take off and landing	25 km/h

Weights

Empty weight	ca. 470 kp
All up weight	750 kp
Max. weight of non-lifting parts	580 kp

Airworthiness Category: Powered Glider

For self-launching approved

For winch- and aerotow not approved

Aerobatics and cloud flying not approved

Max. positive load factor	+ 5,3
Max. negative load factor	- 2,65

Position of center of gravity in flight:

Level line: wedge on turtle deck
1000 : 90 horizontal

Datum line: (BP) wing leading edge
(at the leading edge bend)

Excessive forward position of the C G will bring out a loss of performance. It also reduces the maximum lift attitude and therefore impairs the round out during landing.

5. Loading limits

Payload in cockpit (pilot incl. parachute)
single:

max. 244 lbs min. 154 lbs

dual: max. useful load - (luggage + fuel)
With less cockpit load ballast has to be placed on the seat (lead cushion).
No seat has to be loaded with more than 244 lbs.

Load in the luggage sack:

max. 44 lbs, however with single occupant not over $P = (W_{\text{occup.}} - 154) \cdot 2/3$ (lbs)

There is room at the second seat for luggage when flown single. Yet this luggage has to be secured carefully by the safety belts.

Note: If no parachute is used, a cushion of a minimum thickness of 4 inches compressed has to be used.

B. Control mechanism

1. Control stick

The starboard stick can easily be removed by taking out 2 pins.

Take off run until lift off at 38 knots
(Hard grass) Propeller fine pitch

t° C Elev. (ft.)	0°	15°	30°	W = 1540 lbs
0	720	770	820	
1600	820	890	970	
3300	950	1050	1130	

t° C Elev. (ft.)	0°	15°	30°	W = 1650 lbs
0	840	880	950	
1600	950	1015	1115	
3300	1105	1230	1320	

Take off over a 50 feet obstacle
Propeller fine pitch

t° C Elev. (ft.)	0°	15°	30°	W = 1540 lbs
0	1040	1100	1190	
1600	1180	1260	1380	
3300	1360	1490	1620	

t° C Elev. (ft.)	0°	15°	30°	W = 1650 lbs
0	1200	1290	1380	
1600	1370	1480	1620	
3300	1600	1750	1900	