

CARBON CUB EX-2

SPECIFICATIONS

BUILD TIME

Estimated Build Time 800 - 1,200 hours

ENGINE

Titan CC340 180 horsepower *(no engine restrictions)*

Airfoil Modified USA 35(B) *(same as super cub)*

Wing Loading 10.4 lbs/ft² @ 1,865 lbs 7.4 lbs/ft² @ 1,320 lbs

Power Loading 10.36 lbs/ft² @ 1,865 lbs 7.33 lbs/hp @ 1,320 lbs

Seats 2

DIMENSIONS

Length 23 ft 3 in

Height 8 ft 4 in

Wingspan 34 ft 3 in

Wing Area 179 sq ft

Cabin Width 30" @ pilot position

Cabin Height 52" @ pilot position

WEIGHTS

Empty Weight 921 lbs *depending on equipment*

Gross Weight 1,320 lbs or 1,865 lbs *depending on certification*

CAPACITIES

Standard Fuel 25 Gallons *(24 usable)*

Extended Fuel 44 Gallons *(40 usable)*

Oil 4 qts

PERFORMANCE DATA

Takeoff Distance 60 ft*

Landing Distance 245 ft* *(53 ft in competition*)*

Rate of Climb up to 2,100 fpm*

Fuel consumption 5-6 gph*

Endurance 4 hrs* *with standard fuel (normal, 80hp cruise)*

7 hrs* *with extended fuel (normal, 80hp cruise)*

Max range 450 miles* *with standard fuel*

750 miles* *with extended fuel*

SPEEDS

Vno 101 mph *(normal operating range - top of green on airspeed indicator)*

Vne 141 mph *(never exceed speed - top of yellow on airspeed indicator)*

Vs0 32 mph *(stall speed with flaps down, slowest stall speed)*

Vs1 40 mph *(stall speed with flaps up, clean)*