

# The Cygnet

## Amphibious Special Light Sport Aircraft (SLSA)

**Category:** Weight Shift Trike

**Weight:** 700 lbs

**Max Payload:** 580 lbs

**Float Construction:** Aluminum

**Recommended Engine:** 100 hp Rotax 912

**Fuel:** Mogas 89 Octane or above

**Fuel Capacity:** 12 gallons

**Recommended Prop:** 3 blade Warp Drive

**Recommended Wing:** 19 m<sup>2</sup> North Wing Mustang 3

**Cruising Speed:** 45-50 mph

**Top Speed:** 60 mph

**Stall Speed:** 35 mph

**Rate of Climb:** 1000 ft/min (Single occupant)

**Takeoff Distance:** 350 ft

**Max Wind Operation:** 20 kts

**Endurance:** Over 4 hours

**Range:** 200+ miles

**Water Operation:** Salt or Fresh water

**Land Operation:** Hard or Soft field

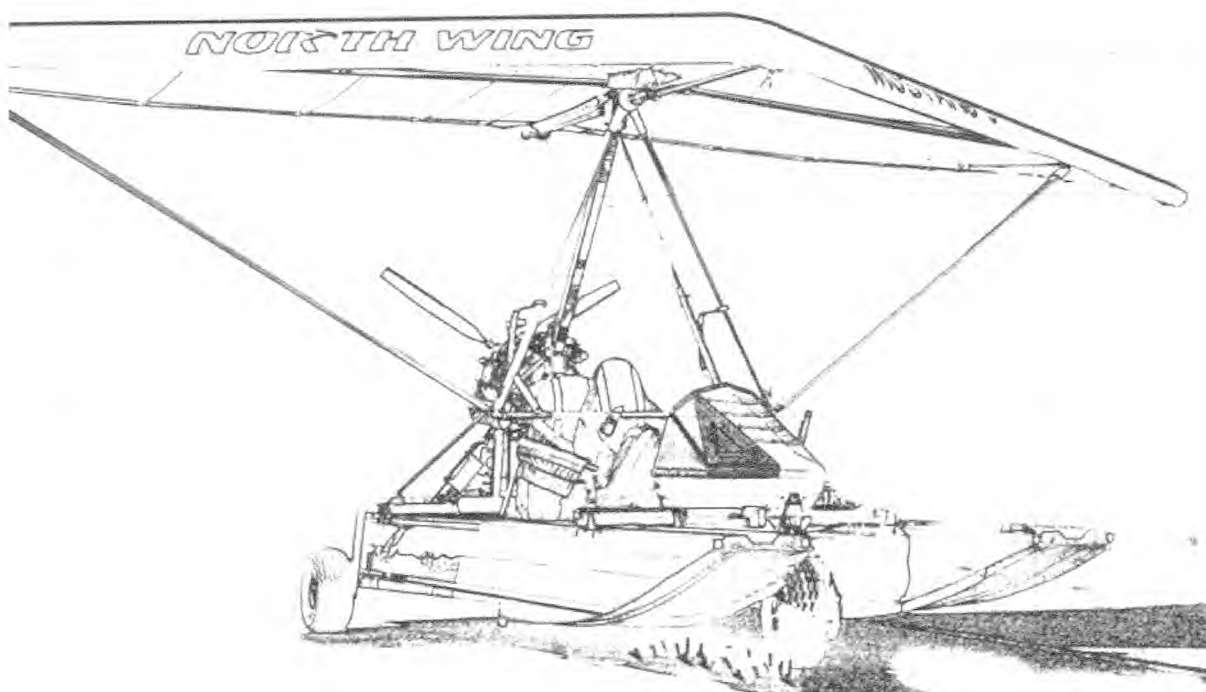
**Pilot Requirements:** Student, Sport, or Private Certificate

**Setup Time to fly:** 20 minutes (1 person)





Cygnet Dimensions  
 April 5, 2014 by Jordon — 24 Comments



Search:

⇅ Inches

⇅ Feet ⇅ Metric ⇅

Wing: Mustang 3

Wingspan--19m2 417.6

Wing Area--19m2

Wing Weight--19m2

Wingspan--20m2

Wing Area--20m2

Wing Weight--20m2

34.8 10.6

206 sq ft 19 sq mt

127 lb 57.7 kg

35.8 10.9

215 sq ft 20 sq mt

140 lb 63.5 kg

Cygnet:

	↕ Inches	↕ Feet	↕ Metric
Height - Wheels Down	107	8.92	2.72 m
Height - Wheels Up	100.25	8.35	2.55m
Width - Outer sides of Rear Wheels	97	8.08	2.46 m
Width - Outer sides of Rear Floats	72	6	1.83 m
Float Length	159	13.25	4.04 m
Depth in Salt Water	10	0.83	0.25 m

#### **Cygnets folded for storage:**

Height - Wing Closed	101	8.42	2.57 m
Height in Low Profile mode (not for trailering)	96	8.0	2.44 m
Height in Low Profile mode AND wheels retracted	89.25	7.44	2.27m
Length - Wing Closed	258	21.5	6.55 m

#### **Cygnets on Custom Trailer**

Height on Trailer	117	9.8	2.97 m
Height on Trailer in Low Profile mode (Low profile mode is for storage only)	112	9.3	2.83 m
Total Length including Trailer	300	25	7.62 m

#### **Cygnets Trailer**

All aluminum and stainless construction. Torsion axle suspension.

Length	186	15.5	4.72 m
Width	97	8.1	2.46 m
Floor Height (adjustable)	16	1.3	0.41 m
Height with ramps up	64	5.3	1.63 m
Trailer Weight	343 pounds	24.5 stone	156 kg

**Low Profile mode explained:** To get the wing to the lowest possible height, take the wing control bar out of its trailering cradles and rest it on the frame. It is a great way to get the wing a few inches lower, but it is not suitable to trailer down the road like that. For trailering, secure the control bar in the cradles.

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Comments

Charles Beaty says

April 10, 2016 at 4:18 am

Mike what is the span on the 20 m wing from tip to tip when opened ?

Reply