

DeltaQuad Specifications

Dimensions

Wingspan	235 cm
Length	90 cm
Wing area	90 sq. dm.
Standard box dimensions	118 x 49 x 40 cm
Flightcase dimensions	114 x 48 x 44 cm
Payload bay	20 x 12 x 8 cm

Weight and Payload

Empty weight	3.3 Kg
Empty weight including battery	5 Kg
Maximum takeoff weight	6.2 Kg
Payload capacity	1.2 Kg
Flightcase weight	21 Kg

Flight Characteristics at no payload

Cruise speed	18 m/s (65 Km/h)
Maximum speed	28 m/s (100 Km/h)
Stall speed	12 m/s (43 Km/h)
Maximum flight time*	2+ hours
Range through air*	120 km

Flight Characteristics at max payload

Cruise speed	16 m/s (60 Km/h)
Maximum speed	25 m/s (90 Km/h)
Stall speed	13 m/s (47 Km/h)
Maximum flight time*	1 hour 50 minutes
Range through air*	100 km

Flight Characteristics with Auxiliary LiPo

Payload capacity	400 g
Maximum flight time*	2 hour 45 minutes
Range through air*	150 km

* These values assume 85% battery usage, low wind conditions and include a low altitude vertical takeoff and landing at sea level

Power

Battery type	LiPo
Battery cells	4s
Battery capacity	23Ah

Tolerances

Maximum takeoff/landing wind **	9 m/s (33 Km/h)
Maximum wind cruise flight **	12.5 m/s (45Km/h)
Maximum precipitation	Drizzle
Operating temperature	Between -20 and +40 Celsius
LiPo temperature	Between +5 and +45 Celsius
Maximum altitude	6500ft (2000m)

All flight characteristics are based on optimized settings at sea level

** These values are based on measurements at flight altitude, levels measured at ground level are usually 20% lower. Requires both a front and back transition into the wind