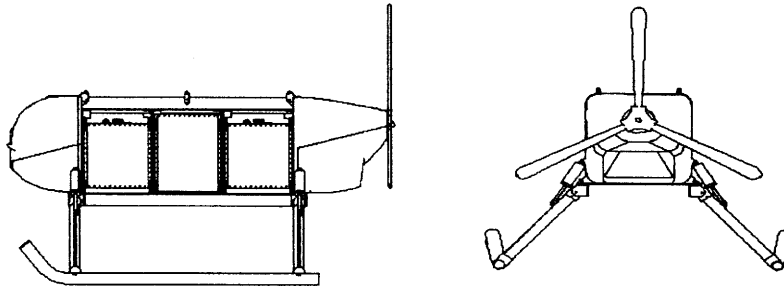


CQ-10 SnowGoose

Users: USSOCOM, U.S. Army

Manufacturer: MMIST, Inc.

Inventory: 32 Delivered/28 Available/74 Planned (2006)



Background: USSOCOM selected the CQ-10A SnowGoose to dispense leaflets for Psychological Operations (PSYOPs), deliver small supply bundles to Special Operations Forces, and provide aerial surveillance and communications relay capabilities. The SnowGoose is a powered, programmable, GPS-guided parafoil with modular payload bays that can carry up to six individual payload or fuel bins. It can be ground launched from a HMMWV or air-deployed from a C-130 or C-17 at altitudes up to 25,000 feet. From the ground, it can climb to 18,000 feet. It can carry up to 575 pounds of leaflets, supplies, or other fixed cargo payloads with an endurance of 1-3 hours or it can stay aloft with a 75-pound payload for 14-16 hours. (Note: Endurance is a function of the selection of ground launch or air launch parachute kit, with greater endurance achieved in its ground launch configuration). The SnowGoose is designed to operate with only four operators with a turn-around time of less than four hours between uses. It was originally developed as the Wind Supported Aerial Delivery System (WSADS) and refined in the Air-Launched Extended Range Transporter (ALERT) ACTD. The first flight occurred in April 2001, and IOC was achieved in Jan 2005.

Characteristics:

	CQ-10A		CQ-10A
Length	9.5 ft	Wing Span	6.8 ft
Gross Weight	1,400 lb fully loaded	Payload Capacity	575 lb
Fuel Capacity	Up to 91 U.S. gal	Fuel Type	MOGAS/AVGAS
Engine Make	Rotax 914 UL	Power	110 hp
Data Link(s)	LOS/BLOS C2	Frequency	L-band
	LOS Video		

Performance:

Endurance	Up to 19 hr (Maximum), 9-11 hr with 200 lb cargo	Max/Loiter Speeds	33/33 kt
Ceiling	> 18,000 ft	Radius	160 nm
Takeoff Means	Airdrop/Truck Launch	Landing Means	Parafoil
Sensor	Configurable	Sensor Model	n/a

