



Barracuda™ USV-T

Naval Target

Based on a modified navy standard, the Barracuda Unmanned Surface Vehicle- Target (USV-T) is a fibreglass hull, rigid inflatable boat (RHIB), powered by a 225 hp marine diesel engine. It operates at speeds upto 36+ knots, a significant performance increase over any other target system in this category.

The Barracuda USV-T allows for remote control from distances greater than 10 nautical miles or can be configured for Over-the-Horizon (OTH) control. A digital radio command link controls the target's course and speed, while telemetry and video signals from the target provide the operator with system performance and position information. A self-contained tracking capability is achieved using position data from the on-board GPS.

This Maritime Surface Target, provided by us, is typically used by customers to represent threats posed by Fast Attack Craft (FAC), Fast Inshore Attack Craft (FIAC) and Close Quarter threats to commercial shipping and Naval vessels and has been used to test the effectiveness and operational readiness of weapon systems, including:

- Surface-to-surface missiles: Harpoon, Exocet, RBS 15, Mistral/SM/Sea Sparrow type systems (various shore/submarine launched missiles)
- Surface-to-air missiles (in surface-to-surface mode): NATO Sea Sparrow, Evolved Sea Sparrow, Standard SM 1, Standard SM 2 Block III A
- Air-to-surface missiles: RBS 15, AGM 65 Maverick, CRV 7, Harpoon, Kormoran, LIDAM
- Naval guns/cannon & close in weapon systems: Phalanx, 25-30 Bushmaster, 40mm Bofors, 57mm Bofors Mk III, 76mm Oto Melara SRGM, 100mm Creusot Loire, 4.5" Royal Ordnance, and 127mm Oto Melara/FMV guns
- The Barracuda replicates high-speed naval tactics and a variety of operational guidance plans, including straight-on high-speed attack, crossing patterns, zigzag, and other evasive manoeuvres. It can be equipped with visual, radar and laser signature enhancements to present a convincing likeness to a variety of naval threats to exercise naval guns, radar and visual IR sensors for naval combat systems.

Specifications

Physical		Key features	
Boat length	7.24m (23.75ft)	Proven speed of 36+ knots in Sea State 2	
Boat beam	2.75m (9ft)	Line-of-sight and Over-the-horizon control	
Boat draft (outdrive down)	0.84m (2.75ft)	Replicates high-speed naval tactics and a variety of operational guidance plans	
Boat draft (outdrive up)	0.43m (1.5ft)	Can tow low-cost 'Kill' targets	
Boat platform weight	2,074kg (4,572lbs)	Tactical applications	
Engine	D4, Volvo supercharged, after cooled, inline 4-cylinder, marine diesel		
Performance			
Temperature	Operating: -30° to +50°C (-22° to +122°F) Storage: -40°C to +60°C (-40) to +140°F		
Maximum speed	36+ knots in SST		
Speed/endurance	36 knots, 4 hrs, 180 nm 20 knots, 10 hrs, 300 nm		
Payload/speed	500lbs/35 knots		
Bollard pull	3000lbs/17 knots (with optimised prop) 2100lbs (9500N), static with A-7 prop		
Control TM range	Over-the-horizon (unlimited distance) tested to 6000km		
Video TM range	>10nm (subject to control station antenna height)		
Control system	Universal Target Control Station (UTCS) – STANAG 4856 compliant		
Engine Performance			
Fuel Capacity	208 litres (46 imperial gallons). Auxiliary fuel tank available		
Outdrive	Volvo Penta DPH Duoprop		
Optional payloads			
Passive radar augmentation (20-5000m ² , I-band)			
Active radar augmentation			
Visual augmentation: smoke, flag, flares, strobes			
Scanning Projectile Impact Evaluation System (SPIES)			
Capable of carrying auto-winch			

Note: Due to continuous process improvements, specifications are subject to change without notice.

For further information please contact :

Anadrone Systems Private Limited
703, Emaar Capital Tower 1
M.G. Road, Sector 26, Gurugram – 122002, Haryana (India)
Tel.: +91 (124) 4207284 / 85 • Fax : +91 (124) 4207287
E-mail : info@anadrone.com
www.anadrone.com