



CATA PRODUCT DESCRIPTION

329-531-114515-01-12

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1. CATA B01 LAUNCHER CHARACTERISTICS

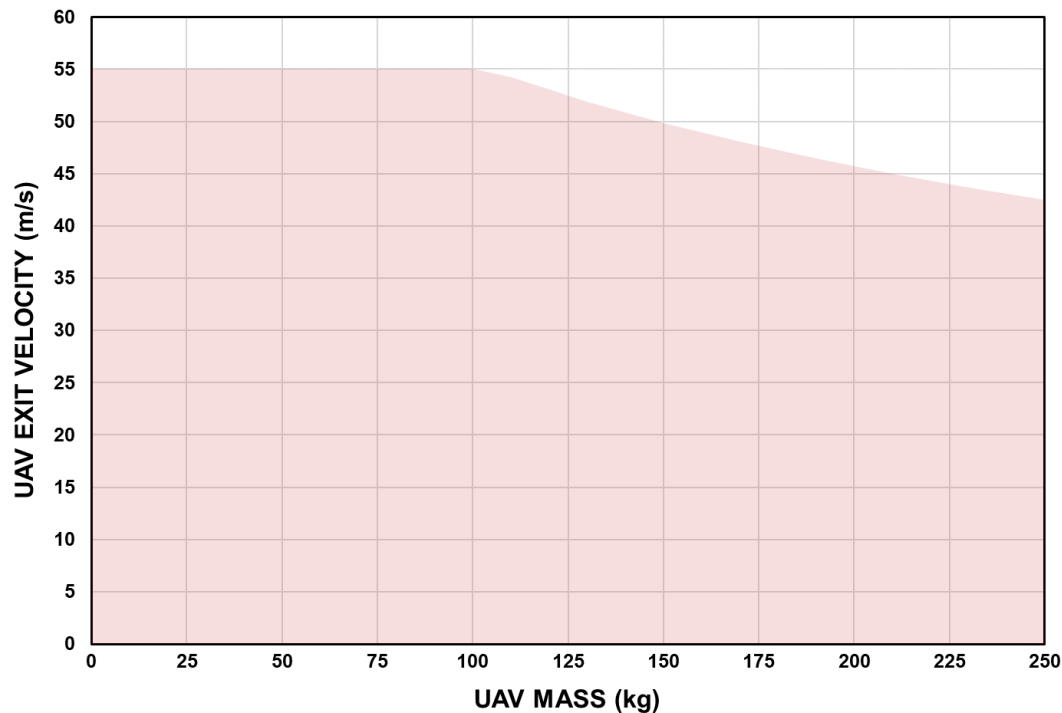
- a) Launcher main structure is built from 7th grade aluminium with high-strength steel parts. The trailer is S355 hot galvanized structure.
- b) The trailer has 16-inch steel wheels with 28-inch All-Weather tires, and two torsion axles.
- c) Height adjustable towbar with multiple hook options.
- d) The trailer is equipped with an inertial brake system and 12-24V lights.
- e) 1.4L 4-piston pump injection diesel engine with 49L tank. Average consumption under compressing load 4l/h.
- f) High pressure compressor manufactured in the EU with an air delivery rate of 680l/min and pressure limited to 200 bars. Operated from the diesel engine using an electromagnetic clutch.
- g) Single propulsion cylinder with 150L carbon-aluminium air tank reservoir.
- h) The propulsion cylinder actuates an 8:1 block mechanism what accelerates and decelerates the carriage where the UAV adapter is fastened.
- i) Special Dyneema high strength rope.
- j) Remote Control Panel (RCP) with 7-inch sun-readable screen and LED light for night operations. RCP is operated from aluminium tripod.
- k) Remote Control Panel (RCP) cable length of 20m.
- l) Two LED area work lights.
- m) External power MIL-D38999 connector with fuse protected 30A 14V continuous power.
- n) Two storage bays for operational equipment.
- o) MTBF 500 launches.
- p) **Included:** Launcher protective cover, lifting belts for crane, daily maintenance tools.

Optional equipment:

- Colour options:
 - RAL 6031-F9 NATO Green
 - RAL 9005 Matte Black
 - RAL 1019 Desert
 - Other colours on request
- Cold Climate Package (CCP) down to -20°C operation.
- Wireless Remote Control Panel (WRCP) – Operational up to 100m LOS.
- Displaying GNSS heading information with $\leq 1^\circ$ accuracy.
- Forklift lifting provisions.
- UAV cooling options.
- UAV Interlock integration.
- Ground strapping anchors.
- UAV adapter and dummy weight design services.
- Customer specific solutions on request.

2. CATA B01 SPECIFICATIONS

- a) UAV weight up to 250 kg (excluding UAV adapter).
- b) UAV Exit Velocity 20-55 m/s.



- c) Maximum launch energy 318 kN.
- d) Maximum adapter mass 30 kg*¹.
- e) Launcher empty weight \leq 3100 kg.
- f) Maximum operational altitude 2000 m AMSL.
- g) Operational with reduced performance from 2000 m to 4000 m AMSL*².
- h) Operational temperatures 0 °C to +50 °C, without Cold Climate Package (CCP).
- i) Operational temperatures with Cold Climate Package (CCP) -20 °C to +50 °C.
- j) Non-operational short term storage temperature of -33 °C to +70 °C.
- k) Non-operational long term storage temperature +20 °C, humidity controlled.

Team Requirements:

- l) Minimum required team is 2 trained and qualified operators.
- m) Standard training of 1 week.

Operational dimensions:

- n) Deployed length 16.8 m (rails extended). Height up to 4.5m when rail at 13 degrees.
- o) Width 2.2 m, height 2.1 without adapter.
- p) Transportation length ~7 m.
- q) For storage and transportation fits into 20 feet ISO container.
- r) The launcher is towable with EU category B vehicle.

¹ Depends on launch velocity.

² Depends on UAV mass and exit velocity, AUX power.

3. VISUAL REFERENCES:



