



# BL-4 ALL-IN-ONE (BOMB LOADER)

## Product Specification -

Self-propelled automotive controlled, hydraulically operated vehicle designed to transport and load aerial equipment including munitions, special weapons and pylons, weighing up to 3,200 kgf (7,000 lbs.), onto military aircraft. The loader is designed to meet military safety regulations and required unique munitions factors of safety – **FOS ≥ 3.0**.

### GENERAL CHARACTERISTICS

Capacity on table .....	3,200 Kgf
Capacity On forks .....	1,300 Kgf
Weight .....	2,700 Kgf

### PERFORMANCE

Table height, lowered .....	345 mm
Table height, extended .....	2,540 mm
Fork height, lowered .....	75 mm
Fork height, extended .....	1730 mm
Lift distance .....	2,192 mm
Lift time, full travel .....	20 sec

### TABLE HYDRAULIC POSITIONING CAPABILITIES

Pitch .....	6 °
Roll .....	6 °
Yaw (spin) cw / ccw .....	360 °
Longitudinal .....	±60 mm
Lateral .....	±60 mm

### HYDRAULICS CHARACTERISTICS

Lift system pressure .....	120 bar
Driving system pressure .....	200 bar

### MOBILITY

Max. Speed unloaded .....	20 KPH
Max Speed loaded .....	10 KPH
Max Slope Unloaded .....	20%
Max Slope Loaded .....	10%
Sideway Slope .....	5%
Braking distance unloaded .....	1,800 mm
Braking distance loaded .....	3,200 mm
Turning radius – Two wheels steering.....	5,244 mm
Turning radius – Four wheels steering.....	2,493 mm
Wheel base .....	2,464 mm

Towing capacity .....	1,890 Kgf
Drive Steering .....	front wheels steering
Work Steering .....	four wheels steering
Service brakes .....	four-wheel Dual caliper disk
Transmission. ....	hydrostatic automotive controlled
Tires (Solid composite) .....	6.5 F-10 SC20+

### ENGINE SPECIFICATIONS

Model No .....	Caterpillar C1.5
Type .....	Diesel, 3-cyl. Four-stroke injection
Rated output .....	25 KW @ 3000RPM
Max Torque .....	92 Nm @ 1200RPM
Cooling system .....	Water-cooled
Displacements .....	1.49 liter

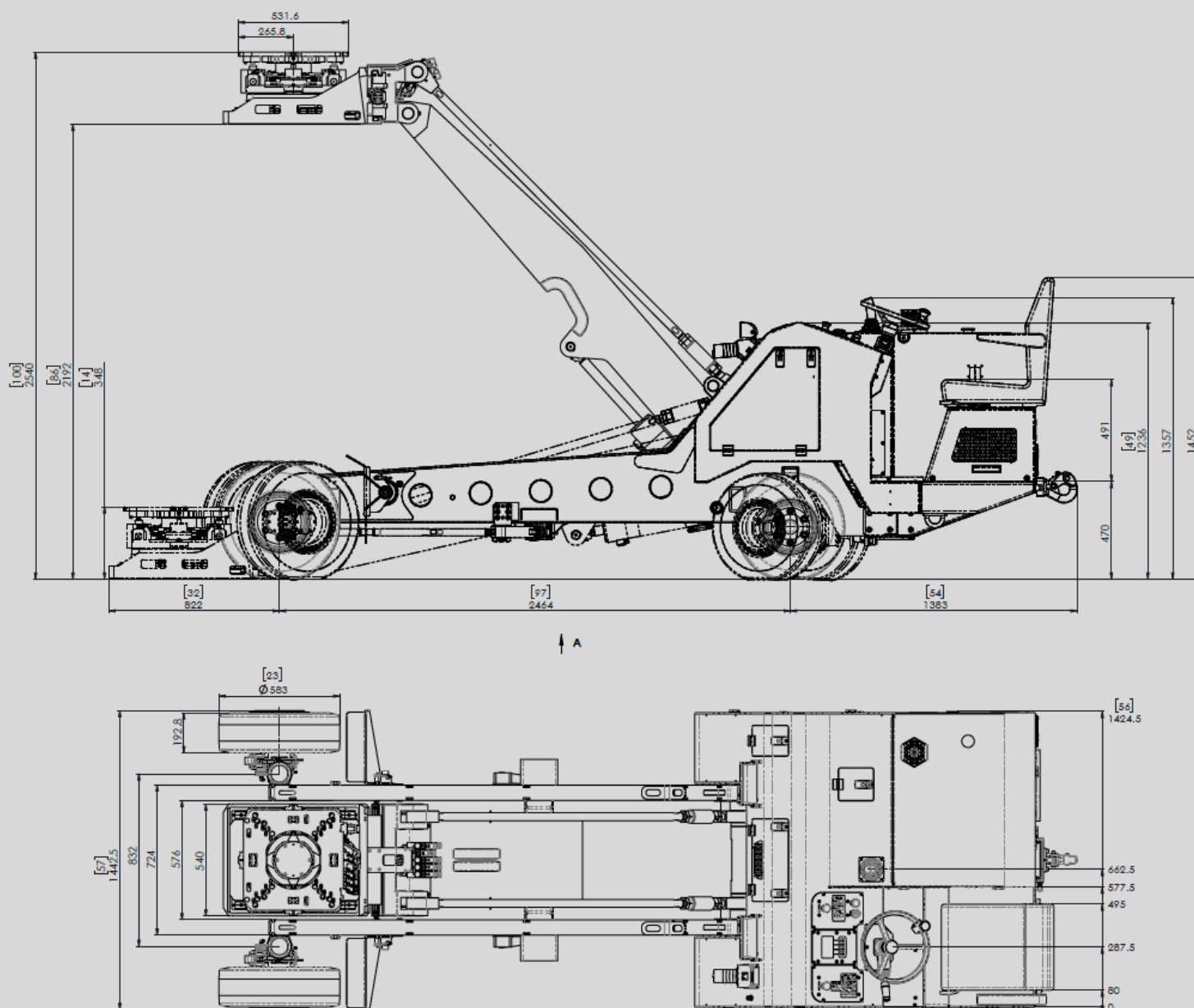
### ELECTRICAL CHARACTERISTICS

12 Volt System



US ADVANCED SYSTEMS LLC.

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- Pure electrically driver – **BL-4e**, Battery powered for zero emission scenarios
- Tethered electrical drive – **BL-4et**, Battery operated, tethered supported, for training facilities, and well-defined operation area

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