



BL-4L

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 $\geq$ 3.0.

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GENERAL CHARACTERISTICS

Capacity on table	3,200 Kgf
Capacity On forks	1,300 Kgf
Width	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

Further configurations -

- 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
- Short version – BL-4S, Same load rating, shorter wheel base by 14", and reduced lifting travel of 65"

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 CHARECTARISTICS

System voltage	12 VDC
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