

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 – $FOS \ge 3.0$.

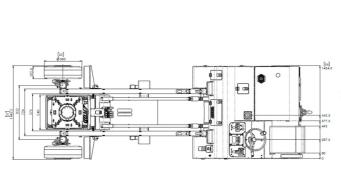


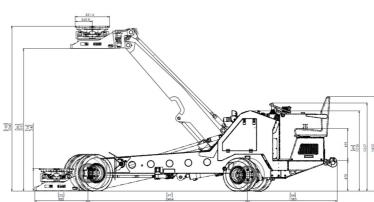
GENERAL CHARACTERISTICS		
Capacity on table	3,200 Kgf	
Capacity On forks	1,300 Kgf	
Width	2,700 Kgf	
PERFORMANCE		
Table height, lowered	345 mm	
Table height, extended	2,540 mm	
Fork height, lowered	75 mm	
Fork height, extended	1730 mm	
Lift distance	2,192 mm	
Lift time, full travel	20 sec	
TABLE HYDRAULIC 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 welldefined 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	
Туре	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		





12 VDC

System voltage