

Product Specification - BL-2

APPLICATION

The BL-2 Weapons Loader is a self-propelled, hydraulically operated vehicle designed to transport, lift and position various kinds of munitions, special weapons and pylons weighing up to 3400lbs onto the Lockheed Martin F-35 Lightning II Joint Strike Fighter (JSF) military aircraft. The BL-2 is ATEX approved and its construction offers innovation and flexibility due to 6 DOF hydraulic operated lifting table.

GENERAL CHARACTERISTICS

Capacity on table	3800 lbs.
Capacity On forks	3400 lbs.
Weight	5000 lbs.

PERFORMANCE

Lift	
On table, min	13 inch
On table, max	78 inch
On forks, min	3 inch
On forks, max	68 inch
Lift time, full travel	15 sec

TABLE POSITIONING CAPABILITIES

Pitch	6 °
Roll	6 °
Yaw (spin) cw / ccw	360 °
Longitudinal	±2.5 inch
Lateral	±2.5 inch

HYDRAULICS CHARACTERISTICS

Lift system pressure	160 bar
Driving system pressure	140 bar

MOBILITY

Max. Speed unloaded	16 km/h
Max Speed loaded	7.5 km/h
Max Slope Unloaded	20%
Max Slope Loaded	10%
Sideway Slope	8%
Braking distance unloaded	1.8 m
Braking distance loaded	3.5 m
Turning radius - Max Load distance	592 mm
Turning radius (total swing clear)	2827 mm
Tread width (Front)	964 mm
Wheel base	1921 mm
Draw Bar Pull	1100 kgf
Steering	Hydraulic 4 wheel steering
Service brakes	4 wheels Dual caliper disk
Parking brakes	Fail safe Brake
Transmission.	hydrostatic automotive controlled
Tires rear (Pneumatics)	21x8-9

ENGINE SPECIFICATIONS

Model No.	YANMAR 3TNV82A-BDSA2 ASM
Rated output	22kw @ 2200RPM
Cooling system	Water-cooled
Displacements	1.33 litter

SAFETY CLASS - ATEX ZONE2 Category 3g T3 (200 deg °C)

ELECTRICAL CHARACTERISTICS

12 Volt System



