

**Product Specification - BL-3**

**APPLICATION**

The BL-3 Weapons Loader is a self-propelled, hydraulically operated vehicle designed to transport, lift and position various kinds of munitions, weighing up to 3175 kgf onto military aircraft.

**GENERAL CHARACTERISTICS**

Capacity on table .....	3175 kgf
Capacity On forks .....	2720 kgf
Weight .....	2860 kgf

**PERFORMANCE**

Lift	
On table, min .....	305 mm
On table, max .....	2438 mm
On forks, min .....	40 mm
On forks, max .....	2170 mm
Lift time, full travel .....	20 sec

**TABLE POSITIONING CAPABILITIES**

Tilt .....	±5 °
Roll .....	±7 °
Yaw (spin) cw / ccw .....	±104 °
Azimuth (boom either side of center) .....	±20 °
Longitudinal .....	±50 mm

**HYDRAULICS CHARACTERISTICS**

Lift system pressure .....	160 bar
Driving system pressure .....	140 bar

**MOBILITY**

Max. Speed unloaded .....	20 km/h
Max Speed loaded .....	10 km/h
Max Slope Unloaded .....	20%
Max Slope Loaded .....	10%
Sideway Slope .....	8%
Braking distance unloaded .....	3 m
Braking distance loaded .....	6 m
Turning radius (total swing clear) .....	6 m
Track width Front(adjustable)/ Rear .....	1292-2916/1235 mm
Wheel base adjustable .....	2360..2970 mm
Steering .....	Automotive hydraulic 2 wheel steering
Service brakes .....	Dual caliper disk
Transmission .....	hydrostatic automotive controlled
Tires rear (Pneumatics) .....	21x8-9 18 ply

**ENGINE SPECIFICATIONS**

Model No .....	YANMAR 3TNV88 BDSA
Rated output .....	33.5 HP @ 3000 RPM Tier IV Interim
Cooling system .....	Water-cooled
Fuel .....	Diesel

**ELECTRICAL CHARACTERISTICS**

12 Volt System



