

A/M32K-10 Munitions Trailer



Specifications:

Manufactured for use by USMC intermediate maintenance activities to transport air launched weapons from munitions storage site to flight line, as part of the ground support equipment for USMC expeditionary airfields. The A/M32K-10 is pulled by the 7 ton MTRV. The A/M32K-10 replaces the A/M32K-4a munitions trailer.

Undercarriage.....	4-wheel, 2-axle, with disc brakes, steering arm and permanently sealed bearings
Tires:	Pneumatic Type: Non-FOD Radial, 215/75 R-17.5 LHR, Load Range E (4,990 lbs at 50 MPH)
Inflate to	100+/-5 PSI
Payload (pounds):.....	15,000
Shipping Weight (pounds).....	5,500
Restraint Capability:	
Main Deck:	Rail System with Lock and Spindle Assemblies
Side Deck:	Bed Stake System
Brakes: Service (Air over Hydraulic with integrated Surge System).....	4-wheel hydraulic
Parking.....	2-wheel mechanical hand lever
Lighting:	LED, Marker and Blackout
Decking:	Aircraft Non-Skid
Corrosion Resistance:	Full Frame Zinc Thermal Spray – Powder Coat Top Coat
Overall Dimensions (inches):	
Height.....	38
Width.....	90
Length	192



Specifications:

The MHU-110/M is a ten wheel flatbed trailer capable of transporting munitions within the 15,000lb capacity. Special adapters/accessories required during handling and transportation of munitions are available for the MHU-110/M. The MHU-110/M can be towed by most vehicles, to include the FLTT.

Undercarriage.....	10-wheel, 3-axle, automotive steering
Tires: Pneumatic Type:	9.00X10 Load Range E Inflate to 50±5 PSI
Payload (pounds):	15,000
Shipping Weight (pounds).....	4,200
Restraint Capability:	
Main Deck Rings:	10,000
Side Deck Rings:	25,000
Brakes:	
Service:	6-wheel hydraulic
Parking.....	2-wheel mechanical hand lever
Overall Dimensions (inches):	
Height.....	30
Width.....	87
Length	180
Wheel Base:	110
Tongue Length:	74



Specifications:

The A/E32K-3 Munitions Assembly Conveyor (MAC) is designed for the rapid build-up of many conventional munitions. The A/E32K-3 comes with two 14.5 feet high gantries connected by four munitions build-up tables. The A/E32K-3 uses pneumatic powered hoists. The A/E32K-3 is a mechanical assembly line system to load and unload munitions, where one gantry loads unassembled munitions onto the build-up tables, and the other gantry is used to load built-up munitions onto transport trailers. Each build-up table has built-in air delivery lines to support pneumatic tools.

Using the A/E32K-3 MAC noticeably increases the efficiency of munitions buildup operations and significantly decreases the amount of time required to assemble bombs and other munitions. The A/E32K-3 can be completely assembled or disassembled in an hour or less for easy storage or transport. For other product information, visit us on the web at: www.growlerme.com

Overall Dimensions (Feet):

Height.....	14.4
Width.....	12.5
Length	70.0
Weight	2,468 lbs.

GROWLER^{MANUFACTURING & ENGINEERING}_{BHG} A/M32U-21 Maintenance Trailer



Specifications:

The Maintenance Trailer is compatible with the Medium Tactical Vehicle Replacement (MTVR), and Flightline Tow Tractor (FLTT). The maintenance trailer is used to support the A/E32K-3 Munitions Assembly Conveyor (MAC) and A/M32K-11 Munitions Lifting Assembly (MLA) for weapons build up, the A/37T-35A Common Rack and Launcher Test Set and A/N/GYQ-79 Common Munitions BIT Reprogramming Equipment (CMBRE) as part of ground support equipment for Munitions build-up operations.

GENERAL CHARACTERISTICS

Gross vehicle weight	11, 500 LBS
Shipping Cubage	410 CU. FT.
Bed Length	192 IN
Overall Length (with drawbar in up position)	207 IN.
Overall Length (with drawbar in down position)	287 IN.
Bed Height.....	38 IN.
Overall Height	74 IN.
Overall Width	90 IN.
Turning radius	30 FT.

COMPRESSOR CHARACTERISTICS

Weight	2050 LBS
Width	33.5 IN.
Height	47 IN.
Length.....	84 IN.

A/M32U-21 Maintenance Trailer Continued

COMPRESSOR:

Type..... Rotary Screw
Maximum Operating Pressure 100 PSIG (6.9 BAR)
Delivery 185 FREE CFM (87 LIS)
Operating Tilt (maximum)..... 15 Degrees
Electrical System 12 Volt
Compressor Discharge Temperature Shutdown 250°F (121°C)
Rated Pressure 100 PSIG (7 bar)

ENGINE

Type..... John Deere Diesel
Model..... 4024T
Displacement 149 CU. IN. (2.44L) Cylinders 4
Rated Speed 2800 RPM
Rated Power 60 HP (44.7 kW)
Fuel Tank Capacity..... 24 Gallons (91 liters)
Radiator Capacity 2.5 Gallons (9.5 liters)

0/60 HZ (MEP-1040) AND 400 HZ (MEP- 1041) GENERATOR SETS CHARACTERISTICS

Model Numbers

10 kw 50/60 Hz MEP-1040
10 kw 400 Hz MEP-1041

Length

MEP-1040/1041 55 IN.
MEP-1041 55 IN.

Width

MEP-1040/1041 32 IN.

Height

MEP-1040/1041 36 IN.

Dry Weights

MEP-1040/1041 995 LBS EACH

Wet Weights

MEP-1040/1041 1073.5 LBS EACH

Engine

Manufacture Yanmar Model 3TNV84T-BMCU
Type Direct Injection, Three Cylinder, Four Cycle, 91.275 C IN.

Cooling System

Type Pressurized Radiator, Forced Circulation
Normal Operation Temperature Range 185° F-223° F

A/M32U-21 Maintenance Trailer Continued

Fuel System

Type Diesel Fuel (DF)-2D (ASTM D975)
Fuel Tank Capacity 6.30 Gallon
Fuel Consumption Rate 50/60 Hz 0.63 Gallon Per Hour
Fuel Consumption Rate 400 Hz 0.69 Gallon Per Hour

Auxiliary Fuel Pump

Voltage Rating..... 24 VDC
Batteries..... 2 X 12 VDC (52 Ampere Hours (AH) In Series

AC Generator

Manufacturer Cummins Power Generation (CPG)
Model (50/60 Hz) YD-6050-10
Model (400 Hz) YD-400-10 (400 Hz)
Load Capacity..... 10 kW

Current Ratings

120 V 1-Phase Connection 104 AMP
120 V/240 V 1-Phase Connection 52 AMP
120 V/208 V 3-Phase Connection 34 AMP Power Factor 0.8
Duty Classification Continuous

Coolant High Temperature

Trip Temperature..... 223° F
Voltage Rating..... 24 VDC
Current Rating 1 Ma Over Voltage
Trip Point Conditions 120V 1 Phase 50 Hz – 122 V; 120 V 1-Phase 60 Hz-126/240 V; 120/208 V 3-Phase 50 Hz-122/212 V; 120/208 3-Phase 60 Hz-126/240 V; 120/240 V 1-Phase 50 Hz-122/244 V; 120/240 V 1-Phase 60 Hz-126/252 V Trip Point No more that 1.5 sec after trip conditions met

TOWING SPEEDS

Max Towing Speed Paved Road..... 40 MPH
Max Towing Speed Gravel Roads..... 25 MPH
Max Towing Speed Rough Terrain 5 MPH

TIRES

Pressure 100 PSI
Size..... 215/75 R 17.5 LRH

TRAILER ASSEMBLY ELECTRICAL SYSTEM

Voltage 12/24 VDC
Lighting LED

AIR SYSTEM ACCUMULATOR

Charging Material Nitrogen
Pressure 350 +/- 50 PSI

A/M32U-21 Maintenance Trailer Continued

AIR AND BRAKING SYSTEM

Operating Air Pressure 90-125 PSI
Air Tank Capacity 1488 CU. IN.
Service Brakes (type) Air Over Hydraulic Disc
Surge Brakes (type) Hydraulic Disc
Parking Brakes (type)..... Mechanical Disc
Emergency Brakes (type) Air Over Hydraulic Disc



GROWLER^{BHG} MANUFACTURING & ENGINEERING M1161 Light Strike Vehicle (LSV)



Specifications:

GROWLER manufactures the M1161 Light Strike Vehicle (LSV, NSN: 2320-01-531-2701) and M1163 Prime Mover (PM, NSN: 2320-01-531-7659). These vehicles are used by the United States Marine Corps (USMC) Special Operations Command (USSOCOM), and fielded as a light attack vehicles to support expeditionary forces. The M1161 replaces the Interim Fast Attack Vehicle (IFAV). The M1161 and M1163 are the only tactical vehicles certified by the US Military to fly in the V-22. This new design includes a hinged pintle hook, removable and collapsible roll cage and vehicle stacking capability.

Length:	163.0 in.
Height:	75.5 in.
Width:	60.0 in.
Reducible height:	55 in.
Curb weight:	4,536 lbs.
Gross weight:	6,536 lbs.
Fording depth:	30 in.
Max Speed:	85 MPH
Highway payload:	2,000 lbs.
Cross country payload:	2,000 lbs.
Passenger Capacity:	4
Fuel type:	Diesel/JP8
Fuel tank capacity:	Dual 13 gal. tanks
Fuel consumption:	17 mpg
Fuel consumption per hour:	3.5 gal @ 60 mph

M1161 Light Strike Vehicle (LSV)

The M1161 and M1163 come equipped with a 9,500 lb winch; central tire inflation; run flat tires; NATO slave cable and receptacle; full weather enclosure and heater; class 3 seats; An external air connection and hose to pump up tires of other vehicles; 24V electrical system; and multi-fuel compatible engine DF2 and JP-8



In addition, the M1161 and M1163 can climb a 60% vertical and 40% side slope, including stop and hold; traverse a 15 inch step; a top speed of 85 mph; and is "guns up and ready" less than 1 minute.



The Expeditionary Fire Support System is comprised of a Prime Mover (PM) vehicle, 120mm towed rifle mortar weapon, and ammunition trailer. EFSS expands the maneuver commander's choice of fire support capability against an array of targets including light-armored, motorized and dismounted personnel; command and control systems; and indirect fire systems.



M1161 Light Strike Vehicle (LSV)

These vehicles are designed to meet the 60" maximum width requirement for transportability in the MV-22. The strategic Size and weight ensures a tactical mobility that is equal to that of the supported force. The vehicle is capable of operational ranges out to 360 miles enhancing the system's cross-country mobility for indirect fire support operations.



M1163 Prime Mover Vehicle (PM)



Specifications:

GROWLER manufactures the M1163 Prime Mover (PM, NSN: 2320-01-531-7659) and M1161 Light Strike Vehicle (LSV, NSN: 2320-01-531-2701). These vehicles are used by the United States Marine Corps (USMC) Special Operations Command (USSOCOM), and fielded as a light attack vehicles to support expeditionary forces. The M1161 and 1163 replaces the Interim Fast Attack Vehicle (IFAV). The M1161 and M1163 are the only tactical vehicles certified by the US Military to fly in the V-22. This new design includes a hinged pintle hook, removable and collapsible roll cage and vehicle stacking capability.

Length:	120.0 in.
Height:	75.5 in.
Width:	60.0 in.
Reducible height:	55 in.
Curb weight:	3,934 lbs.
Gross weight:	5,934 lbs.
Fording depth:	30 in.
Max Speed:	85 MPH
Highway payload:	2,000 lbs.
Cross country payload:	2,000 lbs.
Passenger Capacity:	3
Fuel type:	Diesel/JP8
Fuel tank capacity:	Dual 12 gal. tanks
Fuel consumption:	17 mpg
Fuel consumption per hour:	3.5 gal @ 60 mph

M1163 Prime Mover Vehicle (PM)

The M1161 and M1163 come equipped with a 9,500 lb winch; central tire inflation; run flat tires; NATO slave cable and receptacle; full weather enclosure and heater; class 3 seats; An external air connection and hose to pump up tires of other vehicles; 24V electrical system; and multi-fuel compatible engine DF2 and JP-8



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C9000 Tactical Trailer Subsystem



Specifications:

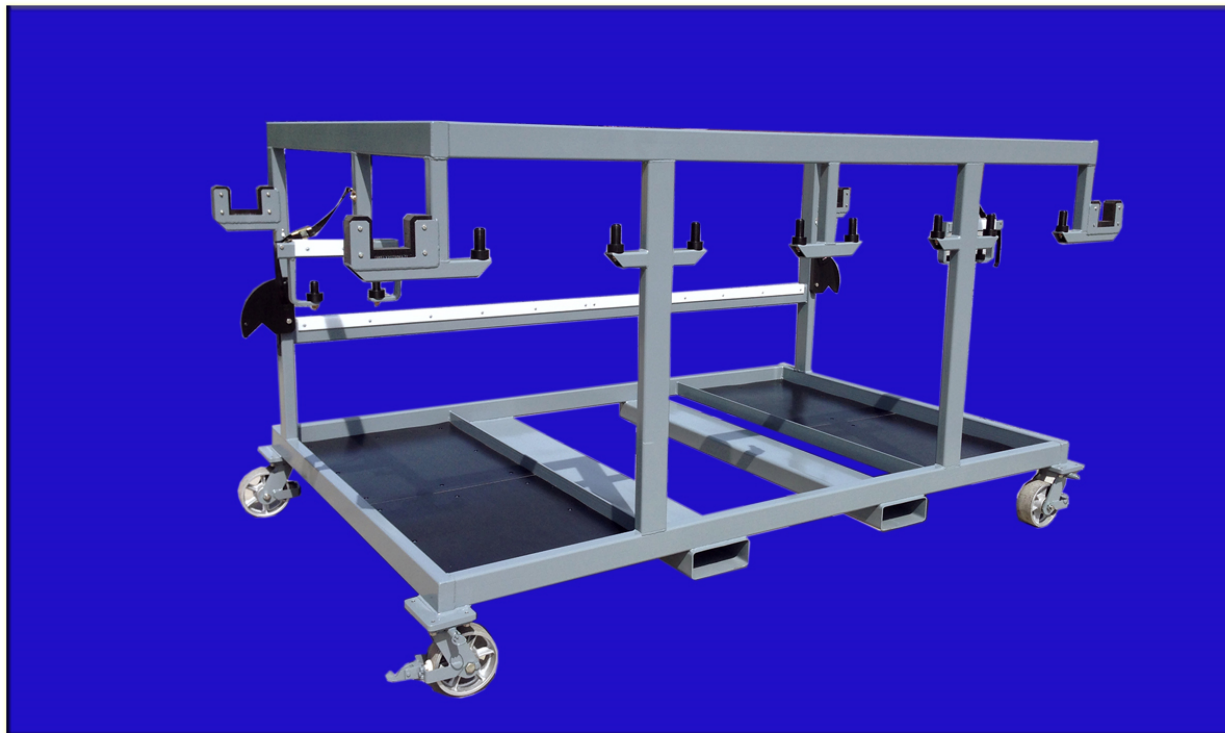
Growler's Tactical Trailer Subsystem was developed to support the Cerberus Security Sensor Systems. Built on a light-tactical trailer, Cerberus Subsystem is a part of a family of Expeditionary Mobile, pre-engineered, outward-looking detection and imaging sensor suites. For enhanced mobility, these items are integrated on a Light Tactical Trailer – Flat deck Extended (LTT-FE), which is towed by a High Mobility Multi-purpose Wheeled Vehicle (HMMWV), and is self-powered by a standard Army 3-kW generator with HMMWV compatible batteries and an auxiliary fuel tank.

The C9000 Tactical Trailer comes ready for installation of government and/or contractor furnished equipment and materials such as radar, camera, and other detection devices. Materials installed on the C9000 are:

- Upper and Lower Mast Assemblies
- Mast and Mast cables
- Wiring Harness
- Batteries
- Battery Chargers
- Environmental Storage Enclosures
- Fuel Tank
- Hardware
- Generators and Mounting hardware
- Steps and Handles



F-35; F-15; F-16 Pylon Storage Stands



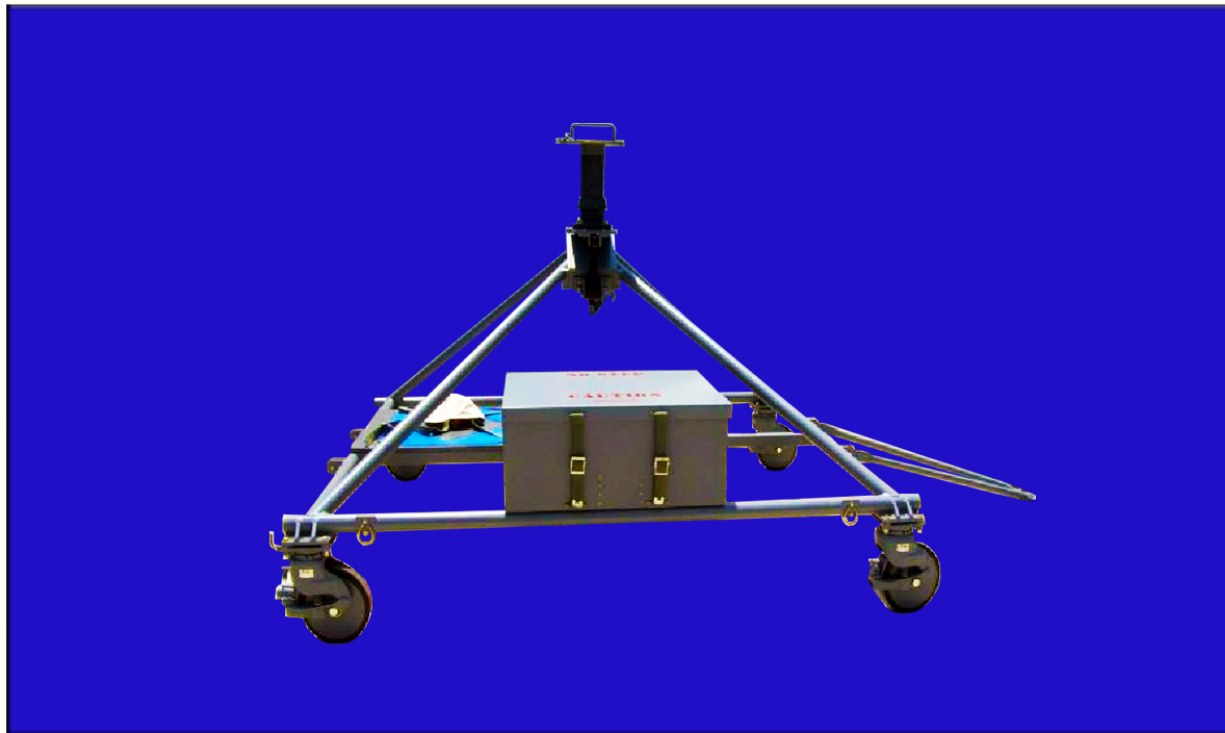
Part Number: X971068 – F-15
 X200025470 – F-16
 X20118080 – F-35

The F-15, F-16, and F-35 Pylon Storage Stand are designed to hold up air-to-air and air-to-ground pylons, with launchers. The pylons are loaded on the stand using the MJ-1 bomb lift truck and the F-15, F-16, or F-35 pylon load adapter (EPLA). A Pylon lift beam is used to secure the pylon to the stand.

Overall Dimensions (inches):

Height	66
Width.....	80
Length	138
Weight.....	1,160

Trailer, Propeller, C-130



Specifications: 1740-00-874-9337 RN

The trailer is used to secure and transport C-130 (E/B Aircraft) propellers, and positions the propeller for maintenance and is air transportable. The weight of the trailer and propeller assembly is supported by four 360°, 500 pound castors capable of being locked in 15° increments. Eight tie-down rings are available to secure the propeller for transit. The propeller trailer is also equipped with a storage box for organization of components that are not in use. The tow bar feature is detachable and can be used at convenience on either end of the trailer. The trailer also features an arbor protector which locks the propeller in place for transit purposes, as well as a dust seal cap. A hand operated screw jack assembly is incorporated into the support plate for carrying the propeller resting angle from 37° to 95°.

Overall Dimensions (inches):

Height, arbor at 90°.....	50.15
Width.....	78.88
Length	100
Weight.....	750
Load capacity.....	1,160

Huntmaster Hunting Blind



Specifications:

The Huntmaster, a wheelchair accessible hunting blind, is designed for hunters who can no longer climb or choose not to climb trees to reach hunting blinds. The Huntmaster can quietly go from ground level to a comfortable elevated position of 21 feet. It features a 6' X 5.5' compartment, a failsafe hydraulic system (powered by a heavy duty 12V deep cycle battery recharged by a solar panel), four steel beam outriggers and adjustable stabilizers. The Huntmaster comes complete with shooting openings on all sides, and at a gross weight of 5,500 pounds can be towed by almost any vehicle with a standard trailer hitch. Hydraulic controls in both the inside and outside allow for one person set-up and operation.

- Cabin raises 21 feet by an electro-hydraulic lift system
- Shooting openings 15 1/2" H X 40" W on all four sides
- 750lb cabin capacity (equal to 2 to 3 people plus equipment)
- Dual cabin lift control system
- 6' X 8' trailer bed with loading ramp
- Lockable battery/electro-hydraulic control box
- Trailer meets all D.O.T. requirements for highway towing
- Stability tested in up to 30mph winds
- Electric brakes
- 2nd 12 V deep cycle battery
- Fold down bench seat in cabin
- Cabin cooling fan
- Spare tire
- Gun rack in cabin
- Six cargo tie downs in trailer bed
- Folding lug wrench
- 8" X 8" wheel chocks
- Interior lights
- 12 V DC receptacle
- 12 V meter & toggle switch
- Camouflage or solid color paint

Hoot Amphibious ATV



The "Hoot" is an amphibious ATV designed to maneuver in both dry and wet environments. The balloon tires provide a softer ride, superior traction control on land and aid in flotation. The tire tread design provides for control and propulsion in water. The lightweight, full-length, fiberglass frame and body is fully enclosed, shielding the riders from splashing mud and water and supports flotation. Its compact size, light weight, and skid steering allows versatility on rough terrain. The simplicity of the design makes it low maintenance, and the weatherproof switches and sealed batteries provide corrosion control. The full-length skid plates provide protection from debris and terrain hazards.

With all six wheels driving there's not much the Hoot can't overcome.

- Amphibious
- 25 mph on Land, 3 mph on Water
- Skid Steering with Traction Control
- Ballon Tires for Softer Ride and Flotation
- Shock Absorbing Seat
- Steel Axles
- Easy Loading in a standard size pick-up truck
- Weight: 760 lbs.
- 92.5" L X 48" H, 53" Wheelbase, and 6.5" Ground Clearance
- 550 lb. Carrying Capacity
- Head and Tail Lights
- 426cc (18 hp) Briggs and Stratton Four Stroke Engine
- Weather Proof Switches and Sealed Battery
- Hardened Sprockets and HD Drive Chain
- Automatic Transmission no Gear Shifting