

Specification

Prescott National Forest Unmanned Aircraft Systems (UAS) Off-Road Enclosed Cargo Trailer

General Information

Prescott National Forest Off-Road Enclosed Cargo Trailer

WCF# 3758

The Prescott National Forest to purchase one brand new 14 feet off-road enclosed cargo trailer.

The technical requirements and specifications of the Enclosed Cargo Trailer include:

Requirements

Technical Requirements

Item	Specs
Trailer Type	Enclosed Cargo Trailer, Toy Hauler, Off-Road Capable
Floorplan	7'x14'
Length	14'0"
Width	7'
Deck	The height of the deck must be 21" high.
Trailer Tongue	5 ½ foot tongue including a 1-foot removable shank and coupler with a 2-5/16" hitch receiver.
Axle	2 3500lb torsion axle with electric brakes
Tires	32" Mud Terrain
Construction	16" on center walls, floor, and ceiling
Construction	Reinforced exterior corners and walls. Diamond-plated panels.
Roof rack	Aluminum roof rack with ladder for access.
Generator Storage	Tongue mount generator platform with lockable enclosure. Size: 32" x 24"
Item	Specs
Access Door	Locking side door with cam bar
Safety	Folding step for side door
Access Door	Rear Ramp door with spring assist close and cam bars
Interior Height	Minimum of 6'6"
Flooring	Nonskid surface protection. Rubber, coin-pattern floor, and ramp. Must be chemical, moisture, and mold resistant trailer flooring.

Insulation	Insulated walls and ceiling
Wall	Interior aluminum liner
Window	(2) slider windows with screens
Electric	DC battery box with charger
Electric	50-amp shore power access with 4 interior outlets and 1 exterior GFI outlet
Electric	A/C and heating unit. Must be roof-mounted.
Ventilation	Roof vent – non-electric powered with appropriate weather sealing. Standard size for most trailer manufacturers
Security	At least 6 D-rings for the floor 8 wall-mounted cargo hooks
Electric	(2) 110V 4-foot LED interior ceiling lights spaced for optimum lighting
Item	Specs
Electric	(4) 12V LED Exterior work lights (24" x 4")
Electric	(2) 12V LED Exterior rear spot/load lights (3"x3")
Electric	(6) 12V LED interior puck lights (4.5" x 2.5")
Electric	(4) interior wall outlets with 50-amp power package.
Electric	50-amp detachable cord for shore power.
Electric	(1) exterior outlet.
Electric	(1) 12V high-capacity deep cycle battery with box and battery charger. With trickle charger
Max Trailer GVW	3500 lbs.
Safety	Drop-down stabilizer jacks
Safety	Trailer Brakes
Electric	Plug wiring must be a 7-way round connector with blade pins
Color	White
Payload Capacity	1500 lbs.
Hitch Type	Standard for size

<i>Item No.</i>	<i>Deliverable</i>	<i>Objective</i>	<i>Due</i>
<i>1</i>	<i>Off-road Capable Enclosed Trailer for UAS Operations</i>	<i>One enclosed trailer for transporting UAS aircraft and supplies to all locations on the Prescott National Forest.</i>	<i>60 Days After Award</i>









