



MODEL ARF-6V MODULAR FIBERGLASS ANIMAL VAN TRANSPORT

SPECIFICATIONS

The following specifications are provided in order to describe and specify the design, construction, materials and equipment utilized and installed in the fabrication of a Swab Model ARF-6V Modular Fiberglass Animal Van Transport.

DESCRIPTION:

Standard Model ARF-6V Animal Transport Van to consist of six (6) animal compartments. Compartments fabricated using molded fiberglass-reinforced plastic construction to eliminate seams and cracks. Smooth finish with rounded compartment corners to facilitate clean-out and prevent penetration of compartment boxes by animal’s teeth or claws. Separate compartment boxes set in tubular aluminum framing to allow for transfer of van module to new van unit of equal size. To be Model ARF-6V as manufactured by Swab Wagon Company, Inc. of Elizabethville, Pennsylvania, or approved equal.

WEIGHT:

Weight of combined animal compartment modules exclusive of optional equipment – 650 lbs.

COMMERCIAL VAN:

To be provided by Purchasing Agency. Standard commercial van to be of “STANDARD” length to provide sufficient cargo space for ARF-6V modular compartment boxes and equipment. Van equipped with single rear wheels. Other van equipment items at Customer’s option.

SUITABLE COMMERCIAL VANS:

Make	Model	Wheelbase (in.)	
Chevrolet	1500HD	135	
Chevrolet	2500HD	135	
Ford	E150SD	138	
Ford	E250SD	138	

VAN DRIVER AND PASSENGER BULKHEAD

A full width and height bulkhead shall be installed between the driver and passenger compartment and the animal compartment of the vehicle to separate the vehicle occupants from noise and smell coming from the animal compartment. Bulkhead to be constructed of .63” aluminum treadplate facing forward cages. Tight-loop carpeting material installed, full height and width, on driver and passenger side of bulkhead. Bottom of bulkhead to have compartment

with opening inside lower/forward curb side entry doors installed to house catch poles and other equipment. Vertical hinged door installed on bulkhead compartment with single-point, stainless d-ring lock handle. Door gaskets installed to prevent water from entering during clean-out. A clear, non-sliding plexiglass window shall be installed to allow monitoring of animals being transported in forward common area and forward-facing compartments.

FORWARD COMMON AREA SIDE CAGE DOORS: (OPTIONAL)

Side cage doors constructed of heavy-duty, 1” square tubular steel framework with expanded steel grating material installed on inside of both side double entry doors. Main cage doors hinged with stainless steel hinges towards front of van to allow door to be swung-in to meet with forward-facing compartment cage door to create “cattle chute” to aide in securing of aggressive animals. Cage door to have two (2) spring-loaded latches installed. Inner spring-loaded double doors to swing in to allow placing of non-aggressive animals in forward common area. Inner spring-loaded double doors to be constructed of 3/8” steel rod framework with 1/4” vertical rod upright welded to frame. Two (2) stainless steel spring-loaded hinges installed on each door.

COMPARTMENT BOX CONSTRUCTION:

Solid fiberglass-reinforced plastic construction. Each compartment box to be of “one-piece” molded fiberglass construction without cracks or seams to eliminate collection of dirt and diseases. Each compartment box to be a separate compartment to prohibit contact by animals with animals adjoining compartment. Each compartment to have smooth finish with rounded corners to facilitate clean-out. Color of compartments to be Frost White #F8W-2030 gel coat molded into compartment box interior surface during construction. Extra fiberglass material installed in the bottom of each compartment box at the 24” depth to provide extra support for the under-box support tube.

COMPARTMENT DIMENSIONS – LAYOUT OPTION 1.

Rear Facing - upper tier (2)	18” H x 26” W x 30” D
Rear Facing – lower tier (2)	18” H x 26” W x 30” D
Front Facing – lower tier (2)	30” H x 26” W x 30” D

COMPARTMENT DIMENSIONS – LAYOUT OPTION 2.

Rear Facing - lower tier (2)	30” H x 26” W x 30” D
Front Facing – lower tier (2)	30” H x 26” W x 30” D

COMPARTMENT CAGE DOORS:

All compartments equipped with heavy-duty, powder-coated wire grille safety doors consisting of 3/8” frame and horizontal rods with 1/4” vertical rods welded at all intersections. Doors to have 6” x 3-1/2” arm and pole cut-out in center at latch edge. Doors hinged toward front on stainless steel, spring-loaded hinges and equipped with spring-loaded, slam-type door latch. Hinges installed on 1/8” thick mounting plates welded to door outer frame. Door to swing out when open providing full use of depth of compartment.

MODULE FRAMING

Above compartment boxes set into tubular aluminum framework, which will be welded together into three (3) separate modules. Framework to consist of 1" x 2" x .125" tubular aluminum frame to support front of each compartment box with a tube ran cross-wise at the 24" depth to support the rear of the compartment box. Each compartment box fastened into module frame by means of a super-strength, aircraft quality industrial adhesive. Each module securely bolted through van floor at each module upright support location. Upper tier compartment box modules bolted to lower tier compartment box module. All compartment box flange seems to be completely sealed with Sikaflex adhesive caulking after installation.

STORAGE SHELF:

30" Deep x 20" high x 54" wide storage shelf located above front facing animal compartments.

EXHAUST VENT:

One (1) Fan-Tastic Vent Model 2000 DMBT installed on body roof. Variable speed motor With maxim capacity of 920 SCFM. Control located at driver's location. Exhaust vent is deleted when optional air conditioning is installed.

ALUMINUM PANELING AND TREADPLATE FLOORING:

All exposed interior van body walls and ceiling be covered with .63" aluminum. Panels installed with Sikaflex adhesive caulking to seal off any moisture from getting underneath panel. Rear step area, side entry door steps, and "common area" floor between forward-facing cages and forward bulkhead to be covered with .63 aluminum treadplate.

AIR CONDITIONING SYSTEM: (OPTIONAL)

One (1) ACC Climate Control #23043 24,000 BTU/HR Cooling evaporator unit suspended above rear-facing compartment cages. Air from evaporator unit ducted to vent at upper/back of each of the six animal compartments. Return air vents installed in rear-facing aluminum treadplate garnish plate above rear-facing animal compartments. System to include one (1) - #25014 skirt condenser unit installed underneath forward/driver's side of van body. Completed system performance tested with copy of test report included in vehicle owners manual.

AIR CONDITIONING SYSTEM WITH HEAT: (OPTIONAL)

One (1) ACC Climate Control #22002A (20,000 BTU/HR Cool 32,000 BTU/HR Heat) Heat/Cool evaporator unit suspended above forward-facing compartment cages. Air from evaporator unit ducted to vent at upper/back of each of the six animal compartments. Return air vents installed in forward-facing aluminum treadplate garnish plate above forward-facing animal compartments. System to include one (1) - #25014 skirt condenser unit installed underneath forward/driver's side of van body. Completed system performance tested with copy of test report included in vehicle owners manual.

EXTREME CLIMATES - AIR CONDITIONING SYSTEM WITH HEAT: (OPTIONAL)

One (1) ACC Climate Control #22002A (20,000 BTU/HR Cool 32,000 BTU/HR Heat) Heat/Cool evaporator unit suspended above forward-facing compartment cages. Air from evaporator unit ducted to vent at upper/back of each of the six animal compartments. Return air vents installed in forward-facing aluminum treadplate garnish plate above forward-facing animal compartments. System to include one (1) - #25014 skirt condenser unit installed underneath forward/driver's side of van body. Completed system performance tested with copy of test report included in vehicle owners manual.

TEMPERATURE MONITOR: (OPTIONAL):

Digital TI-350 series temperature indicator gauge installed on chassis cab dash. Unit wired through TS-10-3 sensor probe located in body air duct allowing driver to monitor animal compartment temperature from cab.

CAB CENTER RADIO/SWITCH CONSOLE: (OPTIONAL)

One (1) Jotto Desk #425-6011 medium standard console installed between front cab seats, behind existing factory cub holder/storage console. Console to include lighted type rocker switches with back-lit labels for all specified 12VDC warning/scene lighting. Console to house above digital monitor if provided bracket for mounting of customers radio(s) and rear traffic advisor control head (if specified).

MINI STROBE BAR LIGHT: (OPTIONAL)

One (1) Whelen Guardian G5 series 17" bar light installed on forward van roof. Bar light to have dual amber strobe beacons with center diamond mirror and clear outer lens with permanent mount kit. Switch installed on center radio/switch console.

SCENE LIGHTS - SIDE: (OPTIONAL)

One pr. Weldon #3710-1000 work lights installed - (1) ea. body side at roof side body roof rails. Lights wired with Cross-Link Number 14 wire and properly fused with circuit breaker with switch located on cab panel.

POLYVINYL DECKING: (OPTIONAL)

Heavy-duty fungus resistant polyvinyl tiles installed on animal compartment floors to provided dry skid free resting area. Tiles easily removable for cleaning and disinfecting.

BACK UP ALARM (Optional):

EECO type model #510 97 decibel back-up alarm install under body at rear bumper wired through chassis reverse circuit.

BLIND SPOT MIRROR (Optional):

8" Diameter rear cross view safety mirror installed on upper rear corner of body. Provides driver with ability to view dangerous blind spot area around rear bumper of vehicle eliminating backing accidents.

WARRANTY:

Workmanship and specified equipment is warranted free of defects for a period of Two (2) years after delivery. Defective equipment to be replaced without charge during this period with purchasing agency responsible for labor cost involved in replacement of defective part. Air Conditioning and heating equipment to carry 1 year manufacturer warranty. Defective air conditioning equipment to be replaced without charge during this period with purchasing agency responsible for labor cost involved in replacement of defective part. Warning lights and electrical equipment to carry manufacturers warranty. Manufacturer shall be responsible for defects in fiberglass-plastic materials during this same period of time.

OWNERS MANUAL:

Owner's manual supplied with completed unit to include operating and maintenance instructions, parts lists and wiring diagrams.

DETAILED SPECIFICATIONS:

These detailed specifications are provided for the purpose of outlining details of manufacture and production and shall remain the property of Swab Wagon Company, Inc. Specifications shall not be transferred to other agencies, associations, or individuals without the express permission being granted by Swab Wagon Company, Inc. These detailed specifications may be used in the preparation of public bid papers.

INSURANCE:

Swab Wagon Company, Inc. does not carry insurance on Customer-owned vehicles (truck chassis); and as such will not be liable to loss or damage due to fire, theft, windstorm, or any other Acts of God.

Submitted by:

SWAB WAGON COMPANY, INC.

Fred Margerum
Vice President

