



**OSHKOSH
SPECIALTY
VEHICLES**

SPECIFICATIONS AND FEATURES FOR AN OSHKOSH SPECIALTY VEHICLES MOBILE MAMMOGRAPHY TRAILER

Certified and approved mobile PET/CT units are designed and manufactured by the Oshkosh Specialty Vehicles in accordance with the site plan requirements of the medical equipment manufacturer selected by the customer. The following features apply:

I. CHASSIS

- Chassis:** The foundation of every mobile MAMMOGRAPHY unit is a custom designed chassis consisting of two (2) 17" deep welded steel I-beams. All structural members are welded and gusseted together, yielding the strongest and most durable medical trailer chassis on the market.
- Axles:** MAMMO trailers include two (2) heavy-duty 20,000 lb. capacity axles.
- Hub-O-Meter:** A Hub-O-Meter is installed on the lead axle to allow the driver to maintain a record of the trailer movement.
- Air Ride Suspension System:** The axles are installed on an automatic air ride suspension system. The proper ride height is set at the factory.
- Air Ride Kingpin Bolster Plate:** A low profile air ride kingpin bolster plate is installed on the front of each chassis to provide air-cushioning support for the sensitive electronics installed in the mobile unit.
- Mounting Plates:** Steel plates for the MAMMO system and the electronics cabinets are welded in place, ensuring that critical components will be secure during transport.

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I. CHASSIS (Continued)

- ❑ **Radial Tires:** Eight (8) premium quality radial tires are provided for durability and extended service life.
- ❑ **Aluminum Wheels:** The Radial tires are mounted on eight (8) aluminum rims: the outer four (4) rims are polished aluminum and the inner four (4) rims are painted steel.
- ❑ **Landing/Stabilizing Legs** Two (2) electro-hydraulic landing legs with security stabilizing pins are installed on the front of the trailer, to both offload the trailer from the tractor and to assure positive fixed height of the unit at the operating site. Landing leg controls are conveniently housed in an underbody compartment, shielding them from weather and road grime for reduced repair cost and extended operational life.
- ❑ **Portable Stands** Two (2) portable support stands are included to stabilize the rear of the mobile unit at the site.

II. STRUCTURAL

- ❑ **Mounting Plates:** Aluminum mounting plates for medical equipment and electronics cabinets are welded in place, ensuring that critical components will be secure during transport.
- ❑ **Body Structure and Framing:** The vehicle body is designed and constructed of extruded aluminum sections and tubing which is welded into an incredibly strong framework, yielding a 102" overall width. This conservative approach yields an exceptionally strong, rigid super structure for the installation of doorframes, the wheelchair lift and exterior body panels.
- ❑ **Body Panels:** The exterior skin of the unit consists of commercially available aluminum panels that are mechanically fastened in place.
- ❑ **Insulation:** The walls, floors, ceiling, and underbody compartment are fully insulated with sprayed in, expanding polyurethane foam. This produces an effective vapor and insulation barrier for heat, cold, and exterior noise.

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II. STRUCTURAL (Continued)

- ❑ Vapor Barrier: A vapor barrier, installed along the full length of the unit floor, prevents moisture and odors from emanating into the unit.
- ❑ Underbody Compartments: The underbody storage compartments, manufactured of welded aluminum, are insulated, heated and coated with a commercially available spray-on bed liner. The result is a surface that is easy to clean, reduces maintenance, increases sound attenuation, and provides an excellent appearance.

III. EXTERIOR

- ❑ Painted Surface: The body is painted to commercial grade specifications to match the cab. This ensures the aluminum exterior panels, compartment and entry doors, and air conditioner match the shade of the cab.
- ❑ Main Entry Door: A high quality insulated main entry door with door closer and window is installed. The door is fitted with an adjustable privacy blind/shade on the window.
- ❑ Drip Rails: Drip rails are installed over the main entry door, wheelchair lift door and along the roofline on all sides of the mobile unit.
- ❑ Aluminum Stair Assembly: An aluminum stair assembly with handrails for staff entry into the control area is provided. The stairs simply pull out from the underbody of the unit. The handrail remains permanently attached to the assembly eliminating any heavy lifting.
- ❑ Underbody Compartment Doors: Underbody compartment doors, corrosion resistant and lockable, include heavy-duty gaskets to minimize the ingress of road grime and water. The doors are hinged at the top, open from the bottom and are held open with a gas assist cylinder.
- ❑ Digital Levels: Three (3) automatic digital leveling indicators are mounted in the mobile unit. These digital levels, which read front-to-rear and side-to-side, assist the driver in setting up the vehicle at the operating.
- ❑ Bubble Style Level Gauges: Three (3) permanently mounted bubble levels are mounted on the unit for quick reference.

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III. EXTERIOR (Continued)

- ❑ **Reflective Tape:** Red and white striped highly reflective tape is installed around the perimeter of the unit for safety and increased nighttime visibility.
- ❑ **Door Safety Latches:** Latches are located on the exterior to keep doors in the fully open position, when desired.

IV. INTERIOR

- ❑ **Lead Shielding** Lead shielding is installed in the scan room walls and doors.
- ❑ **Laminate Countertops:** Laminated countertops and work surfaces are installed in the reception area and scan room.
- ❑ **Ceiling:** The ceiling in the mobile unit is constructed with highly reflective, insulated acoustical tiles for reduced noise. To enhance the work area, a combination of surface mounted and recessed lighting is installed in the mobile unit.
- ❑ **Storage Cabinets:** Lockable, decorative, laminated storage cabinets with adjustable shelves and positive cam latches are provided in the reception area and scan room.
- ❑ **Changing Rooms:** Two (2) changing rooms are provided with full-length mirrors, lockable storage cupboard, coat hooks, bench seat, and privacy accordion doors.
- ❑ **Reception Area:** A bench seat is provided in the reception and waiting area along with an entertainment center that included a color TV/VCR combo, AM/FM stereo receiver and CD player. Ample storage cupboards are installed above the bench seat area.
- ❑ **Wall Coverings:** The mobile unit incorporates extensive use of high quality hospital grade wall coverings. All materials have been selected for ease of cleaning and durability. Particular attention has been paid to the selection of color schemes to insure proper contrast and compatibility with the medical equipment.

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IV. INTERIOR (continued)

- Floor Covering:** An attractive hospital grade, durable vinyl flooring is provided throughout the mobile unit. This single piece flooring is easy to keep clean, eliminating the build-up of dirt in seams.
- A/C Discharge Louvers:** Ceiling mounted air-conditioning discharge louvers are configured to minimize downdrafts while providing the proper airflow to maintain specified ambient environmental conditions.
- Stereo System:** Dash mounted AM/FM Stereo receiver and CD player. High quality speakers are installed in each area with individual volume control.
- TV/VCR:** A name brand TV/VCR is installed in the entertainment center, allowing for informative service messages to be viewed.
- Couch:** A couch will be located in waiting room.

V. ELECTRICAL & ENVIRONMENTAL SYSTEMS

- Main Electrical Disconnect Panel:** The main 220V AC single phase electrical incoming power disconnect panel is located in the left side underbody storage compartment.
- Electrical Distribution Panel:** An electrical distribution panel is located in the rear of the unit. This panel provides the ability to isolate the certain sections of the unit for maintenance and service.
- Automatic Transfer Switch (ATS):** An ATS is installed in the underbody compartment. This unit will automatically start the on-board generator and switch to generator power in the event of a power loss.
- Emergency Lighting Inside the Unit:** An automatic emergency lighting system is installed in the mobile unit to provide light, when the power supply is disconnected.
- Warning Light:** A green light on, located on the driver's side of the unit, indicates that the unit has A/C Power.

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V. ELECTRICAL & ENVIRONMENTAL SYSTEMS (Continued)

- Underbody Compartment Low Voltage Lighting System: Manually operated, low voltage lights are installed in the underbody compartments to provide light during set-up of the unit.
- Lighting Controls: Separate lighting system controls for the scan room, reception area and changing rooms permit the operator to individually control the lighting in each area.
- Service Outlets: One (1) GFCI 120 VAC duplex service outlet is installed on each side of the underbody compartments.
- Marker Lights: Extra L.E.D. type marker and side turn signal lights are installed on the unit body to assist the driver with maneuvering the unit.
- Entry Door Lights: Two (2) exterior, weatherproof, surface-mount lights; one (1) above each door.
- DC power Supply: One DC power supply is located in the underbody to maintain the 12 VDC lighting. The other DC power supply consists of a 1.5 amp trickle charger mounted on the generator to charge the generator batteries.
- Air Filter: Replaceable air filters are mounted in the air conditioning units on the rear of the mobile unit.
- Air Conditioning System: A high performance air conditioner is mounted on the rear of the mobile unit. This system provides close tolerance temperature levels to assure proper equipment function as well as staff and patient comfort.
- Thermostats: Fixed temperature controls ensure the proper operating temperature ranges for customer, provided medical equipment, and staff. This eliminates the operators from adjusting temperatures that could result in damage to the system electronics and reduced performance.

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V. ELECTRICAL & ENVIRONMENTAL SYSTEMS (Continued)

- ❑ **HVAC Distribution:** Individual air distribution for the patient care and reception areas ensures an adequate air supply to the temperature sensitive medical equipment.
- ❑ **A/C Ductwork:** The air conditioning ductwork is lined with a sound absorbent material for reduced noise and operator and patient comfort.
- ❑ **Generator:** A 60 KW Kohler diesel generator in a sound attenuated housing, with engine block heater, is installed on the front of the mobile unit in a corrosion resistant cabinet to keep the generator out of the elements. The generator maintains the environmental control system and emergency backup power for the medical equipment while the mobile unit is in use or in transit.
- ❑ **Humidifier:** A packaged steam humidifier system with 15-gallon water storage tank, installed in the rear of the scan room, interfaces with the air conditioning ductwork to provide consistent humidity levels throughout the mobile unit. Maintaining humidity levels for the medical equipment is critical for proper operation and reduced downtime.
- ❑ **Main Power Cable and Connector:** A flexible fifty (50') long electrical power cable with a weather resistant connector with protective rubber collar is provided and stored in the underbody storage compartment. The cable can be deployed from either side of the underbody compartment.
- ❑ **Telephone and Data Connections:** Two (2) telephone and two (2) data Hubble type connections are installed in the control room of the mobile unit.

Two (2) fifty (50') weatherproof Hubbell connection cords are supplied with the unit and are stored in the underbody compartment.
- ❑ **Certification:** The OSV mobile mammography unit and equipment installation is certified by the original equipment manufacturer.

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VI. ADDITIONAL FEATURES and SERVICES

- ❑ **Site Planning:** OSV mobile unit site planning guides are available upon request. This comprehensive guide provides essential dimensions and specifications to prepare your site pad, electrical and communication connections.
- ❑ **Manuals:** Every new mobile mammography unit comes with a set of operator maintenance and service manuals.
- ❑ **Training Program:** OSV offers a product orientation and training program for key personnel with the delivery of each mobile unit. This training session is available at the manufacturing facility at the time of delivery. If you prefer to have the training at your facility, one of our field service technicians can perform this for an additional charge.

VII. SAFETY FEATURES

- ❑ **Common Floor Height:** The patient care and personnel entry interior floors are all at the same height for safety.
- ❑ **Entry Lighting:** An exterior light fixture is installed near each point of entry in the mobile for safety.
- ❑ **Automatic Transfer Switch:** An automatic transfer switch is installed to provide an automatic switch from shore power to back-up generator power in the event of a power failure.
- ❑ **Emergency Off:** A medical system "Emergency Off" button is conveniently located in the scan room.
- ❑ **Emergency Lighting:** Exit signs and emergency lighting are placed in key areas of the mobile unit to help in an evacuation upon a power failure.
- ❑ **ABS Braking System:** An approved anti-lock braking system is installed for increased safety.

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VII. SAFETY FEATURES (Continued)

- Smoke Detectors** The unit is fitted with 110V AC smoke detectors with battery backup.

- Fire Extinguisher:** Two (2) hand-held ABC all-purpose, dry chemical non-ferrous fire extinguishers are provided. One is installed in control room, gantry room and equipment room.

- X-Ray Power On Light:** Located on the exterior of the unit above the patient/equipment door and on the interior on the unit above the door to the scan room.

- A/C Power On Light:** An amber light on, located on the left side of the unit, indicates that the unit has A/C Power.

- Jack Down & Steps Deployed Warning Light & Buzzer:** Warns driver that jacks are in the down position or steps/platform are in the deployed position if driver attempts to start vehicle.

VIII. CUSTOMER SERVICE and WARRANTY

- Customer Service Center:** OSV operates a toll free Customer Service Hotline, for all of your service, parts and warranty issues. The hotline, answered by a "human being," is in operation 24 hours a day, 7 days a week, 365 days a year. Call 1-800-839-0630 for Service.

- Body Warranty:** A five (5) year structural integrity warranty is standard on OSV mammography body. A one (1) year warranty is standard on the chassis.

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VIII. CUSTOMER SERVICE and WARRANTY (Continued)

- Truck Chassis Warranty** The truck chassis is supplied with a one (1) year warranty from Freightliner. Extended warranty, service and maintenance agreements are available through your local Freightliner dealer.
- Parts:** We carry a large inventory of replacement parts for your OSV mobile unit. We also offer on-line part ordering on our web site.
- Field Service:** Customer service support is provided by a combination of OSV field service technicians, original equipment manufacturers and authorized third-party service centers.

IX. AVAILABLE OPTIONS

- Wheelchair Lift:** A door mounted wheelchair lift will be installed on the curbside of the mobile unit. This compact chair lift will provide access into the patient care area. The lift is controlled by a flexible, hand-held, low voltage, waterproof toggle switch assembly, which allows the attendant to effortlessly operate the lift as required. A standard patient/ equipment entry door is built into the side of the mobile unit. If the wheelchair lift option is selected, a curtain will be installed in the mobile unit to allow the patient to dress in private.
- Input Power Transformers:** Vehicle can be configured to handle both 480V AC and 220V AC input power depending on the site. Option includes a 480V AC transformer, connectors, and associated wiring.
- Support Rails:** Support rails are installed as needed in changing areas or restroom if requested.
- Main Entry Canopy:** A bolt-on canvas and aluminum rollout canopy can be positioned above the entry door(s) to protect against bright sunlight, rain, snow, etc.
- Chair Lift Canopy:** A bolt-on canvas and aluminum rollout canopy can be positioned above the entry door(s) to protect against bright sunlight, rain, snow, etc.

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IX. AVAILABLE OPTIONS (Continued)

- Custom Exteriors and Graphics Packages: OSV offers custom paint jobs, custom graphics or bus wrapped exteriors to help you with your branding campaign or to simply get your marketing message out to the public. If you wish to make your mobile unit a rolling billboard we can help you develop the paint or graphics scheme to get your message across.

- Artwork: Two (2) framed, decorative art prints are installed in the scan room.

- Backup Camera & Monitor: Color monitor located in the cab to assist the driver in backing the vehicle. Additional cameras are available for viewing passenger entry or other areas.

- Reception Area Coat Closet: A lockable coat closet with shelf can be placed curbside in the reception area for coats and other valuables.

- Staff Convenience: Microwave oven, Coffee Maker and Refrigerator will be conveniently integrated into the coach.

- Fire Detection and Alert System: Detects fire and notifies appropriate department and personnel.

- Intrusion Alarm: Alarm system that utilizes both motion and door/window switches installed for added security.

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