



**Feature Listing for the
Magnetic Resonance Imaging (MRI) Mobile Unit
Specifically Designed for the
Philips Achieva Nova 1.5T MRI System**

Dimensions: 48'L x 102"Wx13'6"H

1.0 CHASSIS

- 1.1 Twin I-beam welded aluminum chassis.
- 1.2 Anti-lock brakes.
- 1.3 Two (2) 20,000 capacity axles.
- 1.4 Hub-o-meter on curbside axle.
- 1.5 Air ride suspension with manual over ride controls.
- 1.6 Air ride kingpin with bolster plate.
- 1.7 Eight (8) radial tires mounted on polished aluminum wheels.
- 1.8 Two (2) electro-hydraulic landing legs on front of trailer.
- 1.9 Two (2) portable support stands for rear of unit.

2.0 BODY:

- 2.1 Welded aluminum tube frame.
- 2.2 Riveted attachment of pre-painted aluminum panels for exterior surface.
- 2.3 Sprayed on expanding polyurethane foam insulation.
- 2.4 Corner and gutter extrusions.
- 2.5 Electrical EMT tubing for all electrical power circuits.
- 2.6 All welded aluminum lower bay storage eliminates corrosion and leakage problems. 12V DC lighting included. Two (2) GFI duplex outlets.
- 2.7 Patient lift 7'6" wide high capacity with safety rails and pendant control. Storage rack with "safe" position sensor to assure proper storage for transport with pendant control and roll-up door.
- 2.8 44" wide main entry door with window and emergency exit hardware.
- 2.9 Staff entry and compartment doors constructed of aluminum with stainless steel hardware.
- 2.10 Exterior light and rain deflecting drip rail at entry door.
- 2.11 Aluminum stair assembly – lightweight and easily adjusted.
- 2.12 Emergency exit door 36" wide on driver's side in front of unit.
- 2.13 Magnetic steel shielding on two (2) sides and rear wall as required by medical system manufacturer.
- 2.14 RF shielded windows, one (1) in door and one (1) in wall between Scan and Control Rooms.
- 2.15 Four (4) level indicators mounted in suitable locations to facilitate leveling of unit.
- 2.16 Three (3) phone and one (1) data line connections are provided with lower bay compartment connections.



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- 2.17 Noise reducing generator housing constructed of aluminum with sound attenuation inner skin and louvers.
- 3.0 INTERIOR:**
- 3.1 *Corian* countertops in both Control and Scan areas.
- 3.2 Fully insulated shielded and gasketed Control Room to Scan Room door with robust handle.
- 3.3 Acoustic tile ceiling in all areas.
- 3.4 Storage cabinets as shown in layout drawing.
- 3.5 All wall coverings have been selected for durability and ease of maintenance.
- 3.6 Floor conductive tile color to be chosen from Calutech samples.
- 3.7 A fire detection system with a remote alarm connection in lower bay.
- 3.8 One (1) hand held ABC fire extinguisher is installed in the Equipment Room.
- 4.0 HVAC SYSTEM:**
- 4.1 Two (2) Bard 48,000 BTU HVAC units each with 18KW of heating capacity and hot gas bypass valve.
- 4.2 Separate source ducts and return air plenum system with damper style deflectors to control distribution of air conditioning and heat.
- 4.3 Thermostat sensor installed in return air duct to prevent hot or cold spots.
- 4.4 Steam humidifier with a 30-gallon water reservoir.
- 5.0 ELECTRICAL SYSTEM:**
- 5.1 Primary power 480V 3-Phase four wire (3 plus ground).
- 5.2 60KW diesel electric generator.
- 5.3 Single point grounding system.
- 5.4 Shore/generator manual transfer switch.
- 5.5 50' power cable with RussellStoll DS2504MP connector compatible with standard MRI power connectors.
- 5.6 12V DC battery and charger/inverter with 12V circuit breaker panel and master switch.
- 5.7 Electrical system installed in accordance to NEC 2000.
- 5.8 Trailer lighting includes all high intensity LED lights.
- 5.9 AM/FM stereo CD player in Control Room.
- 6.0 GRAPHICS:**
- 6.1 An allowance of \$1,500 for graphics is included in selling price.



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7.0 NOTES:

7.1 Calutech Mobile Solutions, Inc. Mobile Units are designed and manufactured in accordance with the requirements of the medical equipment manufacturer.

Accepted and Approved by:

Date: _____

Rev.00

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Dated: 5/18/05