AGITO MEDICAL

Site Planning Guide

Siemens Aera 1.5T

MR34 - MRI Relocatable

AGITO MEDICAL

01 Introduction

02 Relocatable unit specifications

Dimension and weight

Magnetic shielding

Access to the mobile unit

Phone & Network

Fire alarm connections

03 Environmental requirements

Physical requirements

Electricity

Water

04 Before delivery

Preparations of access route

Installation

05 Relocatable unit layouts

AGITO Medical A/S, Bejlerholm 3B, 9400 Nørresundby, Denmark | Tel: +45 9635 0170
rental@agitomedical.com | www.agitomedical.com

The information contained in these documents is confidential, privileged and only for the information of the intended recipient and may not be used, copied, reproduced, published or redistributed without the prior written consent of AGITO Medical.

01 Introduction

This Site Planning Guide provides information to potential customers on the preparations they would need to make so that this Relocatable MRI Rental Solution can be successfully delivered, sited, and put into clinical operation.

The customer site must be prepared in accordance with the details given in this guide so that that unit and the installed medical equipment will function properly. This guide exclusively describes the unit and its siting, environmental and electrical requirements, and is meant to give outline details. Further specifications and site requirements are available upon request.

Please refer to the System Spec Sheet for specifications of the installed scanner and associated equipment, and for further details on the installed equipment.

02 Relocatable Unit Specifications

2.1 Dimension and weight

Length	15,00 m
Width during transport	4,20 m
Height (not including quench)	3,30 m
Weight of unit	26.000 kg
Weight of flatbed trailer and truck	TBD in each case
Min. area for placement	18,00 x 7,20 m

2.2 Magnetic shielding

The modular is equipped with magnetic shielding, ensuring that external disturbances outside the scan room, conforms to system standards at all times, if the minimum area for placement is respected.

2.3 Access to the modular unit

The unit can be accessed via the main door at the rear end of the unit leading to the operator room and on the right side leading to the technical room. The main entrance is equipped with a entrance ramp.

2.4 Phone & network

The unit is equipped with data lines (RJ45 sockets). Sockets are available, in the operator room, for auxiliary communication equipment such as computers, laptops or IP-telephones. The RJ45 sockets found inside the unit must be connected to the hospitals network, via the RJ45 connectors found in the technical room.

2.5 Fire alarm connecitons

Connections to external fire alarm signal is located in the technical room close to the main electrical switch board.

The information contained in these documents is confidential, privileged and only for the information of the intended recipient and may not be used, copied, reproduced, published or redistributed without the prior written consent of AGITO Medical.

Agito Medical, a Philips company

03 Environmental Requirements

3.1 Physical requirements

- Area to be provided: 18,00 m x 7,20 m (L x W)
- Large moving/active metal objects – e.g. cars, busses, escalators, forklifts, trucks, transformers, helicopters, ambulances, lifts etc. should be kept at distance of min. 10 meters from magnet iso-center in order to ensure no disturbance is caused.
- A clearance of at least 1.50 meter is required all around the unit to allow for service work and maintenance and to avoid interference with the magnet's 5-gauss safety line.
- This must be respected at all times, and is included in above area requirement. Exceptions to the above requirements, can only be approved by an AGITO representative.
- A level (no more than 1% (0,6 degree)) tilt and solid surface with a loading capacity of 26 tons is necessary.
- Additional reinforcements are required on unstable ground. Suitable reinforcement could be concrete, road surfacing or pavement (bound material).
- If any high voltage electrical installations are nearby the request location, this may interfere with magnet field. Further info can be obtained upon request.

3.2 Electricity

Power/tension requirements	400V 3-phase, 50 Hz – fuse rated at 200A. 3-phase systems with insulated neutral and earth (TN-S - N + PE) Phase 1 - R or L1 Phase 2 - S or L2 Phase 3 - T or L3 Neutral - N Earth - PE
Norm connection plug	Marechal 250A-type plug, 3 phased/ N/E/, 5 poles (female Marechal 250A outlet to be provided by client).
Earthing of installation	The electrical supply side must provide a dedicated medical earth terminal, for connecting the earth tion of the unit.
Voltage variation	+/- 5 %
Frequency (Hz) variation	+/- 0,5 %
Distance to the main distributor box of the system	Advised max 15 m (cable lenght)
Emergency power stop switch	Installed in; scan room, operator room
Rotating field of the connection on site of the customer	L1, L2, L3 - rotation

Norm connection plug

Please note: A stable electric power supply meeting above specifications must be warranted for the whole rental. Cable protective ramps is client responsible if trafic is passing the cable.

3.3 Water

The unit needs water connected for the humidifier. Water is connected below the entrace door to the the technical room.

The information contained in these documents is confidential, privileged and only for the information of the intended recipient and may not be used, copied, reproduced, published or redistributed without the prior written consent of AGITO Medical.

Agito Medical, a Philips company

04 Before Delivery

4.1 Preparations of access route

- The route to the installation location has to be trafficable for the tractor and unit with reference to the below “Vehicle access requirements”. An engineer or project manager from AGITO Medical A/S can be consulted on placement and access.
- All obstacles, parked cars, low branches or other potential non-conformities to a failure-free access, are to be removed prior to delivery.
- AGITO Medical will provide a project manager or engineer, for consulting during planning regarding placement.
- If a site visit is requested by the customer, AGITO Medical reserves the right to invoice this expense separately.

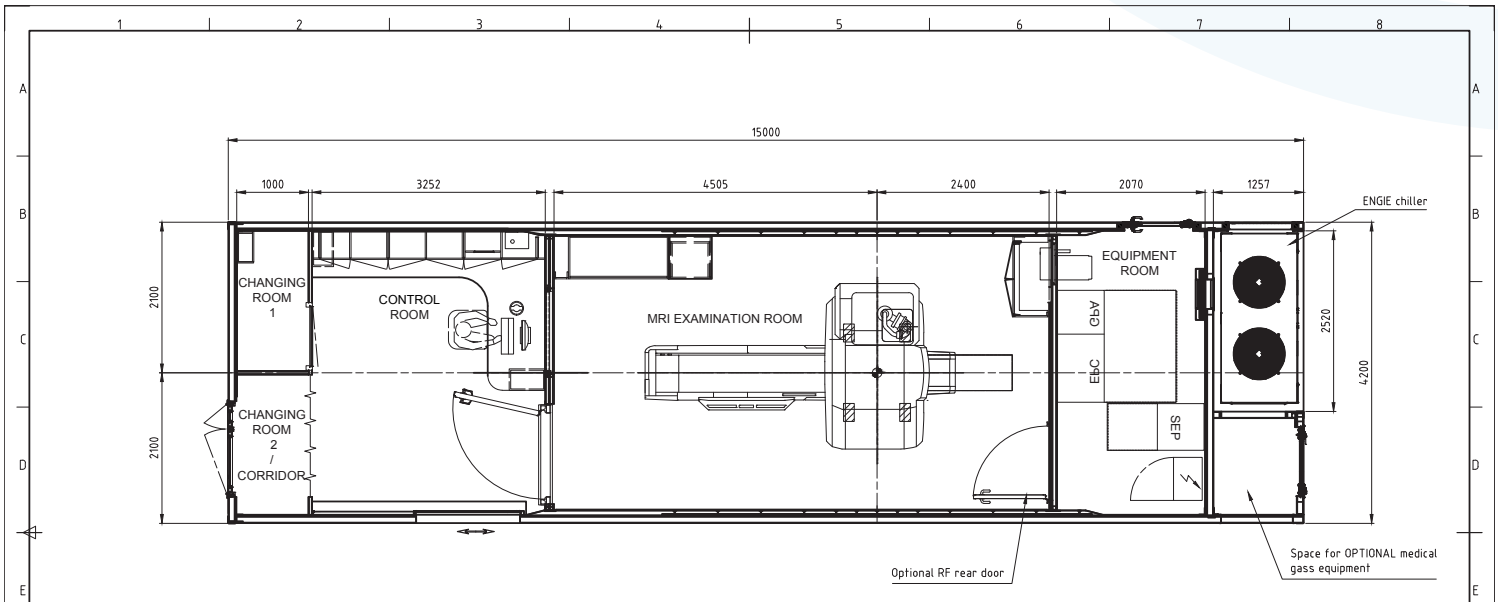
Please note: An AGITO Project Manager will be made available for a site survey & consultation prior to rental and unit delivery. They will advise customer on the siting & placement of the unit and access requirements etc. The customer is then responsible for all necessary preparations as advised by the AGITO Project Manager.

The information contained in these documents is confidential, privileged and only for the information of the intended recipient and may not be used, copied, reproduced, published or redistributed without the prior written consent of AGITO Medical.

Agito Medical, a Philips company

05 Relocatable Unit Layouts

5.1 Relocatable unit layouts



The information contained in these documents is confidential, privileged and only for the information of the intended recipient and may not be used, copied, reproduced, published or redistributed without the prior written consent of AGITO Medical.

Agito Medical, a Philips company