AGITO MEDICAL

Site Planning Guide

Philips Ingenia 1.5T

MR23 - Relocatable Modular Building

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01 Introduction

This site planning guide shortly presents the modular unit and describes preparations needed to be made by the client, in order to receive and connect the mobile unit.

The site must be prepared with respect to this site planning guide in order to ensure that the mobile unit can function properly. This site planning guide exclusively describes the modular unit. Please refer to the system data sheet and OEM system manual for a describtion of the installed system.

02 Modular Unit Specifications

2.1 Dimension and weight

Length	15,00 m
Width during transport	4,00 m
Height (not including quench)	3,30 m
Weight of unit	25.500 kg
Weight of flatbed trailer and truck	TBD in each case
Total weight:	TBD in each case
Min. area for placement	18,00 x 8,00 m

2.2 RF shielding

The modular is equipped with RF 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 modular building 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 modular 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 modular must be connected to the hospitals network, via the RJ45 connectors found on the outside of the modular (outside tech area behind louvered doors). The modular is equipped with 6 x network connections. Please note: The connection of computers, phones and other communication equipment is the client's responsibility.

2.5 Fire alarm connecitons

On the comms box located next to the main power connection point at the front of the modular are two fire alarm connections located.

03 Environmental Requirements

3.1 Physical requirements

- Area to be provided: 18,00 m x 8,00 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 25,5 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 250A. 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	+/- 10 %
Frequency (Hz) variation	+/- 10%
Distance to the main distributor box of the system	Advised max 15 m
Emergency power stop switch	Installed in; scan room, operator room
Rotating field of the connection on site of the customer	L1, L2, L3 - rotation

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 modular is equipped with a ½" ISO-B water supply connectiony and a ½" Snap lock waste water connection. Both connections are located on the left side rear end of the modular (when walking into the unit). Please note: The supply with fresh water as well as the disposal of the foul water is in the client's responsibility.

04 Before Delivery

4.1 Preparations of access route

- The route to the installation location has to be trafficable for the flatbed vehicle, loading the modular building, as well as a crane (size depending on building placement)
- All obstacles, parked cars, low branches or other potential non-conformities to a failure-free access are to be removed prior to delivery.
- As the unit is a modular building, being placed directly on the ground, it is necessary to consider access for flatbed truck, crane, as well as the area itself, where the building will be placed. The space requirements for delivery are therefore considerably higher than for trailer systems.
- AGITO Medical can 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.
- Minimum width of the delivery/placement area would normally be approx. 15 m. and minimum length approx. 25 m.

Please note: The client is responsible for all necessary preparations of the installation location, the access route, as well as the provision of the required connections.

4.2 Installation

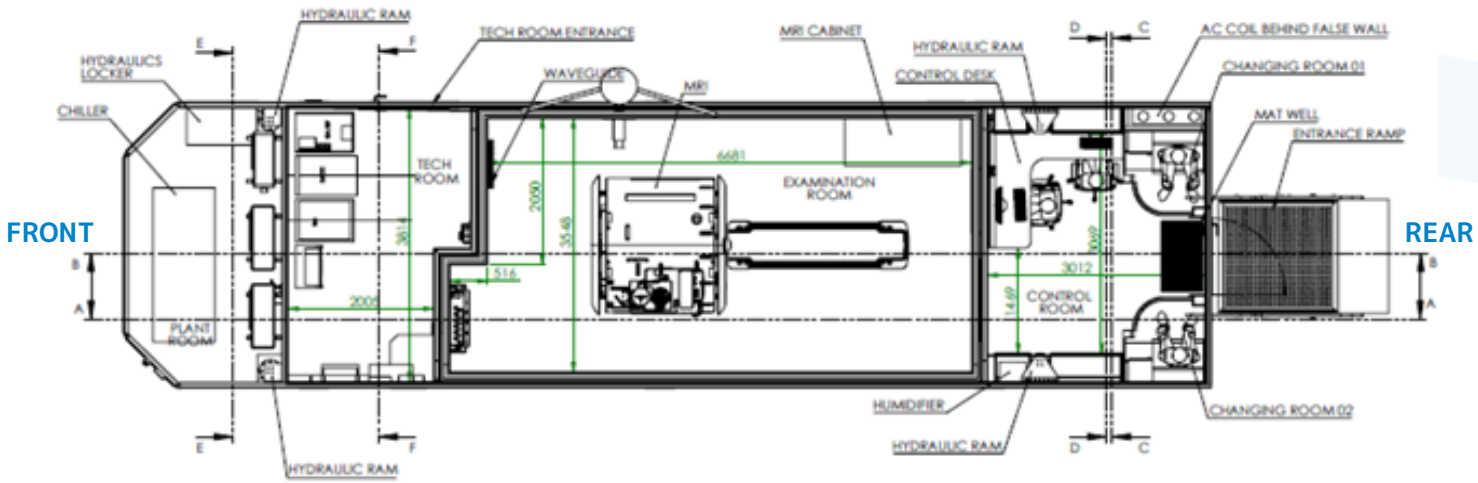
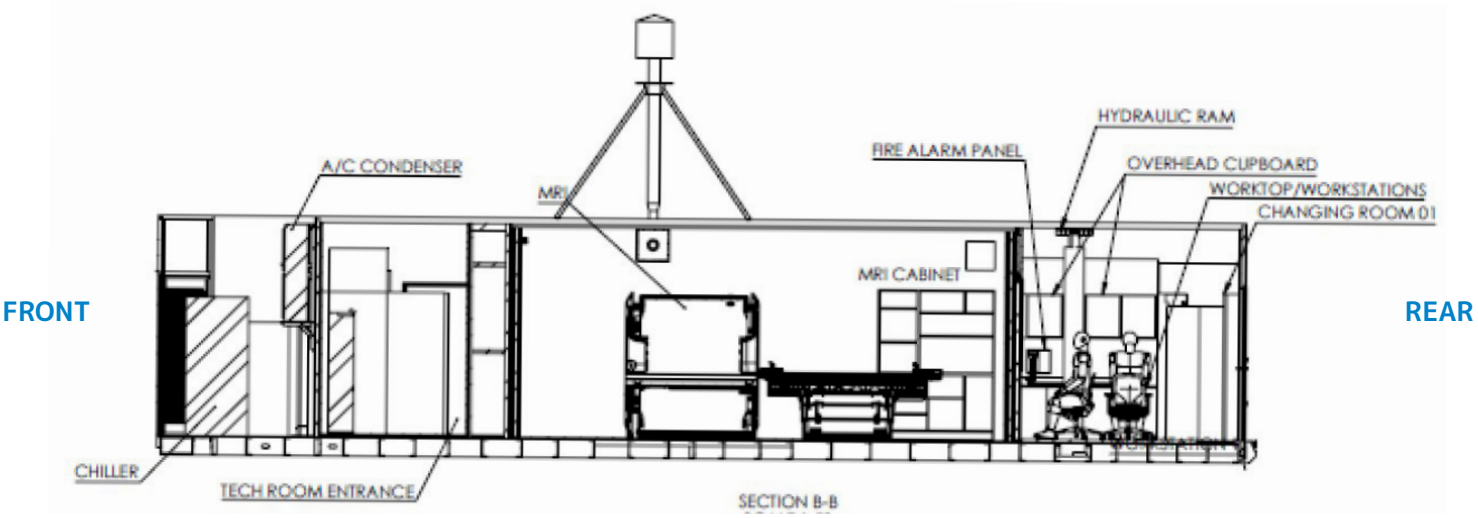
The medical unit must be placed on foundations provided on site with at least 4 points of support. The plastic load spreading pads provided, should be use underneath each of the support points. The dimensions of the foundation has to be adapted to local circumstances, norms and frost line, under consideration of the local soil condition and the maximum possible loads.

The levelness of the foundation is a precondition for a smooth assembly and the failure-free standing of the entire construction. Should the load points not be horizontally aligned, these must be highlighted in the width of the profile.

The design of the foundations must ensure a free flow of rain water. During set up or placement of the unit (constructions), maximum permitted loads and regional conditions (e.g. snow loads) must be taken into account. Packaging and transport covers must be disposed of by the customer.

Further technical information upon request.

Please note: The client is responsible for all necessary preparations of the installation location, the access route, as well as the provision of the required connections.

05 Mobile unit layouts

5.1 Mobile unit layouts