



Site Planning Guide

Toshiba Aquilion CX 128 Slice CT

CT10 - Mobile CT Trailer

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01 Introduction

This site planning guide shortly presents the mobile 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 mobile unit. Please refer to the system data sheet and OEM system manual for a description of the installed system.

02 Mobile Unit Specifications

2.1 Dimension and weight

Length	13,50 m
Width during transport	2,50 m
Width with slide outs and stair case extended	3,80 m
Height	3,97 m
Weight of unit	27.000 kg
Min. area for placement	14,70 x 5,60 m

2.2 Lead shielding

The mobile unit is equipped with lead shielding, ensuring that radiation levels outside the scan room conform with EU standards at all times.

Walls in scan room	3.1 mm
Windows from scan to operator room	2.1 mm
Slide outs & Floor in slide out	3.1 mm
Doors to scan room & Roof above scan room	3.1 mm
Floor under scan room	1.5 mm

Please note: Layout drawings showing lead shielding are available upon request.

2.3 Access to the mobile unit

The trailer can be accessed via stairs in the front (leading to the operator room) and at the back of the trailer (leading to the changing rooms). Both stairs are equipped with guiderails. The lift is capable of lifting up to 500 kg and can provide access for patient beds measuring up to 195x200 cm.

2.4 Mobile unit layout

See section 5.

03 Environmental Requirements

3.1 Physical requirements

- Area to be provided: 14,70 m x 5,60 m (L x W)
- A clearance of at least 2,50 meter is required all around the unit to allow for service work and maintenance. 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 24 tons is necessary.
- Additional reinforcements are required on unstable ground. Suitable reinforcement could be concrete, road surfacing or pavement (bound material).
- Additional space for patient lift and staircase must be secured around the unit for optimal access (see drawings).

3.2 Electricity

Power/tension requirements	400V, 160 Amp – 50 Hz. Three-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).
Voltage variation	+/- 10 %
Frequency (Hz) variation	+/- 1%
Distance to the main distributor box of the system	Advised max 10 m
Emergency power stop switch	Installed in; scan room, operator room

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

3.3 Water

Only a ¾" cold water garden hose is required.

This unit can be operated either with water line connected and pressurized or disconnected, providing tank is refilled as needed. The tank size is 143 liter and should typically be refilled every 24 hours. The water fill connection is in the streetside compartment.

3.4 Phone & network

The mobile unit is equipped with data lines (RJ45 sockets). Socket/switch is available, in the operator room, for auxiliary communication equipment such as computers, laptops or IP-telephones. The RJ45 plugs found inside the trailer must be connected to the hospitals network, via the RJ45 connectors/sockets found on the outside of the trailer (belly compartment)

The connection of computers, phones and other communication equipment is the client's responsibility.

04 Before Delivery

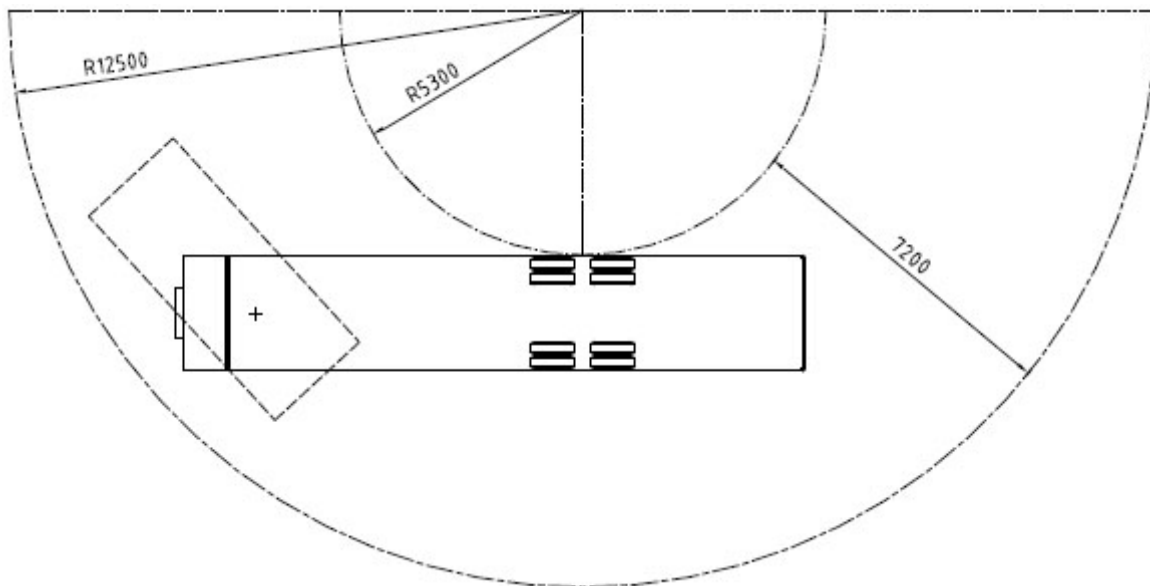
4.1 Preparations of access route

- The route to the installation location has to be trafficable for the 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.
- If a site visit is requested by the customer, AGITO Medical reserves the right to invoice this expense separately.
- All obstacles, parked cars, low branches or other potential non-conformities to a failure-free access, are to be removed prior to delivery.

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 Vehicle access requirements

The access way must have a minimum width of 7,2 m. The radius of the turning circle should have an outer radius of 12,5 m. and an inner radius of 5,3 m.



05 Mobile unit layouts

5.1 Mobile unit layouts

