Compleo

Site Planning Guide

Canon Aquilion Prime SP
CT07

Compleo

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1. Introduction

This Site Planning Guide describes the preparations needed to be made by Compleo Health's customers to ensure that the relocatable CT unit can be successfully delivered, deployed and put into clinical operation.

The guide describes the unit in details, and the environmental and electrical requirements to receive and connect the unit.

Please contact Compleo Health for any questions regarding deployment of the relocatable MRI unit at your location.

2. Unit Specifications

2.1 Dimensions and weight

Length	**13,555 m**
Width	**2,541 m**
Height	**4,03 m**
Weight of Unit	**,000 kg**
Min. area for placement	**16 m x 6 m subject to site survey**

3. Environmental Requirements

3.1 Local Requirements

Area for the trailer:

- 16 m x 6.0 m
- For walking patients the stair entrance will be at the backside of the trailer. The stairs are mounted to the trailer and needs a clearance of approx. 3 m.
- Also, a clearance is required for maneuvering the stretcher towards the lift
- In front of the trailer a clearance is required for attaching the truck to the trailer

Ground under the trailer:

- A solid and flat surface is required with a loading capacity of 27 tonnes.
- If the surface is unstable, reinforcement is required by additional concrete or road pavement.
- The surface should be flat and level for deployment of the trailer and the deviation should not exceed 1% (0.6 degree) to ensure a proper and safe operation and a stable system.

4. Unit connections

4.1 Electrical Requirements

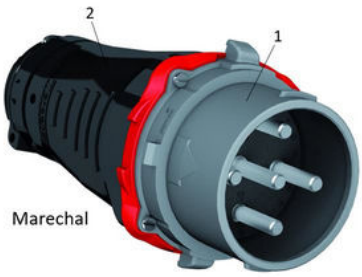
The customer must provide the following electrical connections:
The trailer is equipped with a 400V 3 phases, 50Hz electric system according to the TN-S system.
The customer must provide a 400V, 50Hz, service fused at a minimum of 200A. The electrical phase rotation should be L1, L2, L3.

The unit must be connected to main power by a qualified professional. The qualified professional must carry out protective measurements after connecting the power supply to main power.

The main power plug is a marechal 250A plug on a 15 m cable.
Unit with MRI system: 160A
Main supply: 400V
Frequency: 50Hz
Internal line impedance: <120 mOhm

NOTE:
It is the customer's responsibility to have a female Marechal connector to match this connector. The electric installation must have dedicated medical earth for connecting earth to the unit.

1) Marechal part # 39 28 017: Inlet (male)
2) Marechal part 556P0D49: Handle

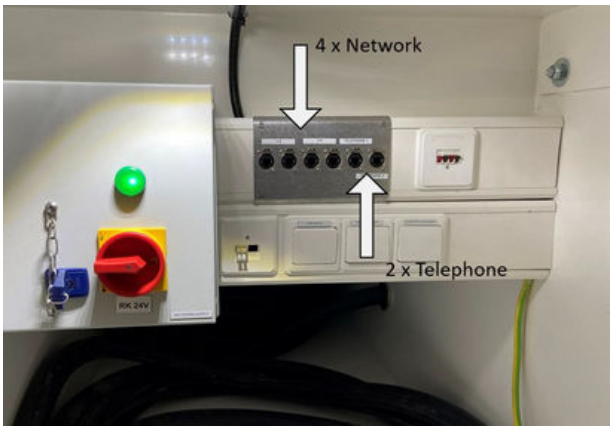


4.2 Network Requirements

The customer must provide the following network connection:

- The system is equipped with two RJ45 sockets. One that can be used for the customer's RIS and PACS systems and one for the general network.
- The system is equipped with two RJ11 sockets for landline phone connection.
- Above connections can be found near the power cable connection on the right side underbelly compartment.
- Please note that minimum cable quality is CAT6.

- The firewall in the CT system is set to DHCP.
- The CT system can use the Hospital Work List Server (DICOM MWM)

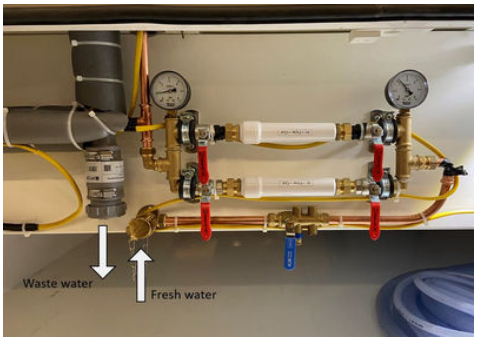


4.3 Water Requirements

The customer must provide the following water connection:

The unit is equipped with a line connection for the supply of fresh water and drainage.

The connector for shore water line is GK for hose size 19 x 3 mm. A hose pipe with coupling is supplied with the trailer.



5. Radiation

5.1 Lead shielding

Lead shielding of the scan-room is as follows:

Scan room exterior walls: 2.5 mm
Separation wall, control room: 4.0mm
Windows separation, wall control room: 4.2mm

Door to lift including window: 2.5mm
Separation wall, equipment room rear: 4.0mm
Floor examination room & fold up floor: sections with 2.5mm
Roof examination room incl. slide outs: 2.0mm

5.2 Lead shielding