

MAGNETOM Aera 1.5T Site Layout and Planning Guide

The MAGNETOM Aera 1.5T is a high-performance MRI system from Siemens Healthineers, designed to deliver exceptional image quality and speed. It features a 70 cm bore and incorporates Tim® 4G integrated coil technology and Dot® (Day optimizing throughput), enhancing workflow efficiency and patient comfort.

Site Planning Resources

Siemens provides downloadable site planning documents, including:

- PDF Layouts: Typical room layouts and dimensions.
- DWG and DWF Files: CAD files suitable for integration into architectural plans.
- 3D Models: Useful for visualizing the MRI system within your facility's space.

These resources are available for both XJ and XQ gradient configurations of the MAGNETOM Aera.

Key Room Specifications

- Minimum Room Size: Approximately 30 m² (323 sq. ft.)
- System Length: 145 cm (cover to cover)
- Magnet Length: 137 cm
- System Weight: Approximately 4.8 tons
- Ceiling Height: Standard 240 cm (7.9 ft)

Cooling and Energy Considerations

- Zero Helium Boil-Off: Eliminates the need for regular helium refills.
- Eco-Chiller Option: Can reduce chiller energy consumption by up to 50%.
- Integrated Water Cooling Cabinet: Removes the necessity for dedicated cooling of the entire equipment room.

Additional Support

For assistance with suite remodels, build-outs, and turnkey installations, companies like Clinical Imaging Systems offer comprehensive services, including site planning and equipment installation.