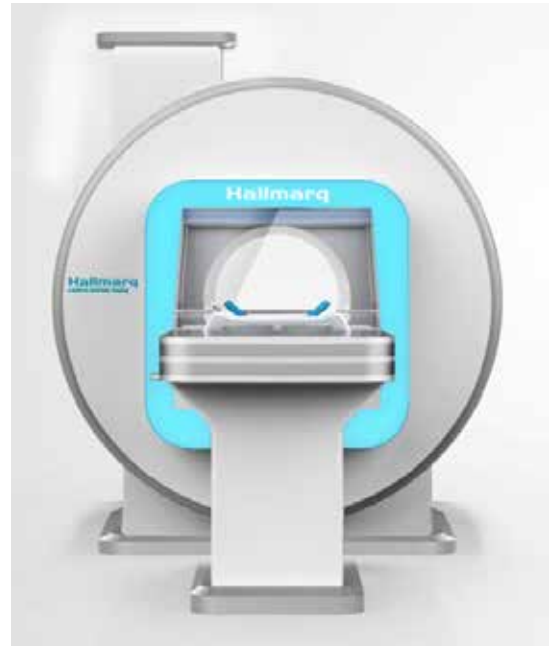


TECHNICAL SPECIFICATIONS

This document outlines some of the high-level technical specifications and considerations in planning for the installation of the Zero-Helium (ZHM) Small Animal 1.5T MRI. Please consult the Site Planning Guide for additional details.

Hardware

- 1.5T field strength
- 16 channels
- 60 cm patient bore diameter
- 35 mT/m gradient amplitude
- 130 T/m/s gradient slew rate
- On-board radio-frequency (RF) shield
- V-shaped patient bed
- Video patient monitoring with LED lighting
- Up to 25% more energy efficient compared to used MRIs
- ZHM uses vacuum technology and a conduction-based cooling system:
 - NO helium
 - NO quench pipe
 - NO oxygen monitor
- Vet specific Radio Frequency (RF) Coils
 - Flexible RF coil
 - Small head RF coil with elongated design and access door
 - Medium head RF coil with elongated design and access door
 - Large head RF coil with elongated design and access door
 - V-shaped spine RF coil (3-ft long)



Rendering subject to change

Software

- Designed to be run by veterinary technicians
- Library of veterinary specific sequences and protocols which may be customized
- Scan Sequences
 - Spin Echo 2D
 - FSE 2D
 - Gradient Echo, FLASH and

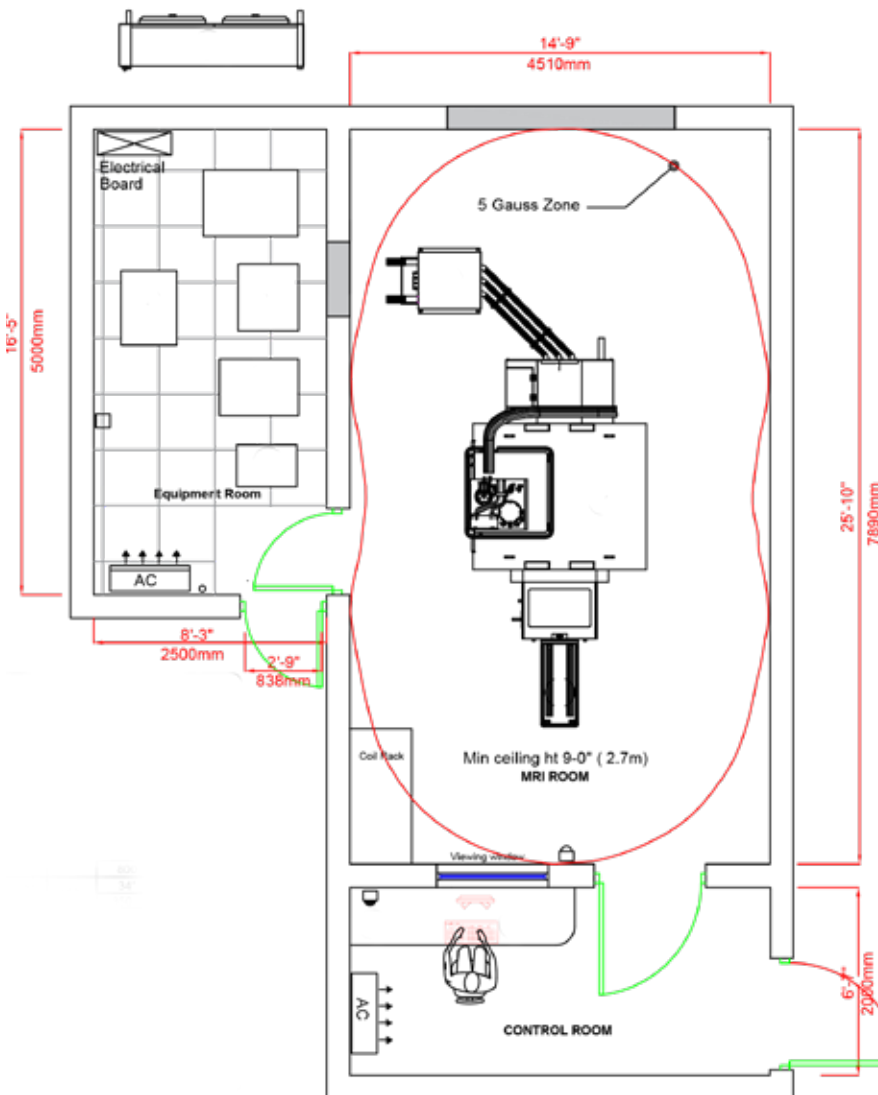
- fast spoiled Gradient echo 2D/3D
- FLAIR/STIR
- Fat saturation and suppression for SE, FSE
- DWI with ADC maps
- HASTE
- 3D CISS

Additional benefits

- 99% guaranteed uptime
- Proactive remote system monitoring and alerts
- World-class support
- Full on-site service and maintenance program
- Includes all new software updates and sequences

TECHNICAL SPECIFICATIONS

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Standard room

Total internal area

614 sqft (57 sqm)

MRI power requirements

Power type

3 Phase + Protective Earth

Main line transformer capacity

Minimum 100kVA

Voltage

380/400/420/440/460/480V AC
+/- 5%

Amp service

126A (variable depending upon voltage)

Frequency

50/60 Hz

Earth grounding

The system requires grounding of 2 ohm or less

Final specifications subject to contract