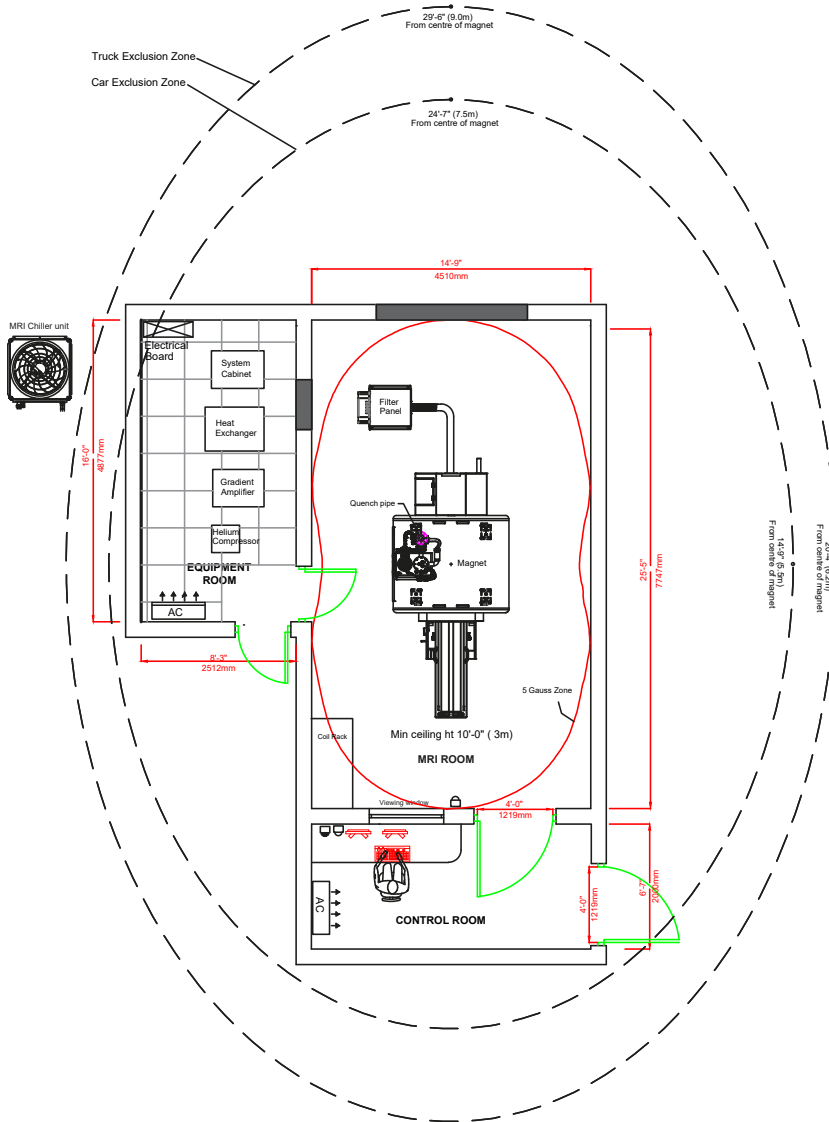


TECHNICAL SPECIFICATIONS

This document outlines some of the high-level technical specifications and considerations in planning for the installation of the Hallmarq Small Animal MRI system. Please consult the Site Planning Guide for additional details.



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

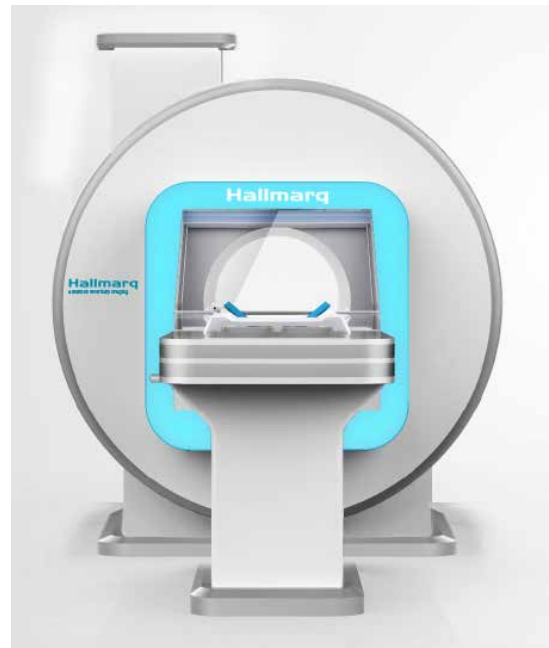
Final specifications subject to contract

TECHNICAL SPECIFICATIONS

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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 40% more energy efficient compared to used MRIs
- Zero helium boil-off cold head
 - Air cooled helium compressor
 - No helium loss even if chiller is down
 - Can continue to scan, even if chiller is down
- 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