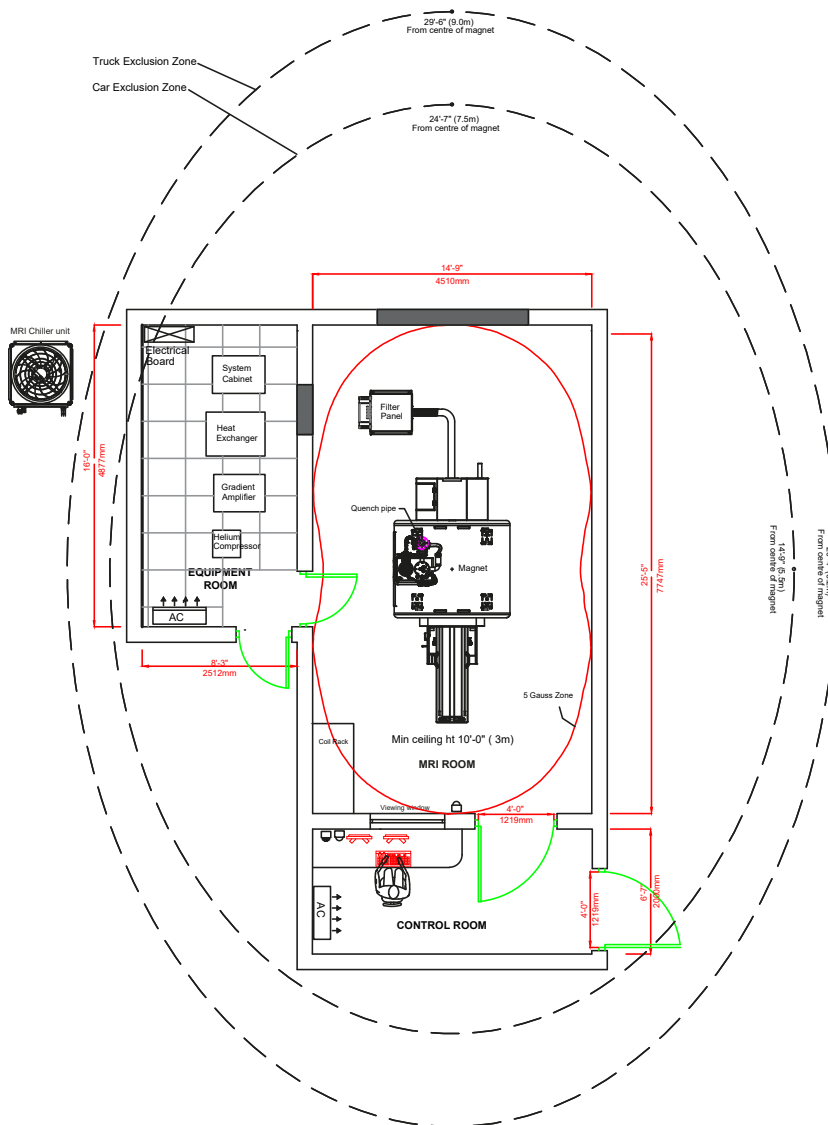


## TECHNICAL SPECIFICATIONS

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.



**Final specifications subject to contract**

### 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

### Chiller power requirements

#### Power type

3 Phase +PE

#### Voltage

460V AC

#### Amp service

70A

#### Frequency

60 Hz

## TECHNICAL SPECIFICATIONS

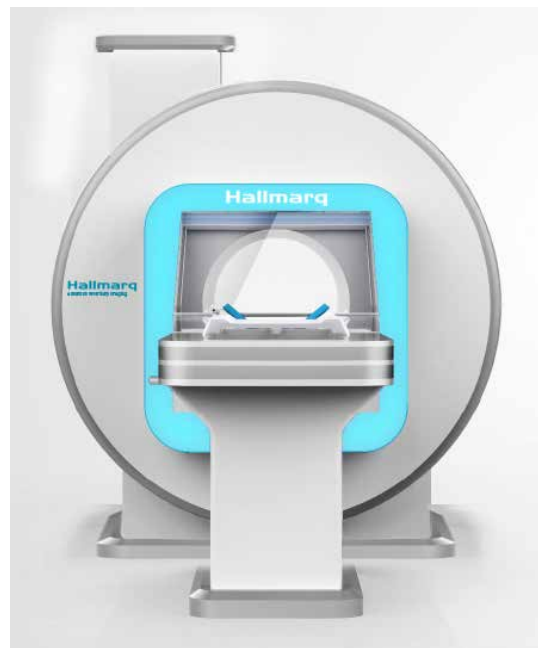
This document outlines some of the high-level technical specifications and considerations in planning for the installation of the Hallmarq Small Animal MRI system. Please consult the Site Planning Guide for additional details.

### 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)

### 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



Rendering subject to change

- 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