

## HC/HT Specifications MRI

### MRI Technical Requirements

1. Gradient:\*
  - to meet or exceed following specs: 33 mT/m (57 mT/m effective), peak slew rate up to 120mT/m/ms (208 mT/m/ms effective).
2. Radiofrequency:
  - Vendor specific
3. FDA 510(k) approved
4. Capability for 3 dimensional image creation
5. 1.5 Tesla
6. Bore diameter at least 70 inches
7. Bore length at least 75 inches (190.5 cm)
8. Acquisition rate of at least 6000 images per second
9. Interface with Carestream PACS
10. Non-ferrous injector
11. Remote physiological monitoring and synching
12. Capability for non-ferrous patient entertainment system
13. At least 1-year warranty
14. HL7 integration (HIS/RIS)
15. DICOM and IHE- Q/R, MWM, STORAGE COMMIT SCU, MPPS
16. Power conditioning (as defined by vendors)
17. UPS (designed to cover the time required to switch to Emergency Power) to cover gantry and cryogenics
18. Operating system must be Windows 7 or proprietary
19. If server is included, operation system must be Windows 2012R2 with SQL2012
20. Control panels within the MRI bore area on both left and right sides of bore (table control panel)

### Table Technical Requirements

1. Full articulation of the table, detachable/mobile table **with side rails**
2. Patient weight capacity of 550lb for horizontal usage and 400 lbs. for vertical usage
3. encourage to submit bids with highest wait support
4. blanket warmer

### Chiller Requirements

1. Zero boil off during normal conditions
2. At least 6800 BTUs

### Workstation Technical Requirements

1. Operators workstation including UPS (as defined by vendors)
2. Technologist workstation including UPS (as defined by vendors)
3. Ability to burn at acquisition station

### Advanced Applications

1. Integration with contrast injection unit
2. Post-processing:
  - Functional MRI (f-MRI)
  - Protocol sharing
  - Diffusion tensor imaging

- Metal artifact reduction
- Adipose-tissue reduction/suppression
- Motion cancellation
- Noise suppression (reduction)

3. Coils:

- Head/brain
- Bone
- Neck
- Spine
- Body/torso
- Shoulder
- Vascular
- Small extremities coils (i.e. – wrist, hand, foot, etc.)
- Knee

4. Applications:

- 3 dimensional images
- Isotropic volume capabilities
- Scanning MRI conditional implants
- Soft tissue visualization for orthopedic implants

**Training**

Technologist Training:

1. Initial Onsite Applications Training (minimum 4 days) – to be used 1 week prior to Go-Live for technologists
2. Go-Live onsite Applications Training (minimum 4 days) – to be used for technologists
3. Follow-up Onsite Applications Training (minimum 2 days) – to be used with the first 9 months from Go-Live for technologists
4. Offsite Training – for four Radiology technologists
5. Offsite Training Travel Package – for four Radiology technologists (Lodging/Meals/Transportation)

Physician Training:

1. Go-Live onsite Applications Training (minimum 4 days) – to be used for Physicians
2. Follow-up Onsite Applications (minimum 4 days) – to be used with the first 9 months from Go-Live for Physicians
3. Offsite Training – for two Physicians
4. Offsite Training Travel Package – for two Physicians (Lodging/Meals/Transportation)

Technical Training:

1. Technical Biomedical Engineering Training
2. Technical Biomedical Engineering Training Travel Package (Lodging/Meals/Transportation)

**Support and other Documentation to Provide:**

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS2 document
3. Provide information about your company's applications and technical support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)
4. Provide information about your company's applications and technical support structure during after the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)

**Trade-in**

Manufacturer: Philips

Healthcare

Model: Achieva 1.5T

EE: 45788

S/N: 22233

Location: 1D122-1-JAC

Acquisition Date: 6 / 4 / 2 0 0 7

**Deliver to:**

**Joint Ambulatory Care Center**

**790 Veterans Way**

**Pensacola, FL 32507**