

Hitachi AIRIS II

Gantry

- Award winning asymmetrical, panoramic design
- Gap: 43cm (17in)

Table

- Width: 80cm (31.5in)
- Drop: 45cm (17.7in)
- Weight Limit: 500lbs
- 2-speed power-driven longitudinal movement

Gradient System

- 15 mT/m gradient amplitude
- 30 T/m/sec Slew Rate

Computer

- 64 Bit RISC-based architecture
- DICOM 3.0 compatible
- 1GB Memory
- LCS Color Display

Hitachi AIRIS II Magnet

- Permanent 0.3 Tesla
- Vertical Orientation
- Self-shielded
- 6.6'(h) x 8.2'(v) 5 Gauss fringe field
- 3-axis per patient shim
- Post-to-post: 110cm (43.3in)

Hitachi AIRIS II Coils

- Quad Cervical Spine
- Bilateral TMJ
- Bilateral Breast
- Flexibly Body

- Quad Open Head
- Quad Wrist
- MA Shoulder
- MA CTL

Hitachi AIRIS II Technical Specifications (Tech Specs)

- **Magnet:** Self-shielded, Permanent
- **Bore:** 110 x 43cm (w x h)
- **Magnet Weight:** 15,700kg (34,540 lbs.)
- **Magnet Dimensions:** 79 x 111 x 73cm
- **Power Requirements:** 208/220/240 VAC, single-phase
- **Cooling System:** Air-cooled
- **5-GAUSS Fringe Field:** 2.0 m lateral, 2.5 m vert./long
- **Shimming:** Auto shimming, 3-axis/patient, and volume shim
- **Clinical Application:** Whole Body
- **Configuration:** Open MRI, Vertical Field
- **Spectroscopy:** No
- **Synchronization:** Cardiac gating, ECG/peripheral, respiratory gating (2 modes)
- **Pulse Sequences (Standard):** SE, GE, GR, IR, FIR, STIR, FSE, ss-FSE, FLAIR, EPI -DWI, SE-EPI, ms - EPI, SSP, MTC, SARGE, RSSG, TRSG, MRCP, Angiography: CE, 2D/3D TOF
- **Imaging Modes:** Single, multislice, volume study
- **TR:** SE: 30 - 10,000msec GE: 20 - 10,000msec IR: 50 - 16,700msec FSE: 200 - 16,700msec
- **TE:** SE : 10 - 250msec IR: 10 -250msec GE: 5 - 50 msec FSE: 15 - 2,000
- **Single/ Multi Slice:** 0.05 sec/image (256 x 256)
- **FOV:** 5cm to 42 cm continuous
- **Slice Thickness:** 2D: 2 - 10 mm; 3D: 0.5 - 5mm
- **Display Matrix:** 1280 x 1024
- **Measuring Matrix:** 512 x 512
- **Pixel Intensity:** Level Range: -2,000 to +4,000
- **Spatial Resolution:** Sub millimeter