

Hitachi aries 2 Specifications

MODEL	AIRIS II
MAGNET	Permanent
POWER NEEDED	
LINE VOLTAGE, VAC	190-240, single phase
Kva (POWER NEEDED)	3
A/c, btu/hr (POWER NEEDED)	<10,000
CLINICAL USE (POWER NEEDED)	Whole body
OPTIONS	DualQUAD multiple array package, UPS, VCR interface and joint motion packages, remote monitor, laser imager, iV/iO package
IMAGING MODES	
Single (EYEPIECE)	Yes
Multislice (IMAGING MODES)	Yes
Volume study (IMAGING MODES)	Yes
Additional (Alarms, high/low)	Multislab, multiangle, dual slice, gating
Reconstruction time	
Single slice, sec (RECONSTRUCTION TIME)	0.05
Multislice, sec (RECONSTRUCTION TIME)	0.05/slice
Volume, sec (RECONSTRUCTION TIME)	0.05/slice
SURFACE COILS	
Spine (SURFACE COILS)	MA CTL
Knee (SURFACE COILS)	Quad knee
Neck (SURFACE COILS)	QD C-spine
Tmj (SYSTEM CAPABILITIES)	Bilat solenoid
Extremity (SURFACE COILS)	Latchable extremity
Head (SURFACE COILS)	QD head
Breast (APPLICATORS)	Bilateral QD breast
Shoulder (SURFACE COILS)	MA shoulder
Additional (Alarms, high/low)	QD flex body (S,M,L, XL), MA head/neck, QD wrist, QD latchable coils (3 sizes)
BORE SIZE, dia x L	
Or w x h x l, cm (BORE SIZE, dia x L)	110 x 43, open
ELECTROMAGNETIC FIELD STRENGTH, T (5-GAUSS FRINGE FIELD)	0.3
SHIMMING (CRYOGEN USE, L/hr)	Passive & 3-axis per patient auto shim
Diameter, cm (VACUUM)	
Body coil (DIAMETER, cm)	33, 38, 48, 61; flexible quadrature
Head coil (DIAMETER, cm)	29x22 split-top quad
Respiratory gating (DISPLAY)	Yes
GRADIENT SUBSYSTEM	
Strength, mt/m (GRADIENT SUBSYSTEM)	15
Rise time to 10 mt/m, msec (GRADIENT SUBSYSTEM)	0.6

Cpu (NETWORK/DATABASE)	64-bit RISC based
Memory size, mb (GRADIENT SUBSYSTEM)	1 GB
ARRAY PROCESSOR (EXTERNAL BEAM)	Hitachi
Memory size, mb (GRADIENT SUBSYSTEM)	256, optional 512
Storage media/size (GRADIENT SUBSYSTEM)	Magnetic disk, optical disk
Image storage capacity (GRADIENT SUBSYSTEM)	27,000 magnetic disk, 17,000 optical disk
IMAGING	
Pulse sequences (IMAGING)	SE, GE, GR, IR, FIR, STIR, FLAIR, FSE, DE-FSE, SS-FSE, SARGE, BA-SARGE, RSSG, TRSG, TOF MRA, MTC, MR fluoro, msEPI, DWI, FatSeparation S & G
Repetition time, msec (IMAGING)	7-16, 700
Echo time, msec (IMAGING)	3.5-2,000
Inversion time, msec (IMAGING)	8-00
Slice thickness, mm (GANTRY)	2-100 (2-D), 0.5-5 (3-D)
Fov, cm (IMAGING)	42
Fov offsets (IMAGING)	Up to maximum FOV
Scan orientations (IMAGING)	Transverse, coronal, sagittal, single oblique, multiple oblique angles
Measuring matrix (IMAGING)	64-1,024 steps of 1, freq x 64-512 (steps of 4-phase), 1/2 & 3/4 scan rect
Display matrix (IMAGE DISPLAY)	1280 x 1024
Pixel intensity (IMAGING)	-2,000 to +4,000
Resolution, mm (PERFORMANCE)	0.2
DICOM 3.0 COMPATIBLE (POWER NEEDED, VAC)	Storage, query, retrieve, print
CARDIAC GATING	
Ecg/peripheral (CARDIAC GATING)	Yes/yes
Angiography	2-D/3-D TOF, CE-MRA
BORE FEATURES (DIAMETER, cm)	Open bore, short depth, intercom, SoftSound gradients, technologist alert
MAGNET WEIGHT, kg (CRYOGEN USE, L/hr)	15700
DIMENSIONS (HXWXD),CM (CRYOGEN USE, L/hr)	194 x 273 x 179
ECHO PLANAR IMAGING (CARDIAC Multishot GATING)	
5-GAUSS FRINGE FIELD	
Radial/axial, m (5-GAUSS FRINGE FIELD)	<2.5/2.2
CONFIGURATION	Open
OTHER ATTRIBUTES (Interference compensation)	Low-conductance pole piece with minimal eddy currents; digital RF system quadrature transmitter and up to 4 receiver preamplifiers; automatic and user-variable receiver bandwidth; cine display; modular CPU architecture with remote service; real-time multi
FDA CLEARANCE (Interference compensation)	Yes

CE MARK (MDD) (Interference compensation) Yes

MARKETING REGION (Interference compensation)