



Aquilion 64 first look:

Proven Performance, Uncompromised Speed

The Aquilion 64 lifts the award winning Aquilion multi-slice CT platform to a new benchmark. It is twice as fast as a 32 detector row CT system and comes with workflow-enhancing software that delivers unsurpassed image quality, improved dose management and superior patient care.

In a single breath-hold of 6-10 seconds, the Aquilion 64 can capture superior, precise images of the heart to help early detection of heart disease—often eliminating the need for invasive cardiac angiograms.*

- 0.5 mm x 64 detector row
- Leading Low Contrast Resolution LCR
- Quantum Denoising Software (QDS)

Boost 3D

- Improves image quality by reducing both quantum noise and structured noise in the raw data domain. Structured noise, unlike quantum noise, is noise that has a pattern, such as streaking artifact.

Performance specification:

Scan time : 0.5, 0.75, 1,1.5,2 and 3 sec

Gantry Type : Direct Drive Motor – Cylinder Type Rotation Frame

Scan field : 500 mm max.

Slice Thickness : 0.5 , 1, 2 ,3, 4, 6 and 8 mm

Acquisition (64-rows) : 0.5 mm X 64 rows, 0.5 mm X 32 rows, 1 mm x 32 rows,
0.5 mm X 16 rows ,1 mm x 16 rows, 2 mm X 16 rows

Gantry Aperture : 720 mm

X-ray tube Capacity : 7.5 MHU

Tube KV : 80 , 100, 120 and 135 KV

Tube mA : 10 mA to 500 mA (steps of 10 mA)

Rated output : Max 60 KW

Detection System : Solid state Detectors

Main Detector : 896 Channels X 64 elements

Reconstruction Time : 0.4 second

Real Technology : Real Time Helical (12 frames per second), SURE®Start
Special Applications : Cardiac function analysis software VesselView

Power Requirements : 200 V, 3 phase , 100 KVA

Room temperature : 20°to 26°C

Min. area for installation : CT room – 25 m² , control room – 6 m²



Advance clinical features:

- Superior and precise cardiac angiography
- High resolution Pediatric Abdominal study
- Pediatric Aorta view
- Aortic Stent Graft
- Coronary 3D image with vessel analysis
- Neuro and all body angios

