

APPLICATION

This kit is designed to upgrade the performance of the 40-detector row system to the performance of the 80-detector row system.

The applicable CT systems are shown below.

CGS-55A/1, /0

SYSTEM MODEL		REMARKS
Aquilion™ PRIME	TSX-302A/2	40-detector row
	TSX-303A/5, /F	
Aquilion Lightning™	TSX-036A/1	

Note: Two licences are required when the Display console kit is installed.

Some systems may not be available in your country or region. Check with your sales representative.

FEATURES

- **40-mm-wide detector**
Adoption of the 40-mm-wide area detector makes it possible to select the desired slice thickness for scanning from among 0.5 mm, 1 mm, 2 mm, 3 mm, 4 mm, 5 mm, 8 mm, or 10 mm, according to the purpose of the examination.
- **High-speed scan**
80 rows of data can be acquired simultaneously for each scan. For example, for a scan with a slice thickness of 0.5 mm, it is possible to cover up to 40-mm region in 0.35*¹ or 0.5*² seconds.
Since the acquisition is completed in a short period of time, this alleviates the burden on the patient, but also improves throughput by eliminating the need to wait for the X-ray tube to cool down.

COMPOSITION

CGS-55A/1

- Software disks1 set
- Manuals.....1 set

CGS-55A/0

- License sheet.....1 set
- Manuals.....1 set

PERFORMANCE SPECIFICATIONS

The functions supported when this kit is combined are described below.

X-ray detection

- Data acquisition: 896 channels × 80 rows

Acquisition

- Conventional scan (S & S, S & V)

4-row scan	0.5, 1, 2, 3, 4, 5, 8, and 10 mm
1-row scan	1, 2, 4, 6, and 8 mm

- Volume scan

80-row scan	0.5 mm
64-row scan*	0.5 mm
40-row scan	1 mm

- Dynamic volume scan

80-row scan	0.5 mm
64-row scan*	0.5 mm
40-row scan	1 mm
4-row scan	8 and 10 mm

- Helical scan

80-row scan	0.5 mm
64-row scan	0.5 mm
40-row scan	0.5 and 1 mm
20-row scan	0.5 and 1 mm
4-row scan	0.5 mm

*: Only for Aquilion Lightning

X-ray generation

- X-ray beam shape
 - Fan beam
 - Channel-direction angle (fan angle): 49.2°
 - Slice-direction angle (cone angle): Max. 3.8°

*1: For Aquilion PRIME

*2: For Aquilion Lightning

MASS

- Mass: 0.1 kg (0.2 lb)

POWER REQUIREMENTS

Power is supplied from the CT system.

AMBIENT CONDITIONS

Same as those specified for the CT system.

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