

## 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\*<sup>1</sup> or 0.5\*<sup>2</sup> 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 disks .....1 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**

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- Mass: 0.1 kg (0.2 lb)

## **POWER REQUIREMENTS**

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Power is supplied from the CT system.

## **AMBIENT CONDITIONS**

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Same as those specified for the CT system.

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