

## 3.6 Specification



### NOTE

For detail, refer to operation manual attached to each component unit.

The contents of this operation manual may be subject to change due to system improvements.

See "1.4.1 Operation Environment" P.4 for the operation environment of the equipment except digital radiography system. See "1.4.2 Transportation and Storage Environment" P.5 for the transportation and storage environment of the equipment except digital radiography system.

### 3.6.1 X-Ray High Voltage Generator

#### ■ UD150B-40/D150BC-40 and GSC-2002L

Item		Specifications	
Radiography technique		General radiography, Bucky radiography, auto-changer radiography, tomography	
Number of connectable X-ray tubes		2 tubes	
Setting range *1 *2 *3	Radiography	Tube voltage	40 to 150 kV
		Tube current	10 to 1000 mA
			Any 12 of the following positions permitted by the X-ray tube can be used for each focus: 1000, 900, 800, 710, 630, 560, 500, 450, 400, 360, 320, 280, 250, 220, 200, 180, 160, 140, 125, 110, 100, 90, 80, 71, 63, 56, 50, 45, 40, 36, 32, 28, 25, 22, 20, 18, 16, 14, 12, 11, 10 mA
		mAs	0.5 to 800 mAs
Set from the following 65 positions. (500 mAs upper limit for AEC radiography.) 0.50, 0.56, 0.63, 0.71, 0.80, 0.90, 1.0, 1.1, 1.25, 1.4, 1.6, 1.8, 2.0, 2.2, 2.5, 2.8, 3.2, 3.6, 4.0, 4.5, 5.0, 5.6, 6.3, 7.1, 8.0, 9.0, 10, 11, 12.5, 14, 16, 18, 20, 22, 25, 28, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 320, 360, 400, 450, 500, 560, 630, 710, 800 mAs			

Item			Specifications
Setting range *1 *2 *3	Radiography	Time	0.001 to 10 sec
			Set from the following 81 positions. (Cannot be set with an mAs value below 0.5 or above 800 mAs. 500 mAs upper limit for AEC radiography.) 1.0, 1.1, 1.2, 1.4, 1.6, 1.8, 2.0, 2.2, 2.5, 2.8, 3.2, 3.6, 4.0, 4.5, 5.0, 5.6, 6.3, 7.1, 8.0, 9.0, 10, 11, 12, 14, 16, 18, 20, 22, 25, 28, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 320, 360, 400, 450, 500, 560, 630, 710, 800, 900 ms, 1.0, 1.1, 1.2, 1.4, 1.6, 1.8, 2.0, 2.2, 2.5, 2.8, 3.2, 3.6, 4.0, 4.5, 5.0, 5.6, 6.3, 7.1, 8.0, 9.0, 10 sec
Radiography programs			Advanced anatomical program method, offering up to 800 types of user-created radiography conditions.
Display method			Liquid-crystal display of radiography conditions, etc.
Setting method			Set on touch panel
Self-diagnostic functions			Displayed on touch panel
Nominal supply voltage (50/60 Hz)	400 V system		3-phase: 380/400/415/440/480 VAC
	200 V system		3-phase: 200/220/240 VAC
	Factor depending on the waveform		1.00
Power input			3-phase AC: 120 kVA
Rated output			80 kW (100 kV, 800 mA) Product of tube voltage and max. current that can flow in 0.1 s at 100 kV tube voltage
Short-time rating *2			150 kV 500 mA, 125 kV 630 mA, 100 kV 800 mA, 80 kV 1000 mA
Nominal max. tube voltage and max. tube current that can flow at nominal max. tube voltage *2			Short-time rating: 150 kV 500 mA Long-time rating: 125 kV 12 mA
Max. tube current and max. tube voltage to achieve max. tube current *2			Short-time rating: 80 kV 1000 mA Long-time rating: 75 kV 20 mA
Tube voltage and tube current combination for max. electrical output *2			Short-time rating: 80 kV 1000 mA, 100 kV 800 mA Long-time rating: 75 kV 20 mA, 125 kV 12 mA
Min. tube current time product			0.5 mAs
Long-time rating *2			75 kV 20 mA, 125 kV 12 mA
Nominal min. exposure time (AEC radiography) *4			3 ms
Dimensions	Operation panel		W308 × D82 × H345 mm
	Control cabinet		W700 × D400 × H1830 mm

Item		Specifications
Mass	Operation panel	2.5 kg
	Control cabinet	250 kg

- \*1: Setting range differs according to the X-ray tube type.
- \*2: Limited according to the X-ray tube type.
- \*3: The various conditions are as follows (conform to IEC-standards):  
Tube voltage (within  $\pm 8\%$ ), Tube current (within  $\pm 20\%$ )  
mAs within  $\pm (10\% + 0.2 \text{ mAs})$ , Time within  $\pm (10\% + 1 \text{ ms})$
- \*4: 9 ms if both of the following conditions apply.
  - Setting time is over 1s.
  - Phototimer receiver inside the FPD is used.