## SHIMADZU

# PRODUCT DATA

 $\begin{array}{c} {\rm General} \\ {\rm Radiographic} \\ {\rm System} \end{array} \quad \begin{array}{c} {\rm RADspeed \ Pro} \\ \end{array} \quad {\rm style \ edition} \quad {\rm VIVIX-S} \\ \end{array}$ 



### **GENERAL**

RADspeed Pro with DR system package is a digital radiographic system that provides a comfortable examination environment for operator and patient alike.

This package includes the Flat Panel Detector (FPD). FPD provides high definition images.

The Auto-stitching long view radiography can be performed. (Optional feature)

The TM and ® symbols are omitted in this document.

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### **FEATURES**

### (1) System layout

This system combines the digital radiograph with an X-ray high voltage generator, X-ray tube assembly, collimator, X-ray tube support, and if necessary, X-ray radiography table and/or X-ray radiography stand. The abundant combination of system components allows a variety of system configurations according to the intended applications.

### (2) Enhancement of tracking units

The enhanced tracking units such as for tracking with radiography conditions and positioning as well as the auto-positioning function help the operator save time and labor required for preparation for radiography while making the patient feel more relaxed during care. (Availability of these functions may vary depending on the options provided.)

### (3) Network connectivity for an optimal workflow

The system supports DICOM3.0 image format for diagnostic workstations and image transfer function.

## (4) Long View Radiography Function (option)

This option allows for generating a long view radiographic image by taking X-rays of continuous body parts, with the FPD position and the exposure field being interlocked.

## (5) Energy saving collimator with a bright irradiation field

LED is adopted as the light source to indicate the irradiation field. This reduces power consumption and improves brightness levels and durability.

### (6) Dose Management

Prior to exposure, dose area product (DAP) is estimated based on the exposure parameter setting and exposure area, and estimated value is displayed on the console. After exposure, DAP value is recalculated based on actual exposure parameter and displayed.



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## **SYSTEM CONFIGURATION**

The RADspeed Pro Auto package consists of DR system, X-ray high-voltage generator, X-ray tube assembly, collimator, and X-ray tube support and if necessary, X-ray radiography table and/or X-ray radiography stand.

## System configuration and accompanying documents

Component	Model Name	
Whole system	RADspeed Pro (DR package)	
	UD150B-40/L-40/V-40	
X-ray high voltage generator.	UD150L-40E/L-40F	
	0.6/1.2P326D-150	
	0.6/1.2P366D-150	
	0.6/1.2P324DK-125	
	0.6/1.2P364DK-125	
	0.6/1.2P324DK-85	
	0.6/1.2P364DK-85	
	0.6/1.2P164DK-85	
X-ray tube assembly	0.6/1.2P323DK-85	
	0.6/1.2P38DE-85	
	0.6/1.2P33DK-85	
	0.6/1.2P18DE-85	
	0.6/1.2P13DK-85	
	1/2P18DK-85	
	1/2P13DK-85	
Calling a companded V resultable a compant	CH-200	
Ceiling suspended X-ray tube support	CH-200M	
Floor mount X-ray tube support	FH-20HR, FH-21HR	
	BR-120T	
X-ray Bucky stand	BR-120	
	BR-120M	
	BK-200	
X-ray Bucky table	BK-120MK	
	BK-12HK	
V rou Callimater	R-300	
X-ray Collimator	R-20J	
DR system	VXvue	
Div Oyolom	VIVIX-S	



**SPECIFICATIONS** 

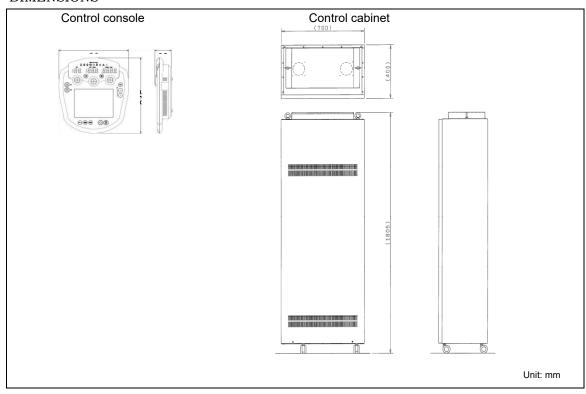
# X-Ray High Voltage Generator UD150B-40/V-40/L-40

	Item		Specifications
Radiography	technique		General radiography, Bucky radiography, Digital radiography
	onnectable X-ra	v tubes	2 tubes
Setting range	Radiography	Tube voltage	40 to 150kV
*1 *2 *3		Tube	B-40: 10 to 1,000m A
0		current	V-40: 10 to 800 mA
			L-40: 10 to 630 mA
		mAs	0.5 to 800 mAs
		Time	0.001 to 10 sec
Nominal supp	ply voltage (50/6		B-40/V-40: 200/220/240/380/400/415/440/480 VAC, 3-phase
			L-40 : 200/220/240/380/400/415/440/480 VAC, 3-phase or 200/220/240 VAC, single-phase
			Factor depending on the waveform: 1.00
Power input			B-40/V-40: 3-phase AC: 120 kVA
			L-40: 3-phase AC: 80 kVA or single-phase AC: 95 kVA
Rated output			B-40: 80 kW (100 kV, 800mA)
			V-40: 65 kW (100 kV, 650 mA)
			L-40: 50 kW (100 kV, 500 mA)
			Product of tube voltage and max. current that can flow in 0.1s at 100kV tube voltage
Short-time ra	iting *2		B-40: 150kV 500mA, 125kV 630mA, 100kV 800mA, 80kV 1,000mA
			V-40: 150kV 400mA, 125kV 500mA, 100kV 650mA, 80kV 800mA
N1 : 1			L-40: 150kV 320mA, 125kV 400mA, 100kV 500mA, 80kV 630mA
	x. tube voltage that can flow		B-40 : Short-time rating: 150 kV 500 mA
max. tube vo		at nominal	Long-time rating: 125 kV 12 mA
max. tube vo	ilage 2		V-40 : Short-time rating: 150 kV 400 mA
			Long-time rating: 125 kV 9 mA
			L-40 : Short-time rating: 150 kV 320 mA
			Long-time rating: 125 kV 9 mA
	rrent and max. t	ube	B-40 : Short-time rating: 80 kV 1,000 mA
voltage			Long-time rating: 75 kV 20 mA
to achieve ma	ax. tube current	*2	V-40 : Short-time rating: 80 kV 800 mA
			Long-time rating: 125 kV 9 mA
			L-40 : Short-time rating: 80 kV 630 mA
			Long-time rating: 125 kV 9 mA
	and tube curre		B-40 : Short-time rating: 80 kV 1,000 mA, 100 kV 800 mA
combination	for max. electric	al output *2	Long-time rating: 75 kV 20 mA, 125 kV 12 mA
			V-40 : Short-time rating: 100 kV 650 mA
			Long-time rating: 125 kV 9 mA
			L-40 : Short-time rating: 80 kV 630 mA, 100 kV 500 mA
			Long-time rating: 125 kV 9 mA
Dimensions		on panel	308(W) x 345(H) x 82(D) mm
		cabinet	700(W) x 1805(H) x 400(D) mm
Mass	Operati	on panel	2.5 kg
	Control	cabinet	B-40/V-40: 250 kg
			L-40: 240 kg



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## **DIMENSIONS**



### UD150L-40E/L-40F

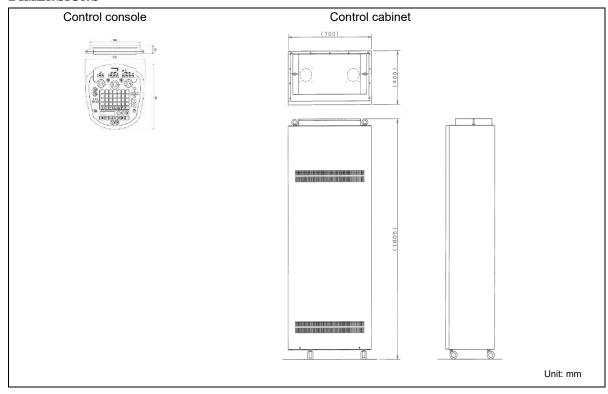
	Item		Specifications	
Radiogra	aphy technique		General radiography, Bucky radiography, Digital radiography	
Number of connectable X-ray tubes		X-ray tubes	L-40F: 2 tubes	
		-	L-40E: 1 tube	
Setting	Radiography	Tube voltage	40 to 150 kV	
range		Tube current	10 to 630 mA	
*1 *2 *3		mAs	0.5 to 800 mAs	
		Time	0.001 to 10 sec	
Nominal	supply voltage	(50/60Hz)	200/220/240/380/400/415/440/480 VAC, 3-phase	
			or	
			200/220/240 VAC, single-phase	
			Factor depending on the waveform: 1.00	
Power in	nput		3-phase AC: 80 kVA	
			or	
			Single-phase AC: 60 kVA	
Rated or	utput		3-phase AC: 50 kW (100 kV, 500 mA)	
			or	
			Single-phase AC: 32 kW (100 kV, 320 mA)	
			Product of tube voltage and max. current that can flow in 0.1 s at	
			100kV tube voltage	
Short-tin	ne rating *2		3-phase AC: 150 kV 320 mA, 125 kV 400 mA,	
Onon un	no ramig 2		100 kV 500 mA, 80 kV 630 mA	
			or	
			Single-phase AC: 150 kV 200 mA, 125 kV 250 mA,	
			100 kV 320 mA, 80 kV 400 mA, 60 kV 500 mA	
	max. tube volta		Short-time rating: 3-phase AC: 150 kV 320 mA	
			Single-phase AC: 150 kV 200 mA	
	e voltage *2		Long-time rating: 125 kV 4 mA	
	e current and m	nax. tube	Short-time rating: 3-phase AC: 80 kV 630 mA	
voltage			Single-phase AC: 60 kV 500 mA	
	ve max. tube cu			
rube vo	Itage and tube of	current	Short-time rating: 3-phase AC: 80 kV 630 mA, 100 kV 500 mA	



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Item		Specifications
combination for max. electrical output *2		Single-phase AC: 80 kV 400 mA, 100 kV 320 mA
	•	Long-time rating: 125 kV 4 mA
Dimensions	Operation panel	308(W) x 345(H) x 65(D) mm
Control cabinet		700(W) x 1805(H) x 400(D) mm
Mass	Operation panel	2 kg
	Control cabinet	240 kg

## **DIMENSIONS**



- \*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 +/-10%), Tube current (within +/-20%) mAs within +/- (10% + 0.2 mAs), Time within +/- (10% + 1 ms)

Options				
Item		Specifications		
Direct phototimer	Combination with a Shi	Combination with a Shimadzu receiver permits phototimer(AEC) radiography. The		
(AEC)	following types can be u	used:		
radiography	Xe detector-type phot	totimer receiver (SPT-XD series)		
option	Number of pick up fie	lds: 1/3/4(3 types)		
	Permitted combination:	up to three receivers		
B-40/V-40/L-40	Permits communication	Permits communication of radiographic conditions with DR unit		
Communication Unit				
High Speed Rotation	Power supply	Single phase 200 V,208 V,220 V,230 V,24 0V		
Starter SA-60		(for power and control circuits)		
	Power consumption	7.5 kVA		
	Frequency	50/60 Hz		
	Supply capacity	5 kVA		
	Voltage validation ±10%			
	Ground resistance Less than 100 ohm			
	Dimensions	520(W) x 400(H) x 470(D) mm		
	Mass	50 kg		



## X-Ray Tube Assembly

## 0.6/1.2P326D-150

Item			Specific	cations
Nominal X-ray tube voltage Long-time		Long-time	125 kV	
		Short-time	150 kV	
X-ray tube	Max. heat content		1100 kJ (1600 kHU)	
assembly	Nominal continuous	input power	470 W (660 HU/s) (with fail	า)
X-ray tube	Max. anode heat cor	ntent	424 kJ (600 kHU)	
	Max. anode heat dis	sipation rate	2000 W (2820 HU/s)	
	Max. continuous hea	at dissipation rate	300 W (420 HU/s)	
Nominal foca	al spot		0.6 mm	1.2 mm
Nominal and	de input power (0.1se	c, 180Hz)	38 kW	96 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
		Angle/diameter	12° / 100 mm	
Minimum tota	Minimum total Filtration		1.7 mm Al / 75 kV (including added filter)	
Permanent Filtration		1.0 mm Al / 75 kV		
X-ray radiation field		430 x 430 mm at SID 1m		
Mass			22 kg	

## 0.6/1.2P366D-150

Item			Specific	cations
Nominal X-ray tube voltage Long-time		125 kV		
		Short-time	150 kV	
X-ray tube	Max. heat content		1100 kJ (1600 kHU)	
assembly	Nominal continuous	input power	470 W (660 HU/s) (with fail	n)
X-ray tube	Max. anode heat co	ntent	424 kJ (600 kHU)	
	Max. anode heat diss		2000 W (2820 HU/s)	
	Max. continuous hea	at dissipation rate	300 W (420 HU/s)	
Nominal foca	al spot		0.6 mm	1.2 mm
Nominal and	de input power (0.1se	c, 180Hz)	24 kW	65 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
		Angle/diameter	16° / 100 mm	
Minimum tota	Minimum total Filtration		1.7 mm Al / 75 kV (including added filter)	
Permanent Filtration		1.0 mm Al / 75 kV		
X-ray radiation field		350 x 350 mm at SID 0.65 m		
Mass			22 kg	

## 0.6/1.2P324DK-85 & 0.6/1.2P324DK-125

Item			Specific	cations
Nominal X-ray tube voltage Long-time		Long-time	125 kV	
		Short-time	150 kV	
X-ray tube	Max. heat content		1100 kJ (1600 kHU)	
assembly	Nominal continuous	input power	470 W (660 HU/s) (with fail	n)
X-ray tube	Max. anode heat cor	ntent	280 kJ (400 kHU)	
	Max. anode heat dis	sipation rate	1600 W (2200 HU/s)	
	Max. continuous hea	at dissipation rate	300 W (420 HU/s)	
Nominal foca	al spot		0.6mm	1.2 mm
Nominal ano	de input power (0.1se	c, 180Hz)	38 kW	92 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
		Angle/diameter	12° / 100 mm	
Minimum tota	Minimum total Filtration		1.7 mm Al / 75 kV (including added filter)	
Permanent Filtration		1.0 mm Al / 75 kV		
X-ray radiation	X-ray radiation field		350 x 350 mm at SID 1 m	
Mass			22.5 kg	

### 0.6/1.2P164DK-85 & 0.6/1.2P364DK-85 & 0.6/1.2P364DK-125

Item	Specifications



Nominal X-ray tube voltage		Long-time	125 kV	
		Short-time	150 kV	
X-ray tube	Max. heat content		1100 kJ (1600 kHU)	
assembly	Nominal continuous	input power	470 W (660 HU/s) (with far	n)
X-ray tube	Max. anode heat co	ntent	280 kJ (400 kHU)	
	Max. anode heat dis	ssipation rate	1600 W (2200 HU/s)	
	Max. continuous he	at dissipation rate	300 W (420 HU/s)	
Nominal foca	Nominal focal spot		0.6 mm	1.2 mm
Nominal ano	de input power	50Hz (164DK)	12.7 kW	34.3 kW
(0.1sec)		60Hz (164DK)	13.8 kW	37.3 kW
		180Hz (364DK)	24 kW	65 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
		Angle/diameter	16° / 100 mm	
Minimum total Filtration		1.7 mm Al / 75 kV (including added filter)		
Permanent Filtration		1.0 mm Al / 75 kV		
X-ray radiation field		350 x 350 mm at SID 0.65 m		
Mass			22.5 kg	

## 0.6/1.2P323DK-85

	Item		Specific	cations
Nominal X-ray tube voltage Long-time		125 kV		
		Short-time	150 kV	
X-ray tube	Max. heat content		1100 kJ (1600 kHU)	
assembly	Nominal continuous	input power	470 W (660 HU/s) (with fail	n),
X-ray tube	(-ray tube Max. anode heat content Max. anode heat dissipation rate		210 kJ (300 kHU)	
			1200 W (1690 HU/s)	
	Max. continuous hea	at dissipation rate	250 W (350 HU/s)	
Nominal foca	al spot		0.6 mm	1.2 mm
Nominal and	de input power (0.1se	c, 180Hz)	38 kW	92 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
İ		Angle/diameter	12° / 100 mm	
Minimum tota	Minimum total Filtration		1.7 mm Al / 75 kV (including added filter)	
Permanent Filtration		1.0 mm Al / 75 kV		
X-ray radiation field		350 x 350 mm at SID 1 m		
Mass	•	•	21 kg	

## 0.6/1.2P18DE-85 & 0.6/1.2P38DE-85

	Item		Specific	ations
Nominal X-ra	Nominal X-ray tube voltage Long-time		125 kV	
		Short-time	150 kV	
X-ray tube	Max. heat content		1100 kJ (1600 kHU)	
assembly	Nominal continuous	input power	235 W (330 HU/s) (without	fan)
X-ray tube	Max. anode heat co	ntent	140 kJ (200 kHU)	
	Max. anode heat dis	sipation rate	640 W (900 HU/s)	
	Max. continuous hea	at dissipation rate	210 W (300 HU/s)	
Nominal foca	al spot		0.6 mm	1.2 mm
Nominal and	de input power	50Hz (18DE)	18 kW	48 kW
(0.1sec)		60Hz (18DE)	21 kW	53 kW
		180Hz (38DE)	37 kW	85 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
		Angle/diameter	12° / 100 mm	
Minimum total Filtration		1.7 mm Al / 75 kV (including added filter)		
Permanent Filtration		1.0 mm Al / 75 kV		
X-ray radiation	X-ray radiation field		350 x 350 mm at SID 1m	
Mass			22.5 kg	

## 0.6/1.2P13DK-85 & 0.6/1.2P33DK-85

Item			Specifications
Nominal X-ra	ay tube voltage	Long-time	125 kV
		Short-time	150 kV
X-ray tube	Max. heat content		1100 kJ (1600 kHU)
assembly	Nominal continuous	input power	235 W (330 HU/s) (without fan)



	Item		Specific	ations
X-ray tube	Max. anode heat of	ontent	140 kJ (200 kHU)	
	Max. anode heat d	lissipation rate	640 W (900 HU/s)	
	Max. continuous h	eat dissipation rate	210 W (300 HU/s)	
Nominal foca	al spot		0.6 mm	1.2 mm
Nominal and	de input power	50 Hz (13DK)	12.5 kW	34.5 kW
(0.1sec)		60 Hz (13DK)	14 kW	37.5 W
		180 Hz (33DK)	24 kW	65 kW
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum	
		Angle/diameter	16° / 100 mm	
Minimum tot	al Filtration		1.7 mm Al / 75 kV (including	g added filter)
Permanent Filtration			1.0 mm Al / 75 kV	
X-ray radiation field		350 x 350 mm at SID 0.65 m		
Mass			21 kg	

## 1/2P18DK-85

	Item		Specific	ations	
Nominal X-ra	Nominal X-ray tube voltage Long-time		125 kV		
		Short-time	150 kV		
X-ray tube	Max. heat content		1100 kJ (1600 kHU)		
assembly	Nominal continuous	input power	235 W (330HU/s) (without	fan)	
X-ray tube	Max. anode heat cor	ntent	140 kJ (200kHU)		
	Max. anode heat dis	sipation rate	640 W (900HU/s)		
	Max. continuous hea	at dissipation rate	210 W (300HU/s)		
Nominal foca	al spot		1 mm	2 mm	
Nominal ano	de input power	50 Hz (18DK)	35 kW	68.5 kW	
(0.1sec)		60 Hz (18DK)	39 kW	75 kW	
		18 0Hz (38D)	66.5 kW	117.7 kW	
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum		
		Angle/diameter	12° / 100 mm		
Minimum tota	al Filtration		1.7 mm Al / 75 kV (including added filter)		
Permanent Filtration			1.0 mm Al / 75 kV		
X-ray radiation field			350 x 350 mm at SID 1m		
Mass			22 kg: 18DK		
			21 kg: 38D		

## 1/2P13DK-85

	Item		Specific	ations	
Nominal X-ra	Nominal X-ray tube voltage Long-time		125 kV		
		Short-time	150 kV		
X-ray tube	Max. heat content		1100 kJ (1600 kHU)		
assembly	Nominal continuous	input power	235 W (330 HU/s) (without	fan)	
X-ray tube	Max. anode heat co	ntent	140 kJ (200 kHU)		
	Max. anode heat dis	sipation rate	640 W (900 HU/s)		
	Max. continuous hea	at dissipation rate	210 W (300 HU/s)		
Nominal foca	al spot		1 mm	2 mm	
Nominal and	de input power	50 Hz (13DK)	27.5 kW	64 kW	
(0.1sec)		60 Hz (13DK)	30 kW	70 W	
		180 Hz (33D)	53 kW	110 kW	
Anode Targe	et	Material	Rhenium-tungsten faced molybdenum		
	Angle/diameter		16° / 100 mm		
Minimum total Filtration			1.7 mm Al / 75 kV (including added filter)		
Permanent Filtration			1.0 mm AI / 75 kV		
X-ray radiation field			350 x 350 mm at SID 0.65 m		
Mass			22.5 kg		



## X-Ray Tube Support

CH-200					
Item	Standard type	Rear-mounting type (*1)	Front mount L type (option)	Low-ceiling type (option)	
In case of Standard type unit : mm					
2000	7	<b>*</b>	4000	*	
±180°	1400 STROKE > 98	INFE B60	180.	< 2950 ≥TR□KE >	
		STRUKE	385		
Maximum supportable weight			47 kg		
Balancing system		Spring	-balanced type		
Ceiling fixtures rail			rail: 4 m / 5.5 m il: 2 m / 2.6 m / 3.3 m		
Movement of X-ray tube	assembly				
Range of movement Vertical travel (*1)	With ceiling height of 2,860 mm: 400 to 2,000 mm	With ceiling height of 2,860 mm: 400 to 2,000 mm	With ceiling height of 2,860 mm: 320 to 1,920 mm	With ceiling height of 2,710 mm: 400 to 2,000 mm	
	Continuous				
Longitudinal travel	2,950 mm (with a 4 m fixed rail) (*2) 4,450 mm (with a 5.5 m fixed rail) (*2)				
Transverse travel	1,400 mm (with a 2 m travelling rail) 2,000 mm (with a 2.6 m travelling rail) 2,700 mm (with a 3.3 m travelling rail)				
Rotation about the vertic	al axis				
Angle of rotation ±180°, continuous (click stops at 90° intervals)			vals)	+30° to -90°, continuous (click stops at 90° intervals)	
Rotation about the horizon	ontal axis				
Angle of rotation	+120° to -180°, continuous Click stops at 0° and ±90°				
Operation		Manual, electro	omagnetic lock(off lock)		

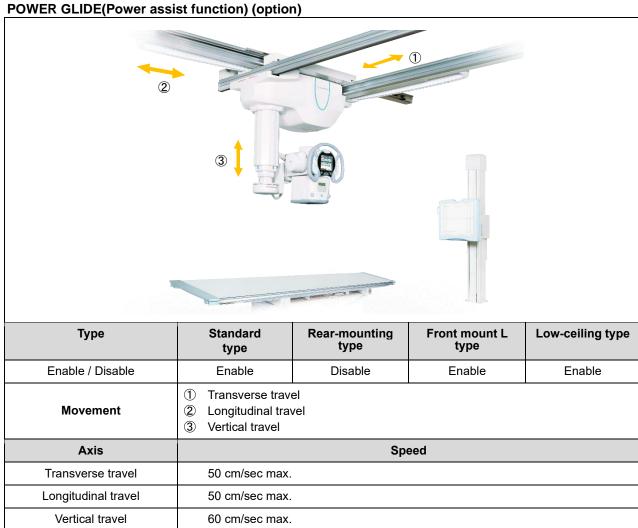


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Item	Standard type	Rear-mounting type (*1)	Front mount L type (option)	Low-ceiling type (option)
Display				
Standard ceiling height	2,860 mm (*3)			2,710 mm
Mass	250 kg (including support, 4 m fixed rail, and 2 m traveling rail)			
Power source	Single phase, AC100 V, 0.2 kVA, 50/60 Hz Single phase, AC 200, 220, 230, 240 V, 1.0 kVA, 50/60 Hz			

- \*1 Low-ceiling type and electric tomography, bucky synchronization unit are not available with the rear-mounting type.
- \*2 The traveling stroke decreases by 100mm in combination with the electronic tomography (optional) and the auto positioning function (optional).
- \*3 It is possible to keep the vertical travel 400 to 2,000mm by installing the focal height 350mm lower, even when the ceiling height is 3,210 mm.

Assist strength

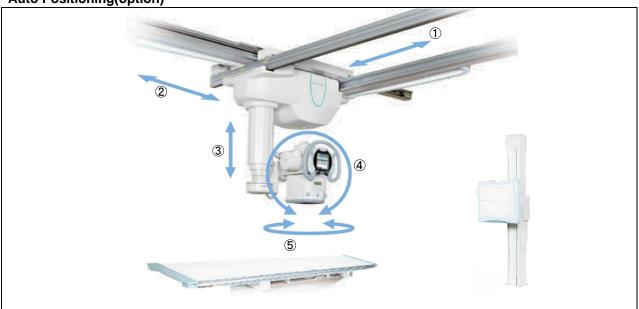


High / Mid / Low



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Auto Positioning(option)



Туре	Standard type	Rear-mounting type	Front mount L type	Low-ceiling type	
Enable / Disable	Enable	Disable	Enable	Enable	
Movement	<ul> <li>5 Longitudinal tra</li> <li>6 Vertical Travel</li> <li>7 Tube Rotation</li> <li>8 Swivel(option)</li> <li>9 Irradiation Field</li> <li>10 Buckly Tracking</li> </ul>	Transverse travel Longitudinal travel Vertical Travel Tube Rotation Swivel(option) Irradiation Field Collimation		POZ 60/	
Axis	Speed				
Transverse travel	10 cm/sec max.				
Longitudinal travel	15 cm/sec max.				
Vertical travel	10 cm/sec max.				
Tube rotation	20 degree/sec max.				
Swivel(option)	20 degree/sec max.				
Number of Memories	30 memories for Bucky Stand 30 memories for Bucky Table 30 memories for General radiodiography technique				

Item	Description		
Tractable cable management system	It is placed along the ceiling rails to supports smooth positioning.		
Longitudinal or Lateral SID display	The display shows SID for bucky stand BR-120/120T.		
Vertical tracking	X-ray tube will follow the vertical motion of BR-120/120T and or table height of the BK-200.		
Bucky tracking	The bucky device of BK-200 will follow the axis of X-ray beam automatically.		
Auto collimation	The irradiation field of the collimator can be adjusted automatically in accordance with the SID and cassette size detected by bucky devise of the table and/or stand.		



style edition VIVIX-S

## CH-200m

Item	Standard type	Rear-mounting type (*1)	Front mount L type (option)	Low-ceiling type (option)	
In case of Standard type	1400 STROKE 988	STRUKE 860	4000 180° 180° 180°	unit : mm	
Maximum supportable weight			39 kg		
Balancing system		Spring	-balanced type		
Ceiling fixtures rail			ail: 4 m / 5.5 m l: 2 m / 2.6 m / 3.3 m		
Movement of X-ray tube	assembly				
Range of movement Vertical travel (*1)	With ceiling height of 2,860 mm: 400 to 2,000 mm	With ceiling height of 2,860 mm: 400 to 2,000 mm	With ceiling height of 2,860 mm: 320 to 1,920 mm	With ceiling height of 2,710 mm: 400 to 2,000 mm	
	Continuous				
Longitudinal travel	2,950 mm (with a 4 m fixed rail) (*4) 4,450 mm (with a 5.5 m fixed rail) (*4)				
Transverse travel	1,400 mm (with a 2 m travelling rail) 2,000 mm (with a 2.6 m travelling rail) 2,700 mm (with a 3.3 m travelling rail)				
Rotation about the vertic	al axis				
Angle of rotation ±180°, continuous (		click stops at 90° inter	/als)	+30° to -90°, continuous (click stops at 90° intervals)	
Rotation about the horizon	ontal axis				
Angle of rotation			180°, continuous os at 0° and ±90°		

13

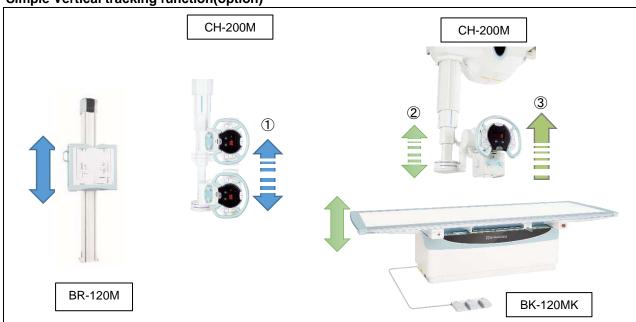


## style edition VIVIX-S

V1 V12 ~					
Item	Standard type	Rear-mounting type (*1)	Front mount L type (option)	Low-ceiling type (option)	
Operation	Manual, electromagnetic lock(off lock)				
Display	Angle of rotation displayed digitally.				
Standard ceiling height	2,860 mm (*3) 2,710 mm				
Mass	250 kg (including support, 4 m fixed rail, and 2 m traveling rail)				
Power source	Single phase, AC100 V, 0.7 kVA, 50/60 Hz				

<sup>\*1</sup> Low-ceiling type are not available with the rear-mounting design.

Simple Vertical tracking function(option)



Туре	Standard type	Rear-mounting type	Front mount L type	Low-ceiling type	
Enable / Disable	Enable	Enable	Enable	Enable	
Movement	*) When tube rota  **) To keep upper e  ***) To keep center  ② Vertical Tracking w  *) When tube rota	Vertical Tracking with BR-120M     *) When tube rotation is +90° or -90°.     ***) To keep upper edge of irradiation field and film/CR (BR-120M(CE))     ***) To keep center of X-ray beam and flim/CR (BR-120M(UL))      Vertical Tracking with BK-120MK     *) When tube rotation is 0 degree.     ***) To keep preset SID (The downward direction is deadman method using a switch on the CH panel).			
Axis	Speed				
Vertical travel	10 cm/sec max.				

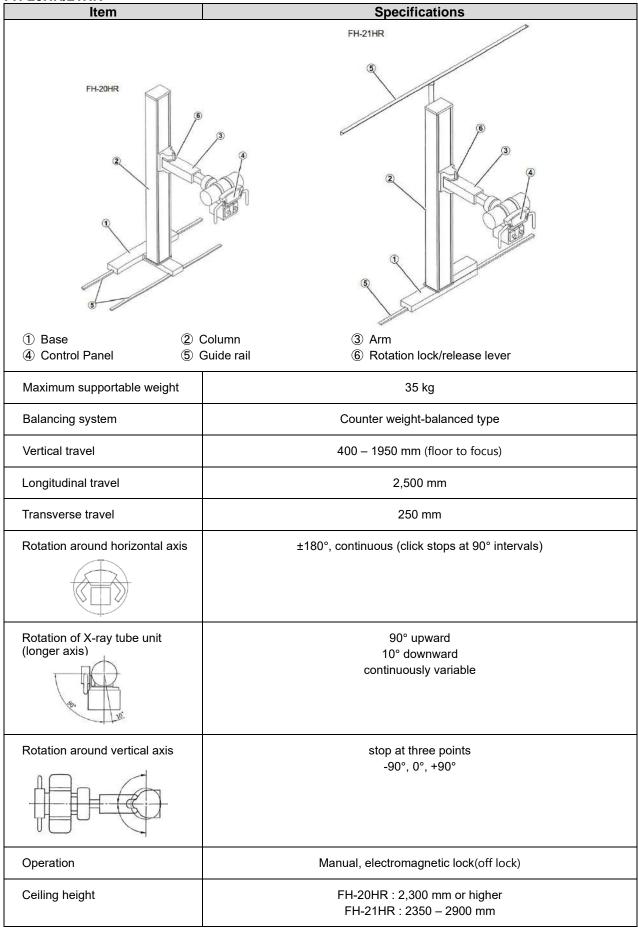
Options	
Item	Description
Vertical SID display	The display shows SID with vertical travel toward BK-120MK.
Longitudinal or Lateral SID display	The display shows SID for bucky stand BR-120M.
Tractable cable management system	It is placed along the ceiling rails to supports smooth positioning.

<sup>\*2</sup> It is possible to keep the vertical travel 400 to 2,000 mm by installing the focal height 350 mm lower, even when the ceiling height is 3,210 mm.



style edition VIVIX-S

## FH-20HR/21HR





Item	Specifications	
Required space for installation Refer to BK series		
Mass 140 kg (excluding X-ray tube assembly and collimator)		
Power source Single phase, AC100V, 0.3 kVA, 50/60 Hz		

# Collimator R-300

Item		Specifications	
Max. voltage used for applicable X-ray tube		150 kV	
Radiation	Shape	Rectangular	
field	Maximum field	52.3 x 52.3cm @SID 100 cm	
	Minimum field	0 x 0 cm	
Radiation	Average brightness	160lx @SID 100 cm	
field indication	Accuracy	Less than 2% of SID	
	Center of the field	Dark hair cross	
	Light source	LED	
	Period of indication	30 sec (timer-controlled)	
Opening indication	SID	1, 1.5, 1.8, 2 m	
-	Field size indication	Digital indication	
Lead equivalent of leaves	Shielding leaves	3 mm Pb eq.	
	(H and V-leaves)		
	Middle leaves	2 mm Pb eq.	
Filtration	Inherent filtration	1.1 mm Al eq.	
	Auto-filter	None / 0.1 mm Cu / 0.2 mm Cu / 0.3 mmCu	
		It automatically selects the X-ray filter in accordance	
		with the radiography conditions set with the X-ray high-	
		voltage generator.	
Turning mechanism		+/- 45°	
External dimensions		231(W) x 317(D) x 259(H) mm	
Mass 10 kg		10 kg	
Power supply		24 VDC, 150 VA	

**Options** 

Item	Description	
Line marker	Used to align the center positions of the Bucky device and the equipment, and to set the radiography position for long view radiography	
Detent	Fitted at the home position of the turning mechanism and serves to confirm the home position when the collimator is turned.	
DAP adapter for VACUTEC	This is a mounting adapter for ionization chamber manufactured by VACUTEC.	
	DAP can be displayed on the console of the high-voltage generator.  It also can be embedded in DICOM tag.	
DAP adapter for PTW	This is a mounting adapter for ionization chamber manufactured by PTW.	

## R-20J

Item		Specifications	
Max. voltage used for applicable X-ray tube		150 kV	
Radiation	Shape	Rectangular	
field	Maximum field	43 x 43 cm @SID 100 cm	
	Minimum field	0 x 0 cm	
Radiation	Average brightness	160 lx @SID 100 cm	
field indication	Accuracy	Less than 2% of SID	
	Center of the field	Dark hair cross	
	Light source	LED	
	Period of indication	30 sec (timer-controlled)	
Opening indication	SID	1, 1.5, 2 m	
	Field size indication	20,23,25,28,30,36,43 cm	
		8,9,10,11,12,14,17 inch	



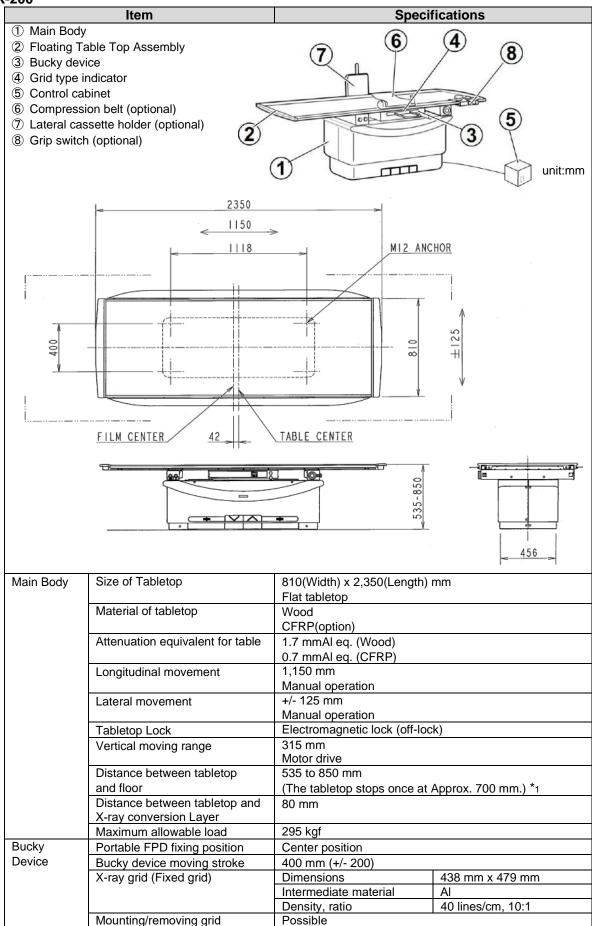
Item		Specifications	
Drive of leaves		Manual	
Lead equivalent of leaves Shielding leaves(H and V-leaves)		3 mm Pb eq.	
	Middle leaves	2 mm Pb eq.	
Filtration	Inherent filtration	1.0 mm Al eq.	
	Additional filter	0.5 mm Al. plate	
Turning mechanism		+/- 45°	
External dimensions		205(W) x 273(D) x 222(H) mm	
Mass		6 kg	
Power supply		AC 12 V : 50/60 Hz : 100 VA	
		or DC24 V 100 VA	

Optiono		
Item	Description	
Line marker	Used to align the center positions of the Bucky device and the equipment,	
	and to set the radiography position for long view radiography	
Detent	Fitted at the home position of the turning mechanism and serves to confirm	
	the home position when the collimator is turned.	
DAP adapter for VACUTEC	This is an adapter kit for DAP meter manufactured by VACUTEC.	
	DAP can be displayed on the console of DAP meter.	



style edition VIVIX-S

## X-ray Radiography Table BK-200





	Item	Specifications
Installation Conditions	Required space for installation	5,000(W) x 3,500(L) mm (to combine with the X-ray support device)
	Mass	320 kg
	Power Supply	Single-phase AC200, 220, 230, 240 V
		1.4 kVA, 50/60 Hz

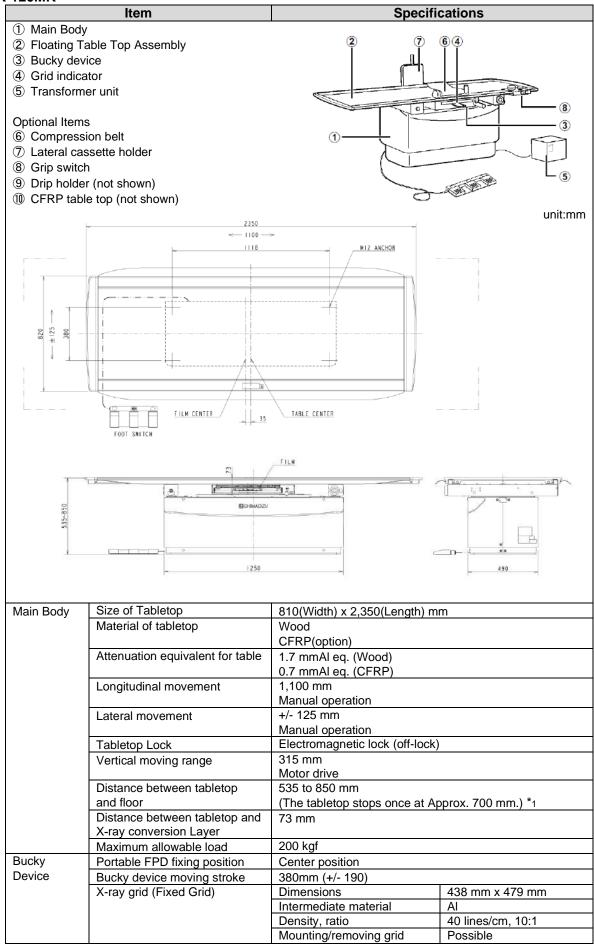
<sup>\*1</sup> When installing, the stop position can be adjusted within a height range of 600 to 700 mm.

Hom	Description	
<u>Item</u>	Description	
Compression belt	This belt to be attached to the sides of the tabletop secures the patient's radiography region to the tabletop.	
Lateral cassette holder	This holder to be attached to the side of the tabletop holds a cassette in lateral radiography.	
Grip switch	This switch to be attached to the side of the tabletop operates the floating tabletop.	
CFRP tabletop	This tabletop is made of CFRP (Carbon Fiber Reinforced Plastic).	
Table elevation Tracking device	Adds the following functions when combined with the X-ray tube support CH-200.	
	<ul> <li>The height of the X-ray tube support CH-200 is adjusted in conjunction with the height of the tabletop to maintain a constant exposure distance.</li> <li>The size of irradiation field is automatically adjusted.</li> </ul>	
Bucky tracking device	Incorporated into the tabletop elevator, this unit drives the Bucky device electrically. When this option is selected, Bucky tracking radiography is available if the X-ray tube support CH-200 is combined.	
Hand grip	Equipped with tabletop side and grasped by patient so that the patient position keeps steady.	
Drip stand	Attached to the tabletop side and suspends the drip bins.	
Rear side foot switch	Additional rear side foot switch which has the same function and shape than a front one.	
FPD rotation tray	The FPD tray can be rotated 90 degree to change the orientation of FPD. (Portrait ← → Landscape) This option is only for 14 x 17 inch (35 x 43 cm) FPD.	



style edition VIVIX-S

### **BK-120MK**





## style edition VIVIX-S

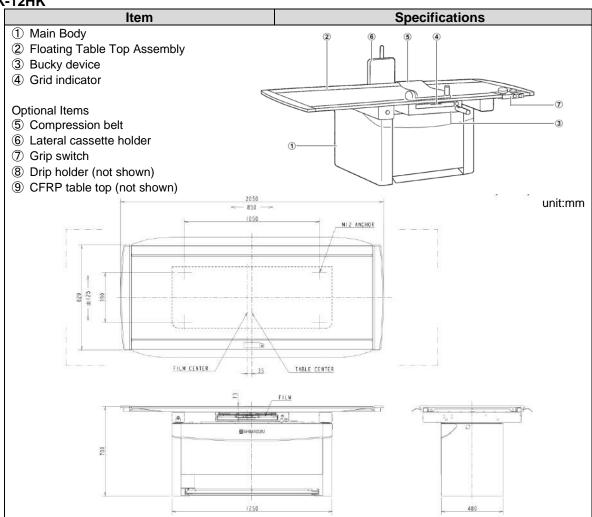
	Item	Specifications
Installation	Required space for installation	5,000(W) x 3,500(L) mm
Conditions		(to combine with the X-ray support device)
	Mass	320 kg
	Power Supply	Single-phase AC200, 220, 230, 240 V
		1.0 kVA, 50/60 Hz

<sup>\*1</sup> When installing, the stop position can be adjusted within a height range of 600 to 700 mm.

## **Options**

Item	Description	
Compression belt	This belt to be attached to the sides of the tabletop secures the patient's radiography region to the tabletop	
Lateral cassette holder	This holder to be attached to the side of the tabletop holds a cassette in lateral radiography.	
Grip switch	This switch to be attached to the side of the tabletop operates the floating tabletop.	
CFRP tabletop	This tabletop is made of CFRP (Carbon Fiber Reinforced Plastic).	
Hand grip	Equipped with tabletop side and grasped by patient so that the patient position keeps steady.	
Drip stand	Attached to the tabletop side and suspends the drip bins.	
FPD rotation tray	The FPD tray can be rotated 90 degree to change the orientation of FPD. (Portrait←→Landscape) This option is only for 14 x 17 inch (35 x 43 cm) FPD.	

## BK-12HK





## style edition VIVIX-S

Item		Speci	fications
Main Body	Size of Tabletop	810(Width) x 2,350(Length)	mm
	Material of tabletop	Wood	
		CFRP(option)	
	Attenuation equivalent for table	1.7 mmAl eq. (Wood)	
		0.7 mmAl eq. (CFRP)	
	Longitudinal movement	1,100 mm	
		Manual operation	
	Lateral movement	+/- 125 mm	
		Manual operation	
	Tabletop Lock	Electromagnetic lock (off-loc	ck)
	Vertical moving range	315 mm	
		Motor drive	
Distance between tabletop		700 mm	
	and floor		
	Distance between tabletop and X-ray conversion Layer	73 mm	
Maximum allowable load		200 kgf	
Buckv		ŭ .	
Device	Portable FPD fixing position	Center position	
Device	Bucky device moving stroke	380 mm (+/- 190) Dimensions	438 mm x 479 mm
	X-ray grid (Fixed Grid)	Intermediate material	AI
		Density, ratio	40 lines/cm, 10:1
		Mounting/removing grid	Possible
La atallatia a	Demoised as a seferimentallation	0 00	Fossible
Installation Conditions	Required space for installation	5,000(W) x 3,500(L) mm	yunnart davisa)
Conditions	Mass	(to combine with the X-ray s	support device)
	1110100	Single-phase AC100 V, 0.1 kVA, 50/60 Hz	
	Power Supply	Single-phase AC 100 V, 0.1	KVA, 30/00 MZ

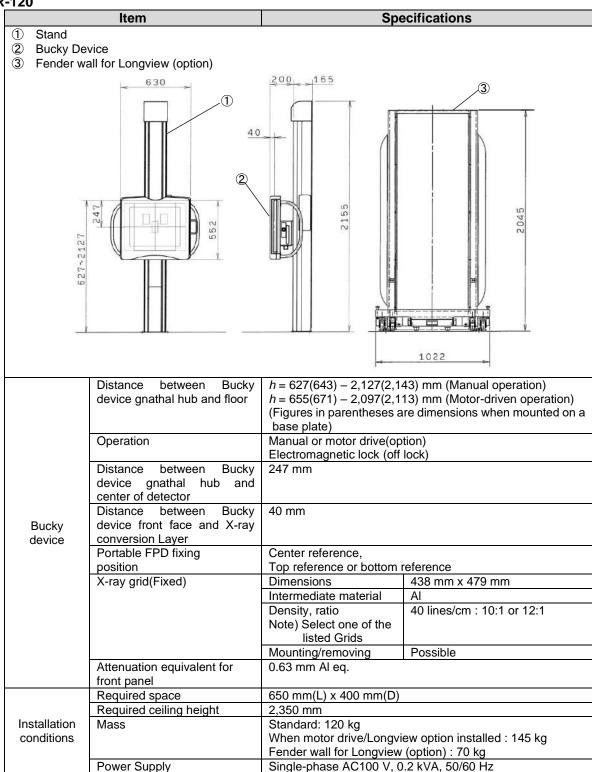
Item	Description	
Compression belt	This belt to be attached to the sides of the tabletop secures the patient's radiography region to the tabletop	
Lateral cassette holder	This holder to be attached to the side of the tabletop holds a cassette in lateral radiography.	
Grip switch	This switch to be attached to the side of the tabletop operates the floating tabletop.	
CFRP tabletop	This tabletop is made of CFRP (Carbon Fiber Reinforced Plastic).	
Hand grip	Equipped with tabletop side and grasped by patient so that the patient position keeps steady.	
Drip hanger	Attached to the tabletop side and suspends the drops.	
FPD rotation tray	The FPD tray can be rotated 90 degree to change the orientation of FPD. (Portrait ← → Landscape) This option is only for 14 x 17 inch (35 x 43 cm) FPD.	



style edition VIVIX-S

## X-Ray Radiography Stand

### **BR-120**



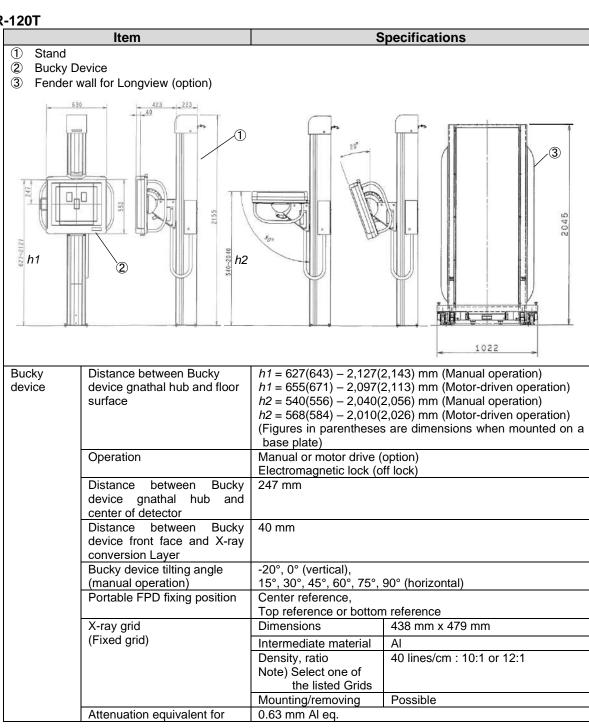
Options	
Item	Description
Overhead hand grip	For lateral chest exam to grip overhead, adjust the height by the position of gripping.
Cassette holder	Cassette unit is attached on bucky device and holds a film cassette.
Base plate	Base plate is installed when the equipment cannot be mounted in the standard holes.
Wall mounting option	Fix the top of column to wall. Use when the fixation to floor is difficult.
Side hand grips	For P-A chest exam. to grip both hands, a pair of left and right.



### style edition VIVIX-S

111112			
Item	Description		
Bucky tracking device	By servo tracking device, the following functions are attached with CH-200 combined:		
	X-ray tube unit focus of X-ray tube support tracks automatically the center on height of Bucky device. Collimator for radiography radiation field operates automatically.		
Compression belt	This belt fixes the radiography area of a patient on the Bucky device.		
Handy switch unit	To control collimator near a patient with handy switch unit.		
Motor drive unit (w/ Foot switch)	To move the Bucky device vertically with foot switch.		
FPD rotation tray	The FPD tray can be rotated 90 degree to change the orientation of FPD. (Portrait ← → Landscape) This option is only for 14 x 17 inch (35 x 43 cm) FPD.		
Fender wall	To be used for long view radiography.		
	A compression band (option) for the patient stand can be used to hold the patient in position.		
Hand grip for Fender wall	Supports the posture of the patient when he/she is resting on the patient stand.		

### **BR-120T**





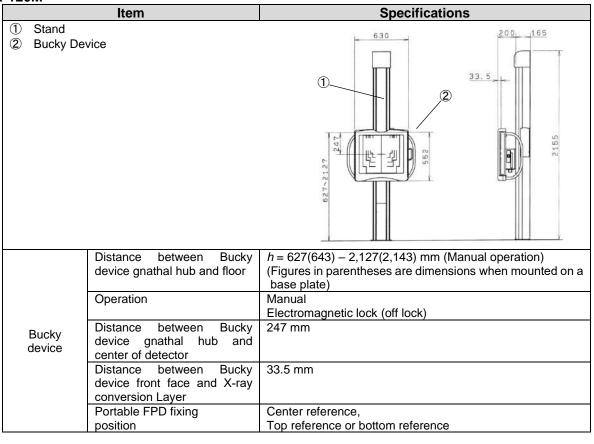
## style edition VIVIX-S

Item		Specifications
	front panel	
Installation	Required space	650 mm(L) x 700 mm(D)
conditions	Required ceiling height	2,350 mm
	Mass	Standard: 160 kg
		When motor drive/Longview detection option installed: 185kg
		Fender wall for Longview (option) : Approx.70 kg
	Power Supply	Single phase AC100 V, 0.2 kVA, 50/60 Hz

**Options** 

Options	
Item	Description
Overhead hand grip	For lateral chest exam to grip overhead, adjust the height by the position
	of gripping.
Cassette holder	Cassette unit is attached on bucky device and holds a film cassette.
Base plate	Base plate is installed when the equipment cannot be mounted in the standard holes.
Side hand grips	For P-A chest exam. to grip both hands, a pair of left and right.
Bucky tracking device	By servo tracking device, the following functions are attached with CH-200 combined:
	X-ray tube unit focus of X-ray tube support tracks automatically the
	center on height of Bucky device. Collimator for radiography radiation
	field operates automatically.
Compression belt	This belt fixes the radiography area of a patient on the Bucky device.
Handy switch unit	To control collimator near a patient with handy switch unit.
Motor drive unit (w/ Foot switch)	To move the Bucky device vertically with foot switch.
FPD rotation tray	The FPD tray can be rotated 90 degree to change the orientation of FPD.
	(Portrait ←→ Landscape) This option is only for 14 x 17 inch (35 x 43 cm)
	FPD.
Fender wall	To be used for long view radiography.
	A compression band (option) for the patient stand can be used to hold
	the patient in position.
	Maximum allowable load: 295 kg
Hand grip for Fender wall	Supports the posture of the patient when he/she is resting on the patient stand.

## **BR-120M**





## style edition VIVIX-S

Item		Spe	ecifications
	X-ray grid(Fixed)	Dimensions	438 mm x 479 mm
		Intermediate material	Al
		Density, ratio	40 lines/cm : 10:1 or 12:1
		Note) Select one of the	
		listed Grids	
		Mounting/removing	Possible
	Attenuation equivalent for	0.63 mm Al eq.	
	front panel		
	Required space	650 mm(L) x 400 mm(D)	
Installation	Required ceiling height	2,350 mm	
conditions	Mass	120 kg	
	Power Supply	Single-phase AC100 V, 0	).2 kVA, 50/60 Hz

Item	Description
Overhead hand grip	For lateral chest exam to grip overhead, adjust the height by the
	position of gripping.
Cassette holder	Cassette unit is attached on bucky device and holds a film cassette.
Base plate	Base plate is installed when the equipment cannot be mounted in the standard holes.
Wall mounting option	Fix the top of column to wall. Use when the fixation to floor is difficult.
Side hand grips	For P-A chest exam. to grip both hands, a pair of left and right.
Compression belt	This belt fixes the radiography area of a patient on the Bucky device.
FPD rotation tray	The FPD tray can be rotated 90 degree to change the orientation of FPD.
	(Portrait←→Landscape) This option is only for 14 x 17 inch (35 x 43 cm) FPD.



## Digital Radiography System

Item	Specification
Application	General X-ray radiography
Size of imaging unit	VIVIX-S 4343FW, VIVIX-S 4343VW, VIVIX-S 4343VW PLUS:
	VIVIX-S 2530VW, VIVIX-S 2530VW PLUS: W284 x D350 x H15.0 mm VIVIX-S 1751S: W532 x D1357 x H30.0 mm
Scintillator	CsI (except VIVIX-S 1751S), GOS (VIVIX-S 1751S)
Pixel Size	VIVIX-S 4343FW, VIVIX-S 3643FW, VIVIX-S 2530FW: 99 $\mu$ m VIVIX-S 4343VW, VIVIX-S 4343VW PLUS, VIVIX-S 3643VW, VIVIX-S 3643VW PLUS, VIVIX-S 1751S: 140 $\mu$ m VIVIX-S 2530VW, VIVIX-S 2530VW PLUS: 124 $\mu$ m
Effective number of pixel	
Effective field of view	VIVIX-S 4343FW: 423.324 x 423.324 mm VIVIX-S 3643FW: 347.292 x 423.324 mm VIVIX-S 2530FW: 245.916 x 296.604 mm VIVIX-S 4343VW, VIVIX-S 4343VW PLUS:426.72 x 426.72 mm VIVIX-S 3643VW, VIVIX-S 3643VW PLUS:355.04 x 426.72 mm VIVIX-S 2530VW, VIVIX-S 2530VW PLUS:250.976 x 314.464 mm VIVIX-S 1751S: 428.4 x 1288.0 mm
Dynamic Range	VIVIX-S 4343FW, FXR-3643FW, FXR-2530FW: 303 min. VIVIX-S 4343VW, VIVIX-S 3643VW, VIVIX-S 2530VW: 900 min. VIVIX-S 4343VW PLUS, VIVIX-S 3643VW PLUS, VIVIX-S 2530VW PLUS: 1028 min. VIVIX-S 1751S: 400 min
Gradation	16 bit (65,536 gradations)
Weight (Including battery	
	Two battery pack: 3.65 kg (8.0 lbs) VIVIX-S 4343VW PLUS One battery pack: 3.7 kg (8.2 lbs)
	Two battery pack: 3.9 kg (8.6 lbs)  VIVIX-S 3643FW  One battery pack: 2.4 kg (5.3 lbs)  Two battery pack: 2.6 kg (5.7 lbs)
	VIVIX-S 3643VW One battery pack: 2.95 kg (6.5 lbs) Two battery pack: 3.15 kg (6.9 lbs)
	VIVIX-S 3643VW PLUS  One battery pack: 3.1 kg (6.8 lbs)  Two battery pack: 3.3 kg (7.3 lbs)
	VIVIX-S 2530FW: 1.7 kg (3.7 lbs) VIVIX-S 2530VW: 1.95 kg (4.3 lbs)
Weight	VIVIX-S 2530VW PLUS: 2.15 kg (4.7 lbs)
Weight  Mechanical Strength	VIVIX-S 1751S: 19.7 kg  Partial load: 200 kg (440 lbs), given 40 mm (1.6 in) diameter Uniform load: 400 kg (881 lbs) over all surface VIVIX-S 1751S: N/A



## style edition VIVIX-S

Item			Specification	
	Water Proof / Dust Proof		ust Proof	VIVIX-S 4343FW, VIVIX-S 3643FW, VIVIX-S 2530FW, VIVIX-S 4343VW, VIVIX-S 4343VW PLUS, VIVIX-S 3643VW , VIVIX-S 3643VW PLUS, VIVIX-S 2530VW , VIVIX-S 2530VW PLUS: IP67 VIVIX-S 1751S: IPX0
	Battery Life			VIVIX-S 4343FW, VIVIX-S 3643FW, VIVIX-S 4343VW, VIVIX-S 4343VW PLUS, VIVIX-S 3643VW, VIVIX-S 3643VW PLUS: One battery pack: 270 frame (100 sec interval) Two battery pack: 540 frame (100 sec interval) VIVIX-S 2530FW:
				270 frame (100 sec interval) VIVIX-S 2530VW, VIVIX-S 2530VW PLUS: 252 frame (100 sec interval) VIVIX-S 1751S: N/A
	Battery Charge Time		Time	VIVIX-S 4343FW, VIVIX-S 3643FW, VIVIX-S 2530FW, VIVIX-S 4343VW, VIVIX-S 4343VW PLUS, VIVIX-S 3643VW, VIVIX-S 3643VW PLUS: Approx. 2 H by Cradle Approx. 2 H by first charging with wiring Unit VIVIX-S 2530VW, VIVIX-S 2530VW PLUS:
				Approx. 2 H by Cradle Approx. 2 H by first charging with wiring Unit VIVIX-S 1751S: N/A
	Wireles	ss Comm	unications	Standard (except VIVIX-S 1751S)
		Regula	tion	IEEE 802.11n/ac
		Freque	ncy band	2.4 GHz / 5 GHz
		Security	У	WPA2-PSK(AES)
	Image	Transfer		Gigabit Ethernet (1000BASE-T) (VIVIX-S 1751S only )
	(Specs recomr PC)	of mended	OS LAN Card	Windows 10 Pro 64 bit / Windows 11 Pro 64 bit  1000BASE-T Gigabit Ethernet card for detector interface (intel 1210 series)  Gigabit supported LAN card for network interface(optional)
			CPU	Intel Core i9-11900 or higher (or compatible CPU)
			Memory	16 GB or more
			HDD or	SSD, or NVME 100GB (or more)
B: :: 1			SSD	HDD 2TB or more
Digital			Monitor	General monitor : 1920 x 1080, 2560 x 1440
Radiography System				Surface pro 4: 2160 x 1440
- Cystoni	_		CD-ROM	CD or DVD Reader / Writer
	Image Preview Image Processing			Less than 5 seconds
			ng	Contrast Processing Noise Reduction
				Roise Reduction Grid Pattern Remove Process
				Auto Exposure Field Recognition
				Free Rotation
				Scatter Correction(option)
	DICOM			Print, Storage, MWM, MPPS, STORAGE COMMITMENT, RDSR

## **Exposure condition linkage**

Item	Details
APR linkage	The exposure conditions on the X-ray high voltage generator are automatically set in conjunction with the DR protocol selected on the DR console.  For the setting, there are the following two methods:  • X-ray conditions  • Auto positioning



style edition VIVIX-S

	Clinical application (for example, Long View)
Exposure field size	The exposure field size on the collimator is automatically adjusted in
interlock (option)	conjunction with the radiography menu selected on the DR console.
	Note that selecting the exposure field size on the X-ray tube support also
	switches the exposure field size on the DR console.
Patient information	The patient information on the DR console is also displayed in the X-ray tube
display (option)	support screen.
	The displayed items are as follows:
	• Name
	• Gender
	• Age
	• ID number

<sup>\*:</sup> Operation icon which indicates X-ray tube used, radiography technique, and FPD used

## Long View Radiography Function (option)

This option allows for generating a long view radiographic image by taking X-rays of continuous body parts, with the FPD position and the exposure field being interlocked.

Item	Details
Supported FPD	VIVIX-S 3643VW
	VIVIX-S 3643VW PLUS
	VIVIX-S 3643FW
	VIVIX-S 4343VW
	VIVIX-S 4343VW PLUS
	VIVIX-S 4343FW
Long view radiography range	Stand: 160cm max. (4 exposure)
	Table: 120cm max. (3 exposure)
	(The value on the FPD detection surface. The region varies depending on the
	size and direction of the FPD, and the amount of image overlap.)
No. of exposures for a long view	4 exposures max.
image	(The set long view radiography region is evenly split by the No. of the
	exposures.)
Long view radiography time	About 30 sec from the start of the first exposure until all exposures are
	completed, and about 45 sec until the composite long view image is
	completely displayed (in Auto Save mode).
	(When combined with VIVIX-S 3643FW, three exposures at standing
	position under wireless connection with radiography region of 120 cm.
	The time varies depending on stand/table, X-ray tube, FPD, No. of long
	view images, radiography region, and timing of radiography.)

## **Operation Environment**

**Digital Radiography System** 

Item	Specifications
Ambient temperature	10 to 30 degree C
Relative humidity	35 to 80% (non condensing)
Atmospheric pressure	700 to 1060 hPa

**Except Digital Radiography System** 

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Item	Specifications
Ambient temperature	10 to 40 degree C
Relative humidity	30 to 85% (non condensing)
Atmospheric pressure	800 to 1060 hPa

## **Power Supply**

**Except Digital Radiography System** 

Item	Specifications
Phase	3-phase, single-phase
Frequency	50/60 Hz



style edition VIVIX-S

Standard voltages	3-phase 200/220/240/380/400/415/440/480V Single-phase 200/220/230/240V
Permitted voltage range	+/- 10% of standard voltage
Supply capacity	3-phase 120 kVA Single-phase 14.9 kVA

Label Description: RADspeed Pro

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Shimadzu Corporation Medical Systems Division has been certified by TÜV Rheinland as a manufacturer of medical systems in compliance with ISO9001:2015 Quality Management Systems and ISO13485:2016 Medical Devices Quality Management Systems.

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  The appearances and specifications are subject to change for reasons of improvement without notice

  Items and components in the photos may include optional items. Please confirm with your sales representative for details.

  Certain configurations may not be available pending regulatory clearance.

  Contact your sales representative for information on specific configurations.

  Before operating this system, you should first thoroughly review the Instruction Manual.