

Technical Specification Sheet

800mA/150kVp, High Frequency Radiographic X-Ray System, 65kW (MODEL: KAIGEN-65R)

Component	Parameter	KAIGEN-65R	
X-Ray Generator	Type	KAIGEN-65R	High Frequency
	Power		380 VAC $\pm$ 10%, Three Phase, 50/60Hz
	Nominal Output		65 kW
	Output Frequency		30 kHz
	Rating Value		800mA @ 80kV, 400mA @ 150kV
	kV, mA Range		40 ~ 150 kV
			10 ~ 800 mA
	Exposure Time Range		0.001 ~ 10 sec
	mAs range		0.01 ~ 800mAs
	Microprocessor controlled operation		Available
	Type of Console		Membrane
	Memory for different radiographic examination		Available
	Automatic Exposure Control		Available
	Anatomic Programs		Available
	Overload Protection		Available
	Self Diagnostic Function		Available
	Bucky Selection Switch		Available
	Hand Switch		Available

X-Ray Tube	Tube Type	LTN-50 (E7252X)	Rotating Anode
	Maximum Tube Voltage		150 kV
	Anode Heat Storage Capacity		300 kHU (210 kJ)
	Maximum Anode Heat Dissipation Rate		667 HU/s (475 W)
	Anode Speed		Min. : 2700/3200 rpm (50/60 Hz), Max. : 9700 rpm (180 Hz)
	Focal Spot Size		Small : 0.6 mm / Large : 1.2 mm
	Maximum Tube Current		Small : 400 mA / Large : 1000 mA
	Maximum Input Energy at 0.1 sec		Small : 27 kW, Large : 75 kW
	Target Angle		12°

	Type	SFC-31F *Basic*	Floor to Ceiling
	Size		
	- Column		227cm (Extension : 20cm ~ 40cm and more)
	- Arm		Max.length 134cm / Min.length: 108cm
	- Rail		Length: 350cm (Extension is available)
	Tube Movement		
	- Vertical		39cm ~ 189cm from bottom (150cm)
	- Cross		24cm from column
	- Horizontal - Standard		245cm
	- Arm Rotation		$\pm$ 180 degree
	- Column Rotation		Not Available
	Lock System		Electro-magnetic
	Others		Well Counter-Balance Aluminium Casting Rigid Type
	Type	SFC-31R	Floor to Ceiling
	Size		
	- Column		227cm (Extension : 20cm ~ 40cm and more)
	- Arm		Max.length 134cm / Min.length: 108cm
	- Rail		Length: 350cm (Extension is available)
	Tube Movement		
	- Vertical		39cm ~ 189cm from bottom (150cm)
	- Cross		24cm from column
	- Horizontal - Standard		245cm
	- Arm Rotation		$\pm$ 180 degree
	- Column Rotation		$\pm$ 180 degree
	Lock System		Electro-magnetic

X-Ray Tube Support	Counter-balance system	SFM-31	Weight Balance
			Aluminium Casting Rigid Type
	Type		Floor to Mounting
	Size		
	- Column		227cm (Extension : 20cm ~ 40cm and more)
	- Arm		Max.length 134cm / Min.length: 108cm
	- Rail		Length: 350cm (Extension is available)
	Tube Movement		
	- Vertical		39cm ~ 189cm from bottom (150cm)
	- Cross		24cm from column
	- Horizontal - Standard		245cm
	- Arm Rotation		± 180 degree
	- Column Rotation		± 180 degree
	Lock System		Electro-magnetic
	Counter-balance system		Counter-Weight
			Aluminium Casting Rigid Type
	Type	CSTS-28	Ceiling Suspended Tube Support
	Rail Length		3,000 x 2,400 mm (Changeable)
	Ceiling Height		Approx. 3,048mm
	Tube Movement		
	- Vertical		1,400 mm
	- Lateral		760mm
	- Longitudinal		1,070mm
	- Arm Rotation		± 180 degree
	- Column Rotation		± 180 degree
	Lock System		Electro-magnetic
	Counter-balance system		Spring Balance Type
			Aluminium Casting Rigid Type

X-Ray Collimator	Rectangular Motor Driven	BLD-150RK (LISTEM)	Not Available
	Rectangular Two Pairs of Parallel Shutters		Available
	Rectangular Max Opening		Max 35 cm x 35 cm at SID 65 cm
			Min 5 cm x 5 cm at SID 100 cm
	Rectangular Accuracy		±2 %
	Shielding Rate		150 kV Max
	Motorized Control		Not Available
	Inherent Filtration		1.5 mm Al. Eq
	Illuminance		> 160 LUX @ 100cm

Patient Table (Option)	Type	KOB-I	Four-way Floating top bucky Table with electric Locks operated by Sensor
	Longitudinal movement of Bucky Device		410mm
	Table Size		210(L) x 74(W) x 70(H) cm
	Longitudinal table top movement		73cm (+36.5 / - 36.5)
	Lateral floating of table top		32cm (±16cm)
	Table top locking mechanism		Electro Magnetic (PMB)
	Table to Film distance		7.5ch
	Bucky Device		Reciprocating Grid
	Cassette Size		18cm x 24cm (8"x10") to 35cm x 43cm (14"x17")
	X-Ray grid ratio		10:1, 35lp/cm
	Slot for accessories		Compression band, Hand grip, etc
	Type	KOB-III	Four-way Floating top bucky Table with electric Locks operated by Foot S/W
	Longitudinal movement of Bucky Device		510mm
	Table Size		210(L) x 80(W) x 70(H) cm
	Longitudinal table top movement		115 cm
	Lateral floating of table top		32cm (±16cm)
	Table top locking mechanism		Electro Magnetic (PMB)
	Table to Film distance		7.5ch
	Bucky Device		Reciprocating Grid
	Cassette Size		18cm x 24cm (8"x10") to 35cm x 43cm (14"x17")
	X-Ray grid ratio		10:1, 35lp/cm
	Slot for accessories		Compression band, Hand grip, etc
	Type		Six-way Floating top bucky Table with electric Locks
	Longitudinal movement of Bucky Device		410mm
	Table Size		210(L) x 74(W) x 50~90(H) cm
	Longitudinal table top movement		73cm (+36.5 / - 36.5)

	Lateral floating of table top	KOB-60	32cm (±16cm)
	Table top locking mechanism		Electro Magnetic (PMB)
	Table to Film distance		102mm
	Bucky Device		Reciprocating Grid by Spring
	Cassette Size		18cm x 24cm (8"x10") to 35cm x 43cm (14"x17")
	X-Ray grid ratio		8:1, 85lp/cm
	Slot for accessories		Compression band, Hand grip, etc

Bucky Stand (Option)	Type	BS-40W	Tilting Bucky Stand and Table
	Bucky Travel		Min 670mm ~ Max 1760mm, stroke 1160mm
	Bucky Movement		Manual
	Bucky Tilting		90°, 0°
	Bucky Tilting Movement		Auto
	Bucky Tilting Speed		4.5' / S
	Balancer		Weight Balancer
	Table Tilting		90°, 0°
	Table Tilting Movement		Auto
	Table Tilting Speed		9° / S
	SID Movement		110CM~180 CM
	Bucky Movement		Auto
	Chest Mode Dimension		1850(H) x 873(W) x 2024(L)
	Table Mode Dimension		741(H) x 873(W) x 2024(L)
	Weight		280Kg
	Type	BS-30W	Tilting Bucky Stand
	Bucky Travel		Min 670mm ~ Max 1760mm, stroke 1160mm
	Bucky Movement		Manual
	Bucky Tilting		90°, 0°
	Bucky Tilting Movement		Auto
	Bucky Tilting Speed		4.5' / S
	SID MOVEMENT		Motorized 110CM~180 CM
	Balancer		Weight Balancer
	Size - Column - Length	BS-20	214cm
	Bucky Movement - Vertical		380mm ~ 1,755mm from bottom
	Cassette size		18cm x 24cm (8"x10") to 35cm x 43cm (14"x17")
	Bucky device		Reciprocating Grid by Spring
	Cassette Tray		
	Bucky Grid		Size - 17" x 17" , ratio 10:1, 103lines/cm
	Lock System		Electro magnetic lock (PMB)

HT CABLE	Super Flexible Cable with terminal	HVC-6	Available
	Max kV		150kV
	Length		6m (Pair)

* The specification is subject to be changed without notice