

X-DRS Ceiling Standard

Technical Specifications



Ceiling stand

Minimum focus-ceiling distance	830 mm
Vertical telescope travel range	1800 mm
Longitudinal travel range	3500 mm (optional: 5645 mm) Detent positions configurable during installation
Transverse travel range	2150 mm (optional: 3500 mm) Detent positions configurable during installation
Length of transverse track	3030 mm (optional 4380 mm)
Tube rotation range, horizontal axis	120° / +120° Stitching option: -140° / +140° Detent positions at: -90°, 0°, +90°
Tube rotation range, vertical axis	-154° / +182° Detent positions at: -90°; 0°; +90°; +180°
Front touch user interface:	SID Horizontal tube rotation angle Generator control Stitching option: Stitching control
Motorized Movements	Vertical movement of the telescope Stitching option: Tube rotation, horizontal axis (only in stitching mode) Stitching option: Vertical movement of the wall stand (only in stitching mode)
Tracking	Tube follows bucky of the wallstand Tube follows table height Stitching option: Tube rotation and vertical movement at the wall stand are coordinated (only in stitching mode).

Elevating Table

Tabletop width	80 cm (31.5")
Tabletop length	240 cm (94.5")
Table height (motorized adjustment)	54 cm to 93 cm $\pm$ 1.5 cm (21.3" to 36.6" $\pm$ 0.6")
Tabletop travel	Longitudinal: $\pm$ 48 cm ($\pm$ 18.9"); Transverse: $\pm$ 14 cm ($\pm$ 5.5")
Patient weight	280 kg in standard positions (patient in lying position or sitting in the middle of the table), 200 kg in other positions

Wallstand

Vertical movement	34 cm to 173 cm (13.4" to 68.1") above floor (center to center) Stitching option: 37 cm to 173 cm (14.6" to 68.1") above floor (center to center)
Tilting Bucky	Tiltable from -20° to $+90^{\circ}$ with $0^{\circ}/90^{\circ}$ detent

Generator options

Power rating	55 kW	65 kW	80 kW
mA range 60 kV	1 mA to 640 mA	1 mA to 1000 mA	1 mA to 1000 mA
100 kV	1 mA to 550 mA	1 mA to 650 mA	1 mA to 800 mA
125 kV	1 mA to 443 mA	1 mA to 524 mA	1 mA to 645 mA
150 kV	1 mA to 366 mA	1 mA to 433 mA	1 mA to 533 mA
kV range	40 kV to 150 kV		
mAs range	0.5 mAs to 800 mAs		
Time range	1 ms to 5 s (1-point/2-point technique), 20 ms to 5 s (3-point technique)		
General features	Automatic Exposure Control (AEC), high speed starter		
Dimensions (L x W x H)	1020 x 570 x 542 mm		

Tube options

Power rating	34 kW/80 kW	30 kW/50 kW	40 kW/80 kW
Focal spot	0.6/1.2	0.6/1.0	0.6/1.0
Anode heat storage	350 kHU	600 kHU	600 kHU
Tube voltage	150 kV		
Anode drive frequency	150 Hz or 180 Hz		

Other Specifications

Collimator	LED, Laser line localizer, rotation from -45° to $+45^{\circ}$, detent at 0°
DAP (option)	DAP-chamber integrated in the collimator

Detector

Selectable Detectors	X-DR L WiFi	X-DR L WiFi Premium	X-DR XL WiFi	X-DR XL WiFi Premium
Pixel Size	150 µm	100 µm	139 µm	100 µm
Pixel Matrix	2,304 px x 2,800 px	3,500 px x 4,300 px	3,072 px x 3,072 px	4,267 px x 4,276 px
Weight	3.4 kg	2.8 kg	4.6 kg	3.4 kg
Protection Class	IPX1	IP56	IPX1	IP56
Uniform Load	150 kg	300 kg	100 kg	300 kg
Local Load	100 kg (4 cm diameter)	150 kg (4 cm diameter)	100 kg (4 cm diameter)	150 kg (4 cm diameter)

Software

Configurations	EXAMION X-AQS DICOM Modality SCU • DICOM Worklist SCU • DICOM Store SCU EXAMION X-AQS PACS • Integrated Mini-PACS
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