

Mobile medical DR X-Ray Radiography Machine

Product features






- 1) HF generator and independent head, closed-loop control, stable output, good repeatability, fast response and high accuracy.
- 2) Digital closed-loop control technology, 32-bit microprocessor real-time control, ensuring the accuracy and repeatability of the dose.
- 3) Touch screen adjustment, color screen display, dual-core control.
- 4) There is a body anatomy program, and users can also modify the parameters by themselves.
- 5) With high-voltage over-voltage protection, tube current over-current protection, output overload protection, fault notification,
- 6) Perfect heat capacity protection function to protect the target surface of the X-ray tube.
- 7) Ergonomic structure design, simple and convenient operation.
- 8) Electric power assist, more convenient and lightweight.
- 9) Battery capacitor dual energy storage mode, can take more than 20 films offline, more reliable for emergency use.
- 10) Distance from focus to image receiving surface (focus screen distance)

The distance from the focal point to the image receiving surface (focus screen distance): 1250 ~ 1900 (mm)

The distance from the focus to the image receiving surface is adjustable. Pull the ruler on the beam limiter to the value reflected by the image receiving surface to indicate the distance from the focus to the image receiving surface. When the X-ray source component is moved so that the focal distance is one meter, the radiation range of X-rays after passing through the x-ray collimator is 430 × 430 (mm).


- 11) If you move the adjustment handle of the x ray collimator, you can adjust any rectangle not larger than 430 × 430 (mm).

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Main configuration		Technical Parameters
<p>X ray tube</p>		<ol style="list-style-type: none"> 1. Bifocal size (small / large): 0.6 / 1.2 mm 2. Maximum rated power @ 0.1s: 16 / 32kW @ 50 Hz Maximum tube current: 200/400 mA @ 50 Hz Maximum tube voltage: 150 kVp 3. Anode thermal capacity: 220 kWh, anode angle: 12 °, anode rotation speed: 2700 rpm @ 50 Hz 4. Focus center: The center of focus of the X-ray tube assembly is balanced at any position within the range of 1250 ~ 1900 mm, and the braking is reliable. 5. X-ray tube range: <ol style="list-style-type: none"> 1) The highest position from the ground is ≥ 1850 mm, and the lowest position is 950 mm; 2) The reference axis can be turned laterally by $\pm 90^\circ$ ($\pm 5^\circ$)
<p>X ray collimator</p>		<ol style="list-style-type: none"> 1. Minimum inherent filtration: 1mmAl 2. Power supply: AC / DC 24V 150W 3. Maximum tube voltage: 150kVP 4. When SID = 1m, the maximum radiation field is $\geq 43\text{cm} \times 43\text{cm}$
<p>Wireless flat panel detector</p>		<ol style="list-style-type: none"> 1. Technology used: amorphous silicon TFT and photodiode; 2. Image size: 17 "× 17"; 3. Spatial resolution: 3.5p / mm; 4. Detection gray level (A / D bit number): 16 bit; 5. Data interface: Gigabit Ethernet; 6. Holographic acquisition time: $\leq 4\text{s}$; 7. Pixels: 3072X3072 pixels 8. Wireless transmission

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Note: Continued from the form on the previous page

Main configuration		Technical Parameters	
<p>HV Generator</p> 		Power requirements	Single-phase sinusoidal AC: non-sinusoidal distortion less than 2% of its amplitude
			Power supply voltage: 220VAC ± 10%
			Power frequency: 50Hz
			Power supply internal resistance: not more than 1Ω
			Power capacity: 3.5 KVA
		General parameters	Output power: 32 KW
			Rated voltage: 220VAC ± 10%
			Inverter frequency: 60kHz
		Exposure parameters	Exposure kV range: 40kV-125kV, 1kV step
			Exposure mA range: 10-400mA
			Exposure ms range: 1.-6300ms
		The main parameters	kV adjustment button: single arrow adjustment step is 1kV. Range: 40 to 150KV (accuracy ± 10%)
			mA adjustment button: single arrow adjustment according to R'20 rule, accuracy ± 20%
			ms adjustment button: single arrow adjustment according to R 20 rule, accuracy ± 10% + 1ms
Maximum output power: 20kW			
X-ray tube voltage: 100kV			
X-ray tube current: 200mA			
Nominal output power: 20 kW (100 kV ³ 200 mA)			
Nominal tube voltage and corresponding maximum tube current: 125kV			
Nominal tube current and corresponding maximum tube voltage: 200mA 100kV			