

Technical data

Power supply specification

- voltage: 115 - 240 Vac, $\pm 10\%$, with automatic adaptation
- frequency: 50 / 60 Hz ± 2 Hz, with automatic adaptation
- current: 7A at 240V, 15A at 115V, nominal temporary peak absorption
- current absorption in standby mode: max 1A

Technical factors

- anode voltage: 60 - 85 kV, automatic and manually selectable in steps of 1
- anode current: 1 - 10 mA, automatic and manually selectable in steps of 1, in the whole kV range
- mA and kV pattern modulated in real time during X-ray exposure
- automatic compensation of the spine absorption
- duty cycle 1:20 at full power operation (85kV, 10mA)
- focal spot 0.5 – IEC 60336 (1993)
- inherent filtration: 3.4 mm Al equivalent, at 85 kV
- embedded X-ray shielding behind receptor, 1.5 mm Pb, exceeding requirements of IEC60601-1-3
- exposure time: panoramic adult in 9.3s, child dentition in 7.3s
- telerradiographic exposure time: from 3.6 seconds to 10 seconds depending on the examination
- exposure time range: 160ms – 14s (R10 scale)

Image acquisition device

- technology: CCD (charge coupled device)
- direct exposure protection: FOP (Fibre Optics Plate)
- pixel size: 48 x 48 μm
- grey levels: 16384 - 14 bit A/D conversion
- resolution: more than 5 LP/mm

Image file

- panoramic image size, max: 1528x2797 pixel (16 bit)
- cephalometric image size, max: 2291x3125 pixel (16 bit)
- transfer time: max 10 sec for complete presentation on PC screen (Ethernet)
- panoramic file size: max 8 Mb uncompressed
- cephalometric file size: max 14 Mb uncompressed

Installation Requirements

- weight: 159 kg (351 lbs)
- weight with telerradiographic arm: 187 kg (412 lbs)
- telescopic motorized column
- wall or floor support, free standing base available
- dimensions in millimetres (and inches) - see scheme

PC requirements

- supported operating systems: Microsoft® Windows® XP Service Pack 2 or later, Microsoft® Windows® Vista, Windows® 7
- display setting: 1024 x 768 or higher, 32 bit true colour

