

# TOP-X HF

100 KHZ HIGH-FREQUENCY X-RAY GENERATORS



- ▶ 30-65 kW/ 400-820 mA/ 40-150 kV range
- ▶ 1/2 tubes RAD with AEC
- ▶ more than 1700 anatomical programs
- ▶ optional high-speed starter
- ▶ CAN interface



## GENERAL DESCRIPTION

TOP-X HF X-ray generators are designed to meet the requirements of any high patient – throughput radiology department. By utilizing the latest and most up-to-date electronic components and designs, precise and reliable radiographs are virtually guaranteed, even in the most demanding clinical environment. When designing, the most important aspects considered were clear and simple operation as well as adaptation to different types of examination devices. The small footprint of the power cabinet and the newest CAN interface, ensure the greatest flexibility for designers when planning an X-ray room. The generator is available in either one- or twotube versions, and with two different styles of control panel to choose from.

## GENERATOR

- › 100 kHz high-frequency operation - reduced patient dose, light weight
- › CAN and traditional interface – easy installation, optimal noise protection
- › Automatic mains voltage compensation before and during exposure
- › Automatic exposure control (AEC) – max. 4 channels, with 1- or 3-field chambers
- › Normal and high-speed X-ray tubes can be used – built in optional high speed starter
- › Two tubes, four bucky and tomo handling
- › Small size, easy placement – useable in the smallest of rooms



## OPERATOR CONSOLE

- › Clearly arranged modern design
- › Two different styles: glass- and plastic frame
- › Large graphical LCD for APR and system messages
- › Separate bright displays for main numerical parameters (kV, mA, ms, mAs)
- › Multi-level APR with more than 1700 preprogrammable examinations
- › Real-time HU calculation and automatic X-ray tube protection
- › Automatic focal-spot and rotation-speed selection
- › Ergonomically designed sterling-steel stand
- › Optional two-step manual exposure push button
- › CAN connection to the power unit
- › Quick automatic tube-calibration
- › Self-diagnostic and high-level service program for simple and quick fault elimination

We reserve the right for modifications!

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## TECHNICAL DATA

- › Output power: 30-65kW
- › Output voltage: 40-150 kV
- › Output current: 10 mA – 820mA (max.)
- › mAs range: 0.5-820 mAs
- › Exposure time: 1 msec – 6 sec
- › Anatomical programs: more than 1700
- › High voltage ripple frequency: 100 kHz

The products comply with the following standards: IEC 601-1, IEC 601-2-7, EN 60601-1-2

Manufacturing according to: CE 0120

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