

PHILOSOPHY HF 400



High frequency x-ray unit – touch screen – automatic

Philosophy HF 400

X-ray unit designed for
CR – DR digital systems



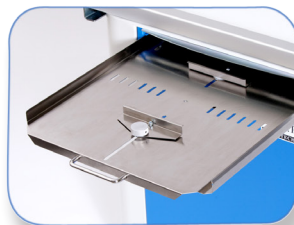
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Head rotation
+/- 90° (optional)



Removable
x-ray grid



X-ray steel
plate cassette



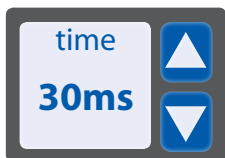
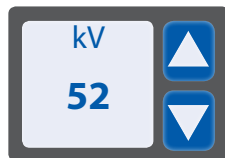
Cleat rope ties
(optional)

COLLIMATOR

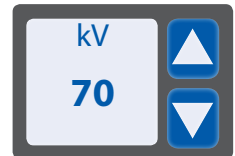
- Patient support table 4 ways with mechanical brakes
- Max weight capacity for patient support table 100 Kg
- Table absorption thickness 5 mm 0,8 mm
- Film focus distance 100 cm
- Multilayer
- Variable field from 0x0 to 43x43 cm, 100 cm DDF
- High intensity halogen lamp 160 lux at 100 cm
- Lamp timer at 30s

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■ Selectable operating system



_____ technique _____
3 points



2 points



■ Automatic anatomic programme



- PC touch screen 15" multi-language run by processor
- 100 programmed anatomical parts, reprogrammable by the operator
- 19 different patient weights
- 4 reinforcement pattern speed
- USB port for software updates

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X- ray Generator

- Monoblock
- Max Power 30 kW
(300 mA - 100 kV - 100 mS)
- Max Voltage 99 kV - 125 kV
- Max Power Supply 400 mA
- Frequency ripple 40 KHZ
- Ripple 1%
- Monoblock heat capacity
825 kJ - 1103 KHU

X- ray Tube

- X-ray tube with rotating anode
3000 rpm
- Focal spot 0,6-1,3 mm
- Anode angle 15°
- Heat capacity 80kJ - 107 KHU
- Continuous thermal dissipation
max anode 300 W

Power Supply

- Standard Voltage
230/240 V $\pm$ 10%
- 50-60 Hz
- Line resistency 0,4 Ω
- Power consumption < 1A

Safety and protection

- Filament current safety
and automatic control
- Overcurrent and
overvoltage protection
(kV e mA)
- X-ray tube load protection
- Reporting errors or
malfunction



- Selection of mA in 7 values from 80 to 400 mA
- Selection of exposure time from 0,003 to 2 sec.
- Continuous selection of kV from 40 to 125 kV
- Selection of 25 max values 125 - 250 mAs (optional)



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