



X-Pack DIM

X-Ray Subsystem for Surgery

Product Highlights

- Component package consisting of **D**ynamic **I**mage intensifier, including software and **M**onobloc generator
- Further integrated components extension options: collimator, grid, display and control desk
- Easy to integrate in your system
- Philips image quality
- Fast & simple operation
- Short time to market
- Customized for your needs

Product Description

X-Pack is a complete solution for an X-ray image chain and ready to integrate into your system. The package comes with Philips image quality and can be customized to your request.

For validation and certification work after the X-ray image chain integration we will also support you. X-Pack is designed for lithotripsy, surgery and urology applications.

The 7,5 or 15 kW generator together with Philips rotating anode X-ray tube covers all standard radiographic applications. A basic solution is also available with a 3,5 kW generator with a fixed anode tube.

Technical Data

X-Ray Generation

Application	7,5 kW	15 kW
Pulsed fluoro 3,6 or 12 F/sec (T pulse = 20 msec)	I = 30,60 mA (30,60 mA small focus)	I = 30,60 or 120 mA (30, 60 mA small focus) (60,120 mA large focus)
Snap shot (burst 5 pulses) Burst time = 280 msec	yes	yes
Continuous fluoroscopy mA range	40 - 120 kV 0,2 - 5 mA low 0,4 - 10 mA high	40 - 120 kV 0,2 - 5 mA low 0,4 - 10 mA high
Scan rate (Isowatt curve or standard fluoro curve)	2 - 30 F/sec	2 - 30 F/sec
Generator type	7,5 kW	15 kW
Nominal output (kW)	7,5	15
Ripple at max. power	< 2 %	< 2 %
kV rise time at max. power	< 1 ms	< 1 ms
Max. mains resistance at 230 V / (120 V) (Ohm)	< 0,5 (0,25)	< 0,25 (0,12)
Number of X - ray tubes	1	1
Monobloc	HF1 R/8	HF1 R/8
Monobloc heat capacity in J / HU	600 kJ / 810 KHU	600kJ / 810 KHU
Monobloc weight (kg)	21,5	21,5
Cont. heat dissipation	75 W	75 W
Monobloc inherent filtration @ 75 kV / mmAL	1,4	1,4
Anode angle (monobloc)	10 °	10°
Integrated tube load (measured internally)	yes	yes
Small / large focus	0,3 / 0,6 Rot. Anode 3000 Rpm	0,3 / 0,6 Rot. Anode 3000 Rpm

X-Ray Detection for 9" or 12" image intensifier

Standard Package
Fluoro package
LIH (Last Image Hold)
ABC (Automatic Brightness Control)
Dose measuring field area correction
II Zoom II=9" with 3 fields =23 cm , 17 cm and 14 cm II=12" with 3 fields =31 cm, 23 cm and 17 cm
White clipping
X - ray dose level
Noise reduction
Edge enhancement
Horizontal / vertical flip
White compression
AGC (Automatic Gain Control)
B/W Invert

Options
Plus package
Electronic zoom
Contrast / brightness control
DICOM grey scale
Extended memory: 125 can be stored (Image size = 1.5 MB / 12 bit deep)
Surgery package
Rotation Description: rotation of the image corr. The image orientation (due to C-arm angulations) User controllable: yes, 0 - 360 ° in steps of 8°
Customized package
On request

Technical Features

- Fluoro, pulsed fluoro, low dose and snap shot
- Wide range of imaging features including noise reduction
- Intuitive user-interface
- Application programs
- Modular package, one source
- Pre-installation, pre-testing
- Your system color, tailor-made user interface
- Software interface to system operating desk
- Image quality adaptations
- Lead- or copper-collimator, remote control option
- Second footswitch, second user interface
- Dose area calculated or measured by ion chamber

X-Pack DIM

... Reliability thanks to high quality components

... Skilled team to support you

... Customized for your needs