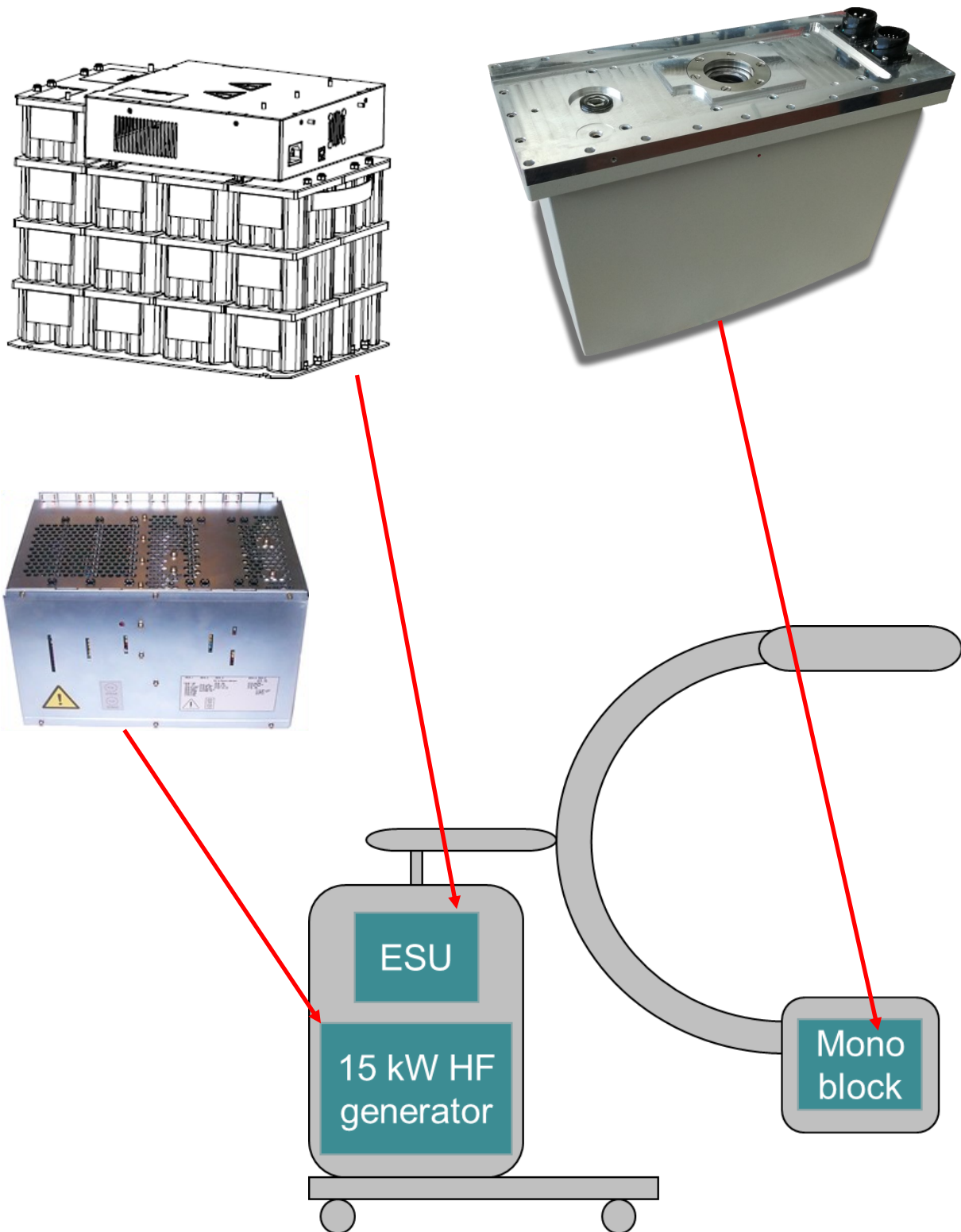


IXION 15 kW

X-RAY SYSTEM FOR MOBILE C-ARM



TECHNICAL SPECIFICATION

Description

The system is designed for high end C-arm. It is composed by an X-ray source (Monoblock), a 15 kW HF generator (HFG) and an energy storage unit (ESU). The monoblock contains the rotating anode tube and all components useful to supply high voltage; the HF generator has the function to drive the monoblock, assuring power transferring and regulation in accordance with inputs received by an external control unit. The ESU receives and stores energy from mains and supplies the HFG.

X-ray tube

- Model: IAE—RTM 780H
- Focal spots: 0.3—0.6 (IEC 60336)
- Voltage: 120 kV
- Nominal anode input power: 6.0 and 25.0 kW
- Continuous heat dissipation: 550 W

Monoblock

- Model: Gilardoni—10403500
- Dimensions: 400x185x275(H) mm
- Weight: 27.5 kg
- Operating temperature: +10°C—+40°C
- Voltage: 40—120 kV
- Current: up to 125 mA
- Max peak power: 15 kW (120 kV at 125 mA)
- Filtration: Permanent equivalent (with fixed added filtration) 6.75 mm Al / 75 IEC 60522/1999.
- Max heat capacity: 1350 kJ (@ 20°C)
- Max radiation field: 315 mm @ 100 cm (IEC 806) symmetrical; optional: 340 x 548

HF generator

- Model: Gilardoni—10403400
- Dimensions: 315x200x205(H) mm
- Weight: 8.5 kg
- Storage temperature: -25°C—+70°C
- Operating temperature: +10°C—+40°C
- Power supply: 230 Vac \pm 10% single phase
- Frequency: 50/60 Hz
- DC Input voltage supply: 234—365 Vdc
- Current: 1.5 A (continuous) / 11 A (during rotor acceleration)
- Max peak power: 15 kW (120 kV at 125 mA)
- Cooling: internal fan
- Clearance for air flow: > 10 mm
- Protection alarms:
 - Over-voltage X-ray tube
 - Over-current in the X-ray tube
 - Other protections

ESU

- Model: 10445700
- Dimensions: 360x261x292(H) mm
- Weight: 36 kg
- Storage temperature: -25°C—+40°C (+55°C for less than 5 weeks)
- Operating temperature: +10°C—+50°C
- Power supply: 230 Vac \pm 10% single phase
- Frequency: 50/60 Hz
- Output voltage: 234—365 Vdc
- Output current: up to 90 A

Dimensions in mm

RESEARCH LABORATORIES acknowledged "High Qualified" with decree D.M. 9-10-1985 - L.46/82 art.4

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