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## PHILIPS BV Pulsara C-arm X-ray machine (Reconditioned)

- Reconditioned (used),
- Technical condition: very good,
- Visual condition: very good,
- Real photos of the product,
- Made in the Netherlands,
- Power supply: 230 V,
- Battery power: via 26 built-in 12V, 2.6 Ah batteries,
- Frequency: 50/60 Hz,
- PHILIPS BV Pulsara is a powerful mobile fluoroscopy system for the most demanding surgical and interventional procedures. It can work continuously even for the longest invasive procedures. Its rotating anode technology and automatic deep penetration mode give it the ability to x-ray patients of virtually any weight and see the finest detail with projections from a variety of angles,
- The ultra-compact mobile station fits perfectly into the surgical process. The Mobile View Station's unique smart viewing concept provides the user with easy transportation, easy and intuitive system setup and optimal viewing capabilities.
- Equipped with a 9-inch image intensifier, it can handle the most advanced procedures, as well as all routine and special procedures:
  - Cardiovascular procedures (peripheral/abdominal/cerebral),
  - Orthopedic surgery (fractures, fixation),
  - Abdominal surgery (cholangiography, urological studies),
  - Neurosurgical procedures (pain management, vertebroplasty),
  - Thoracic surgery,
- Specifications:
- X-ray tube:
  - Tube type: Rotating anode,
  - Anode diameter: 2.8 in,
  - Anode angle: 10°,
  - Nominal focal length values: 0.3 mm and 0.6 mm,
  - Nominal X-ray tube voltage: 120 kV,
  - Maximum anode heat content: 222 kJ = 300 kHU,
  - Inherent filtration: 1.0 Al eq.
  - Additional filtration: 3 mm Al + 0.1 mm Cu,
- Collimator assembly:
  - Iris collimation with dual opposing lead apertures allowing elliptical, circular and rectangular collimation,
  - Minimum beam size < 5 X 5 cm²,
  - Aperture and shutters are infinitely variable,
  - All functions remotely controlled from the C-arm control panel,
- X-ray generator:
  - Generator type: 80 KHz high frequency inverter, constant potential (CP) generator, microprocessor controlled,
  - Max. Generator power: 7.5 kW,
  - Max. X-ray tube voltage: 120 kV,
  - Max. x-ray tube current: 100 mA,
- Continuous fluoroscopy:
  - KV range: 40 to 120 kV,
  - mA range for low-dose fluoroscopy mode: 0.10 to 8.3 mA (up to 10 mA during Auto High Penetration),
  - mA range for high-dose fluoroscopy mode: 0.24 to 20.0 mA,
- Pulsed fluoroscopy:
  - KV range: 40 to 120 kV,
  - Peak mA range: 0.4 to 12 mA,
  - Pulse width: 24, 40 ms,
  - Pulse width: 12.5 s,
- Half dose fluoroscopy:
  - KV range: 40-120 kV,
  - Peak mA range: 0.4 - 12 mA,
  - Pulse widths: 10, 16.6, 24 and 40 ms,
  - Pulse rate: 12.5 s,
- Spherical dose fluoroscopy:
  - KV range: 40-120 kV,
  - mA peak range: 0.4 - 12 mA,
  - Pulse widths: 10, 16.6, 24 and 40 ms,
  - Pulsed exposure: 6.25 s,
- Pulsed exposure:
  - KV range: 40-120 kV,
  - Peak mA range: 2.0 - 60 mA,
  - Pulse widths: 8.0, 9.5, and 11.1 ms,
  - Pulse frequency: 3-30 per second,
- Sharp shot:
  - KV range: 40 - 110 kV,
  - mA range: 0.9 to 75.0 mA,
  - Time range: 120 ms to 460 ms,
- Radiography:
  - kV range: 40-110 kV,
  - mA range: 60 mA constant,
  - mAs range (R'10 series from ISO 497): 3.2 to 125 mAs,
- 360° detection
  - Image intensifier type: triple mode 9"
  - Nominal format: 23,17 and 14 cm (9",7" and 5")
  - Input screen: cesium iodine,
  - Detection quantum efficiency (DQE) typical: 9":58,
  - Grid type: Circular, carbon fiber; 60 lines/cm ratio = 1:10 at FFD = 100cm,
- Video camera
  - High-resolution CCD camera,
  - 525 lines/frame,
  - Full frame capture,
  - Motorized 360° rotation,
  - Left-right image inversion,
  - Top-down image reversal,
  - Negative mode,
- Monitor:
  - Dual 18" in high resolution, anti-glare, anti-static,
  - Room ambient light sensor,
  - Multifunctional x-ray LED indicator,
- Image storage and processing:
  - Digital image processor type: Dedicated 12-bit video processor,
  - Displayed image matrix size: 1024 x 1280 x 8,
  - Image storage capacity and max speed:
    - Max. 10,000 images, 30 fps,
    - Max 5,000 images, 8 fps,
    - Max 500 images, 5 fps,
  - Database for multiple patients,
  - Image processing: 2D edge enhancement (real-time and post-processing), Windowing (real-time and post-processing), adaptive temporal recursive noise, reduction, detection
  - Image processing: 2D edge enhancement (real-time and post-processing), Windowing (real-time and post-processing), adaptive temporal recursive noise, reduction, motion detection, mosaic, replay, annotation,
  - Processing options: Subtraction, Roadmapping, Remasking, Trace, ViewTrace, Trace white (CO2 imaging), Memory roadmapping (Smart Mask),
- Geometry:
  - Longitudinal movement: 20cm (7.9"),
  - Rotation range: ± 10°,
  - Vertical movement: 50cm (+44/-6cm) Motorized (19.8", 17.3"/-2.5")
  - Rotation ± 180°, with safety stop at ± 135°,
  - Angle: (orbital movement) +90°, -25°,
  - Distance from image source (SID): 99.5 cm (39.2"),
  - Free space in arc C: 78 cm (30.7"),
  - Depth of arc C: 61 cm (24.0"),
- Pulsed anodization (30 pulses/sec) to improve image quality with lower radiation dose,
- Rotating anode that allows screening of patients with higher body weight,
- Unique BodySmart software promotes correct first-time imaging and dose efficiency. Provides consistently excellent image contrast by adjusting the measurement field to the area of interest,
- High ease of maneuverability,
- Foot brake,
- Selectable menus in EN, DE, NL, IT, DK, SE, ES, FR,
- Includes:
  - Foot switch,
  - Wireless remote control,
  - Wired remote control,
  - SONY-UP980CE built-in video printer,
  - Power cord,
- Overall dimensions:
  - C-arm: 230 x 88 x 193 cm,
  - Mobile workstation: 176 x 80 x 92.5 cm,
- Weight:
  - C-arm: 315 kg,
  - Mobile workstation: 195 kg,
- Cat 02,
- Has a current inspection and is ready for operation,
- Issued Technical Passport (Service Report) valid for 12 months,
- Warranty:
  - 6-months for domestic market (Poland),
  - 3-months for the international market,
  - Possibility to extend the warranty up to 12-months for domestic and international market for a surcharge,
- Financing options (Poland only): Installments, Leasing, Loan,

If you have any questions, please do not hesitate to contact us!

In case you don't find the product you are interested in, please get in touch with us and we will do our best to find the perfect solution for YOU.

