DR 100e

Compact, mobile X-ray unit

With its powerful generator power, compact size and flexible handling, the DR 100e offers clinics and hospitals a cost-effective, high quality X-ray solution that maximizes patient comfort and performance.

- Offers a powerful 32 kW generator to produce high quality images
- Compact size enables imaging in small spaces, such as ICU and bedside imaging
- Small width fits down narrow corridors and hallways
- Can be used with CR or film, for flexible workflow
- Choice of fixed or rotating column enhances handling

Not all patients who need imaging exams have the mobility to move to the X-ray room or to position themselves properly for optimum imaging. With the compact, wheeled DR 100e, every hospital, whatever its budget, can take imaging to the patient – instead of the other way around!

The DR 100e can handle a broad range of general radiography X-ray studies, using either computed radiography cassettes (CR) or film. The compact unit fits down narrow corridors and in small spaces, making it ideal for the ICU or bedside imaging. It supports your radiology department's goal to continuously enhance patient comfort and performance.

Easy handling for convenient radiology exams

The small width of the DR 100e allows convenient handling around the patient, even in very confined areas. It can be positioned precisely and safely whether the patient is sitting, standing or lying down, for greater patient comfort.

The DR 100e comes with a choice of a fixed or rotating column, offering maximum handling flexibility for every budget. The convenient handling capabilities reduce patient waiting times and increase diagnostic confidence.

AGFA

CR or film: high quality imaging

The DR 100e supports both a CR and screen film workflow. You can use it to make, process and view X-ray images of the skeleton (including skull, spinal column and extremities), chest, abdomen and other body parts on adult, pediatric or neonatal patients, optimizing your investment and productivity. And the DR 100e offers your hospital a path to direct radiography (DR), at your own pace.

Services & Support

Agfa offers Basic, Comfort and Advanced service agreement solutions. Tailored to your specific needs and situation, they make lifecycle costs predictable.

Our worldwide team of some 1,000 service professionals is at your disposal to provide support at all phases of your project. As an additional service, they can help you customize your examination tree or link RIS protocol codes, for an even higher return on investment.

Furthermore, this team carries out tasks that go well beyond maintenance, including value added services such as super user training, staff training and software upgrades.

Technical Specifications

X-ray generator

- 32 kW max. power
- High frequency generator (40 kHz)
- Monobloc thermal capacity: 600 kJ (800 kHU)
- kV range: 40 to 125 kV (1 kV steps)
- mA range: 50 - 400 according to kV selection
- mAs range: 0.1 - 110 (12.5% steps) (Optional 220)
- Time range (according to mAs selection): 0.001 - 2.2 s

Exposure controls

- Double switch X-ray hand-switch with extensible cable
- Remote control (optional)

X-ray tube

- Rotating anode: 3000 rpm
- Double focal spot: 0.8 and 1.3 mm
- Nominal focus power: 16 kW small focus; 32 kW large focus
- Anodic diameter: 64 mm
- Anodic angle: 15°
- Max. continuous anode dissipation: 300 W
- Anode thermal capacity: 80 kJ (107 kHU)

Collimator

- High brightness power LED
- 30 s light timer
- Extractable meter for SID measure
- Collimator rotation: ± 120°
- Additional filtration by manual selection (1 mm Al + 0.1 mm Cu; 1 mm Al + 0.2 mm Cu; 2 mm Al)

Options

- DAP chamber dosimeter
- DAP printer
- Remote control
- Collimator with double laser line for 1m SID definition
- Rotating column (+/- 90°)

Various

- System works with film cassettes or CR Cassettes
- 36 APR programs available in generator console
- Potter Bucky interface

Power supply

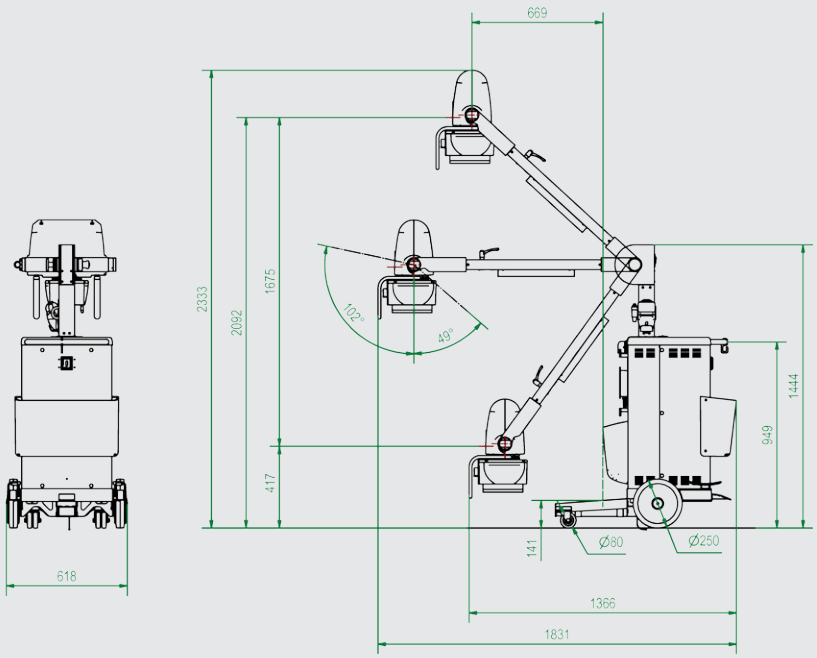
- 115 / 230 Vac ± 10%, 50/60 Hz Auto selection
- Max. line resistance: < 1 Ω
- Connection to standard mains outlet: 16 A
- Length power cable: 8 meter

The unit can be upgraded at any time to a Direct Radiography (DR) configuration.

Technical Specifications

Mechanical data (Unit with Fixed Column)

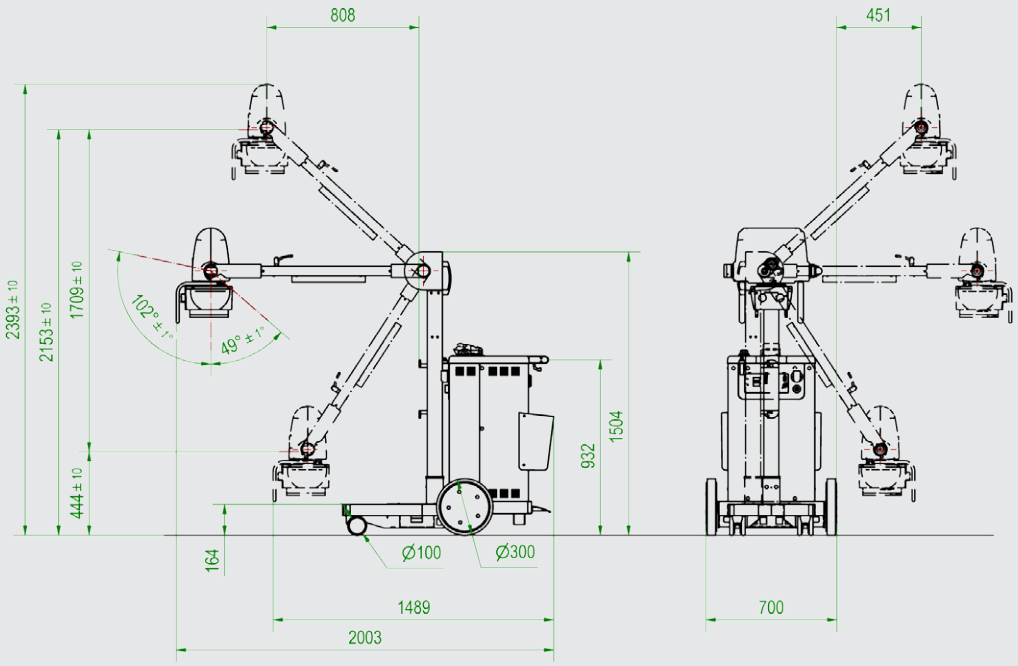
- Wheels diameter:
  80 mm front; 250 mm rear
- Max. length in transport position: 1366 mm
- Max. height in transport position: 1444 mm
- Max. width in transport position: 618 mm
- Handle height: 949 mm
- Focus-floor distance: 417 - 2092 mm
- Monobloc rotation around sagittal axis:
  ± 180°
- Monobloc rotation around transversal axis:
  -49° to +102°
- Weight: 170 kg

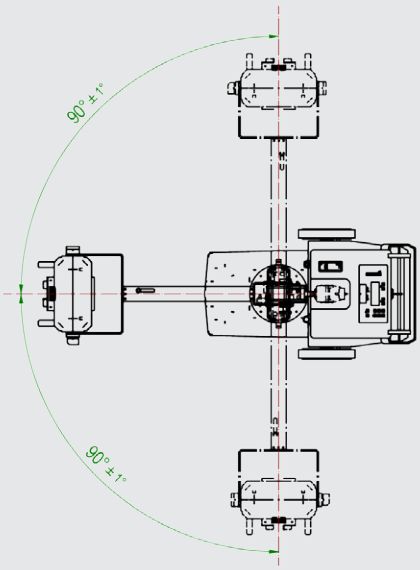


Technical Specifications

Mechanical data (Unit with Rotating Column)

- Wheels diameter: 100 mm front; 300 mm rear
- Max. length in transport position: 1489 mm
- Max. height in transport position: 1504 mm
- Max. width in transport position: 700 mm
- Handle height: 932 mm
- Focus-floor distance: 444 - 2153 mm
- Monobloc rotation around sagittal axis: ± 180°
- Monobloc rotation around transversal axis: -49° to +102°
- Weight: 240 kg





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