FUJIFILM DR VELOCITY Unity fp SPECIFICATIONS

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### Dimensions
- Universal arm stand: 200-240V, 50/60Hz (3-phase) for output 50kW
- Generator: 400V, 50/60Hz (3-phase) for output 64kW
- 480V, 50/60Hz (3-phase) for output 80kW

### Weight
- Universal arm stand: 500 kg (1102 lbs.)
- Arm controller: 65 kg (143 lbs.)
- Generator: 110 kg (243 lbs.)

### Power Supply Requirement
- Detector: 200 – 240V, 50/60Hz, 2 x 50mA, 5 kV (Single phase)
- Universal arm stand: 230/240V, 50/60Hz (Single phase) for output 50kW
- Generator: 400V, 50/60Hz (3-phase) for output 64kW
- 480V, 50/60Hz (3-phase) for output 80kW

### Environment Condition
- Temperature: 15 – 30 degrees
- Humidity: 30 – 75%RH
- Atmospheric pressure: 700 – 1060 hPa

### Optional Accessories
- Filter holder
- Grid pattern removal processing (option)
- QC phantom holder
- Long view cassette holder
- Cassette holder
- Infrared remote controller
- Ceiling support
- QC phantom holder

A flexible and high-resolution X-ray system with less radiation exposure.
The Fujifilm DR VELOCITY Unity fp enables radiographic exams in various positions including supine and upright. The X-ray tube and the detector both on the U-arm can be perfectly aligned, and the detector can be easily tilted for exams of angled parts such as the knee and skull. The unit has an exceptionally high image processing capability, and is fully motorized ensuring rapid set-up at exam. With the use of the Focused Phosphor Technology, excellent image quality can be obtained with less exposure of radiation.

A speedy and easy-to-operate X-ray system performing a wide range of exams with less radiation exposure.

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The Fujifilm DR VELOCITY Unity fp can perform versatile movements enabling a wide range of radiographic exams with just one unit.

**Motorized angulations**
- Motorized angulations of the tube detection arm (+120°/-30°)
- Motorized angulations of the detector (+45°/-45°)

**Vertical movement of the U-arm**
- Between 500mm (20") and 1530mm (60")

**Source to Image Distance (SID)**
- Adjustable between 1000mm (39") and 1800mm (71") with continuous motorized movement.

**Image is on display in approximately 9 seconds**

**Processing up to 240 IP/hour at 10-pixel/mm resolution**, the Fujifilm DR VELOCITY Unity fp ensures immediate results for the operator and less waiting for the patient. The productivity gains seen with this unit are more than just impressive throughput. Since images are processed using FUJIFILM’s refined image processing tools, they are in the optimum state for diagnosis when they are displayed. Radiologists do not waste valuable time trying to make the image look acceptable before transmitting them to PACS.

**CR Console**
- Easy operation using the following:
  - Touch buttons located in the X-ray tube cover, around the touch screen display control
  - Control panel at the detector side
  - Generator console located outside the room
  - Infrared remote controller

**A convenient verification screen clearly indicates the patient name for quick and easy confirmation, minimizing patient-data errors. A suitable grid size can be selected from this screen to match the type of exam.**

**Image is displayed in approximately 9 seconds**
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Image Detector (Model: CR-IR 372 RU)
- Image size: 43 x 43 x 43.5 cm (17” x 17” x 17”)
- Panel: 4320 x 4320
- Pixel size: 5.0 μm
- Bit Depth: 12 bit
- Frame image: Approx. 9 seconds

Universal Arm Stand (Model: VERSO F)
- Universal angle range: ±110° from 0° to 90°
- Rotation of arm: ±120°
- Tilting of detector: ±45°
- SID: 1000 – 1800 mm

Generator (Model: SHF515 / SHF535 / SHF635 / SHF835)
- Output: 50kW (SHF515, SHF535)/64kW (SHF635)/80kW (SHF835) (SHF835 available in some countries)
- Range of output: 40 – 150kV in 1kV steps
- Focal spot: 1.2 mm (Large focus)/0.6 mm (Small focus)
- Anode heat storage capacity: 300 kHU (E7252X)/600 kHU (E7869X)
- Automatic collimator

X-Ray Tube (Model: EZ283X, EZ284X)
- Range of voltage: 40 – 150kV
- Range of current: 0.2 mm (Large focus), 0.6 mm (Small focus)

Collimator (Model: 150PBL Collimator)
- Automatic collimator

Image & Information Processor (Model: CR-IR 348CL): Option
- Option frequency processing
- Geometric processing
- Dynamic range compression processing
- Multi-frequency processing (option)
- Flexible template processing (option)
- Grid/pattern removal processing (option)

Dimensions* (W x D x H)
- Universal arm stand: 1290 x 455 x 800 mm (51” x 18” x 31”)
- Generator: 581 x 432 x 469 mm (23” x 17” x 18”)

Weight**
- Universal arm stand: 110 kg (242 lb.)
- Generator: 65 kg (143 lb.)

Power Supply Requirement
- Detector: 220V/240V, 50/60Hz (Single-phase)
- Generator: 230/240V, 50/60Hz (3-phase for output 50kW)
- 240V, 50/60Hz (3-phase for output 64kW)
- 480V, 50/60Hz (3-phase for output 80kW)

Environment Condition
- Temperature: 0 – 30 °C
- Humidity: 30 – 75% RH
- Atmospheric pressure: 700 – 1060 hPa

Optional Accessories
- Mobile table: Carbon fiber table (Patient capacity: 200 kg)
- Grid: 10:1 or 8:1, 36 lines/cm, FID 100/140/180 cm
- Ion chamber (Model: ICX-127) 3 field
- IR Remote controller
- Ceiling support
- Cassette holder
- Long view cassette holder
- QC phantom holder

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