

## Features

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- SWIVEL  
ARM**

# Specifications

## Dimensions

- Height: 70 inches (177.8 cm) for Models 2169360-6, 2236420-6, and 2275938-6, -12, -13, -14, -15; all others 76 inches (193 cm).
- Width: 25-3/16 inches (64.0 cm)
- Length: 45-3/8 inches (115.3 cm)
- Weight: 1080 pounds (490 kg)

## Environmental Limits

- Operating temperature range: 59 to 100 Degrees Fahrenheit (15 to 38 Degrees Celsius) at 80% non-condensing humidity.
- Storage temperature range -40 to +140 Degrees Fahrenheit (-40 to +60 Degrees Celsius)
- Maximum operating altitude: 8,000 feet (2440 meters).

## Battery

- Nine 12.9 volt batteries connected in series provide approximately 116 volts at full charge.

## Movements

- Tube vertical movement measured at the focal spot (arm extended)
  - Range at least 46.5 inches
  - Lowest position 26.1 inches
  - Highest position 72.6 inches
- The horizontal movement measured at the focal spot relative to column face is 24 inches (61.0 cm) minimum, to 40 inches (101.6 cm) maximum.
- Tube Column rotation measured from horizontal arm latch is +/- 270 degrees.
- Tube and yoke rotation around Horizontal Arm measured from tube port down position:
  - Range 360 degrees;
  - Detent locations, +/- 90, and +/- 180 degrees.
- Tube Trunnion rotation measured from tube port down position:
  - Range 120 degrees;
  - Forward 110 degrees;
  - Backward 10 degrees;
  - Detent 0 degrees, and 90 degrees.
- Collimator Rotation measured from the front of the collimator with the tube port facing down:
  - Range 180 degrees;
  - Right 90 degrees;
  - Left 90 degrees;

- Detent 0 and 90 degrees.

## Drive Speed

- Drive Speed is 264 feet (670.5 cm) per minute +/- 25%;
- 2. Maneuvering Speed is 30% to 60% of drive speed.

## kVp Accuracy

- Rise time of the kVp wave form from 10% to 90% of the maximum kVp is 1.2 millisecond or less.
- Fall time of the kVp wave form from 90% of the maximum kV to 20 kV is 2.5 milliseconds or less.
- Accuracy of the kVp wave form to selected kVp is +/- 8% of the value displayed on the operator panel for the first 20 ms and +/- 5% after 20 ms. Accuracy applies within the range of the bar graph battery charge indicator.

## Collimator Function

- Type: Manual
- Minimum source to skin distance is limited to more than 30 centimeters by the skin spacers at the beam exit of the collimator.
- Full 17 by 17 inch (43 by 43 centimeters) radiographic coverage at 40 inch (1.02 meter) Source to Image Distance.
- Minimum inherent filtration of 2.0 mm aluminum equivalent at 100 kVp.

## Collimator Light Field Intensity

- The average illumination at a distance of 100 cm (39.37 inch) from the focal spot shall be 16 foot candles (170 lux) or more.

## Generator Performance/Tubes

- 0.75 mm focal spot (NEMA); 3 inch rotating anode: GE X-Ray tube model HRT09.
- 275,000 HU anode heat storage capacity.
- 15° target angle.
- Low speed (3,000 rpm) operation only (See Product Data Sheet D1046)
- Generator is closed loop kVp design using microprocessor regulation to assure constant and accurate kVp at all battery conditions.

