

REFURBISHED PORTABLE X-RAY SPECIFICATIONS

Amber Diagnostics has been refurbishing Portable X-Ray Systems Since 1994.

All systems can be custom refurbished to meet all of your specific financial budgets and technical requirements.

Amber Diagnostics refurbishes and re-assembles all GE AMX portables under a thorough electronic, mechanical and cosmetic refurbishing program. Upgrades may include critical structural reinforcements and replacement of major cabling and control components.

Amber Diagnostics then calibrates and tests each system to exacting OEM standards and are backed by a comprehensive warranty on workmanship and parts. Ask about our extensive inventory of new replacement battery systems and new, used and refurbished AMX parts.

AMBER
DIAGNOSTICS
Saving a Life Everyday



2180 Premier Row,
Orlando, FL 32809 USA

1-888-561-7900

407-438-7847

Fax: 407-856-5456

www.AmberUSA.com

GE AMX Portables AMX-III



AMX III

Our proprietary refurbishing and re-assembling processes includes complete system reconditioning, stage testing that assures the systems will pass original equipment manufacturers performance specifications and FDA laws. All systems sold are available with comprehensive warranty programs. Amber Diagnostics provides expert crating, shipping, installation, user and AIAT documentation, and system training to ensure that your equipment arrives in excellent working condition.

X-RAY SYSTEM FEATURES

Model	GE AMX-III
Ma	100
kVp	50-125
mAs	0.54-320
kVp Stations	24
mAs Stations	26
X-Ray Tube	MX-75 300k HU
Focal Spot	0.75 mm
Generator Frequency	Medium
Exposure Contact	Solid State

Power requirements: obtained from rechargeable 120V battery
Power to recharge battery: 110 to 125 VAC, 50/60 Hz, 6.0 amps
Battery capacity: approximately 10,000 mAs at 100 kVp, when fully charged

Motor drive ratings: the drive assist unit can be driven at speeds up to 180 feet per minute or 54.9 meters per minute.
X-Ray generator ratings and duty cycle: all radiographic exposures with this unit are at 100 milliamperes

kVp (maximum)	mAs (maximum)
110 to 125	200
95 to 105	250
50 to 90	320

All rates and duty cycles are subject to limitations of the X-ray tube rating and apply at altitudes up to 8000 Feet (2.438 kilometers), average relative humidity not exceeding 80%, and ambient temperature between 60 degrees F (15.6 degrees C) and 100 degrees F (37.8 degrees C).

Typical accuracies: +/-6% of kVp and +/- 10% of mAs.

Selection and Range	Accuracy
0.64 mAs to 1.25 mAs	+/-30%
1.6 mAs to 10 mAs	+/-20%
12.5 mAs to 320 mAs	+/-12%
50 kVp to 74 kVp	+/- (9% + 1 kV)
76 kVp to 125 kVp	+/- (12% + 2 kV)

kVp accuracies subject to additional +/- (5% + 2kV) and mAs to +/- 3% accuracy of instrumentation used for calibration and measurement.

Conditions to meet above accuracies: handswitch must have been released for 25 seconds after previous exposure; a 15 minutes minimum interval after charge completion with keyswitch in ON or CHARGE; main power circuit breaker ON must be allowed before making an exposure.

Collimator Specifications:

Minimum inherent filtration is 1.5 mm aluminum equivalent at 150 kVp. Additional filtration may be obtained by inserting 1 mm and/or 2 mm aluminum filters. Minimum source-to-skin distance is limited to more than 30 cm by the tracks on the bottom of the collimator for mounting the accessory Extension Cylinder. Full 17" x 17" (.43 m x .43 m) radiographic coverage at 40" (1.02 m) source to image distance is provided for tubes with a 15-degree target angle. The collimator can be rotated and locked positively at 0°, +/-15°, +/-30°, +/-45°, and +/-90° from the front position.

*Warranties are provided by Amber Diagnostics. Amber Diagnostics is not affiliated with GE Medical Systems, Inc.

REFURBISHED PORTABLE X-RAY SPECIFICATIONS

When considering the purchase or reallocation of an existing medical asset which is restored back to its original quality level and original manufacturers specifications can prove extremely cost effective.

For many organizations, purchasing refurbished equipment is a cost-effective alternative compared to purchasing new equipment. **Savings are typically 40 to 60 percent off less than new equipment.**

With this level of savings, healthcare organizations can stretch their equipment dollars, providing for multiple requirements.

Every refurbished system comes with a comprehensive warranty.

REFURBISHING PROCESS



AESTHETICS



MECHANICAL
INTEGRITY



O.E.M. SYSTEM
REQUIREMENTS

AMBER DIAGNOSTICS

Saving a Life Everyday

2180 Premier Row,
Orlando, FL 32809 USA

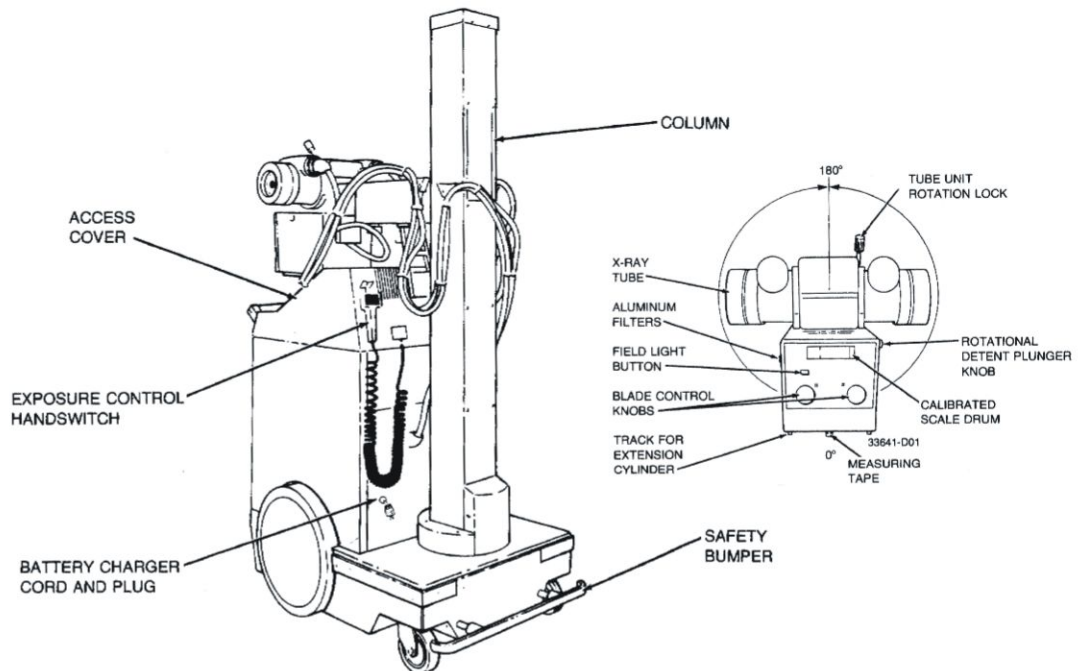
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GE AMX Portables AMX-III



X-RAY SYSTEM FEATURES

Totally Mobile

- Operates bedside at full power with auxiliaries without a power connection.
- Variable speed, forward and reverse.

Versatile Power

- Constant-potential output makes 100 mA rating equivalent to 200 mA single phase conventional generators.
- Rechargeable battery pack has a capacity of 10,000 mAs measured @ 100 kVp; proportionally more mAs at lower kilo voltages.
- Silicon high-voltage rectifiers and solid state timer for consistent results.
- Solid state high frequency inverter.
- Overload protection for high-voltage components and battery pack.

Structurally Reinforced Column

- Column reinforcement upgrade kit installed on all pre-AMX-4 models.
 - New constant friction rotational lock.
 - Manual horizontal arm lock is replaced as necessary.
- Electric solenoid on AMX-4 column.
- All bearings are cleaned, inspected, repacked or replaced as necessary.

Structurally Reinforced Chassis

- Heavy-duty chassis upgrade includes several structural reinforcements.
- Front casters replaced (new style)
- New ABS plastic protective bumpers.

Cabling

- All high/ low voltage cables fully inspected.
- Remanufactured cord reel.

Remanufactured Drive System

- Differential axle, motor, drive chains, brakes, and gears are fully tested and repaired or replaced as necessary.

Tube/ Collimator Assembly

- Tube assembly is fully inspected.
- Tube yoke bushing, shaft fully inspected.
- Complete collimator inspection/ testing.
- Collimator windows and knobs fully inspected.

Reinforced Cassette Drawer

- Strengthened bottom plate assembly.
- Reinforced side panels and felt liner installed on AMX-110, II, and III's.
- Storage for ten 14" x 17" cassettes.

Hand switch Control

- Remote field light on hand switch.
- Retractable cord on AMX-110, II, III's fully inspected.

Maintenance-Free Battery Pack

- Sealed, Lead-Calcium upgrade.
- Eliminates need for periodic equalizing and potential overcharging.