

SIEMENS



Data Sheet

Mammomat Inspiration Mammomat Inspiration Prime

Digital Mammography Platform for Screening, Diagnostics,
Biopsy and Tomosynthesis

www.siemens.com/inspiration

Mammomat Inspiration

Digital Mammography Platform for Screening, Diagnostics, Biopsy and Tomosynthesis

Much more than a mammography system, Mammomat Inspiration is a highly flexible mammography platform for screening, diagnostics, stereotactic biopsy* and tomosynthesis*. True Breast Tomosynthesis has the widest angle of 50° providing superior depth resolution.

Screening & Diagnostics

Mammomat Inspiration is ideal for screening and diagnostic workflow. It provides a high degree of comfort and care for the patient and a unique low dose concept.

Intelligent details like one-click-to-image and single-touch positioning make handling and accurate diagnosis considerably easier for the clinical user. It meets the strategic needs of today's clinical facilities thanks to the high patient throughput as well as its upgradability, which translates into excellent security of investment.

PRIME Technology*

Mammomat Inspiration "Prime**" with the unique PRIME Technology allows up to 30 % less dose** and uncompromised image quality. PRIME Technology, Progressive Reconstruction Intelligently Minimizing Exposure, is the world's first software-based anti-scatter solution for mammography. Sliding back the mechanical grid means there is no longer a fixed object absorbing radiation between the breast and detector. So you benefit from 100 % primary radiation and use less dose.

Stereotactic Biopsy*

Mammomat Inspiration was designed with a constant focus on keeping workflow as easy and simple as possible. The intelligent, ergonomic concept and the intuitive operability of the stereotactic biopsy unit make biopsy a fast, straight-forward and user-friendly procedure. Biopsy images have the same image quality as regular mammography images, which boosts efficiency even further.

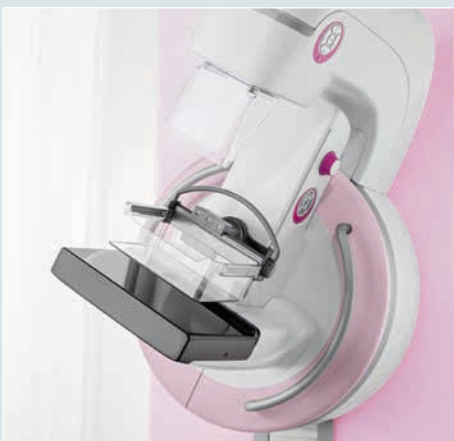
True Breast Tomosynthesis*

Mammomat Inspiration paves the way for True Breast Tomosynthesis. With its wide acquisition angle of 50° and an angle increment of only 2°, it enables True Breast Tomosynthesis imaging to improve diagnostic. Higher diagnostic accuracy with a straight-forward, easy and comfortable workflow. Cutting-edge diagnostic possibilities that benefit both the physician and the patients.

* Option

** Compared to grid based acquisition

The system is available in the following colors:



pink



lime



silver



Mammomat Inspiration

System specification	Page	4 – 6
Clinical workflow	Page	7 – 8
Biopsy unit	Page	9
Tomosynthesis	Page	10
Accessories	Page	11 – 17
Room planning	Page	18 – 19

Basic unit

Digital mammography system for screening, diagnostic and biopsy procedures on standing, seated or recumbent patients

The system consists of a free-standing examination stand with integrated, microprocessor-controlled, high-frequency generator as well as an optional radiation shield with height-adjustable control desk in which the Acquisition Workstation (AWS) can be integrated

Swivel arm system consisting of X-ray tube unit, compression device and object table with integrated detector

Motorized, isocentric rotation of the swivel arm with preset rotation angle (Single Touch), other angles preselectable

The motorized, height-adjustable object table can be adjusted from the examination stand as well as via the foot switch

Motorized and manual compression with preselectable compression force

Digital display of compression force and compression thickness

Automatic collimation to the required radiation field size according to the compression plate selected

Integrated positioning/collimator light

OpComp – function for optimizing compression force

OpDose – pre-programmable exposure parameters for optimized patient dose

AEC (Automatic Exposure Control) – uses the entire breast surface on the detector, thereby ensuring an optimum dose

The generator console is integrated in the AWS; radiation is released from a separate control box

Source-image distance	65 cm (25.6"), for high geometric resolution and optimum patient access during positioning
Compression	3 kg (6.5 lbs) to 20 kg (44 lbs), automatic (OpComp) and manual adjustment
Collimation	Automatic for all sizes
Grid	Reciprocating, grid ratio 5:1, 31 lines/cm
Magnification factors	1.5 / 1.8, geometric
Swivel range	+ 180° to – 180°, motorized, isocentric rotation with preselectable rotation angle
Height adjustment (motorized)	69 cm (27.2") to 150 cm (59.1") (object table)

Mammomat Inspiration

X-ray generator

Microprocessor-controlled high-frequency generator

Power output	5 kW (30 kV, 1 s acc. IEC 60601-1/-2-45)
kV range	23 kV to 35 kV (adjustable in 1 kV increments)
<u>mAs range</u> (at 25 kV and maximum power)	
Mo anode	2 mAs to 500 mAs in mAs mode 5 mAs to 500 mAs in AEC mode
W anode	2 mAs to 630 mAs in mAs mode 5 mAs to 630 mAs in AEC mode
Exposure times, automatic	10 ms to 4 s (large focus), 60 ms to 6 s (small focus)

X-ray tube unit

Mammography X-ray tube unit with quadruple-focus rotating-anode tube (molybdenum/tungsten)

Focal spot nominal value	Molybdenum focal spot: 0.1 / 0.3 (star pattern test) 0.15 / 0.3 (IEC 60336) Tungsten focal spot: 0.1 / 0.3 (star pattern test) 0.15 / 0.3 (IEC 60336)
Nominal voltage	40 kV
Heat storage capacity (tube unit)	1,800,000 J; 2,430,000 HU
Heat storage capacity (anode)	120,000 J; 162,000 HU
Optical anode angle	20°
Inherent filtration	1 mm Be
Anode speed	8,800 rpm/147 Hz

Flat detector

Solid-state detector of amorphous selenium (aSe)

Detector size	24 cm x 30 cm (9.5" x 12")
Material	Amorphous selenium (aSe)
Pixel size	85 µm
Image matrix	2816 x 3584 (24 cm x 30 cm / 9.5" x 12") 2016 x 2816 (18 cm x 24 cm / 7" x 9.5")
Uncertainty index	$U \leq 1.5 \times 10^{-3}$

Exposure formats

Survey exposure	24 cm x 30 cm (9.5" x 12") 18 cm x 24 cm (7" x 9.5")
Detail exposure	9 cm x 9 cm (3.5" x 3.5") 6 cm x 6 cm (2.4" x 2.4")
Axilla exposure	8 cm x 20 cm (3" x 8")

Mammomat Inspiration

PC hardware

Image acquisition system (Basic)	Intel Xeon CPU E5-1620 PC, 3.60GHz, 8 GB RAM, interface cards for the X-ray system, Windows XP operating system, <i>syngo</i> -based applications
Image memory	50,000 images on hard disk in 2816 x 3584/14-bit matrix, 1000 GB with 20 MB per image
Image acquisition system (Option Tomosynthesis)	Intel Xeon CPU E5-1620 PC, 3.60GHz, 12 GB RAM 100,000 images on hard disk or 1000 tomoscans with 2 GB per tomoscan, 2 x 1000 GB hard disk

Displays

19" TFT color display

Screen size	19" (48 cm)
Image matrix	1280 x 1024
Maximum brightness, typical	300 cd/m ²
Horizontal/vertical viewing angle	170° / 170°
Contrast ratio, typical	1000 : 1

Alternatively:

3 MP 21" TFT color display (optional)

Screen size	21" (54 cm)
Image matrix	1536 x 2048
Maximum brightness, typical	900 cd/m ²
Horizontal/vertical viewing angle	170° / 170°
Contrast ratio, typical	1000 : 1

Mammomat Inspiration

Patient data administration	
Patient directory	Input of patient data (e.g. patient name, patient ID, date of birth), patient search Input via keyboard or directly via DICOM Modality Worklist ¹⁾
Image acquisition/display/processing	
Digital radiography	Digital technique with 2816 x 3584/13-bit matrix, digital filtration
Image processing – OpView	Application-oriented LUTs (lookup tables) for contrast/brightness Edge enhancement Dynamic range control Noise reduction Detection of breast border Electronic shuttering
Text/graphic functions	Image orientation label Image annotation and comment Length and angle measurement Interactive zoom and pan Gray-scale inversion Split screen (2/4/16 on 1)
Integrated system operation	Preselection of patient orientation for automatic image orientation User programs with customized predefined parameter sets

¹⁾ Requires an information system that can provide a DICOM Modality Worklist

* Option

Mammomat Inspiration

Data transfer and documentation

DICOM network interfaces

DICOM interface for image data communication based on the DICOM 3 standard

DICOM Basic	<u>DICOM Storage (Send/Receive)</u> Sending and receiving of images
	<u>DICOM Query/Retrieve</u> Retrieval of studies from a digital archive, a workstation or other imaging systems
	<u>DICOM Storage Commitment</u> Archiving confirmation from the image archive
DICOM Basic Print	<u>DICOM Print</u> For connection to a DICOM-compatible camera or DICOM-compatible printer
DICOM HIS/RIS	<u>DICOM Worklist Management</u> For importing patient/examination data from an independent HIS/RIS system, including HIS/RIS queries via special search criteria
	<u>MPPS (Modality Performed Procedure Step)</u> For exporting examination data, including dose parameters, to an independent HIS/RIS system

Documentation

DVD / CD burner	Writing of images in DICOM format to DVD/CD (multisession)
DICOM Basic Print	See DICOM 3 functions
Connection for paper printer (local or network printer)	Suitable for image documentation on paper Requirement: PostScript Level 2 Formats: DIN A 4, US Letter or US tabloid For connection within network: network-compatible printer required Note: Paper printer is not suitable for diagnostic purposes Only in connection with further documentation device

IHE Integration Statement

Mammography Image	The images contain all the relevant information for optimal display on workstations supporting this profile
Scheduled Workflow	Consistent data flow, from planning at the RIS through examination to storage in the PACS
Portable Data for Imaging	Reliable exchange of image data via CD
Access to Radiology Information	Connection to the DICOM archive, typically used for fetching prior studies from the PACS
Consistent Presentation of Images	Print Composer is implemented
Mammography Acquisition Workflow	Handles mammography-specific exceptions like correction of view and laterality, and rejection of images

Mammomat Inspiration

Biopsy unit*

The biopsy unit is used for automatic stereotactic biopsy with MAMMOMAT Inspiration

The biopsy unit comprises a handbox for controlling the needle positioning device, a standard needle holder, a face shield to protect the patient from swivel arm movements, and calibration accessories

Needle guides for fine needles and needles for core and vacuum biopsy from the main manufacturers are available additionally

The biopsy unit is simply slid onto the object table

It is automatically detected by MAMMOMAT Inspiration and can immediately be used for biopsies from any projection (e.g. CC, MLO)

The workflow is automated due to the remote tube movements of the stereo pair acquisition controlled from the AWS, and automatic needle positioning

Stereotactic biopsy can be performed on seated and recumbent patients

Due to image processing with OpView, the image impression for biopsy images and screening/diagnostic images is identical

Biopsy volume (vertical needle guidance)	50 mm x 40 mm x 110 mm (2" x 1.6" x 4.3")
Biopsy volume (lateral needle guidance)	50 mm x 40 mm x 60 mm (2" x 1.6" x 2.4")
Tube swivel range in stereo mode	- 15° and + 15°
Biopsy compression plate with window	96 mm x 100 mm (3.8" x 3.9") (window size 52 mm x 42 mm [2" x 1.7"], vertical needle guidance)
Biopsy compression plate without window	96 mm x 100 mm (3.8" x 3.9") (lateral needle guidance)
Weight of biopsy unit	< 5 kg
Biopsy unit measures	46 cm x 26 cm x 40 cm (18.1" x 10.2" x 15.7")



* Option

Mammomat Inspiration

Tomosynthesis*

Unlike conventional mammography, where the entire breast is projected onto a single plane, tomosynthesis enables 3D volumes to be displayed in individual slices

With tomosynthesis, 25 exposures are acquired during a scan from various angles within a range of $\pm 25^\circ$

Only a fraction of the dose of conventional mammography is required for each exposure

Optimized reconstruction algorithms are used to calculate the individual slices for display on the Acquisition Workstation

The large angle range of $\pm 25^\circ$, combined with short exposure time and low dose, enables optimum depth resolution

Optimized workflow through

- fast quality control: individual projections and reconstructed slices are displayed during the examination
- unrestricted computer capacities: the next exposure can be released immediately
- conventional and tomosynthesis exposures are possible during the same examination
- immediate quality control: the first pulse is used for the calculation of the AEC (Automatic Exposure Control) and instantly displayed as an image
- automatic removal of the grid for tomosynthesis exposures

Scan angle	$\pm 25^\circ$
Scan time	< 25 seconds
Number of projections	25
Acquisition speed	1.25 projections per second
Reconstruction time	approx. 60 seconds
Distance between reconstructed slices	1 mm
Reconstruction algorithms	Analytical
Data volume	20 MB per projection max. 10 MB per slice, depending on breast size
Display on AWS:	Projections Reconstructed slices Cine mode Dose / projection Dose / scan



MAMMOMAT Inspiration

Overview of options

Compression plates	Compression plate with low edge, 18 cm x 24 cm (7" x 9.5")
	Compression plate with high edge, 18 cm x 24 cm (7" x 9.5")
	Compression plate with low edge, 24 cm x 30 cm (9.5" x 12")
	Compression plate with high edge, 24 cm x 30 cm (9.5" x 12")
	Flexible compression plate with high edge, 18 cm x 24 cm (7" x 9.5")
	Flexible compression plate with high edge, 24 cm x 30 cm (9.5" x 12")
	Shifting paddle with high edge, 18 cm x 24 cm (7" x 9.5")
	Shifting paddle with low edge, 18 cm x 24 cm (7" x 9.5")
	Spot Plus compression plate
	Spot Focus compression plate, 6 cm x 6 cm (2.4" x 2.4")
	Detail / spot compression plate, 9 cm x 9 cm (3.5" x 3.5")
	Axilla compression plate, 8 cm x 20 cm (3" x 8")
	2D biopsy compression plate
Magnification attachment	Magnification table 1.5
	Magnification table 1.8
	Magnification compression plate, 16 cm x 20 cm (6.5" x 8")
	Mag Spot compression plate, 9 cm x 9 cm (3.5" x 3.5")
	Mag Focus compression plate, 6 cm x 6 cm (2.4" x 2.4")
Control desk	Operator console with radiation shield, 0.5 mm lead equivalent
Illuminated front glass pane	MoodLight
Radiation release	Foot switch
	Hand switch
Bus installation	Installation kit
	Radiation shield
Wall holder	Compression plates
Display	19" TFT color display
	3 MP 21" TFT color display
Biopsy	Biopsy unit
	Stereo biopsy compression plate
	Horizontal needle holder (Mammotome)
	Vertical needle holder (Mammotome)
	Biopsy attachment with crosshair assembly
Tomosynthesis	3D tomosynthesis
	Tomo compression plate with high edge, 25 cm x 36 cm (9.8" x 14.2")

MAMMOMAT Inspiration



Compression plate with low edge 18 cm x 24 cm (7" x 9.5") # 144 04 859

Standard compression plate with 4 cm (1.6") high front edge for 18 cm x 24 cm (7" x 9.5") radiation field.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 04 870) can be ordered.



Compression plate with high edge 18 cm x 24 cm (7" x 9.5") # 144 04 858

Standard compression plate with 7 cm (2.8") high front edge and three 9 cm (3.5") high edges for 18 cm x 24 cm (7" x 9.5") radiation field.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 04 868) can be ordered.



Compression plate with low edge 24 cm x 30 cm (9.5" x 12") # 144 04 867

Standard compression plate with 4 cm (1.6") high front edge for 24 cm x 30 cm (9.5" x 12") radiation field.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 04 871) can be ordered.



Compression plate with high edge 24 cm x 30 cm (9.5" x 12") # 144 04 866

Standard compression plate with 7 cm (2.8") high front edge and three 9 cm (3.5") high edges for 24 cm x 30 cm (9.5" x 12") radiation field.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 04 869) can be ordered.



Detail/spot compression plate

144 04 862

Special plate for 9 cm x 9 cm (3.5" x 3.5") radiation field. This plate applies compression to a smaller area of tissue using a small compression plate.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 04 874) can be ordered.

MAMMOMAT Inspiration

Shifting paddle with high edge 18 cm x 24 cm # 144 18 355

Shifting paddle 18 cm x 24 cm (7" x 9.5") with high edge for standard exposures.

The paddle can be used in a central position but also in a left or right position. The sliding of the paddle improves the positioning of small breasts in oblique and lateral projection views. The paddle is moved manually by actuating the bracket on the paddle. Collimation is adjusted accordingly.

Shifting paddle with low edge 18 cm x 24 cm # 144 18 356

Shifting paddle 18 cm x 24 cm (7" x 9.5") with low edge for standard exposures.

The paddle can be used in a central position but also in a left or right position. The sliding of the paddle improves the positioning of small breasts in oblique and lateral projection views. The paddle is moved manually by actuating the bracket on the paddle. Collimation is adjusted accordingly.

Spot Plus compression plate # 144 18 338

Special plate for detail exposures (approx. 8 cm diameter) incl. visualization of the surrounding tissue.

For 18 cm x 24 cm (7" x 9.5") radiation field

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 18 351) can be ordered.

Spot Focus compression plate, 6 cm x 6 cm (2.4" x 2.4") # 144 28 912

Special Spot Focus plate for spot views in contact mode. The plate has a smaller compression area of 6 cm x 6 cm (2.4" x 2.4").

The total radiation field corresponds to that of the 9 cm x 9 cm (3.5" x 3.5") standard spot plate.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 28 914) can be ordered.

Axilla compression plate # 144 04 863

Special plate for compression of axillary areas. Can also be used for male breasts, small breasts, breasts after surgery and implants (push-back views). For 8 cm x 20 cm (3" x 8") radiation field.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 04 875) can be ordered.



MAMMOMAT Inspiration



2D biopsy compression plate

144 09 803

Compression plate 16 cm x 20 cm (6.5" x 8") (multi-hole plate) for performing biopsy or marking without biopsy unit. The coordinates (numbers and letters) provide orientation as to which hole is to be used for the biopsy or marking.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 09 804) can be ordered.

Biopsy attachment with crosshair assembly

144 18 367

Compression plate with aperture and coordinates including crosshair assembly for hand-guided biopsies.

For 11 cm x 19 cm (4.3" x 7.5") radiation field.

Flexible compression plate with high edge 18 cm x 24 cm (7" x 9.5")

144 04 860

This flexible compression plate flexes in two directions:

- chest wall to nipple side
- axillary-inframammary fold side

The self-adjusting tilt provides a more uniform compression over the entire breast surface.

Extra plastic paddle (144 04 872) can be ordered.

Flexible compression plate with high edge 24 cm x 30 cm (9.5" x 12")

144 04 861

This flexible compression plate flexes in two directions:

- chest wall to nipple side
- axillary-inframammary fold side

The self-adjusting tilt provides a more uniform compression over the entire breast surface.

Extra plastic paddle (144 04 873) can be ordered.

MAMMOMAT Inspiration

Magnification attachment 1.5 # 144 18 353

Magnification table for survey and detail exposures.

- Magnification table with geometric magnification factor 1.5

Magnification attachment 1.8 # 144 18 339

Magnification table for survey and detail exposures.

- Magnification table with geometric magnification factor 1.8

Set of compression plates # 144 18 354

Set of compression plates for magnification attachment 1.5 and 1.8.

- Mag Spot compression plate 16 cm x 20 cm (6.3" x 7.9")
- Mag Spot compression plate 9 cm x 9 cm (3.5" x 3.5")

Mag Focus compression plate, 6 cm x 6 cm (2.4" x 2.4") #144 28 913

Special Mag Focus plate for spot views in magnification mode. The plate has a smaller compression area of 6 cm x 6 cm (2.4" x 2.4").

The total radiation field corresponds to that of the 9 cm x 9 cm (3.5" x 3.5") standard spot plate for magnification.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 28 914) can be ordered.

Control desk with radiation shield # 144 04 854

Operator console 86 cm x 50 cm (33.9" x (19.7")), white color. Hydraulic, continuous height adjustment. Integrated, 0.5 mm Pb radiation shield, 86 cm x 195 cm (33.9" x (76.8")). One holder for the PC monitor is included, and one additional holder can be ordered. A lockable cabinet accommodates the AWS PC. Keyboard drawer under the tabletop.



MAMMOMAT Inspiration



Foot switch

144 04 893

The foot switch enables radiation release and thus can help improve user ergonomics at high patient volumes.



Hand switch

144 09 787

The hand switch enables radiation release.



Wall holders for compression plates

144 09 798

Wall holders for 4 compression plates each. Vertical and horizontal attachment possible.



MoodLight

144 04 857

Illuminated glass panel to be attached behind the swivel arm. The light color can be freely selected by the user. Dynamic color changes can be set at the AWS with a few mouse clicks.

Bus installation kit (not shown)

144 09 799

Installation kit for mobile use.

Radiation shield for mobile use (not shown)

144 09 800

Radiation shield consisting of a frame and an 0.3 mm lead equivalent lead glass panel.

Radiation shield for installation of the MAMMOMAT Inspiration in a bus or if the control desk is not used.

MAMMOMAT Inspiration

Biopsy unit

144 09 802

The biopsy unit is used for automatic stereotactic biopsy with MAMMOMAT Inspiration. The biopsy unit comprises a control panel for automatic motorized movement of the needle holder to the preset position as well as a face shield to protect the patient from movements of the swivel arm.



Biopsy compression plate

144 09 805

Compression plate 96 mm x 100 mm (3.8" x 3.9") with 52 mm x 42 mm (2" x 1.7") window for stereotactic biopsy. The compression plate can be used with vertical needle guidance.

The plastic paddle can be removed from the holder for cleaning. An extra paddle with window (144 09 806) or a paddle without window (144 09 807, for horizontal needle guidance) can be ordered.



Tomo compression plate with high edge 25 cm x 36 cm (9.8" x 14.2")

144 09 950

Tomo compression plate with 7 cm (2.8") high front edge for 25 cm x 36 cm (9.8" x 14.2") radiation field.

The plastic paddle can easily be removed from the holder for cleaning. Extra plastic paddle (144 09 951) can be ordered.



Mammomat Inspiration

Operating data

Power requirements	208 V, 230 V, 240 V, 277 V, $\pm 10\%$, single-phase; 208 V, 230 V, 240 V, 277 V, 400 V $\pm 10\%$, two-phase, 50/60 Hz ± 1 Hz
Power requirements (for US and Canada)	208 V, 230 V, 240 V, 277 V, $\pm 10\%$, single-phase; 208 V, 230 V, 240 V, 277 V, $\pm 10\%$, two-phase, 50/60 Hz ± 1 Hz

Weight

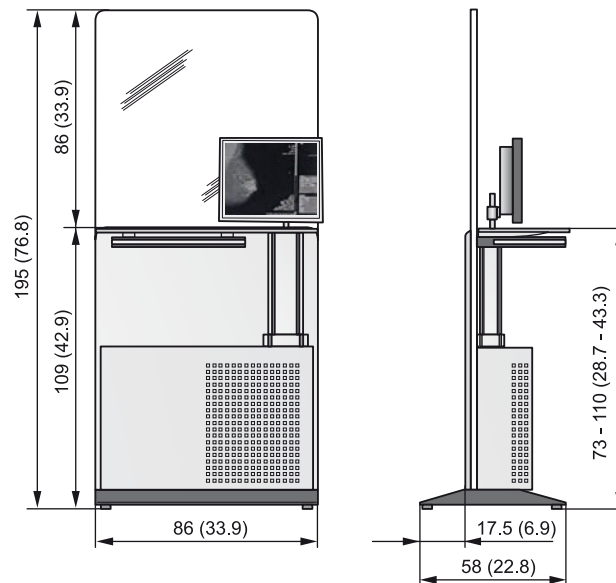
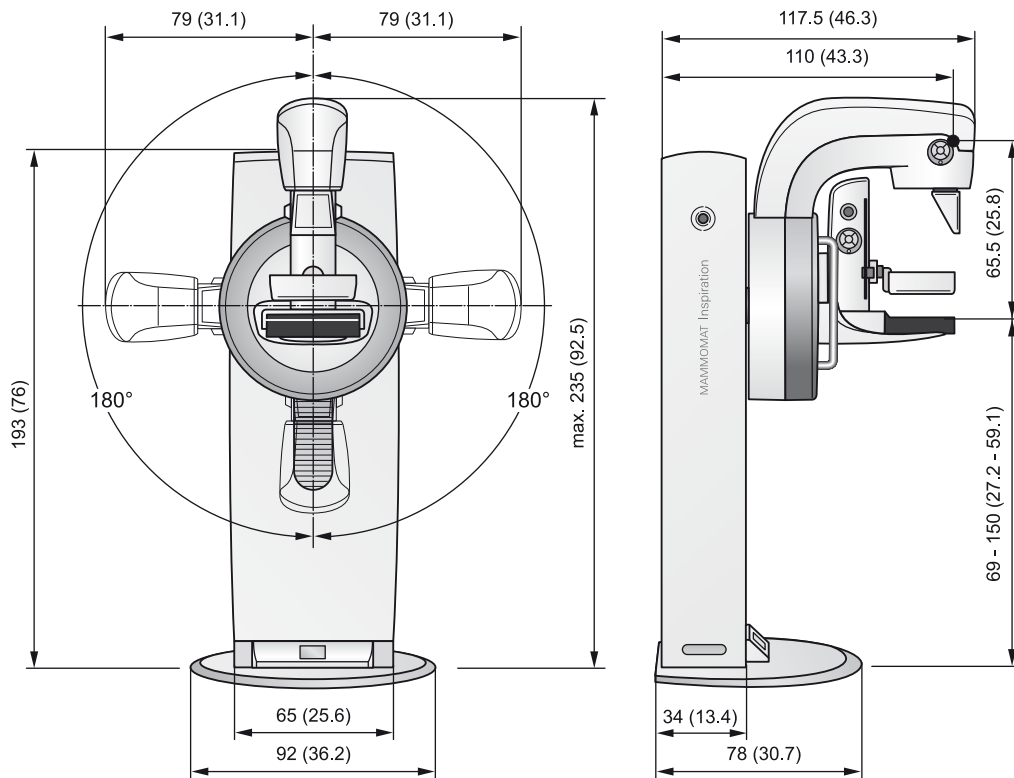
Examination stand and generator	350 kg (770 lbs)
Control desk with radiation shield	124 kg (275 lbs)

Environmental conditions (operation)

Temperature range	+ 12 °C to + 35 °C, maximum fluctuation of temperature < 10 °C / 60 min.
Relative humidity	30 % to 75 %, non-condensing
Atmospheric pressure	700 hPa to 1060 hPa

Mammomat Inspiration

Dimensions in cm (inches)



On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products/ services/features included in this brochure are available through the Siemens sales organization worldwide. Availability and packaging may vary by country and are subject to change without prior notice.

The information in this document contains general descriptions of the technical options available and may not always apply in individual cases.

Siemens reserves the right to modify the design and specifications contained herein without prior notice. Please contact your local Siemens sales representative for the most current information.

In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources and waste conservation), we may recycle certain components where legally permissible. For recycled components we use the same extensive quality assurance measures as for factory-new components.

Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

MAMMOMAT Inspiration 44 40 173

Global Business Unit

Siemens AG
Medical Solutions
X-Ray Products
Henkestraße 127
DE-91052 Erlangen
Germany
Phone +49 9131 84-0

Global Siemens Headquarters

Siemens AG
Wittelsbacherplatz 2
80333 Muenchen
Germany

Global Siemens Healthcare Headquarters

Siemens AG
Healthcare
Henkestraße 127
91052 Erlangen
Germany
Phone +49 9131 84-0
www.siemens.com/healthcare

Legal Manufacturer

Siemens AG
Wittelsbacherplatz 2
DE-80333 Muenchen
Germany