

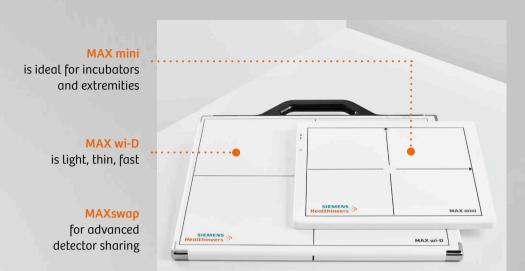


Technical specifications

Discover how you can stand out from the crowd in mobile X-ray imaging with MOBILETT Elara Max









for unrestricted data access

Remote service reduces the need for travel

MOBILETT Elara Max is offered with a remote service option.

This allows remote service diagnostics from anywhere in the world as well as remote software updates, reducing the need for service engineers to travel to customer sites.

wireless connectivity

Moreover, the unit has long maintenance intervals.

This contributes to environmental protection by reducing the emission of greenhouse gases (CO_2).

Environmental Management System

Siemens Healthcare gives high priority to achieving excellence in Environmental Protection, Health Management and Safety (EHS).

Across the globe, Siemens Healthcare has implemented a consistent EHS management system. It lays the foundation for the continuous improvement of our performance in these areas, and regular auditing assures our conformance.

As a result of this consistent approach, the entire Healthcare Sector is considered as one organization and is certified in accordance with ISO 14001 and OHSAS 18001.

Environmental Product Design



Material supply:

From natural resources to delivery of semifinished products



Production/delivery:

From production of components to system startup at the customer site



Use/maintenance:

Includes daily use by our customers as well as maintenance



End of life:

From disassembly at the customer site to material and energy recycling

Siemens Healthcare considers environmental aspects in all phases of the product life cycle, including material supply, production/delivery, use/maintenance, and end of life.

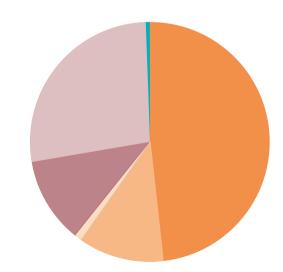
Our product design conforms to the requirements of IEC60601-1-9:2007 "Environmental product design for medical electrical equipment".

This standard supports the effort to improve the environmental performance of our products.

Identification of product materials

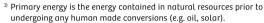
Ferrous alloys, steels	44.0 %	
Nonferrous metals and alloys	7.1 %	
Other metals and semimetals	0.018 %	
Inorganic materials, ceramics	1.2 %	
Other materials	0.001 %	
Plastics	14.6 %	
Critical substances	31.0 %	
Organic substances	2.0 %	
Tabaltabb	206 1	
Total weight:	approx. 396 kg	

approx. 396 kg (incl. options)

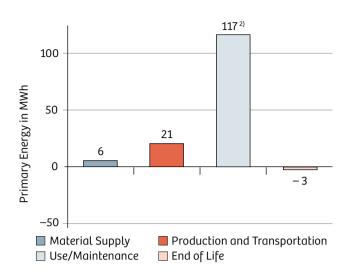


Cumulative Energy Demand

Energy consumption is the most important environmental characteristic of medical devices. This is why we use cumulative energy demand to assess environmental performance. Cumulative energy demand is the total primary energy 1) that is necessary to produce, use and dispose of a device – including all transportation. Our medical devices can be recycled almost completely for materials or energy. With an appropriate end of life treatment it is possible to return 3 MWh in form of secondary raw materials or thermal energy to the economic cycle.



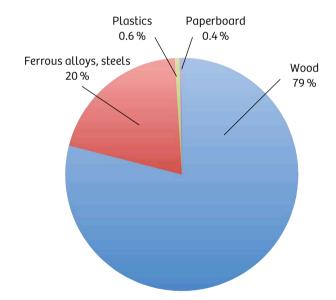
²⁾ The calculation for the 10-year usage is based on 10 hours per day and 5 workdays per week.



Packaging

It is our concern to minimize our packaging material and reduce the packaging waste by reusing and recycling the material. The remaining packaging material of MOBILETT Elara Max is 40 % reusable. 21 % can be recycled for material and 79 % for energy recovery.

Total weight of packaging: approx. 93 kg



Recycling

By weight, 91.1% recyclable material, 8.9% for energy.

The high-performance X-ray tube assemblies are designed with components that can be reused, and at the end of their service life are taken back and reused to the quality standards defined in IEC 62390.



Operating data	
Temperature range	+ 10 °C to + 35 °C
Relative humidity	30 % to 75 %, non-condensing
Barometric pressure	800 hPa to 1060 hPa
Noise level	
• basic load 1)	≤ 60 dBA
• full load	n.a.
Energy consumption	
• basic load 1)	0.22 kW basic load
• eco mode ²⁾	0.16 kW eco mode
• full load (peak)	0.65 kW full load (peak)
Power-on time	≤ 90 sec
Power-off time	≤ 90 sec

Device switched on and ready for examination
 Device switched on, but idle with arm in parking position



Technical specifications	
Possible type of cooling	air cooling
Complete switch-off is possible	yes
Interface for heat recovery	n.a.
Uniform operating symbols for device families	yes
Radiation	
Measures/techniques to minimize ionizing radiation exposure	CsI flat panel detector with high resolution, wireless remote control*, DAP measurement chamber*, multi-leaf collimator, EXI tracking, pediatric filters*, rejection analysis tool
Minimization compared to the limit value for patients	n.a.
Measures/techniques to minimize exposure to electromagnetic radiation	WiFi signal power can be reduced on request (wireless detector)
Minimization compared to the limit value for users	- · · · · · · · · · · · · · · · · · · ·
Replacement parts and consumables	
- Item	Life cycle**
System battery	2 years
Detector battery	1 year
Remote control* battery	1 year
Disposal / Substance information	
End of life concept	yes
Recycling information	yes
List of hazardous substances	yes
Cleaning	
Incompatible cleaning processes	
• Total device	n.a.
Restrictions for particular device components	n.a.
List of incompatible substance classes	
Total device	alcohol, petroleum ether, phenolic derivatives, iodine-containing substances
Flat panel detector	alcohol, petroleum ether, phenolic derivatives, iodine-containing substances
Suitability of the device for sterile areas	n.a.
Cleanable surface area	approx. 2 m ²
Further ecologically relevant information	
Elements of instruction are	
 Recommendations for saving energy 	n.a.
 Recommendations for efficient cleaning 	yes

^{*} Option; ** Recommended replacement interval

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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.

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MOBILETT Elara Max 144 600 95

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