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ACUSON NX3 Series

Environmental Product Declaration

Progress that is Impressive – Ecological Advantages of ACUSON NX3 Series

- Enabled for Siemens Remote Services (SRS), reduces customer service visits
- 23% lighter than prior generation products
- Rapid power-up and power-down time conserves energy
- All substances contained in the product and its packaging are documented
- Disassembly instructions for high-quality recycling are available

ACUSON NX3 Series: Reduces environmental impact by reducing customer service travel

ACUSON NX3™ Series is enabled for Siemens Remote Services (SRS), which allows remote updates, update handling, remote fix, and remote pre-clarification. SRS reduces the number of visits that Siemens personnel make to the customer. Eliminating average on-site travel of 2.5 hours reduces fossil fuel consumption and greenhouse gas emissions.





Scan Smarter.

The ACUSON NX3 ultrasound system is the next generation mid-range cart-based system in the Siemens ACUSON product line. Built from the ground up with a newly designed image processing architecture and a stunning new lightweight and compact design, it delivers both superb image quality on the largest monitor in its class, as well as workflow efficiencies using Siemens' new tactile and touch UI. With a broad range of applications to meet both your day-to-day and specialized needs, the ACUSON NX3 Series are the systems of choice for the most demanding shared service, general imaging and OB/GYN requirements in hospitals and clinics.

The ACUSON NX3 Series offers advanced workflow solutions that aim to deliver consistent, accurate results – even in the most active clinical settings. With fewer keystrokes and more user-customizable settings, the ACUSON NX3 Series is faster and more intuitive than traditional systems, creating an ultrasound experience that's right for the customer and patients.

Designed to elevate daily imaging routine, the ACUSON NX3 Series features the latest ultrasound innovations from Siemens. These tools adapt to the customer's dynamic needs by offering enhanced clarity across a wide range of applications. With imaging solutions built for performance, each exam can be approached with a greater level of diagnostic confidence.

Reduced Environmental Footprint

The ACUSON NX3 Series weighs 75 kg (165 lbs) without OEMs compared to the ACUSON X600 ultrasound system, weighing 98 kg (216 lbs) without OEMs, and uses 34.8% less electricity. This leads to lower fossil fuel consumption and greenhouse gas emissions during shipping (for production and to customers) and less natural resources consumed in manufacturing.

Environmental Management System

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

Across the globe, Siemens Healthineers 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.

Healthineers is certified in accordance with ISO 14001 and OHSAS 18001.

Environmental Product Design



Material supply:

From natural resources to delivery of semi-finished products



Production/delivery:

From production of components to operation startup by the customer



Use/maintenance:

Includes daily use by our customers as well as maintenance



End of life:

From disassembly at the customer through material and energy recycling

Siemens Healthineers 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 procedure fulfills the requirements of IEC60601-1-9:2007 "Environmental product design for medical electrical equipment".

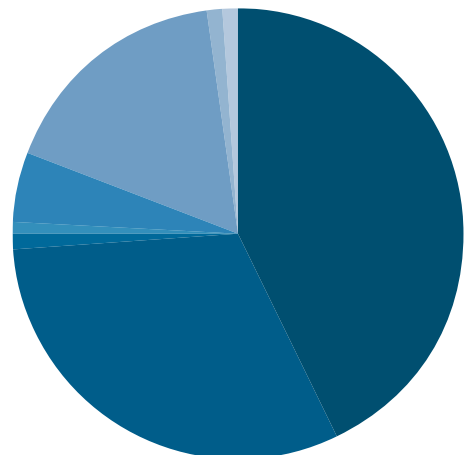
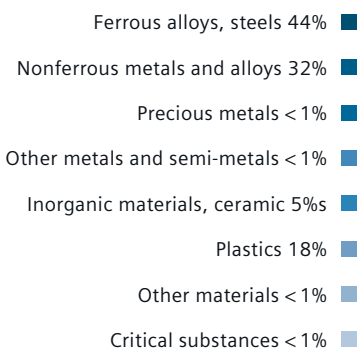
This standard supports the effort to improve the environmental performance of our products.

Identification of Product Materials

The ACUSON NX3 series is mainly constructed out of metals and plastics. This ensures a high degree of recyclability.

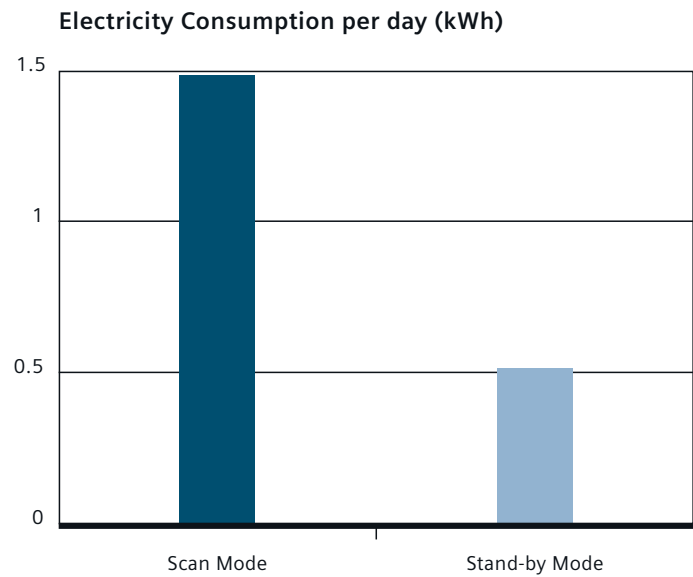
Total weight:

Approximately 75 kg (165 lbs)



Energy Analysis

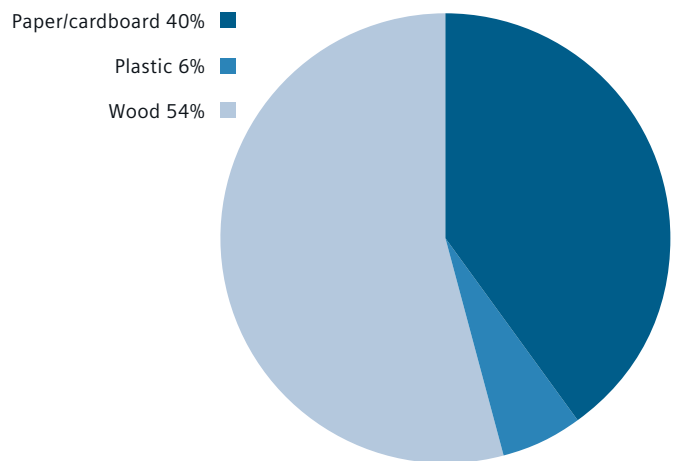
Energy consumption is an important environmental aspect of medical devices. For the ACUSON NX3 Series, equipped with the energy efficient Stand-by mode, the user makes the difference. When not in use, the user can reduce energy usage approximately 43% by switching from Scan to Stand-by mode.



Packaging

The ACUSON NX3 Series packing materials consist entirely of paper, cardboard, plastic and wood, nearly all of which can be recycled.

Total weight:
Approximately 35.0 Kg (77.2 lbs)



Operating data

Heat emissions of the device	
Stand-by mode ¹	0.13 kW
Scan mode	0.23 kW
Allowed room temperature³	10°C – 40°C
Allowed relative humidity³	10 – 80%
Noise level	
Basic load (without probe)	46.9 dB(A)
Full load (with VF10-5 probe)	46.9 dB(A) ⁶
Energy consumption	
During ramp up ⁴	0.21 kW
Stand-by mode ¹	0.13 kW
Scan mode ²	0.23 kW
Power-on time⁴	1 min 47 sec
Power-off time⁵	20 sec

¹ Device is in operation but no examination takes place

² Average value for energy consumption at examination of patients

³ within examination room

⁴ From off-mode to operating state

⁵ From operating state to off-mode

⁶ Measuring according to NEMA

Technical specifications

Interface for heat recovery	No
Type of cooling	Air-cooling
Complete switch-off is possible	Yes
Device is adjustable for the user in terms of height	Yes

Radiation

Not applicable

Replacement Parts and Consumables

Item	Life cycle*
Not applicable	



Disposal/Substance Information

End of life concept	Yes
Recycling information	Yes
List of hazardous substances	Yes

Cleaning

Compatible cleaning processes

Total device	Yes
Restrictions for particular device components	Yes

List of incompatible substance classes

Total device	Chlorinated solvent
	Aromatic solvent
	Acidic solution
	Basic solution
	Isopropyl alcohol and strong cleaner
Restrictions for particular device components	Yes
Suitability of the device for sterile areas	No
Size of the surface to be cleaned¹	approx. 5 m ²

¹ Console, probe, keyboard

Further Ecologically Relevant Information

Elements of instruction are

Recommendations for saving energy	Yes
Recommendations for efficient cleaning	Yes
Recommendations for appropriate use of consumables	No



This declaration is for information purposes only, it is not part of the specification and does not represent any warranty or guarantee.

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