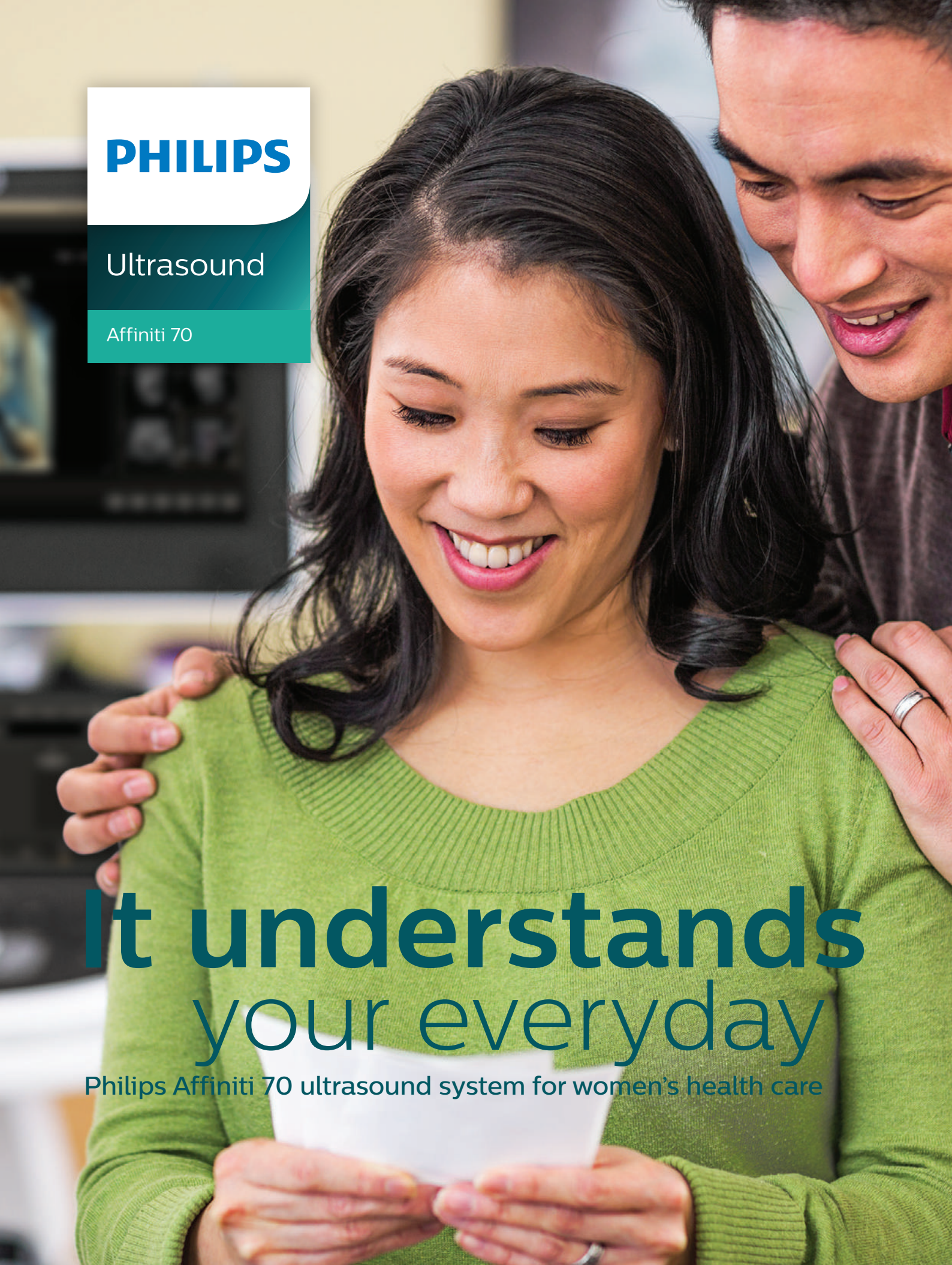


PHILIPS

Ultrasound

Affiniti 70

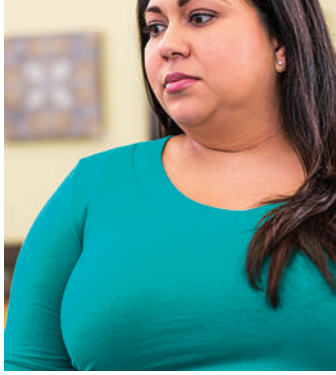
It understands your everyday

Philips Affiniti 70 ultrasound system for women's health care

Designed to set you ahead and help you stay ahead, Philips Affiniti 70 ultrasound system delivers innovation that helps you provide excellent care.

Designed for **balance**

You always go above and beyond to provide the best care to your patients. But you are expected to do so with less time, fewer resources, and higher patient volume.



To balance these many demands, you need diagnostic information quickly – but not at the expense of accuracy. You need advanced functionality – but not at the expense of ease of use. You need a system that is ergonomic – but built to last for the daily rigors of high patient volume.

Philips Affiniti 70 ultrasound system helps you achieve this balance. It delivers outstanding image quality and advanced tools for all gestational ages and complex gynecological cases – in a system that is out-of-the-box usable. Its simplified yet intuitive user interface and easy access to critical features produce superb diagnostic information quickly – all in an ergonomic design, to let you work with less reach and fewer steps. Its exceptional performance and intuitive design help you provide elegant, efficient care – every day.

Workflow meets **wow**

With the Affiniti 70 ultrasound system, workflow meets wow. The system incorporates those innovations that make Philips ultrasound the choice of those who demand high image quality and proven clinical applications, while also addressing the everyday need to scan quickly and deliver results efficiently, even for complex cases.

High anatomical detail

PureWave transducers are designed to increase penetration, particularly in technically difficult patients, such as expectant mothers with a high Body Mass Index (BMI). Pure, more uniform crystals, plus the ability to transform ultrasound energy with precision and efficiency, result in exceptional images with a high level of anatomic detail.

PureWave's power is strengthened by Affiniti 70's precision beamforming, which features a wide dynamic range to deliver superb spatial and contrast resolution, outstanding tissue uniformity, few artifacts, and reduced image clutter.

TSPs optimize the transducer for the specific exam type, producing excellent image quality with little or no need for image adjustment. This outstanding image quality combines with advanced clinical functionality.

Assess uterine tissue stiffness

Highly sensitive strain elastography can be used to assess relative tissue stiffness. Because it requires no external compression, it delivers exam consistency and reproducibility.

Affiniti 70's precision beamforming, PureWave technology, Tissue Specific Presets (TSP), and efficiency and automation tools deliver both performance and workflow for confident throughput.

Q-App quantification applications
Affiniti 70 offers sophisticated Q-Apps to quantify ultrasound image information.
- General Imaging 3D Quantification (GI 3DQ)
- Region of Interest (ROI)

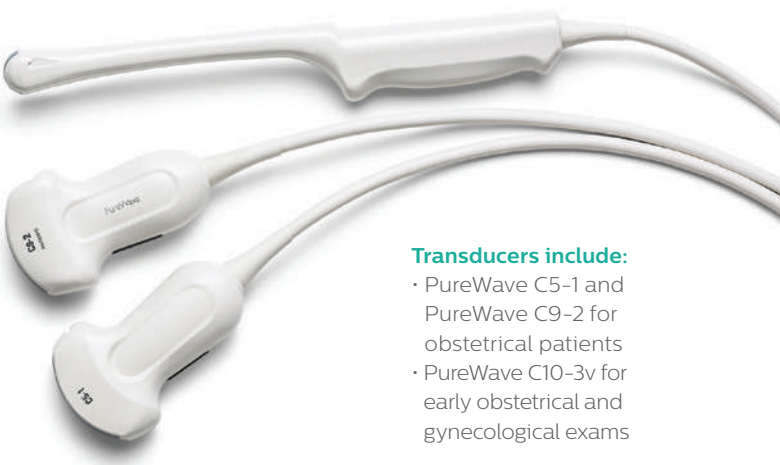
Automation tools save time
Philips Affiniti 70 system is our most automated ultrasound system in its class, ever. It is equipped with automation features that enhance workflow, decrease repetitive tasks, and enhance ease-of-use and consistency of exams among users. These include:

Real Time iSCAN (AutoSCAN)
Provides outstanding images in 2D, 3D, or 4D by automatically and continuously optimizing gain and TGC.

SmartExam guided workflow
Increases consistency, reduces keystrokes, and decreases exam time by 30%–50% by automatically planning and processing application protocols. Fast and easy to customize, SmartExam provides consistent and accurate annotation, automatic mode switching, and missed view alerts to streamline exams.

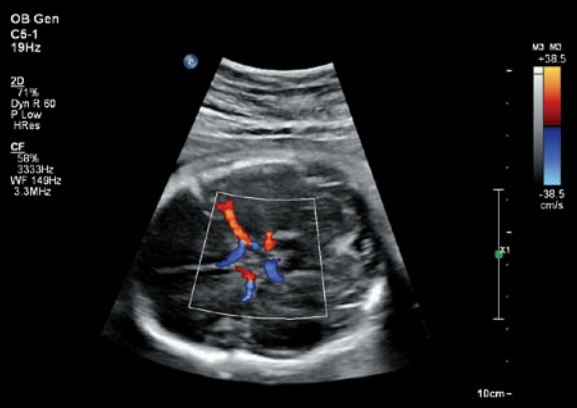
Efficient fetal scanning
Ability to create protocols for all trimesters and specialty exams such as trisomy 13 and 21.

Exceptional 3D surface rendering performance provides information to diagnose anomalies.



Transducers include:
- PureWave C5-1 and PureWave C9-2 for obstetrical patients
- PureWave C10-3v for early obstetrical and gynecological exams

Performance

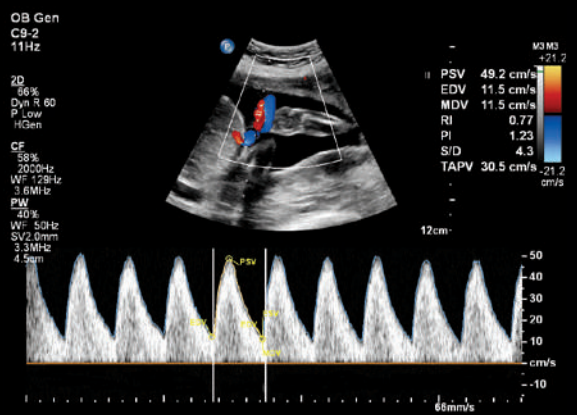


Middle cerebral arteries

Fetal abdomen

Fetal profile

Fetal abdomen



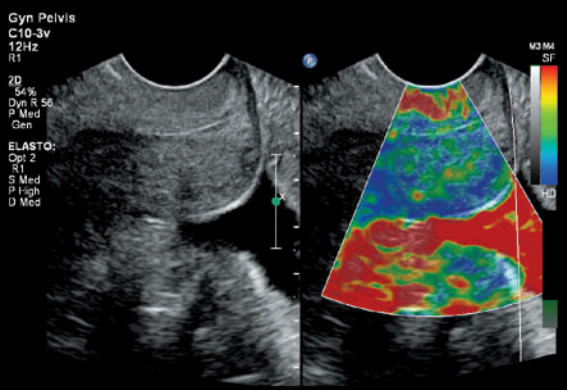
Umbilical artery Doppler

Fetal profile

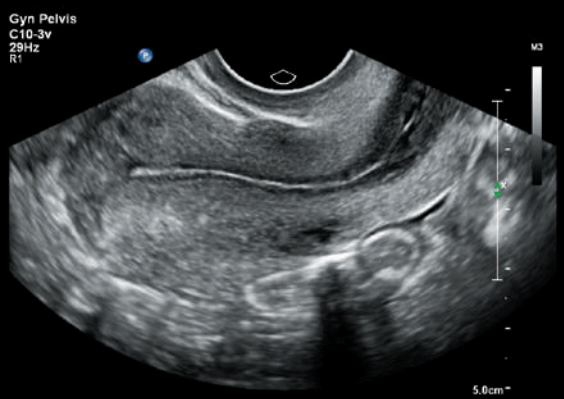
you can see

Color Doppler fetal kidney

Fetal head 12-week gestation



GYN elastography



Long uterus

Fetal face 3D rendering

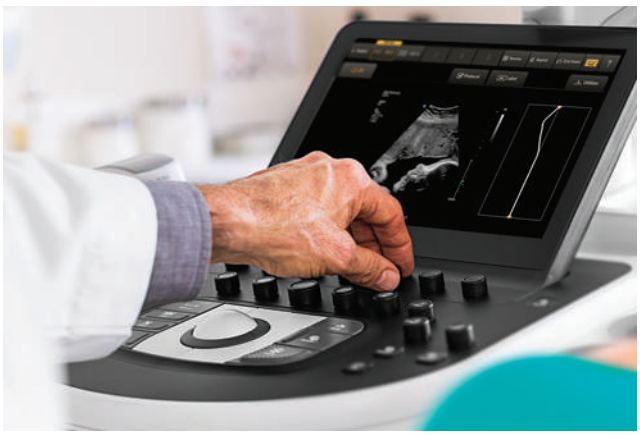
Four-chamber heart

Designed around your everyday workflow, Affiniti 70 offers walk-up usability, ergonomics, and mobility.

Comfort meets **competence**

Philips leverages the experiences of its customers to design Affiniti 70 to address the challenges of scanning. We understand the reality of tight spaces, high patient volume, technically difficult patients, and time constraints, and we've designed the system with thoughtful details to help lighten your workload. With Philips Affiniti 70, comfort meets competence in a system that is easy to learn and use.

You won't notice it's there unless it's gone, but users have reported that easy clip, our innovative cable management solution, keeps cables tangle- and damage-free while decreasing cable strain for improved comfort while scanning.



With image replication and TGCs on its tablet touchscreen, Affiniti 70 was designed to reduce reach and button pushes.

Walk-up usability

The intuitive, intelligently designed user interface and system architecture have been validated by studies that show that users with ultrasound experience require minimal training on system use to be able to complete an exam.

Reduced reach and button pushes

To enhance exam efficiency, Affiniti 70 places relevant, easy-to-learn controls right at your fingertips, streamlining workflow. Because 80% of ultrasound clinicians experience work-related pain, and more than 20% suffer a career-ending injury,[1] we've designed our intuitive, tablet-like touchscreen interface to reduce reach and button pushes.

Affiniti 70's friendly design and library-quiet operation enhance patient comfort.

Scanning comfort

Affiniti 70 is designed to make a full day of scanning comfortable. The control panel with 180° of movement and generously sized 54.6 cm (21.5 in) articulating monitor enhance scanning comfort whether sitting or standing, but also can be used to bring comfort to patients because you can easily turn the monitor towards them and share images on the large screen. At just 83.5 kg (184 lb), with a small footprint and a fold-down monitor, the system can be easily moved, and fits into small spaces.

Ready when you need it

The Set-up Wizard provides out-of-the-box usability that allows users to step up to the system, easily establish user configurations, and get running quickly.

When an exam is finished, a full suite of DICOM and PC format capabilities make information-sharing simple. Structured reporting facilitates patient workflow by giving you the ability to transfer measurements, images, and reports over network share, and wireless capability plus easy connection to printers helps you document exams.

To reduce the time required for mobile scans, the system can be put to sleep in two seconds, and then moved to a new location, where it starts up in just seconds.

[1] Society of Diagnostic Medical Sonography, Industry Standards for the Prevention of Musculoskeletal Disorders in Sonography, May 2003.

Built to withstand the rigors of daily use, Affiniti 70 offers low operating costs and is backed by Philips support and value-added services. The Affiniti 70 system boasts a low total cost of ownership, making it a smart investment.

A **smart** investment

Enhance uptime

- A modular design for enhanced reliability and rapid repair
- Philips remote services* monitoring, which corrects issues using a standard Internet connection, reducing the need for service calls
- Access to our award-winning service organization

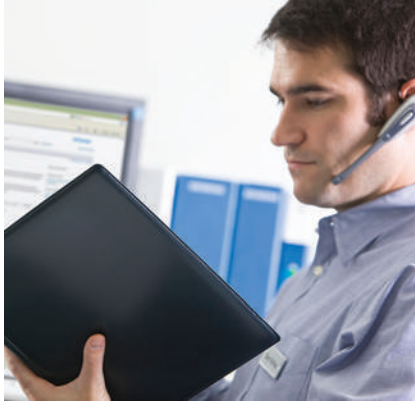
Responsive relationships

The value of a Philips ultrasound system extends far beyond technology. With every Affiniti 70 system, you get access to our award-winning service organization, our competitive financing, and educational programs that help you get the most out of your system.

Exceptional serviceability
The system features a superb modular design for rapid repair.

Service Request button for immediate access to Philips support.

*Not all services available in all geographies; contact your Philips representative for more information. May require service contract.



Smart service options* help reduce disruption to your everyday workflow. We also offer technology to keep your data secure, and education and utilization reports that help you get the most out of your system.

Remote desktop
Spend less time on the phone with a Philips "Virtual Visit" with remote system* interaction for fast technical and clinical troubleshooting and guided scanning options.

iSSL technology
This industry-standard protocol meets global privacy standards and provides a safe and secure connection to the Philips remote services network using your existing Internet access point.

Online support request
Enter a support request directly from your Affiniti 70 system for a fast, convenient communication mechanism that reduces workflow interruption and keeps you at the system and focused on your patient.

Utilization reports
Data intelligence tools can help you make informed decisions to improve workflow, deliver quality patient care, and decrease the total cost of ownership. This is the only ultrasound utilization tool that provides individual transducer usage and the ability to sort by exam type.

Proactive monitoring
Proactive monitoring allows for the detection and repair of anomalies before they become problems, and helps us to better predict potential failures and proactively act on them. Increase system availability, optimize workflow, and promote patient satisfaction by scheduling downtime as opposed to reacting to an unexpected problem.

Intelligent software architecture
Software is easily optimized, maintained, and restored by the service user without risk to patient data, giving you peace of mind and confidence that your data is secure. Patient data is stored on a separate partition and physical location to provide protection and ease of removal, providing you total control of your data.

Clinical education solutions
Our comprehensive, clinically relevant courses, programs, and learning paths are designed to help you improve operational efficiency and enhance patient care.

Affiniti 70 consumes nearly

60%

less power

than its predecessor.†
It consumes less energy than a toaster, which can help you save on energy and cooling costs.

* Not all services available in all geographies; contact your Philips representative for more information. May require service contract.
†HD15

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