

# THIS REQUEST IS FOR THREE SYSTEMS

REQUESTING SERVICE: RADIOLOGY

SHIP TO: V.A. Medical Center

Warehouse

508 Fulton Street

DURHAM, NC 27705-3897

558-B70007

Line #	Description	Qty
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1	<b>Affiniti 70 WHC</b>	3
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Affiniti features an uncompromised level of clinical performance to meet the challenges of today's busy ultrasound practices

- New tablet like interface revolutionizes how you interact with the system resulting in a reduction in exam reach and exam steps.
- Large 21.5-inch high definition LCD display mounted on fully articulating extension arm for easy viewing in virtually any environment
- **Infinite** articulation of control panel and monitor allows for perfect alignment whether sitting or standing (180 degrees of freedom from center) to scan ergonomically
- Almost silent when running (37-41dB) — equivalent to the sound of a library
- 4 transducer ports
- **Integrated** footrest
- Integrated storage shelves and drawer
- 4 wheel swivel and swivel/brake lock control
- Up to 4,718,592 total digital channels
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 280 dB for improved 2D
- Sixteen core processing computer with 1 Tbyte hard drive and 4 GByte graphics display
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode Triplex operation
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.

## Transducers

Advanced Compact connector technology offers pinless design for exceptional reliability and performance

- Ergonomic designs with lightweight flexible cables
- New low-loss technology for better penetration with fewer artifacts
- Breakthrough frequency bandwidths and array configurations
- Supports array configurations up to 20 MHz — sector, linear, curved, tightly curved, and mechanical volume transducers

## Automation

Designed with our most innovative tools to maximize efficiency

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	<ul style="list-style-type: none"> <li>Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.</li> <li>Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report</li> <li>Intelligent Tissue Specific Imaging</li> <li>Application-specific and user definable Quicktext Automatic Annotation</li> <li>QuickSAVE User Defined Programs (up to 45 per transducer)</li> </ul>	

#### Data

- On-board workstation-class data management with thumbnail previews and storage of images, loops and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export QLAB native data

#### Other Core Features

- OB clinical option
- GYN clinical option
- Battery back-up
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW Continuous Wave Doppler, Chroma Imaging, Tissue Doppler Imaging, Pulse Inversion, Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements

#### OB Clinical Option

- Tissue Specific Imaging software for specific transducers in obstetrical ultrasound applications
- Display optimization software with Tissue Specific presets for obstetrical imaging and Doppler applications
- Analysis software package includes obstetrical imaging protocols, report and trending
- Allows operation of C5-1, C6-2, C9-2, V6-2, C10-3v, C9-4v, S8-3, L12-3, L12-4, L12-5 50mm, C10-4ec and 3D9-3V transducers.

#### Gynecology Clinical Option

- Tissue Specific Imaging software for appropriate curved array transducers in Gynecological ultrasound applications
- Display optimization software with Tissue Specific presets for Gynecological imaging and Doppler applications
- Analysis software packages include imaging protocols and reports for:
  - Uterus studies

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- Rt and Lt Ovary studies
- Rt and Lt Follicle studies
- Pelvic Vasculature

Affiniti 70: Allows operation of C5-1, C9-2, C10-3v, C9-4v, C10-4ec and 3D9-3v transducers.

Affiniti 50: Allows operation of C6-2, C9-4v, C10-4ec and 3D9-3v transducers.

#### **NetLink Dicom**

Provides network print and store, commit, modality worklist, and structured reporting for adult and pediatric echo, vascular, and OB/GYN. Integrated Wireless DICOM with WEP security capability. Also enables DICOM Query and Retrieve (optional capability).

#### **Freehand 3D**

Allows acquisition of 3D freehand uncalibrated data with any linear or curved array probe except motorized transducers.

#### **Easy-clip Cable Mgmt Solution**

Unique cable management system that keeps cables tangle and damage-free, while also decreasing cable strain for greater operator comfort while scanning. Two easy-clips included; enough for four transducers.

#### **Safeguard**

This is a standard computer administration tool used to prevent unauthorized programs (malware) from running on the ultrasound system.

#### **Security Plus**

Security Plus provides a Defense-in-depth strategy implementing security features designed to help healthcare facilities provide additional patient data privacy, and protection from unauthorized access via the ultrasound systems on hospital networks. New data security enhancements will make EPIQ and Affiniti compatible with data security on medical devices. Requires Evolution 2.0 or later. This feature does not include or require SafeGuard (malware protection).

#### **S-Video**

Provides analog video signal output to compatible s-video devices.

#### **DVD Drive**

Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility.

#### **Clinical Education**

\*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and an E-Learning subscription; Basic System Training course for two people (expires 180 days after install).

\*\*\*Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by

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	the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.	
	<b>BST ONLINE COURSE</b> (qty 2) —The Basic System Training e-learning curriculum is focused on your Philips Ultrasound System. The aim of this comprehensive series is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self paced courses to familiarize you with your ultrasound system.	
2	<b>Promo Affiniti Online Bundle</b>	3
	This promotion provides a subscription for one person to access one of the four following online eLearning options: (1) Cardiac Echo online courses, (2) Women's Healthcare online courses, (3) General Imaging online courses, OR (4) Vascular online courses. The goal of the curricula is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self-paced courses covering relevant topics. This online tuition expires 180 days after the system install.	
3	<b>Government Security</b>	3
	Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.	
4	<b>Smart Exam</b>	3
	SmartExam protocols are easy-to-use customizable guides that help you perform complete studies on every patient. The on-screen menu guides you through the required views for a specific exam type, automatically enters annotation, and builds your report.	
5	<b>Ultrasound Query Retrieve</b>	3
	Allows for the viewing of DICOM Ultrasound images — you can review these images while you are live imaging. Requires NetLink DICOM option.	
6	<b>C9-2 PureWave Transducer</b>	3
	For Affiniti G and W: PureWave curved array transducer with 9 to 2 MHz extended operating frequency range. C9-2 PureWave Curved Array for high performance OB/GYN and Abdominal. Now, one transducer provides exceptional clinical performance for a wide range of patient types including technically challenging patients. For Affiniti C: PureWave curved array transducer with 9 to 2 MHz extended operating frequency range. C9-2 PureWave Curved Array for high performance Fetal Echo and Urology. Now, one transducer provides exceptional clinical performance for a wide range of patient types including technically challenging patients.	
7	<b>C9-4v Transducer</b>	9
	Curved array transducer with 9 to 4 MHz extended operating frequency range and 150-degree field of view. Supports 2D, color, PW Doppler, and Color Power Angio imaging for endovaginal applications. Biopsy kit available.	
8	<b>English Manual</b>	3
	Operation Manual	
9	<b>External Color Printer</b>	3
	Externally mounted and controlled, medical grade high resolution color printer for image documentation.	

Line #	Description	Qty
10	<b>US9103 Affiniti 50f70 BIOMED TRAINING</b>	3

This course prepares the customer's service technician to perform routine and corrective service tasks in support of the Philips Field Service Engineer.

**PREREQUISITES:**

General knowledge of computers, ultrasound systems and maintenance practices of electronic equipment is assumed.

**COURSE OBJECTIVES:**

At the completion of this course, the student will be able to:

- Identify the system components, features & functions of the : Affiniti 50/70 system.
- Operate the system to verify the correct : Affiniti 50/70 system function.
- List the main functions performed by the major : Affiniti 50/70 system components.
- Install system software to the : Affiniti 50/70 System
- Perform routine and corrective maintenance operations to the : Affiniti 50/70 system

\* PHILIPS PROPRIETARY MATERIALS SUCH AS DIAGNOSTIC SOFTWARE AND SERVICE DOCUMENTATION ARE NOT INCLUDED IN THE TRAINING AND WILL NOT BE AVAILABLE FOR USE OUTSIDE OF THE TRAINING ENVIRONMENT. THE TRAINEE MUST RETURN ALL PROPRIETARY MATERIALS RECEIVED DURING THE TRAINING AT THE END OF THE TRAINING. CUSTOMER ACKNOWLEDGES AND AGREES THAT NEITHER CUSTOMER NOR TRAINEE WILL RECEIVE A LICENSE TO SUCH PROPRIETARY MATERIALS AND THAT THE TRAINEE MAY NOT BE ABLE TO FULLY UTILIZE THE TRAINING WITHOUT THE USE OF SUCH PROPRIETARY MATERIALS. (CERTAIN LICENSES MAY BE OBTAINED THROUGH PURCHASE OF A PHILIPS RIGHTFIT SERVICE AGREEMENT.) Course dates and location to be finalized by Philips. Philips shall attempt to accommodate Customer requested dates and training location. The price quoted includes course tuition. Travel and living expenses are not included, but may be purchased separately through Philips.

**IMPORTANT Notes Regarding Admission to Philips Customer Engineer Training Courses:**

1. Trainee must meet all prerequisites
2. Course expires one (1) year from equipment installation date (or purchase date if sold separately)
3. Customer must sign Philips Nondisclosure statement
4. Trainee must sign Philips Nondisclosure statement
5. Customer must sign Philips terms and conditions of training