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 VA JBER, AK
 TRADE IN
 PHILIPS; SN - BOGL24; ACQ YEAR -
 2013

Line #	Description	Qty
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1	EPIQ 7G System	1
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EPIQ 7 is a new direction for premium ultrasound featuring an uncompromised level of clinical performance to meet the challenges of today's most demanding practices– the most powerful architecture ever applied to ultrasound imaging – touching all aspects of acoustic acquisition and processing allowing you to truly experience Ultrasound's evolution to a more definitive modality. Supported by our family of proprietary xMATRIX transducers and our leading edge of Anatomical Intelligence, this platform offers our highest level of premium performance.

Reinvention of the premium ultrasound user experience

- New tablet like interface revolutionizes how you interact with the system resulting in dramatic reduction of exam reach and exam steps. (15% reduction in total steps, 40% to 80% reduction in long reaches)
- Lightest premium system in its class (230 pounds) – 40% lighter than the heaviest competitive premium system
- Large 21-inch high definition LCD display for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (720 degrees of freedom) to scan ergonomically
- Almost silent when running (37-41bD) – equivalent to the sound of a library
- 4 transducer ports
- Ambient lighting of transducer connectors and the peripheral housing bay
- Integrated footrest
- Integrated storage shelves
- 4 wheel swivel and swivel/brake lock control

The most powerful architecture ever applied to ultrasound imaging

- Proprietary nSight architecture - a totally new way to form ultrasound images – all without compromise.

The combination of a new precision beamformer and massive parallel processing allow EPIQ 7 to receive and process an enormous amount of acoustic data allowing the system to focus down to the pixel level...all in real time.

- Up to 7,071,744 total digital channels (xMATRIX configuration)
- Up to 4,718,592 total digital channels (non xMATRIX configuration)
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 320 dB for improved 2D
- Windows Embedded Standard 7 Operating System

- 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

Transducers

Advanced MicroConnector technology offers pinless design for exceptional reliability and performance that feature:

- 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, TEE and volume transducers (mechanical and xMATRIX)

Automation

Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies
- Vascular Auto Doppler flow optimization automatically adjusts color box position and angle, automatically adjust sample volume placement and angle. Also includes Auto Flow Tracking for automatic angle correction with sample volume movements
- 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.
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer) Data
- Multi Modality Query Retrieve (Allows for the viewing of DICOM CT, Mammography, NM, MRI and ultrasound images – you can review these images while you are live imaging)
- NetLink/DICOM 3.0 provides network print and store, commit, modality worklist, DICOM Query and Retrieve, and structured reporting for adult and pediatric echo, vascular, and OB/GYN
- DICOM 3.0 Print and Store capability to internal drive or DVD/CD
- Integrated Wireless DICOM with WEP security
- 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
- Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export QLAB native data

Other Core Features

- 2D Panoramic
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- Basic 3D Imaging capability with MPR visualization feature
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW, Continuous Wave Doppler
- 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
- Tissue Doppler Imaging
- LVO contrast
- Stress Echo Protocol

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 Option

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

EPIQ 7 DVD Option

Clinical Education

EpiQ (GI) Clinical Education; ***2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), an E-Learning subscription; Basic System Training course for two people (expires 180 days after install) and a *1 Day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer**

*Must be used consecutively with other offsite advanced customer training tuitions associated with the same system, if purchased with other options that include offsite advanced customer training; offsite advanced customer training will be limited to a maximum of 2 consecutive days.

**TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

***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 the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.

All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.

2 Radiology Clinical Package 1

Includes the following:

- Abdominal Clinical Option
- Gynecology Clinical Option
- Vascular Clinical Option
- Pediatric GI Clinical Option
- Small Parts Clinical Option
- Musculoskeletal Clinical Option
- Obstetrical Clinical Option
- Fetal Echocardiography Option
- Urology Clinical Option
- TCD Clinical Option
- Interventional Clinical Option

3 xMATRIX xPlane and Live 3D SS 1

Provides a combination of functionality when using xMATRIX transducers in both 2D and Live 3D modes.

All xMATRIX transducers:

Live xPLANE: ability to image and acquire 2 orthogonal 2D images. The orthogonal plane can be tilted in the lateral or elevation plane as well as be rotated. Works in 2D and in color flow.

Live 3D: ability to perform real time Live 3D (dynamic 3D) allowing assessment of structures and its relationship within the anatomy, in greyscale and color Doppler. Zoom functionality is optimized for detailed Live 3D imaging of specific anatomic structures.

Additional functionality on X5-1 and X7-2t transducers only:

iRotate: ability to electronically rotate the 2D imaging plane without rotating the transducer. iRotate can be used in 2D and color flow. Can also be incorporated into 2D Stress Echo protocols to minimize acquisition times and improve reproducibility of images at different stages.

Live 3D Full Volumes: ability to capture a large volume in Live 3D. Designed to encompass the entire heart.

Can be performed in greyscale or with color Doppler. Multiple acquisition modes available, from 1 to 6 beats cardiac cycles.

Functionality on V6-2 and 3D9-3v Transducers only:

Quantitative 3D/4D volume acquisition with SonoCT supported on V6-2, 3D6-2 and 3D9-3v transducers. Also includes 3D Color Power Angio and 3D Color Doppler capabilities. Includes advanced MPR display capability.

Clinical Education

If you are purchasing xMatrix xPlane and Live 3D SS with a New Epiq 7 System you will receive:

*A second day of offsite Advanced Customer Training course for one (expires 180 days after install), a 3 Day offsite University (expires 275 days after install), and A Post University Integration onsite class (expires 365 days after install).

If you are purchasing xMatrix xPlane and Live 3D SS with an Upgrade you will receive: ***1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and a 1 day 3D offsite Advanced Customer Training course for one (expires 180 days after install), a 3 Day offsite University (expires 275 days after install), and A Post University Integration onsite class (expires 365 days after install).

All offsite training includes travel, see travel disclaimer**

*Must be used consecutively with other offsite advanced customer training tuitions associated with the same system if purchased with other options that include offsite advanced customer training.

**TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

***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 the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.

All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.

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| 4 | Battery Std Life Package | 1 |
| | Highly recommended for portable ultrasound studies. Allows system to be place in sleep mode and booted up in 20 seconds. Allows activation of the smart handle when not plugged in to central power. | |
| 5 | General Imaging 3D
Quantification Q-App (GI 3DQ) | 1 |
| | General Imaging 3D Quantification Q-App (GI 3DQ): 3D tools that support the viewing and quantification of 3D data sets. The GI 3DQ app allows you to view, crop, rotate, access and use all vision controls, and perform everyday measurements on 3D ultrasound data sets. | |
| 6 | X6-1 / C5-1 Transducer Pkg | 1 |
| | PureWave xMATRIX transducer with 6-1 MHz extended operating frequencies for abdominal and OB applications. Unique high density array of over 9200 fully sampled elements allows 2D, xPlane and Live volume images. C5-1 PureWave Broadband Curved Array Transducer with a 5 to 1 MHz extended operating frequency range. (on GI EPIQ only). | |
| 7 | L12-3 Transducer | 1 |
| | Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts applications. | |
| 8 | L12-5 Transducer Compact | 1 |
| | Fine pitch, 256 element, high resolution linear array transducer with 12 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, vascular and musculoskeletal imaging. | |

9	L15-7io Transducer Compact	1
	Compact high resolution linear array transducer with 15 to 7 MHz extended operating frequency range for intraoperative vascular imaging. Also supports high-resolution superficial venous and arterial studies.	
10	C10-3v Transducer Compact	3
	PureWave Curved array transducer with 3 to 10 MHz operating frequency range, end fire sector, 11.5 radius at curvature, 130 degree field of view for endovaginal applications.	
11	S5-1 Transducer Compact	1
	Sector array transducer with 5 to 1 MHz extended operating frequency range for adult cardiology, and adult and TCD applications.	
12	Elast PQ	1
	Shear Wave point quantification elastography utilizes the C5-1 transducer to conduct a virtual biopsy. At the touch of a button clinicians can acquire absolute liver stiffness data using a unique series of ultrasound pulses. This data helps clinicians assess early fibrotic changes, including much more information than can be obtained in a single tissue sample. Shear Wave ultrasound elastography offers the opportunity to avoid the complications of a biopsy and assess liver status non-invasively in combination with simple blood work.	
	Clinical Education	
	If you are purchasing Elast PQ with a New Epiq System you will receive a 1 Day offsite University (expires 275 days after install)*** and A Post University Integration onsite class (expires 365 days after install)	
	If you are purchasing Elast PQ with an Upgrade you will receive a 1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), 1 Day offsite University (expires 275 days after install)*** and a Post University Integration onsite class (expires 365 days after install).	
	All offsite training includes travel, see travel disclaimer**	
	<p>**TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.</p> <p>All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration</p>	
	<p>***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 the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.</p>	
13	English Manual	1
	Operation Manual	
14	QLAB 10 System	1

The core provides a Studies screen that allows the user to manage patient exams from a list, select them for viewing, import and export exams, and navigate to viewing functions. The View screen provides the ability to view DICOM ultrasound images from any compliant system in 4-up or 1-up modes, and stress echo by stage or by view. Adult echo, Pediatric Echo, and Vascular measurements sent from ultrasound systems in DICOM SR format are viewable in the View screen. DICOM regional calibration is supported for basic unlabeled measurements. Export functions include the ability to export images and or exams in DICOM and PC formats. PC format export includes image area masking for anonymization purposes. Includes Q-View DICOM viewer that can be written to media. Q-View supports viewing ultrasound and other DICOM images and supports stress echo viewing. The core software is installed on a customer's existing PC hardware, and registered via the Internet. Includes Q-Assistant app for configuration of options, media locations, connections to ultrasound systems, and backup and restore functions. The core product includes two registrations.

15 **QLAB Core Module** **1**

16 **GI/ WHC Bundle NA** **1**

Includes GI 3DQ, IMT, ROI, MVI, VPQ, EA apps for 2 (two) registrations.

GI 3DQ: 3D tools that support the viewing and quantification of 3D data sets. The GI 3DQ app allows you to view, crop, rotate, access and use all vision controls, and perform everyday measurements on 3D ultrasound data sets. Compatible with 3D datasets from Philips EPIQ, iU22, HD15, HD11 and HD9 systems.

IMT: Provides automated measurements of intima media thickness in carotids and other superficial vessels, and eliminates the need to manually position cursors, minimizing the time needed to complete an IMT study. Compatible with Philips iE33, iU22, CX50, HD15, HD11, HD7, Affiniti and EPIQ systems files.

ROI: Designed to increase the consistency and reliability of acoustic measurements while reducing the effort required to successfully perform ROI analysis for contrast imaging, tissue analysis and color Doppler. Compatible with Philips iE33, iU22, CX50, HD15, HD11, HD7, Affiniti and EPIQ systems files.

MVI: Applies a motion compensation algorithm to contrast loops. Provides export of BMP, JPEG, TIFF and AVI files. Compatible with Philips iU22, CX50, HD15, Affiniti and EPIQ systems.

VPQ: The Vascular Plaque Quantification app quantifies plaque in the carotid arteries using 3D volume images and provides clinicians with decision support for evaluating plaque. It automatically calculates and displays vessel and plaque boundaries for each frame, and boundaries can be adjusted manually by user. VPQ analyzes the data and provides on-image total plaque volume (mm³), maximum % Area, and per-frame values of plaque/lumen/wall areas, and plaque echo intensity. VPQ graphically depicts lumen area, plaque area and % reduction over vessel length. Compatible with the Philips iU22, Affiniti, an EPIQ system monochrome, single-volume 3D volume sets acquired with the VL13-5 mechanical transducer.

EA: Provides decision support for breast tissue imaging to examine potential hardening or calcification. Available in both single screen and side-by-side display modes.

- Ability to generate up to 10 user defined regions of interest (ROIs)
- Thumbnail display of frames

- Compatible with Philips EPIQ, Affiniti and iU22 systems using Elastography mode and L12-5 & L17-5/L18-5 transducer.

17 English Manual 1

Operation Manual

Includes one (1) day of modest lodging, ground transportation, and meal expenses in Cleveland, Ohio for one (1) attendee. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced. Although this part is only for one day, it is sold in multiple quantities to account for entire length of course. Expires one (1) year from the earlier of equipment delivery date or purchase date.

Course Length: 3.5 days
Delivery Method(s): Instructor Led
Modality: Ultrasound
Location: Cleveland and Best
Target Audience: Biomed and Hospital Engineers
DESCRIPTION:

- Describe and differentiate the EPIQ products.
- Support the installation of the systems by the FSE.
- Explain how to configure EPIQ systems.
- Operate the EPIQ systems at a basic level.
- Configure the system settings.
- Describe the basic theory of operation of the EPIQ systems.
- Use the First Responder tools provided with the Philips Support Connect (PSC) in the EPIQ systems.
- Perform basic preventative and corrective maintenance tasks.

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

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Trade in Allowance

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Customer represents and warrants that (i) Customer has, and shall have when title passes, good and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.

Product: 100600.000 iU22 Ultrasound System
Serial Number: B0G124
Manufacturer: PHILIPS HEALTHCARE