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400 VETERANS AVENUE  
BUILDING 26  
BILOXI, MS 39531-2410

PO# 520-B30029

<u>Line #</u>	<u>Product</u>	<u>Qty</u>
	100662 CX50 CompactXtreme	1

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Line #	Description	Qty
	<b>CX50 CompactXtreme Cardiology Ultrasound</b>	<b>1</b>

**Interface:**

15.0 inch high resolution display with wide viewing angle  
Quick Keys and Active Mode  
Laptop style Alphanumeric QWERTY keyboard  
8 TGCs and 2 LGCs  
Ergonomic carrying handle  
Includes AC adapter , power cord and system battery pack  
2 USB flash drives on system  
80 GB hard drive  
Internal DVD RW drive

**Architecture:**

All-digital compact broadband beamformer, Microfine 2D focusing with Dynamic Focal Tuning that includes Advanced X-Res signal processing, 170 dB full time input dynamic range 18,432 digitally-processed channels, Continuously variable steering in 2D, color and Doppler modes 2D Opt signal processing with 4X multi-line parallel processing and frequency compounding.

**Intelligent Controls:**

The CX50 has been designed to make portable exams easy and efficient. With a single button, iSCAN technology automatically samples data for a new level of 2D and Doppler optimization iSCAN one-touch Intelligent Optimization, iSCAN one-touch Intelligent Color Optimization, iSCAN Doppler one-touch optimization.

**Transducers:**

Supports Compact family of transducers featuring PureWave imaging technology in the S5-1, CX7-2t, C5-1, D5CWC. Also supports the high resolution S12-4, S8-3, C8-5 and L12-3 transducers. All transducers provide breakthrough frequency bandwidths and array configurations. These transducers also have ergonomically designed lightweight flexible cables and compact connectors.

**Modes:**

2D  
M-mode  
Anatomical M-mode  
Color M-mode  
Pulsed Wave Doppler  
Color Power Angio (CPA)  
Continuous Wave Doppler  
Invert and Color Invert  
Color compare mode  
Dual mode  
Duplex for simultaneous 2D and Doppler  
2D Optimization Signal Processing  
Live Compare  
Tissue Harmonic Imaging (THI)

Reconstructed zoom with pan (read zoom)  
 Write zoom  
 Pulse Inversion Harmonic imaging  
 Adaptive Doppler  
 Adaptive Color Doppler  
 Color Tissue Doppler imaging  
 Pulsed Wave Tissue Doppler imaging  
 Active Native Data - manipulation of image data  
 Cineloop review  
 Acquisition, storage, and display in real-time and duplex modes of up to 500 frames  
 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 images or export in DICOM, JPEG and .avi for PC compatibility. Philips DICOM viewer option to imbed in media transfer for easy viewing of study on most PCs.  
 Maintenance and Serviceability  
 Remote Access for Expedient Clinical and Technical Support  
 Flexible Service Agreements  
 Clinical Application and Educational Support  
 Scheduled Preventative Maintenance and System Optimization

#### **Adult Echo Clinical Option**

Tissue Specific Imaging software for adult cardiac ultrasound applications. Display optimization software with Tissue Specific presets for adult cardiac imaging and Doppler applications. Analysis software package includes cardiac imaging protocol measurements and configurable reports and finding codes. Active native data for post-process optimization and advanced XRES adaptive image processing for improved tissue conspicuity. iSCAN intelligent one-button optimization for adaptive gain compensation in 2D, Doppler, Tissue Doppler Imaging and LVO contrast functions. Includes Live compare mode, cardiac High-Q Automatic Doppler Analysis and respiration waveform from chest impedance. Allows operation of S5-1, CX X7-2t and D2cwc transducers.

**2** **DICOM Package** **1**

#### **NetLink/DICOM 3.0**

Provides DICOM 3.0 network print and store, commit, modality worklist. Includes print and store capabilities to network devices and CD/DVD and USB, Storage Commit, Modality Worklist. Also includes wireless DICOM hardware.

#### **Dicom Structured Reporting**

Provides Cardiac structured reporting feature to transfer measurements off the system via DICOM

**3** **Vascular Clinical Option** **1**

This clinical option includes Tissue Specific Imaging software and SonoCT for Cerebrovascular, Peripheral vascular, abdominal vascular and Transcranial applications. This clinical option also includes in depth analysis and reporting packages for vascular applications. Freehand 3D is also provide within this clinical option. Allows operation for vascular applications of the C5-1, S5-1, L12-3 and D5cwc transducers.

**4** **Wireless LAN** **1**

	<b>Travel Case</b>	<b>1</b>
	Padded wheeled travel case with front zipper pockets & telescoping handle. Includes a retractable stacking extension for transporting additional supplies and a customized transducer & gel carrying bag for up to 4 transducers. Dimensions: Accommodates CX50 imaging system, AC adapter, separate transducer carry bag for up to 4 transducers and gel,	
	<b>Cart</b>	<b>1</b>
	Highly mobile cart that includes: 4 swivel wheels with 4 locking casters, rear handle, micropositioning grips, quick-connect tray, utility drawer, storage shelf, footrest, internal isolation transformer, B&W printer brackets, integrated transducer connector holder, gel holders and cable management. Includes USB hub for additional connectivity.	
7	<b>USA Power Cord</b>	<b>1</b>
8	<b>S5-1 Broadband Phased Array</b>	<b>1</b>
	PureWave crystal Sector array transducer with 5 to 1 MHz extended operating frequency range for adult cardiology, abdominal, vascular, TCD and Acute Care.	
9	<b>D2cwc Static Transducer</b>	<b>1</b>
	Non-imaging 2 MHz PW/CW Doppler transducer for cardiac applications	
10	<b>C5-1 Broadband Curved Array Transducer</b>	<b>1</b>
	C5-1 broadband, Curved Array PureWave crystal transducer with 5 to 1 Mhz extended operating frequency range for abdominal, obstetrical, gynecological, interventional, vascular, contrast acute care and regional anesthesia applications.	
11	<b>L12-3 Linear Array Transducer</b>	<b>1</b>
	L12-3 fine pitched, high resolution linear array with 12 to 3 Mhz extended operating frequency range for vascular, small parts, breast, musculoskeletal, contrast regional anesthesia and acute care applications.	
12	<b>English Manual</b>	<b>1</b>
	Operation Manual	
13	<b>1 Day PAS Onsite</b>	<b>2</b>
	<b>1 Day PAS Onsite</b> - Ultrasound system or upgrade onsite training provided by a PAS (Product Applications Specialist) for specific system applications or upgrades; not per modality. <i>Education is provided Monday - Friday during normal business hours.</i> 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. <i>Repeat training for staff non-attendance will not be accepted.</i> Site must be patient-ready to meet training expectations. All onsite training day expires within 90 days from system or upgrade installation date. Exceptions are for 3D Stress onsite training (which expires 9 months from system or upgrade installation date) and Fusion & Needle Navigation onsite training (which expires 180 days from system or upgrade installation date).	
14	<b>1st SVC Manual for Gov</b>	<b>1</b>