



The used Philips ClearVue 850 is a shared service ultrasound machine that serves as the most advanced system in Philips ClearVue ultrasound line of budget lightweight ultrasound machines.

Key imaging features for the ClearVue 850 include SonoCT compound imaging, XRES speckle reduction, Tissue Doppler, 3D/4D imaging, CW Doppler, Tissue Doppler and Fetal STIC. It has a small footprint and is designed to be easily moved from room-to-room and can fit into smaller spaces.

Advanced features that are unique to the ClearVue 850 include stress echo, strain elastography, QLAB plug-in, and FloVue imaging.

Features

- 19-inch, 360-degree articulating monitor
- Ergonomically advanced console for user height adjustment and comfort
- Monitor tilt and swivel
- Monitor articulating arm
- AutoSCAN automatically identifies tissue type and continuously adjusts image gain
- 3D/4D for visualization and analysis of volume data
- Upgradeable to 4D
- Stress echo for cardiac imaging
- Strain elastography
- Pulse inversion harmonics
- SonoCT
- XRES
- FloVue advanced imaging mode for direct visualization of blood flow in vasculature
- Intima media thickness (IMT) imaging to automate measurement
- iSlice for quick volumetric display
- Curved ROI for OB imaging
- One-button iSCAN
- Active Array for superb image quality
- Broadband beamforming
- Tissue harmonic imaging



Specifications

Dimension

Width: Keyboard: 500 mm (19.7 in) Caster: 720 mm (28.3 in)
 Depth: Maximum: 697 mm (27.4 in) Caster: 800 mm (31.5 in)
 Height: Maximum: 1412 mm (55.6 in)
 Weight: 56 kg, 123 lbs

General Specifications

Digital beamformer
 Displayed imaging depth: 0 – 33 cm (probe dependent)
 Minimum depth of field: 0 – 2 cm (probe dependent)
 Maximum depth of field: 0 – 33 cm (probe dependent)
 Continuous dynamic receive focus/continuous dynamic receive aperture
 Adjustable dynamic range up to 120 dB

Power

Nominal input voltage: 100-240 VAC, frequency 50/60 Hz
 Power consumption maximum: 400 VA with peripherals

System Overview

Monitor (inch): 19" LCD
 Tilt/Rotate Adjustable Monitor: Yes
 Monitor Resolution: 1280*1024
 Touch Screen (Inch): No
 Trackball or Trackpad: Trackball
 CP Back-Lighting: Yes
 Weight: 115 lbs (52kg)
 Probe Ports: 4
 Battery: No
 Sleep Mode (Quick Start): No
 Maximum Depth of Field: 30cm
 Minimum Depth of Field
 Cart (HCU): No
 Independent Steer & Lockable Wheels: Yes

Imaging Modes

2D, M mode: Yes
 M-color Flow Mode: Yes
 Anatomical M-mode: Yes
 Trapezoidal Mode: Yes
 Color, Power Angio, Pulse Wave Doppler: Yes
 Bi-directional Power (=HD FLOW): Yes
 SCW Doppler: Yes
 Tissue Doppler(Velocity) Imaging: Yes
 Freehand 3D: Yes
 Live 3/4D OB/GYN: Yes
 HD Live: No
 STIC (Spatio-Temporal Image Correlation): Yes



Specifications Continued

Imaging Modes (continued)

Live 3D Echo: No
 Stress Echo: No
 Strain and Strain Rate (Cardiac): No
 B Flow: Yes
 Panoramic Imaging (=Logiq view): Yes
 Contrast Imaging - Cardiac: No
 Contrast Imaging - General Imaging: No
 Strain-based Elastography: Yes
 Shear Wave Elastography No

Connectivity

DICOM 3.0: Yes
 DICOM SR_Cardiac: Yes
 DICOM SR_Vascular: Yes
 DICOM SR_OB/GYN: Yes
 JPEG, WMV, & AVI: Yes
 USB: Yes(3)
 HDD/SDD: 500GB
 DVD/CD RW: Yes
 Wireless LAN: No

