

689-B66030  
VA W. HAVEN, CT

### Quote Configuration

| Description   | Qty |
|---|-----|
| <b>Liebel-Flarsheim<sup>TM</sup> Direct Digital Imaging System (80KW) Flat Panel</b>  | 1   |
| Liebel-Flarsheim <sup>TM</sup> Imaging System 17" x 17"<br>The Liebel-Flarsheim <sup>TM</sup> Imaging System is engineered for digital acquisition.<br>750LB WEIGHT RATING!<br>System Includes:<br>* 88 / 20 tilt table with 4 way power driven table top<br>* Dual Tower mounted 19" 1280 x 1024 color monitors for fluoro and alternate video input (Endo, ultrasound, etc.)<br>And one 19" 1280 x 1024 color monitor at the workstation<br>* Collapsible UroDrain frame with elbow support, Under-calf Leg Crutches, Remote hand control, Multi-function foot control, Arm support, IV pole, 24" table extension, and Table pad.<br>* Multi-Modality Viewing-the system can display PAC images, Ultrasound, Endo, X-ray, computer images etc.<br>* Remote Multi-Modality Viewing-controls a remote monitor (LCD, Plasma, etc.) using the system.<br>* High Frequency 80 kW x-ray generator with pulsed fluoro (15 / 7.5 / 3.75 / 1 pps, user selectable)<br>* Automatic Exposure Control (AEC) for digital radiographic exposures<br>* Automatic Brightness System (ABS) for fluoro image optimization<br>* Fluoro / Digital Rad footswitch<br>* Carton of 10 UroDrain Bags<br>* Moving 17" x 17" Imaging system for visualization of the urinary tract without moving the patient |     |
| Side Shelf  | 1   |
| Control Cabinet, White Laminate   | 1   |
| Allen Pneumatic Crutch  | 1   |

Quote Configuration

| Description                | Qty |
|----------------------------|-----|
| Leg Crutch, Black Fin Boot | 1   |
| Biomed Training            | 1   |

Trade In

| Description         |   |
|---------------------|---|
| LF Urology HUT Plus | 1 |



Item Code: 700560

750LB PATIENT WEIGHT RATING

BASE SYSTEM:

Table Elevation Range:

31.5" (787 mm) to 50" (1270 mm) @ up to 1" (25 mm) per second

Table Tilt Range:

- 20 degrees to +88 degrees @ up to 5 degrees/second Table

Top:

Imaging Window allows imaging 34" (86 cm) of anatomy without moving the patient

Longitudinal Travel --  $\pm 9.5$ " (24 cm) @ up to 1-1/2" (38 mm) per second

Transverse Travel --  $\pm 6$ " (15 cm) @ up to 1-1/2" (38 mm) per second

Table Top Length -- 43-1/2" (110 cm)

Maximum Table Top Load -- 750 lb.

Light-weight carbon-fiber table top lifts for easy cleaning, includes pad

Multi-function Foot Control:

Functions Controlled -

Mode 1: Tilt, Longitudinal, and Transverse motions Mode

2: Tilt, Elevate, Longitudinal / Transverse motions, Move Imaging, Table Position Store & Recall.

Separate Tri-mode Footswitch (Fluoro / Mag and Digital Radiography)

Remote Hand Control:

2 user programmable Table Position memories

1 service programmable Prep memory

Table Tilt

Table Elevation

Moving Imaging system for visualization of the urinary tract without moving the patient.

Table Longitudinal Motion

Table Transverse Motion

Tube Arm In/Out

Mag Mode

X-Ray Tube Support Arm:

S.I.D. 45.3" (115 cm) Power assisted x-ray tube arm

Standard Accessories:

\*Dual 19" medical grade, H-D LCD Color Monitors - 1280 X 1024 resolution, full color monitors for fluoro and alternate video inputs (endo, ultrasound, etc.) These flat screen monitors provide unparalleled positioning and flexibility with outstanding procedural vision. With lightweight, triple articulating arms, ergonomic handles, and complete Physician viewing control, this option enhances Physician comfort and increases flexibility in patient positioning.

\*Multi-Modality Viewing - The system can display PAC images, ultrasound, endo, x-ray, computer images, etc.

\*Remote Multi-Modality Viewing - controls a remote monitor (LCD, Plasma, etc.) using the system.

24" Table Extension with pad (attaches at foot or head end)

Table Rail Mounted I.V. Stanchion

Collapsible Latching UroDrain Frame with elbow support

Carton of 10 UroDrain Bags

Arm board

1 Pair of Universal Clamps

1 Pair of under-calf Leg Crutches

Flat Panel Detector:

2880 x 2281 x 14 Bit FPD provides pure digital signal

Image Processor, Last Image Hold (LIH)

Assisted Automatic FPD Calibration and Set-up

Fiber Optics or Copper Cabling from FPD to Acquisition Box

Image Quality Analysis/Masurement Software

Noise Reduction Filters & Pixel by Pixel Motion

Correction

DIGITAL ACQUISITION WORKSTATION:

HARDWARE:

PC Tower Electronics Enclosure: 20"H x 8"W x 17"D High Speed i7-8 Core CPU

Windows™ 7 Operating System providing "Point & Click" Graphic User Interface

PCI-e/PCI Bus for Peripheral Integration

Real-Time 5 Level 13 x 13 Edge Enhancements

(Fluoroscopy, Standard Radiography)

PC Keyboard and Windows™ Compatible Mouse with 6' Cable Included

PC Memory of 4 GB RAM

512 GB Disk Drive Minimum Storage of approx. 120,000

1024 x 1024 x 16 Bit Digital Spot Radiographic and Fluoroscopic Images

Two 2X DVD R/W

SOFTWARE FEATURES:

Thumbnail Image Viewing

Basic Measurement Package: Length, Multi-Segment Length, Angle, and Calibration

Automatic P.A.C.E. TM - AUTO-Image Optimization &

Hardcopy & Batch Printing: Allows the user to pre-set the desired settings before printing

Contrast Enhancement

Polarity

Digital Shutters

Zoom / Pan at 2x

H / V Reverse

Fluoro Dynamic Range

Video Bypass Selectable

Fluoro Dose

Annotation: Text, Line, Arrow

Multi Image Display 4 on 1 and 16 on 1

Export Jpeg to file

On-line and Remote Service Diagnostics

Customizable Acquisition Profiles

-Acquisition Rate up to 15 fps for RF

- Fluoro Dynamic Range-Rate Controlled Max
- Fluoro -Fluoro Edge Enhance: 5-level with none or low pass -"Customizable" Auto Image Optimization Look Up Tables
- H / V Reverse-Edge Enhancement
- Brightness and Contrast Settings
- Invert-Last Image Hold (LIH)
- Programmable Sequences
- Pulsed Fluoro capability: Automatic (15/7.5/3.75/1 pps, user selectable)
- Static High Resolution Reference Image
- Feature -Image Storage Viewable With Thumbnails
- Multiple Image Display: 1 on 1, 2 on 1 Horizontal, 2 on 1 Vertical, 4 on 1
- DICOM 3.0 NETWORK PROTOCOLS:
- DICOM Print Class
- DICOM Storage Class
- DICOM Worklist
- Modality Perform Procedure Step
- Storage Commitment Class

Fluoroscopy pulses per second (60 Hz): 1, 3.5, 7.5, 15  
 Automatic Brightness System (ABS): Standard  
 3/2 Factor Operation User Selectable

#### Automatic Brightness System (ABS) – Digital Fluoroscopic Image

##### HIGH FREQUENCY 80kW X-RAY GENERATOR:

- Microprocessor controlled
- 3 phase input
- High Frequency output
- Automatic exposure control - Digital Radiography
- High Performance Pulsed Fluoroscopy
- Fluoro Timer Audible: 5 minutes
- Fluoro Total cumulative time record: up to 99 minutes
- Automatic Tube Protection: Tube protection circuitry is microprocessor controlled selecting the proper rotor speed, and limiting the tube loading to safe limits increasing useful tube life.
- Output Power Rating: 80kW
- Radiographic kVp Range: /40-150 kVp (Three Phase)
- Accuracy: +/- (5%)
- mA Range and Stations: 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800
- Accuracy: +/- (5%)
- Power Output: 800mA @ 100kVp / 640mA @ 125kVp / 500 mA @ 150kVp
- Exposure Time Range: .001- 10 seconds
- Accuracy: +/- (5%)
- mAs Range: .1-640 mAs
- Automatic Expose Control (AEC): Standard-for digital radiographic exposures.
- Integrated High Speed Starter: Standard
- Fluoroscopic kVp Range in 1 kVp Steps: 40-120 kVp
- Accuracy: +/- (5%)
- Fluoroscopic mA: 0.1 - 25mA

340-480 Vac 3 Phase

**COLLIMATOR:**

Automatic adjustment when magnification sizes are selected Circular Iris Collimation in addition to horizontal and vertical leaf

Cross hair provided for accurate centering

Laser centerline

**RADIOGRAPHIC X-RAY TUBE:**

400,000 Heat Units

150 kVp rating

0.6-1.2 mm focal spots

4 inch 12 degree tungsten rhenium anode

Anode heat dissipation rate (max): 60,000 H.U./min

Housing heat storage capacity: 1,500,000 H.U.

17" x 17" Digital Radiographic Imaging Flat Panel Detector

Cesium Iodide input window.

Four Field 17" x 17" / 13.5" x 13.5" / 11" x 11" / 8" x 8"

**Magnification Modes.**

Resolution:  $\geq 944 \times 944$  pixels @ 17" x 17",  $\geq 768 \times 768$  pixels @ 13.5" x 13.5",  $\geq 944 \times 944$  pixels @ 11" x 11",  $\geq 672 \times 672$  pixels @ 8" x 8".

Last Imaging Hold, Edge Enhancement, Noise Reduction.

Imaging distance from table top – 1.5" grid

Processing Unit: 7"H x 17"W x 13.5"D

**WORKSTATION MONITOR:**

One 19" Hi-Res (1024x1280) resolution, full color LCD

Monitor at Workstation is included

**ELECTRICAL REQUIREMENTS:**

**Table:**

220  $\pm$  10% VAC, 1 $\emptyset$ , 50/60 Hz ( $\pm$  3 Hz)

Peak Current Draw: 20 Amps

**80kW Generator:**

480 VAC, 3 $\emptyset$

**ENVIRONMENTAL REQUIREMENTS:**

Operating Temperature Range: 50°F to 95°F (10°C to 35°C)

Humidity (non-condensing): 30% to 75%

Maximum Altitude: 8,000 ft (2,438 meters) above sea level

Weight: 1,900 lbs (862 kg)

**AVAILABLE DISPOSABLES:**

335563 UroDrain Bags, Sterile

335825 UroDrain Bags, Non-Sterile

337210 UroDrain LTS/10 Liter

337220 UroDrain LTS/20 Liter

337200 UroDrain Y-Connector

337125 Universal Footswitch Covers (Case of 25)