The **LIEBEL-FLARSHEIM DDI TABLE** is an advanced urological x-ray table designed for today's needs. It is designed to support a 750 lb. (340 Kg.) patient.

It is electro/hydraulic and electro/mechanical in function, controlled by computer micro-processor electronics.

**Table Elevation Range:**

<table>
<thead>
<tr>
<th>Low Position</th>
<th>High Position</th>
<th>Speed of Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.5&quot; (800 mm)</td>
<td>50&quot; (1270 mm)</td>
<td>Up to 1&quot; (26 mm) per second</td>
</tr>
</tbody>
</table>

**Table Tilt Range:**

<table>
<thead>
<tr>
<th>Trendelenberg</th>
<th>Reverse Trendelenberg</th>
<th>Speed of Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Degrees</td>
<td>88 degrees</td>
<td>Up to 5 degrees per second</td>
</tr>
</tbody>
</table>

**Table Top:**

<table>
<thead>
<tr>
<th>Longitudinal</th>
<th>Total Travel</th>
<th>Speed of Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot; (254 mm) to head end</td>
<td>20&quot; (508 mm)</td>
<td>Up to 1-1/2&quot; (38 mm) per second</td>
</tr>
<tr>
<td>Lateral:</td>
<td>± 6&quot; (152 mm)</td>
<td></td>
</tr>
<tr>
<td>Total Travel:</td>
<td>12&quot; (305 mm)</td>
<td></td>
</tr>
<tr>
<td>Speed of Travel:</td>
<td>Up to 1-1/2&quot; (38 mm) per second</td>
<td></td>
</tr>
<tr>
<td>Table Top Frame and Length:</td>
<td>43-1/2&quot; (1105 mm)</td>
<td></td>
</tr>
<tr>
<td>Maximum Table Top Load:</td>
<td>750 lbs. (340 Kg.)</td>
<td></td>
</tr>
</tbody>
</table>

Available in Right (reverse) or Left-hand (standard) Configurations.

**Operator Convenience:**

Three user programmable Table/X-Ray Tube Position memories
One service programmable Prep memory
Light-weight carbon-fiber table top lifts for easy cleaning, includes pad
All Tables include a mechanical lower limit stop to protect table.

**Flat Panel Detector Adaptability:**

Moves synchronously or independently of x-ray tube arm
Edge of intensifier to perineal end of table: 3" (76.2 mm)
Longitudinal image window: 32" (812.8 mm)
Sizes up to 14" (356 mm) diameter
Image distance from table top: 1.5" (38.1 mm)

**X-Ray Tube Support Arm:**

Source to Image Distance: 45.3" (1151 mm)
Power assisted x-ray Tube arm stores out of way for patient convenience

**Standard Accessories:**

24" Table Extension with Pad (attaches at foot or head end)
Table Rail mounted I.V. Stanchion
Collapsible Latching UroDrain Frame
Armboard
One Pair of Universal Clamps
One Pair of Leg Crutches
**Table Weight:**
(Table Only)

| Fixed Arm Models: | 1925 lbs. (873 Kg.) |

**Load Bearing Requirements:**
(Mounting Surface)

| Standard Mounting Method: | 476 lbs. per square foot (2341 Kg. / square meter) |
| Auxiliary Mounting Method: | As appropriate (Customer Supplied) |

**Anchorage Requirements:**
(Table Only)

| Anchoring System: | 2500 lbs. (1134 Kg.) per anchor |
| System must be appropriate for type of floor at installation site and must comply with all building codes and regulations for safe installation. |

**Environmental Requirements:**
(Table Only)

| Ambient Temperature: | 40° F to 95° F (4° C to 35° C) |
| Humidity (Non-Condensing): | 20% to 90% |
| Altitude: | 8000 Feet (2438 Meters) |

<table>
<thead>
<tr>
<th>Operating</th>
<th>Non-Operating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature:</td>
<td>40° F to 140° F (-40° C to 60° C)</td>
</tr>
<tr>
<td>Humidity (Non-Condensing):</td>
<td>5% to 90%</td>
</tr>
<tr>
<td>Altitude:</td>
<td>8000 Feet (2438 Meters)</td>
</tr>
</tbody>
</table>

**Electrical Requirements:**
(Table Only)

| Supply 1 - Table Function: | 208-240 volts, 1Ø, 50/60 Hz |
| Voltage Regulation: | All Models: 220 volts, ± 10% |
| Peak Current Draw: | All Models: 30 Amps @ 208 volts (Table Function) |
| Frequency Regulation: | All Models: ± 3 Hz |
| Max. Line Voltage Variation: | ± 10% @ 220 volts |

**Heat Dissipation:**
(Table Only)

| BTU Output (5% Duty Cycle): | 208 volts: 1648 BTU per hour |
| 240 volts: 1520 BTU per hour |

**Minimum Clear Opening Requirements:**

For Transporting equipment from off-loading area thru corridors, up or down elevator to room for installation minimum clearances are as follows:

- Doors: 39" (991mm) wide x 6'-8" (2032mm) high;
- Elevators: 39" (991mm) wide x 6'-8" (2032mm) high x 7'-4" (2235mm) deep;
- Corridors: 6'-0" (1829mm) wide.
SEDECAL-HF80 GENERATOR & CONTROL
DIMENSIONAL CHARACTERISTICS

FRONT ELEVATION

CABLE OPENING (BACK SIDE OF COVER PANEL)

23 1/2" (597)
26 1/2" (673)

SIDE ELEVATION

VENT - TYPICAL BOTH SIDES PROVIDE 6" (152) CLEARANCE FOR PROPER VENTILATION

14" (356)
26 1/2" (673)

PLAN VIEW

23 1/2" (597)
14" (356)
23" (584) SERVICE ELECTRONICS PANEL SWING WITH COVER PANEL REMOVED

SIDE ELEVATION

SEDECAL-HF80 - HIGH FREQUENCY GENERATOR

() - NUMBERS IN PARENTHESES ARE IN MILLIMETERS
SCALE: NO SCALE

GENERATOR WEIGHT: 175 LBS. (79 Kg)
GENERATOR HEAT OUTPUT: 544 BTU/HR (160 WATTS)

SIDE ELEVATION

7 1/2" (190)

FRONT ELEVATION

SEDECAL-HF80 - INTEGRATED CONTROL CONSOLE

() - NUMBERS IN PARENTHESES ARE IN MILLIMETERS
SCALE: NO SCALE

CONSOLE WEIGHT: 18 LBS. (8 Kg)

Mallinckrodt, Liebel-Flarsheim Business : Service Department : Site and Installation Planning Revised: 9/13/2012 SVC1224
IMAGING ELECTRONICS CABINET
DIMENSIONAL CHARACTERISTICS - PART NUMBER: 500200

EQUIPMENT WEIGHT DATA:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Weight</th>
<th>(Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF80 TOUCHSCREEN DISPLAY</td>
<td>29 Lbs.</td>
<td>(13.15 Kg.)</td>
</tr>
<tr>
<td>THALES PC CABINET</td>
<td>27 Lbs.</td>
<td>(12.25 Kg.)</td>
</tr>
<tr>
<td>INFIMED PC CABINET</td>
<td>28.2 Lbs.</td>
<td>(13 Kg.)</td>
</tr>
<tr>
<td>INFIMED STANDARD IMAGE MONITOR</td>
<td>55 Lbs.</td>
<td>(24.95 Kg.)</td>
</tr>
<tr>
<td>INFIMED IMAGE KEYBOARD</td>
<td>3.2 Lbs.</td>
<td>(1.45 Kg.)</td>
</tr>
<tr>
<td>INFIMED ISOLATION TRANSFORMER</td>
<td>32 Lbs.</td>
<td>(14.5 Kg.)</td>
</tr>
<tr>
<td>TRIPP-LITE ISOLATION TRANSFORMER</td>
<td>58 Lbs.</td>
<td>(26.3 Kg.)</td>
</tr>
</tbody>
</table>

FRONT VIEW

ADJUSTABLE SHELVES

LEFT VERTICAL

() NUMBERS IN PARENTHESES ARE IN MILLIMETERS.
ALL CABLES ARE ENTERED THRU OPENING IN BACK SIDE OF CABINET.
LIEBEL-FLARSHEIM DIRECT DIGITAL IMAGING SYSTEM
SUITE PLANNING
STANDARD LIEBEL-FLARSHEIM DDI • SEDECAL-HF80 GENERATOR
INFIMED IMAGING ELECTRONICS • DUAL LCD COLOR MONITORS ON TOWER

TYPICAL ROOM CONFIGURATION
LIEBEL-FLARSHEIM DDI WITH SEDECAL-HF80 GENERATOR SUITE
TYPICAL ROOM SIZE SHOWN: 16'-0" x 19'-0" (304 SQ. FT)
CONTROL ROOM SHOWN IS APPROXIMATELY 37 SQ. FT.
RECOMMENDED MINIMUM CEILING HEIGHT IS 9'-6".
NOTE: SEE TYPICAL ELECTRICAL SCHEMATIC FOR J-BOX DESCRIPTIONS
# SEDECAL-HF80 Generator Wiring Requirements

Incoming 480VAC 3-Phase Power can be Wye or Delta-configuration. Cannot tie any phase to ground.

## SEDECAL-HF80 - 3Ø Wiring Requirements

<table>
<thead>
<tr>
<th>Nominal Line Voltage</th>
<th>Incoming Line Wire Sizes (AWG)</th>
<th>Ground &amp; Impedance Requirements</th>
<th>Safety Disconnect (Thermal Magnetic)</th>
<th>Input Line Wire Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>480 VAC ±10%</td>
<td>8' (15) 100' (30) 150' (45) 200' (60)</td>
<td>2' (80)</td>
<td>Z_L = .158Ω  Z_C = .052Ω  Z_F = .251Ω</td>
<td>100 AMP FAL - 100A 3 POLE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ground (AWG)</td>
<td>Circuit Breaker</td>
<td>Sq. D Type or Equivalent</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAX Line Impedance</td>
<td>20' (6.10)</td>
<td>25' (7.62)</td>
</tr>
</tbody>
</table>

Notes: Numbers in parentheses are in meters.
- \( Z_L \) = Maximum Impedance of the Distribution Transformer
- \( Z_C \) = Maximum Impedance of Every Feeder Cable
- \( Z_L \) = Maximum Impedance of the Generator Input Terminals

## Notes:

- Input wiring requirements based on NEMA standard XR-9 1984 (R1994, R2000) "Power Supply Guidelines for X-Ray Machines". Federal, state and local codes must be used if they are more stringent. Wire sizes are for stranded, copper wire only.

- Power for this X-ray generator shall not come from same source as used for elevators, air handling or other similar types of equipment.

- Voltage drop at disconnect box must not exceed 10% at full load power. (Maximum line regulation for maximum kVA demand: 5%)
LIEBEL-FLARSHEIM DIRECT DIGITAL IMAGING SYSTEM - SUITE PLANNING

LIEBEL-FLARSHEIM DDI TABLE WITH SEDECAL HF-80 GENERATOR

**COVER TYPE CD-1**

- (1) 2-1/2" INSULATED BUSHING IN CENTER

**COVER TYPE CD-2**

- (2) 2-1/2" CHASE NIPPLES, LOCK RINGS, INSULATED BUSHINGS

**COVER TYPE CD-3**

- (1) 3/4" STRAIGHT AND (2) 3/4" 90° CONNECTORS WITH (1) 15 FT. LENGTH OF 3/4" SEAL-TITE CONDUIT

**COVER TYPE CD-4**

- (2) 90° 1-1/2" CONNECTORS
- (1) 10 FT. LENGTH OF 1-1/2" SEAL-TITE CONDUIT
- (1) STRAIGHT CONNECTOR.

TYPICAL COVER PLATE DETAIL

NO SCALE
LIEBEL-FLARSHEIM DIRECT DIGITAL IMAGING SYSTEM
UROLOGICAL TABLE
TECHNICAL SPECIFICATIONS
REFERENCE SHEET

LIEBEL-FLARSHEIM DDI UROLOGY TABLE
INSTALLATION MANUAL
414960
REV. A

SEDECAL HIGH FREQUENCY GENERATOR
TECHNICAL PUBLICATION
PI-1040R2

i5 NEXUS DIGITAL IMAGING SYSTEM
i5 NEXUS SERVICE MANUAL
PN: 710603

THALES CENTRAL PROCESSING UNIT
TECHNICAL SPECIFICATIONS
E15 61 681 50SC
OUTLINE DRAWING
61681561_041_A_PU

TRIPP-LITE ISOLATION TRANSFORMER
TECHNICAL SPECIFICATIONS
IS1800HG