Danley Sound Labs is proud of the fact that we make extraordinary products using fairly ordinary components. The power of our products is not in the expensive esoteric drivers, complicated cabinets or expensive signal processing. Rather, the power is that of a Superior Idea Realized.

Design Principles

At Danley Sound Labs we think a loudspeaker should be a neutral source that simply reproduces the amplified original signal. It should neither add nor subtract anything from the original source and have relatively flat magnitude and phase responses. Our loudspeakers do just that allowing us to have what many have described as a simple, pure, natural and uncolored sound.

The perfect loudspeaker should also provide exceptional directivity and pattern control. This is defined as the ability to direct sound energy coming from the loudspeaker to the listening areas; moving it away from side walls, ceilings, floors, etc. For the best results, directivity control needs to be maintained to the lowest possible frequency. Proper pattern control also greatly assists in a loudspeaker working properly in tight packed arrays.

About Danley Sound Labs

Danley Sound Labs is the exclusive home of Tom Danley, one of the most innovative loudspeaker designers in the industry. Tom has pioneered numerous technologies which have been utilized in projects ranging from ground zero bombing simulation, active noise cancellation of jet engines, critical listening mastering studios, live sound, commercial/high-end home theatre and houses of worship around the world.
Danley Vision Statement: To be the undisputed leader in loudspeaker technologies.

<table>
<thead>
<tr>
<th>Type</th>
<th>Product Code</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tapped Horn</td>
<td>TH 221</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>TH 812</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>TH 412</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DBH 218</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>TH 212</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>TH 112</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>TH 115</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>TH 118</td>
<td>8</td>
</tr>
<tr>
<td>Synergy Horn</td>
<td>TH MINI</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>TH 28</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>TH SPUD</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>DTS 10</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>DTS 20</td>
<td>13</td>
</tr>
<tr>
<td>Array-able Products</td>
<td>TH 50</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>CS 30</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>JH 90</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>GH 60</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>SH 100</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>SH 100B</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>SH MINI</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>SH MICRO</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>SH 95</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>SH 96</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>SH 64</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>SH 69</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>SH 60</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>SH 50</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>SH DFA</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>SH 46</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>SH 25</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>SM 60F</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>SM 60M</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>SM 96</td>
<td>34</td>
</tr>
<tr>
<td>SH LPM</td>
<td>SH 100M</td>
<td>35</td>
</tr>
<tr>
<td>DSP/Amplifiers/Accessories</td>
<td>DSL DSP &amp; AMPLIFIERS</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>TOURING COVERS &amp; FLYWARE</td>
<td>38</td>
</tr>
<tr>
<td>Where to Buy / Warranty</td>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>
Innovative Technology
Danley Sound Lab subwoofer products are primarily under the Tapped Horn patent pending technology. This provides the highest output, lowest distortion, lowest frequency response, lowest group delay, in the smallest package of any other subwoofer line in the world today.

Facts about our Specifications  Danley provides you with honest, real-world repeatable data; not marketing hype and wishful thinking specifications. Please measure any of our products for yourself and you will agree.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. SPL (Program)</th>
<th>Sensitivity</th>
<th>Mag. Response (-3dB ref. SPL)</th>
<th>Rating (Program)</th>
<th>Dimensions (H x W x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 221</td>
<td>144 dB</td>
<td>109 dB</td>
<td>22 - 180 Hz</td>
<td>6,000 W</td>
<td>60 x 60 x 28 in (1524 x 1524 x 711.2 mm)</td>
<td>480 lbs (217.92 kg)</td>
</tr>
<tr>
<td>TH 812</td>
<td>152 dB</td>
<td>110 dB</td>
<td>28 - 150 Hz</td>
<td>16,000 W</td>
<td>60 x 60 x 28 in (1524 x 1524 x 711.2 mm)</td>
<td>584 lbs (265.13 kg)</td>
</tr>
<tr>
<td>TH 412</td>
<td>146 dB</td>
<td>110 dB</td>
<td>33 - 200 Hz</td>
<td>8,000 W</td>
<td>26.5 x 45 x 45 in</td>
<td>357 lbs (162.08 kg)</td>
</tr>
<tr>
<td>DBH 218</td>
<td>147 dB</td>
<td>112 dB</td>
<td>34 - 300 Hz</td>
<td>7,200 W</td>
<td>45 x 45 x 22.5 in</td>
<td>277 lbs (125.76 kg)</td>
</tr>
<tr>
<td>TH 212</td>
<td>139 dB</td>
<td>104 dB</td>
<td>38 - 200 Hz</td>
<td>2,800 W</td>
<td>36 x 15 x 36 in</td>
<td>142 lbs (64.46 kg)</td>
</tr>
<tr>
<td>TH 112</td>
<td>132 dB</td>
<td>100 dB</td>
<td>33 - 200 Hz</td>
<td>800 W</td>
<td>38 x 18 x 30.2 in</td>
<td>142 lbs (64.46 kg)</td>
</tr>
<tr>
<td>TH 115</td>
<td>140 dB</td>
<td>106 dB</td>
<td>38 - 200 Hz</td>
<td>2,000 W</td>
<td>40 x 22.5 x 28.5 in</td>
<td>152 lbs (68.9 kg)</td>
</tr>
<tr>
<td>TH 118</td>
<td>143 dB</td>
<td>108 dB</td>
<td>35 - 250 Hz</td>
<td>3,600 W</td>
<td>40 x 22.5 x 28.5 in</td>
<td>160 lbs (72.6 kg)</td>
</tr>
<tr>
<td>TH MINI</td>
<td>135 dB</td>
<td>101 dB</td>
<td>48 - 200 Hz</td>
<td>1,400 W</td>
<td>24 x 15 x 22.5 in</td>
<td>76 lbs (34.4 kg)</td>
</tr>
<tr>
<td>TH 28</td>
<td>132 dB</td>
<td>100 dB</td>
<td>47 - 162 Hz</td>
<td>800 W</td>
<td>20 x 30 x 10.5 in</td>
<td>61 lbs (27.6 kg)</td>
</tr>
<tr>
<td>TH SPUD</td>
<td>126 dB</td>
<td>94 dB</td>
<td>19 - 125 Hz</td>
<td>800 W</td>
<td>11 x 48 x 45 in</td>
<td>156 lbs (70.8 kg)</td>
</tr>
<tr>
<td>DTS 10</td>
<td>133 dB</td>
<td>100 dB</td>
<td>15 - 70 Hz</td>
<td>2,000 W</td>
<td>59.5 x 44 x 16</td>
<td>285 lbs (129.4 kg)</td>
</tr>
<tr>
<td>DTS 20</td>
<td>128 dB</td>
<td>95 dB</td>
<td>18 - 100 Hz</td>
<td>1,000 W</td>
<td>87.5 x 18 x 20 in</td>
<td>220 lbs (99.7 kg)</td>
</tr>
<tr>
<td>TH 50</td>
<td>133 dB</td>
<td>97 dB</td>
<td>21 - 70 Hz</td>
<td>2,000 W</td>
<td>45 x 34 x 25 in</td>
<td>240 lbs (108.9 kg)</td>
</tr>
<tr>
<td>CS 30</td>
<td>127 dB</td>
<td>95 dB</td>
<td>33 - 67 Hz</td>
<td>800 W</td>
<td>22.5 x 16.5 x 22.5 in</td>
<td>81 lbs (36.7 kg)</td>
</tr>
</tbody>
</table>

Danley TH 221 - “The Cine-Monster”
The TH-221, dubbed “the Cine-Monster” is the only choice for the tour/event/staging customer who wants high efficiency and 20Hz performance. Its exceptionally low bass response is also perfect for the demands of today’s HD commercial theatre or a one-of-a-kind high-end home theatre.

Boldly, but accurately stated – the Cine-monster has no equivalent!

**Specifications**

- **Operating Frequency Range**: 22 Hz - 180 Hz - 3 dB
- **Sensitivity @ 1M**: 109 dBSPL
- **Maximum Output**: 138 dBSPL/144 dBSPL Peak
- **Input Power Ratings**: 3000 W continuous, 6000 W program
- **Nominal Impedance**: Single 2 ohm or 2 x 4 ohm switch selectable
- **Minimum Impedance**: 2 ohms
- **Recommended Processing**: 20 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 2 x 21” Long excursion
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**Performance Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 221</td>
<td>144 dB</td>
<td>109 dB</td>
<td>22 Hz – 180 Hz</td>
<td>6,000 W</td>
<td>60 x 60 x 28</td>
<td>480 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Self-powered model
- Cabinet Dolly
- Weatherized options available

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com
The TH-812, also known as “the Rock-Monster” delivers extremely high sensitivity, low frequency extension, and power handling heretofore never found in a single subwoofer.

For the staging/tour customer this means dramatically fewer cabinets and amplifiers to get the desired performance which ultimately puts money in their pockets.

**Specifications**

- **Operating Frequency Range**: 28 Hz - 150 Hz - 3 dB
- **Sensitivity @ 1M**: 110 dBSPL
- **Maximum Output**: 146 dBSPL/152 dBSPL Peak
- **Input Power Ratings**: 8,000 W continuous, 16,000 W program
- **Nominal Impedance**: Single 4 ohm or 2 x 8 ohm switch selectable
- **Minimum Impedance**: 3.5 ohms @ 60 Hz
- **Recommended Processing**: 20 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 8 x 12” Long excursion
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

---

**TH-812**

The “RockMonster” when only the best will do…

**Accessories**

- Self-powered model
- Cabinet Dolly, Touring Cover
- Weatherized options available

---

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 812</td>
<td>152 dB</td>
<td>110 dB</td>
<td>28 Hz – 150 Hz</td>
<td>16,000 W</td>
<td>60 x 60 x 28</td>
<td>584 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.  www.danleysoundlabs.com
The TH-412 is the only choice for the tour/event/staging customer who wants high efficiency and sub 30Hz performance. There isn’t another sub on the market that offers this combination of compact size, extreme sensitivity, high power handling, and low frequency extension.

### Specifications

<table>
<thead>
<tr>
<th>Operating Frequency Range</th>
<th>33 Hz – 200 Hz - 3 dB</th>
<th>27 Hz – 200 Hz -10dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity @ 1M</td>
<td>110 dB SPL</td>
<td>120 dB SPL @ 200 Hz</td>
</tr>
<tr>
<td></td>
<td>(Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M)</td>
<td></td>
</tr>
<tr>
<td>Maximum Output</td>
<td>... 140 dB SPL/146 dB SPL Peak</td>
<td></td>
</tr>
<tr>
<td>Input Power Ratings</td>
<td>4000 W continuous, 8000 W program</td>
<td></td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>Single 2 ohm or 2 x 4 ohm switch selectable</td>
<td></td>
</tr>
<tr>
<td>Minimum Impedance</td>
<td>1.6 ohms @ 63 Hz</td>
<td></td>
</tr>
<tr>
<td>Recommended Processing</td>
<td>25 Hz HP @ 24 dB/Butterworth</td>
<td></td>
</tr>
<tr>
<td>Drivers</td>
<td>LF 4 x 12” Long excursion</td>
<td></td>
</tr>
<tr>
<td>Input Connections</td>
<td>2-NL4MP</td>
<td></td>
</tr>
<tr>
<td>Enclosure Material</td>
<td>13ply, 18mm Baltic Birch, polyurea coated</td>
<td></td>
</tr>
</tbody>
</table>

### PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 412</td>
<td>146 dB</td>
<td>110 dB</td>
<td>33 Hz – 200 Hz</td>
<td>8,000 W</td>
<td>26.5 x 45 x 45</td>
<td>357 lbs</td>
</tr>
</tbody>
</table>
The DBH-218, also known as “the Thumper” is Tom Danley’s take on a more traditional bass horn enclosure. Unlike the Tapped Horn, the DBH-218’s low frequency response is extended when using multiples. Also using a pair of 18” drivers meets rider compliance issues while still yielding vastly better performance over competitive designs.

**Specifications**

Operating Frequency Range ......................................................... 34 Hz - 300 Hz - 3 dB
..................................................................................................... 28 Hz – 400 Hz -10dB
Sensitivity @ 1M ............................................................................................ 112 dB SPL
......................................................................................................... 117 dB SPL @ 100 Hz
(Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M)
Maximum Output ................................................................................ 141 dB SPL/147 dB SPL Peak
Input Power Ratings ............................................................................. 3,600 W continuous, 7,200 W program
Nominal Impedance .............................................................................. 2 ohm or 2 x 4 ohm switch selectable
Minimum Impedance ........................................................................... 1.8 ohm @ 40 Hz
Recommended Processing ................................................................. 25 Hz HP @ 24 dB/Butterworth
Drivers ................................................................................................. LF 2 x 18” Long excursion
Input Connections .................................................................................. 2-NL4MP
Enclosure Material .............................................................................. 13ply, 18mm Baltic Birch, polyurea coated

**Accessories**

- Self-powered model
- Cabinet Dolly
- Weatherized options available

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBH 218</td>
<td>147 dB</td>
<td>112 dB</td>
<td>34 Hz – 300 Hz</td>
<td>7,200 W</td>
<td>45 x 45 x 22.5</td>
<td>277 lbs</td>
</tr>
</tbody>
</table>
The TH-212 commercial pro subwoofer is designed for any application that needs massive punch but light weight and easy portability. Interlocking skids allow the 212 to be stacked into multiples which produce stunning output and low frequency directivity. Removable covers allow 2 choices for the location of the acoustical output – depending on the installation orientation you choose. Waterproof drivers are standard on all 212’s.

Available in both Touring and Install versions - touring version comes with handles and wheels to make it easily transportable, install version has a variety of fly-points for permanent installations. A self-powered model is also available with a built in DSP.

**Specifications**

- **Operating Frequency Range**: 38 Hz - 200 Hz +/- 3 dB
- **Sensitivity @ 1M**: 104 dB SPL
- **Maximum Output**: 133dBSPL/139dBSPL Peak
- **Input Power Ratings**: 1400W continuous, 2800W program
- **Nominal Impedance**: 4 ohms
- **Minimum Impedance**: 3.6 ohms @ 36 Hz
- **Recommended Processing**: 30 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 2 x 12” Long excursion
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**Performance Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 212</td>
<td>139 dB</td>
<td>104 dB</td>
<td>38 Hz – 200 Hz</td>
<td>2,800 W</td>
<td>36 x 15 x 36</td>
<td>142 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.

www.danleysoundlabs.com
The TH-112 is another very compact design which combines high efficiency with solid output down to 27 Hz. The TH-112 can be used singly in installed loudspeaker systems or used in multiples for tour sound or cinema applications.

**Specifications**

Operating Frequency Range .................................................. 33 Hz -200 Hz - 3 dB 
............................................................................................... 27 Hz – 260 Hz -10dB    
Sensitivity @ 1M ............................................................................................ 100 dBSPL                      
........................................................................................................ 107.5 dBSPL @ 84 Hz 
........................................................................................................ (Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M) 
Maximum Output ........................................................................ 126 dBSPL/132 dBSPL Peak @ 38 Hz 
........................................................................ 133 dBSPL/139 dBSPL Peak @ 84 Hz 
Input Power Ratings ....................................................... 400 W continuous, 800 W program 
Nominal Impedance .......................................................................................... 8 ohms  
Minimum Impedance ........................................................................8 ohms 
Recommended Processing........................................ 25 Hz HP @ 24 dB/Butterworth 
Drivers ................................................................................ LF 1 x 12’’ Long excursion 
Input Connections .......................................................................................... 2-NL4MP 
Enclosure Material ......................... 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 112</td>
<td>132 dB</td>
<td>100 dB</td>
<td>33 Hz – 200 Hz</td>
<td>800 W</td>
<td>38 x 18 x 30.2</td>
<td>142 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com
The TH-115 is aimed at the concert/tour professional that wants massive punch but light weight and easy portability. Interlocking skids allow the box to be stacked into multiples which produce stunning output and low frequency directivity. The TH-115 can also be installed permanently using a variety of fly-points available on the install version.

**Specifications**

Operating Frequency Range ........................................................................................................... 38 Hz – 200 Hz - 3 dB
................................................................................................................................................. 33 Hz – 280 Hz -10dB
Sensitivity @ 1M ............................................................................................................................. 106 dBSPL
................................................................................................................................................. 112 dBSPL @ 100 Hz max
(Referenced to 2.83V@1M ½ space, measured as 28.3V@10M)
Maximum Output ......................................................................................................................... 133 dBSPL/139 dBSPL Peak
.................................................................................................................................................... 139 dBSPL/145 dBSPL Peak @ 100 Hz
Input Power Ratings ..................................................................................................................... 1000 W continuous, 2000 W program
Nominal Impedance ......................................................................................................................... 4 ohms
Minimum Impedance .................................................................................................................... 5 ohms @ 78 Hz
Recommended Processing ............................................................................................................. 25 Hz HP @ 24 dB/Butterworth
Drivers ........................................................................................................................................... LF 1 x 15" Long excursion
Input Connections ............................................................................................................................ 2-NL4MP
Enclosure Material ......................................................................................................................... 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 115</td>
<td>139 dB</td>
<td>106 dB</td>
<td>38 Hz – 200 Hz</td>
<td>2,000 W</td>
<td>40 x 22.5 x 28.5</td>
<td>152 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Powered version available
- Speaker Cover
- Touring or Install versions
- Weatherized options available
Building on the success of the TH-115, the TH-118 gives you the impact of the tapped horn, just lower and louder. Massive punch but light weight and easy portability.

Interlocking skids allow the box to be stacked into multiples which produce stunning output and low frequency directivity. The TH-118 can also be installed permanently using a variety of fly-points available on the install version.

### Specifications

**Operating Frequency Range**

- TH: 35 Hz - 250 Hz - 4 dB
- TH: 28 Hz - 300 Hz - 10 dB

**Sensitivity @ 1M**

- TH: 108 dB SPL
- TH: 114 dB SPL @ 138 Hz max

*(Referenced to 2.83V @ 1M, space, measured as 28.3V @ 10M)*

**Maximum Output**

- TH: 137 dB SPL/143 dB SPL Peak
- TH: 143 dB SPL/149 dB SPL Peak @ 134 Hz

**Input Power Ratings**

- TH: 1800 W continuous, 3600 W program

**Nominal Impedance**

- TH: 4 ohms

**Minimum Impedance**

- TH: 3 ohms @ 67 Hz

**Recommended Processing**

- TH: 25 Hz HP @ 24 dB/Butterworth

**Drivers**

- TH: LF 1 x 18" Long excursion

**Input Connections**

- TH: 2-NL4MP

**Enclosure Material**

- TH: 13ply, 18mm Baltic Birch, polyurea coated

### PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 118</td>
<td>143 dB</td>
<td>108 dB</td>
<td>35 Hz – 250 Hz</td>
<td>3,600 W</td>
<td>40 x 22.5 x 28.5</td>
<td>160 lbs</td>
</tr>
</tbody>
</table>

---

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com
The TH-Mini was designed with the small band/weekend warrior in mind; who in most cases must setup and tear down on their own with nothing more than a hand truck.

Simply but boldly stated, there is no other product on the market today which matches the Mini’s level of performance and fidelity in a sub-compact size. Multiples may be used for bass arrays.

**Specifications**

Operating Frequency Range ................................................. 48 Hz - 200 Hz - 3 dB
................................................................................................................. 41 Hz -10dB
Sensitivity @ 1M ............................................................................................ 101 dBSPL
.............................................. (Referenced to 2.83V@1M ½ space, measured as 28.3V@10M)
Maximum Output ................................................... 129 dBSPL/135 dBSPL Peak
Input Power Ratings ................................. 700 W continuous, 1400 W program
Nominal Impedance .......................................................................................... 8 ohms
Minimum Impedance ....................................................................... 7 ohms @ 50 Hz
Recommended Processing................................ 40 Hz HP @ 24 dB/Butterworth
Drivers .............................................................. LF 1 x 12” Long excursion
Input Connections .......................................................................................... 2-NL4MP
Enclosure Material............... 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH MINI</td>
<td>135 dB</td>
<td>101 dB</td>
<td>48 Hz – 200 Hz</td>
<td>1,400 W</td>
<td>24 x 15 x 22.5</td>
<td>76 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com
The TH-28 is an extremely compact subwoofer that can easily be hidden under a step or stage. It will produce 124 dB @ 45Hz yet is only 10.5” high! The TH-28 features an interchangeable port/grill that allows for vertical or horizontal installations. Multiples may be used for bass arrays.

**Specifications**

Operating Frequency Range: 47 Hz - 162 Hz - 3 dB

Sensitivity @ 1M: 100 dBSPL (Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M)

Maximum Output: 126 dBSPL/132 dBSPL Peak

Input Power Ratings: 400 W continuous, 800 W program

Nominal Impedance: 8 ohms

Minimum Impedance: 8.2 ohms @ 45 Hz

Recommended Processing: 45 Hz HP @ 24 dB/Butterworth

Drivers: LF 2 x 8" Long excursion

Input Connections: 2-NL4MP

Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-28</td>
<td>132 dB</td>
<td>100 dB</td>
<td>47 Hz – 162 Hz</td>
<td>800 W</td>
<td>20 x 30 x 10.5</td>
<td>61 lbs</td>
</tr>
</tbody>
</table>
Designed with all of you “couch potatoes” in mind, the TH SPUD subwoofer can easily be installed under or behind the seating in your home theatre due to its 11” depth. The SPUD is capable of producing incredibly deep bass that you can “feel” with a flat response all the way down to 17 Hz while handling 800 watts.

The TH SPUD has removable covers that allow 3 choices for the location of the acoustical output - depending on then installation method you choose. An optional steel grill is available upon request.

**Specifications**

- **Operating Frequency Range**: 19 Hz – 125 Hz -3 dB
- **Sensitivity @ 1M**: 94 dB SPL
- **Maximum Output**: 126 dB SPL Peak
- **Input Power Ratings**: 400 W continuous, 800 W program
- **Nominal Impedance**: 8 ohms
- **Minimum Impedance**: 8 ohms
- **Recommended Processing**: 15 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 2 x 8” Long excursion
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**Performance Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH SPUD</td>
<td>126 dB</td>
<td>94 dB</td>
<td>19 Hz – 125 Hz</td>
<td>800 W</td>
<td>11 x 48 x 45</td>
<td>156 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

Powered version available
DTS-10, the latest in the “monster” category of Danley subs. It is the reference standard high definition cinema subwoofer with an unheard of output down to 10 Hz, having at least twice the power of the renown DTS-20.

Originally produced as an industry first “do-it-yourself” subwoofer kit, the new and improved DTS-10 is now a regular member of our product line. It makes an outstanding home theatre solution and is guaranteed to make any home theatre enthusiast drool!

**Specifications**

- **Operating Frequency Range**: 15 Hz - 70 Hz -3 dB, 12 Hz -10dB
- **Sensitivity @ 1M**: 100 dBSPL (15 Hz - 70Hz) (Referenced to 2.83V @1M ½ space)
- **Maximum Output**: ... 127 dBSPL/133 dBSPL Peak
- **Input Power Ratings**: 1000 W continuous, 2000 W program
- **Nominal Impedance**: 4 ohms
- **Minimum Impedance**: 2.6 ohms @ 31 Hz
- **Recommended Processing**: 10 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 2 x 12” Long excursion
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**DTS-10**

High Definition Sub - Solid Bass to 10 Hz!

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTS 10</td>
<td>133 dB</td>
<td>100 dB</td>
<td>15 Hz – 70 Hz</td>
<td>2000 W</td>
<td>59.5 x 44 x 16</td>
<td>285 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.

www.danleysoundlabs.com
The DTS-20, a.k.a. “The Tower of Power”, is simply the most powerful, lowest frequency reproducing subwoofer on the planet. Solid output down to 16 Hz, single digit distortion and incomparably low group delay put this amazing subwoofer in a class by itself.

The Tower of Power has removable covers that allow 2 choices for the location of the acoustical output – depending on the installation orientation you choose.

**Specifications**

Operating Frequency Range .................................................... 18 Hz-100 Hz -3 dB
................................................................................................................. 16 Hz -10dB
Sensitivity @ 1M .............................................................................. 95 dBSPL (-1dB 20Hz -70Hz)
................................................................................................................. (Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M)
Maximum Output ...................................................................... 122 dBSPL/128 dBSPL Peak
Input Power Ratings .................................................. 500 W continuous, 1000 W program
Nominal Impedance .............................................................................. 8 ohms
Minimum Impedance ......................................................... 5.4 ohms @ 40 Hz
Recommended Processing ............................................. 15 Hz HP @ 24 dB/Butterworth
Drivers .................................................................................... LF 1 x 12” Long excursion
Input Connections .............................................................................. 2-NL4MP
Enclosure Material .................................................. 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTS 20</td>
<td>128 dB</td>
<td>95 dB</td>
<td>18 Hz – 100 Hz</td>
<td>1,000 W</td>
<td>87.5 x 18 x 20</td>
<td>220 lbs</td>
</tr>
</tbody>
</table>

**DTS-20**

The Tower of Power

**Accessories**

- Powered version available
- Weatherized options available
The CS30 (Compact Subwoofer 30 Hz response) combines high sensitivity with very low frequency cutoff in a sub-compact package.

(Available in both Touring and Install versions)

Specifications
Operating Frequency Range ..................................................... 33 Hz - 67 Hz - 3 dB
................................................................................................... 27 - 150 Hz -10dB
Sensitivity @ 1M ...................................................................... 95 dB SPL (±1dB 33 Hz - 67 Hz)
...........................................................................(Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M)
Maximum Output ..................................................................... 121 dB SPL/127 dB SPL Peak
Input Power Ratings .................................................. 400 W continuous, 800 W program
Nominal Impedance ................................................................. 8 ohms
Minimum Impedance ............................................................. 6.5 ohms @ 30 Hz
Recommended Processing .................................................. 25 Hz HP @ 24 dB/Butterworth
Drivers ................................................................................ LF 1 x 12” Long excursion
Input Connections ........................................................................ 2-NL4MP
Enclosure Material ......................................................... 13ply, 18mm Baltic Birch, polyurea coated

CS-30
World’s smallest subwoofer with commercial output to 30 Hz

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 30</td>
<td>127 dB</td>
<td>95 dB</td>
<td>33 Hz – 67 Hz</td>
<td>800 W</td>
<td>24 x 15 x 22.5</td>
<td>83 lbs</td>
</tr>
</tbody>
</table>

Accessories
Powered version available
Weatherized options available

PERFORMANCE DATA

© 2012 Danley Sound Labs. All Rights Reserved.
www.danleysoundlabs.com
The TH-50 is a perfect choice for the customer who wants high efficiency and solid 20 Hz performance. Unrivaled efficiency and high sensitivity of 97dB @ 23 Hz coupled with power handling of 2,000 watts are just a few of the reasons the TH-50 is the subwoofer of choice for many applications.

**Specifications**

Operating Frequency Range: 21Hz - 70 Hz - 3 dB
Sensitivity @ 1M: 97 dB SPL
104 dB SPL @ 63 Hz
(Referenced to 2.83V @1M ½ space, measured as 28.3V @ 10M

Maximum Output: 134 dB SPL/137 dB SPL Peak @ 63 Hz

Input Power Ratings: 1000 W continuous, 2000 W program

Nominal Impedance: 8 ohms

Minimum Impedance: 5 ohms @ 25 Hz

Recommended Processing: 15 Hz HP @ 24 dB/Butterworth

Drivers: LF 1 x 15” Long excursion

Input Connections: 2-NL4MP

Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

---

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH 50</td>
<td>133 dB</td>
<td>97 dB</td>
<td>21 Hz – 70 Hz</td>
<td>2,000 W</td>
<td>45 x 34 x 25</td>
<td>240 lbs</td>
</tr>
</tbody>
</table>

---

**Accessories**

Powered version available
Weatherized options available
# Full Range Comparison

## Innovative Technologies
Danley Sound Lab Full Range Loudspeaker products utilize the patent-pending *Synergy Horn* technology which allows multiple drivers to seamlessly combine into a single horn.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. SPL (Program)</th>
<th>Sensitivity</th>
<th>Mag. Response (-3dB ref. SPL)</th>
<th>Rating (Program)</th>
<th>Dimensions (H x W x D)</th>
<th>Weight</th>
<th>Beamwidth (Hor x Ver)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Synergy Horn - Full Range Loudspeakers</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JH 90</td>
<td>150 dB</td>
<td>115 dB</td>
<td>50 Hz – 22 kHz</td>
<td>see spec sheet</td>
<td>60 x 45 x 28 in</td>
<td>720 lbs (326.9 kg)</td>
<td>90° x 40°</td>
</tr>
<tr>
<td>GH 60</td>
<td>139 dB</td>
<td>104 dB</td>
<td>90 Hz – 16 kHz</td>
<td>2,800 W</td>
<td>48 x 30 x 23 in</td>
<td>199 lbs (90.3 kg)</td>
<td>60° x 45° SA</td>
</tr>
<tr>
<td>SH 100</td>
<td>126 dB</td>
<td>95 dB</td>
<td>70 Hz – 20 kHz</td>
<td>600 W</td>
<td>20.5 x 20.5 x 9 in</td>
<td>45 lbs (20.4 kg)</td>
<td>110° conical</td>
</tr>
<tr>
<td>SH 100B</td>
<td>130 db</td>
<td>98 dB</td>
<td>50 Hz – 17 kHz</td>
<td>1600 W</td>
<td>33.5 x 20.5 x 19 in</td>
<td>135 lbs (61.2 kg)</td>
<td>110° conical</td>
</tr>
<tr>
<td>SH MINI</td>
<td>117 dB</td>
<td>88 dB</td>
<td>125 Hz – 18 kHz</td>
<td>400 W</td>
<td>10 x 10 x 10.5 in</td>
<td>22.5 lbs (10.2 kg)</td>
<td>100° conical</td>
</tr>
<tr>
<td>SH MICRO</td>
<td>119 dB</td>
<td>92 dB</td>
<td>100 Hz – 15 kHz</td>
<td>240 W</td>
<td>18 x 8 x 12.5 in</td>
<td>23 lbs (10.4 kg)</td>
<td>90° x 90°/15° DA</td>
</tr>
<tr>
<td>SH 95</td>
<td>126 dB</td>
<td>97 dB</td>
<td>91 Hz – 20 kHz</td>
<td>800 W</td>
<td>14.5 x 24 x 15 in</td>
<td>53 lbs (21.7 kg)</td>
<td>95° x 55°</td>
</tr>
<tr>
<td>SH 96</td>
<td>139 dB</td>
<td>101 dB</td>
<td>50 – 16 kHz</td>
<td>2,800 W</td>
<td>26.5 x 45 x 25 in</td>
<td>215 lbs (97.61 kg)</td>
<td>90° x 60°</td>
</tr>
<tr>
<td>SH 64</td>
<td>141 dB</td>
<td>103 dB</td>
<td>65 Hz – 16 kHz</td>
<td>2,800 W</td>
<td>26.5 x 34 x 25 in</td>
<td>197 lbs (89.4 kg)</td>
<td>60° x 40°</td>
</tr>
<tr>
<td>SH 69</td>
<td>132 dB</td>
<td>99 dB</td>
<td>55 Hz – 18 kHz</td>
<td>2000 W</td>
<td>34 x 21 x 17 in</td>
<td>116 lbs (52.6 kg)</td>
<td>60° x 90°</td>
</tr>
<tr>
<td>SH 60</td>
<td>133 dB</td>
<td>100 dB</td>
<td>48 Hz – 18 kHz</td>
<td>2000 W</td>
<td>28 x 28 x 22 in</td>
<td>127 lbs (57.6 kg)</td>
<td>60° x 60°</td>
</tr>
<tr>
<td>SH 50</td>
<td>133 dB</td>
<td>100 dB</td>
<td>50 Hz – 18 kHz</td>
<td>2000 W</td>
<td>28 x 28 x 25.5 in</td>
<td>133 lbs (60.4 kg)</td>
<td>50° x 50°</td>
</tr>
<tr>
<td>SH DFA</td>
<td>128 dB</td>
<td>96 dB</td>
<td>350 Hz – 18 kHz</td>
<td>800 W</td>
<td>12 x 28 x 25.5 in</td>
<td>69 lbs (29.4 kg)</td>
<td>(50° x 100°) x 50°</td>
</tr>
<tr>
<td>SH 46</td>
<td>141 dB</td>
<td>106 dB</td>
<td>58 Hz – 16 kHz</td>
<td>2,800 W</td>
<td>29 x 22.3 x 22.7 in</td>
<td>118 lbs (52.6 kg)</td>
<td>40° x 60°</td>
</tr>
<tr>
<td>SH 25</td>
<td>143 dB</td>
<td>110 dB</td>
<td>90 Hz – 18 kHz</td>
<td>2,000 W</td>
<td>28 x 28 x 50.7 in</td>
<td>176 lbs (79.8 kg)</td>
<td>25° x 25°</td>
</tr>
<tr>
<td>SM 60F</td>
<td>131 dB</td>
<td>99 dB</td>
<td>66 Hz – 24 kHz</td>
<td>1,600 W</td>
<td>20.6 x 20.6 x 16.3 in</td>
<td>50 lbs (22.7 kg)</td>
<td>60° x 60°</td>
</tr>
<tr>
<td>SM 60M</td>
<td>130 dB</td>
<td>100 dB</td>
<td>270 Hz – 15 kHz</td>
<td>500 W</td>
<td>20.6 x 20.6 x 16.3 in</td>
<td>45 lbs (20.4 kg)</td>
<td>60° x 60°</td>
</tr>
<tr>
<td>SM 96</td>
<td>130 dB</td>
<td>98 dB</td>
<td>55 Hz – 24 kHz</td>
<td>1,600 W</td>
<td>31.5 x 21 x 15.5 in</td>
<td>73 lbs (33.1 kg)</td>
<td>90° x 60°</td>
</tr>
<tr>
<td><strong>Synergy Horn - Monitors</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SH LPM</td>
<td>126 dB</td>
<td>95 dB</td>
<td>60 Hz – 20 kHz</td>
<td>600 W</td>
<td>13.6 x 21.5 x 18 in</td>
<td>41 lbs (18.6 kg)</td>
<td>110° conical</td>
</tr>
<tr>
<td>SH 100M</td>
<td>126 dB</td>
<td>95 dB</td>
<td>70 Hz – 20 kHz</td>
<td>600 W</td>
<td>13.5 x 20.7 x 16 in</td>
<td>41 lbs (18.6 kg)</td>
<td>110° conical</td>
</tr>
</tbody>
</table>
The JH-90 “Jericho Horn” is simply the most accurate powerful loudspeaker ever created. A single cabinet can produce quality audio well beyond 1000’ from a true full range point source housing; six 18” drivers, six - 6” mid range drivers and three 1.4” coaxial high frequency drivers.

Based on the required coverage distance, the Jericho Horn is available with or without Danley’s patent pending shaded amplitude lens technology.

**Specifications**

Coverage Pattern.............. 90° horizontal x 40° vertical (0° on axis, 40° down -6dB)
Operating Frequency Range......................... 47 Hz - 18 kHz +/- 3 dB
............................................................. 37Hz – 24 kHz -10 dB
Maximum Output......................... 148dBSPL Cont., 151 dBSPL Program

**Recommended Amplifier Power:**

LOWs: Quantity of six 4 ohm loads – either 6 x 2-3K watts @ 4 ohm or 3 x 4-6K watts @ 2 ohm amp channels

MIDS: Single 6.5 ohm load – 1200-2000 watts @ 4 ohms

MID Hi: Single 2.7 ohm load – 600-1200 watts @ 2 ohms

HIGH: Single 3 ohm load – 400-600 watts @ 2 ohms

**Recommended Processing**: DSL exclusive processor

**Drivers**

LF 6 x 18”, MF 6 x 6”, HF 3 x coaxial HF

**Input Connections**: 19-pin Male Socapex Lighting connector

**Enclosure Material**: 24mm Baltic Birch, polyurea coated

---

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>JH 90</td>
<td>150 dB</td>
<td>Band dependent</td>
<td>45 Hz – 18kHz</td>
<td>90° x 40°</td>
<td>See above</td>
<td>60” x 45” x 28”</td>
<td>720 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
The Genesis Horn incorporates 3 patent pending technologies: Synergy Horn, Paraline and Shaded Amplitude Lens. The box houses a total of 18 drivers utilizing 21 horizontal 20° downward vanes that provide even front-to-back coverage Line array performance from a single point source.

*Due to the Shaded Amplitude Lens, the GH-60 has 16 dB of gain on the furthest listener’s axis and all 45° of the vertical coverage is useable. This technology made possible by the Synergy Horn is certain to lead a paradigm shift in loudspeaker history.

**Specifications**

Coverage Pattern: 60° horizontal x 45° SA vertical*  
Operating Frequency Range: 90 Hz – 16 kHz  
Sensitivity @ 1M: 104 dBSPL  
Maximum Output: 133 dBSPL Cont., 139 dBSPL Program  
Input Power Ratings: 1400 W continuous, 2800 W program  
Nominal Impedance: 4 ohms  
Minimum Impedance: 3 ohms @ 2 kHz  
Recommended Processing: 80 Hz HP @ 24 dB/Butterworth  
Drivers: LF 8 x 6.5”, MF 8 x 4”, HF 2 x 1”  
Input Connections: 2-NL4MP  
Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>GH 60</td>
<td>139 dB</td>
<td>104 dB</td>
<td>90 – 16kHz</td>
<td>60° x 45° SA</td>
<td>2,800 W</td>
<td>48 x 30 x 23</td>
<td>199 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Powered version available
- Mounting brackets for array
- MB 50 Fly-ware
- Weatherized options available

© 2012 Danley Sound Labs. All Rights Reserved.
The SH-100 full range loudspeaker is a two-way Synergy Horn. When broader dispersion is needed this device handles the job flawlessly. It is an excellent choice for distributed systems due to its superior pattern control, frequency response and overall fidelity. Pole cup allows for portability and fits most tripods.

**Specifications**

- **Coverage Pattern**: 110° conical
- **Operating Frequency Range**: 70 Hz - 20 kHz +/- 3 dB
- **Sensitivity @ 1M**: 95 dB SPL (Measured as 2.83V input, 1M whole space)
- **Maximum Output**: 120 dB SPL Cont., 126 dB SPL Program
- **Input Power Ratings**: 300W continuous, 600W program
- **Nominal Impedance**: 8 ohms
- **Minimum Impedance**: 5 ohms @ 7 kHz
- **Recommended Processing**: 70 Hz HP @ 24 dB/Butterworth
- **Drivers**: 1 x 8” coaxial
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 100</td>
<td>126 dB</td>
<td>95 dB</td>
<td>70 Hz – 20 kHz</td>
<td>110° conical</td>
<td>600 W</td>
<td>20.5 x 20.5 x 9</td>
<td>45 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
The SH-100B gives you the additional power of a tapped horn wrapped around an SH-100. With the incredibly tight low end response one loudspeaker per side, with or without subwoofers, will do an amazing job of covering a substantial seating area. The touring version can easily be transported and set up by a one man crew.

**Specifications**

Coverage Pattern: 110° conical
Operating Frequency Range: 50 Hz - 17 kHz +/- 3 dB
Sensitivity @ 1M: 98 dBSPL (Measured as 2.83V input, 1M whole space)
Maximum Output: 124 dBSPL Cont., 130 dBSPL Program
Input Power Ratings: 800W continuous, 1600W program
Nominal Impedance: 4 ohms
Recommended Processing: 35 Hz HP @ 24 dB/Butterworth
Drivers: LF 4 x 8” Long excursion, 1 x 8” coaxial
Input Connections: 2-NL4MP
Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 100B</td>
<td>130 dB</td>
<td>98 dB</td>
<td>50 Hz – 17 kHz</td>
<td>110° conical</td>
<td>1,600 W</td>
<td>20.5 x 33.5 x 19</td>
<td>135 lbs</td>
</tr>
</tbody>
</table>

Accessories

- Powered version available
- U-Bracket & Swivel Adapter
- Weatherized options available
The SH-Mini is a full range compact loudspeaker designed for applications requiring wide coverage (100° conical). With its ultra compact size it also can be used as a very compact floor monitor with exceptional clarity. Integrated flypoints are standard and with the optional U bracket, flexible mounting options abound. The SH-Mini is ideal for applications such as under balcony, side, front, or down fill loudspeakers. The SH-Mini also makes an excellent loudspeaker for home theatre applications.

**Specifications**

Coverage Pattern ................................................................. 100° conical  
Operating Frequency Range ........................................... 125 Hz – 18 kHz +/- 3 dB  
.............................................................................................. 88 Hz – 20 kHz -10 dB  
Sensitivity @ 1M ................................................................. 88 dBSPL 
.............................................................................................. (Measured as 2.83V input, 1M whole space)  
Maximum Output ................................................................. 111 dBSPL Cont., 117 dBSPL Program  
Input Power Ratings ............................................................ 200 W continuous, 400 W program  
Nominal Impedance ............................................................ 8 ohms  
Minimum Impedance .......................................................... 5.2 ohms @ 206 kHz  
Recommended Processing ................................................. 100 Hz HP @ 24 dB/Butterworth  
Drivers ..................................................................................... 1 x 8” coaxial  
Input Connections ................................................................. 2-NL4MP  
Enclosure Material ............................................................... 13ply, 18mm Baltic Birch, polyurea coated

---

**Performance Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH Mini</td>
<td>117 dB</td>
<td>88 dB</td>
<td>125 Hz – 18 kHz</td>
<td>100° conical</td>
<td>400 W</td>
<td>10 x 10 x 10.5</td>
<td>22.5 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com
The SH-Micro is an ultra low profile Synergy Horn. Use it anywhere you need great audio in a loudspeaker package that is less than 7” tall.

Applications include under balcony fill and home theater mains or surrounds. Each cabinet houses 2 - 5.5” woofers and 1 – 4.5” full range loudspeaker.

**Specifications**

Coverage Pattern................................................................. 90° horizontal x 90° vertical/15° down angle
Operating Frequency Range.............................................. 100 Hz - 15 kHz +/- 3 dB
................................................................. 65 Hz – 16 kHz -10 dB
Sensitivity @ 1M ........................................................................................................... 92 dBSPL
(Measured as 2.83V input, 1M half space)
Maximum Output ................................................................. 113 dBSPL Cont., 119 dB SPL Program
Input Power Ratings ................................................................. 120 W continuous, 240 W program
Nominal Impedance ..................................................................................................... 8 ohms
Minimum Impedance .................................................................................................. 5.3 ohms @ 2500 Hz
Recommended Processing................................................................. 90 Hz HP @ 24 dB/Butterworth
Drivers ........................................................................................................................... LF 2 x 5.5”, Full range 1 x 4.5”
Input Connections ...................................................................................................... 2-NL4MP
Enclosure Material ................................................................. 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH Micro</td>
<td>119 dB</td>
<td>92 dB</td>
<td>100 Hz – 15 kHz</td>
<td>90° x 90°/15° DA</td>
<td>240 W</td>
<td>18 x 8 x 12.5</td>
<td>23 lbs</td>
</tr>
</tbody>
</table>
The SH-95 – high fidelity and sensitivity in a very compact enclosure. Perfect for down fill, front fill or delay applications. Add subs and you have amazing compact system with a highly requested 95° x 55° coverage pattern.

Pole cup allows for portability and fits most tripods. Available in both Touring and Install versions

*New* - now available in 4 or 16 ohm models.

**Specifications**

- **Coverage Pattern**: 95° horizontal x 55° vertical
- **Operating Frequency Range**: 91 Hz - 20 kHz +/- 6 dB
- **Sensitivity @ 1M**: 97 dB SPL (Measured as 2.83V input, 1M whole space)
- **Maximum Output**: 120 dB SPL Cont., 126 dB SPL Program
- **Input Power Ratings**: 400W continuous, 800W program
- **Nominal Impedance**: 4 ohms
- **Minimum Impedance**: 3 ohms
- **Recommended Processing**: 91 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 2 x 8”, HF 1 x 1”
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 95</td>
<td>126 dB</td>
<td>97 dB</td>
<td>91 Hz – 20 kHz</td>
<td>95° x 55°</td>
<td>800 W</td>
<td>24 x 14.5 x 15</td>
<td>58 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
Our SH 96 was initially designed as a request of commercial theatre; this 3-way powerhouse has 11 drivers in a single horn!

Unlike the flagship SH 50, which possesses a 50° x 50° beam width, the SH 96 has a much wider 90° x 60° beam width.

Available in both Touring and Install versions - touring version comes with handles and wheels to make it easily transportable.

**Specifications**

Coverage Pattern: 90° horizontal x 60° vertical

Operating Frequency Range: 50 Hz - 16 kHz +/- 3 dB

Sensitivity @ 1M: 101 dB SPL

(Measured as 2.83V input, 1M whole space)

Maximum Output: 133 dB SPL Cont., 139 dB SPL Program

Input Power Ratings: 1400 W continuous, 2800 program

Nominal Impedance: 8 ohms

Minimum Impedance: ohms

Recommended Processing: 40 Hz HP @ 24 dB/Butterworth

Drivers: LF 4 x 15”, MF 6 x 4”, HF 1 x 1.4”

Input Connections: 2-NL4MP

Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 96</td>
<td>139 dB</td>
<td>101 dB</td>
<td>50 – 16 kHz</td>
<td>90° x 60°</td>
<td>2,800 W</td>
<td>26.5 x 45 x 25</td>
<td>215 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Powered version available
- Weatherized options available

© 2012 Danley Sound Labs. All Rights Reserved.
The SH-64, a standalone solution which works anywhere great fidelity, low frequency pattern control and unrivaled Magnitude/phase response are required. For high SPL and low distortion sound reproduction. A 3-way powerhouse with 9 drivers in a single horn!

Available in both Touring and Install versions - touring version comes with handles and wheels to make it easily transportable.

**Specifications**

Coverage Pattern ........................................................ 60° horizontal x 40° vertical

Operating Frequency Range ........................................... 65 Hz – 16 kHz +/- 3 dB

Sensitivity @ 1M ........................................................... 103 dBSPL

(Measured as 2.83V input, 1M whole space)

Maximum Output .................................................... 135 dBSPL Cont., 141 dBSPL Program

Input Power Ratings .................................................. 1400 W continuous, 2800 W program

Nominal Impedance ................................................... 8 ohms

Minimum Impedance ................................................ 7.3 ohms @ 455 Hz

Recommended Processing ................................. 40 Hz HP @ 24 dB/Butterworth

Drivers .............................................................. LF 4 x 15", MF 4 x 4", HF 1 x 1.4"

Input Connections .................................................. 2-NL4MP

Enclosure Material ......................... 13ply, 18mm Baltic Birch, polyurea coated

**Performance Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 64</td>
<td>138 dB</td>
<td>103 dB</td>
<td>65 Hz – 16 kHz</td>
<td>60° x 40°</td>
<td>2,800 W</td>
<td>26.5 x 34 x 25</td>
<td>197 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Powered version available
- Weatherized options available
The SH-69 - A very flexible design offering seamless arrays in the 60° horizontal orientation and when rotated 90°, a 90 x 60 pattern - true full range performance in an overall compact design. A single box houses 2 - 12” woofers, 6 – 4” midrange and a 1” high frequency driver.

**Specifications**

Coverage Pattern: 60° horizontal x 90° vertical

Operating Frequency Range: 55 Hz - 18 kHz +/- 3 dB

Sensitivity @ 1M: 99 dBSPL

(Measured as 2.83V input, 1M whole space)

Maximum Output: 126 dBSPL Cont., 132 dBSPL Program

Input Power Ratings: 1000W continuous, 2000W program

Nominal Impedance: 4 ohms

Minimum Impedance: 3.5 ohms

Recommended Processing: 50 Hz HP @ 24 dB/Butterworth

Drivers: LF 2 x 12”, MF 6 x 4” HF 1 x 1”

Input Connections: 2-NL4MP

Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

---

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 69</td>
<td>132 dB</td>
<td>99 dB</td>
<td>55 Hz – 18 kHz</td>
<td>60° x 90°</td>
<td>2,000 W</td>
<td>34 x 21 x 17</td>
<td>116 lbs</td>
</tr>
</tbody>
</table>

---

**Accessories**

- Powered version available
- Mounting bracket for array
- MB 50 Fly-ware
- Speaker Cover
- Weatherized options available

---

© 2012 Danley Sound Labs. All Rights Reserved.
The SH-60 – a 60° version of our flagship SH-50 Synergy Horn featuring seamless arraying and true full range performance down to 50Hz along with great low frequency pattern control and high output. One box houses 2 - 12" drivers, 6 - 4" mids and a 1” high frequency driver.

Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

Specifications
Coverage Pattern......................................................... 60° horizontal x 60° vertical
Operating Frequency Range ............................................. 48 Hz - 18 kHz +/- 3 dB
.................................................................................. 41 Hz – 24 kHz -10 dB
Sensitivity @ 1M .......................................................... 100 dBSPL
(Measured as 2.83V input, 1M whole space)
Maximum Output .................................................. .127 dBSPL Cont., 133 dBSPL Program
Input Power Ratings .................................................. 1000W continuous, 2000W program
Nominal Impedance .................................................... 4 ohms
Minimum Impedance ................................................... 3.8 ohms @ 1220 Hz
Recommended Processing ........................................ 40 Hz HP @ 24 dB/Butterworth
Drivers ................................................................. LF 2 x 12", MF 6 x 4” HF 1 x 1”
Input Connections ...................................................... 2-NL4MP
Enclosure Material ................................................. 13ply, 18mm Baltic Birch, polyurea coated

SH60 Impedance
8/26/2009 5:03:32 PM

Accessories
Powered version available
Mounting brackets for array
MB 50 Fly-ware
60-OFW Outer Fly-ware
Speaker Cover
Weatherized options available

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 60</td>
<td>133 dB</td>
<td>100 dB</td>
<td>48 Hz – 18 kHz</td>
<td>60° x 60°</td>
<td>2,000 W</td>
<td>28 x 28 x 22</td>
<td>127 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
The SH-50 works anywhere great fidelity; low frequency pattern control and unrivaled Magnitude/phase response are required. It has the added benefit of truly modular array-ability. For high SPL and low distortion sound reproduction.

Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

**Specifications**

- **Coverage Pattern**: 50° horizontal x 50° vertical
- **Operating Frequency Range**: 50 Hz - 18 kHz +/- 3 dB
- **Sensitivity @ 1M**: 100 dBSPL (Measured as 2.83V input, 1M whole space)
- **Maximum Output**: 127 dBSPL Cont., 133 dBSPL Program
- **Input Power Ratings**: 1000W continuous, 2000W program
- **Nominal Impedance**: 4 ohms
- **Minimum Impedance**: 3.5 ohms @ 1 kHz
- **Recommended Processing**: 40 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 2 x 12", MF 4 x 5" HF 1 x 1"
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 50</td>
<td>133 dB</td>
<td>100 dB</td>
<td>50 Hz – 18 kHz</td>
<td>50° x 50°</td>
<td>2,000 W</td>
<td>28 x 28 x 25.5</td>
<td>133 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Powered version available
- Mounting brackets for array
- MB 50 Fly-ware
- 50-OFW Outer Fly-ware
- Speaker Cover
- Weatherized options available
The SH-DFA is an asymmetrical full range horn designed to seamlessly integrate with the SH-50. The SH-DFA fits the exact footprint of the SH-50 and is only 13" high. The coverage pattern of (50° x 100°) x 50°; while still maintaining considerable pattern control due to its depth makes this a very unique problem solving product.

Give the front row the quality they deserve.

**Specifications**
- **Coverage Pattern**: 50° x 100° H asymmetric x 50° V
- **Operating Frequency Range**: 350 Hz - 18 kHz +/- 3 dB
- **Sensitivity @ 1M**: 96 dB SPL (Measured as 2.83V input, 1M whole space)
- **Maximum Output**: 122 dBSPL Cont., 128 dBSPL Program
- **Input Power Ratings**: 400W continuous, 800W program
- **Nominal Impedance**: 8 ohms
- **Recommended Processing**: 70 Hz HP @ 24 dB/Butterworth
- **Drivers**: LF 1 x 10", HF 1 x 1"
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH DFA</td>
<td>128 dB</td>
<td>96 dB</td>
<td>350Hz – 18kHz</td>
<td>(50°x100°) x 50°</td>
<td>800 W</td>
<td>12 x 28 x 25.5</td>
<td>69 lbs</td>
</tr>
</tbody>
</table>
The SH-46 works anywhere great fidelity, pattern control and unrivaled Magnitude/phase response are required. It has the added benefit of truly modular array-ability. For high SPL and low distortion sound reproduction.

Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

**Specifications**

- Coverage Pattern: 40° horizontal x 60° vertical
- Operating Frequency Range: 71 Hz – 14.5 kHz +/- 3 dB
- Sensitivity @ 1M: 106 dBSPL (Measured as 2.83V input, 1M whole space)
- Maximum Output: 135 dBSPL Cont., 141 dBSPL Program
- Input Power Ratings: 1400W continuous, 2800W program
- Nominal Impedance: 4 ohms
- Minimum Impedance: 3.4 ohms @ 810 Hz
- Recommended Processing: 60 Hz HP @ 24 dB/Butterworth
- Drivers: LF 2 x 12", MF 4 x 4", HF 1 x 1.4"
- Input Connections: 2-NL4MP
- Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 46</td>
<td>141 dB</td>
<td>106 dB</td>
<td>58 Hz – 16 kHz</td>
<td>40° x 60°</td>
<td>2,800 W</td>
<td>29 x 22.3 x 22.7</td>
<td>118 lbs</td>
</tr>
</tbody>
</table>

**Accessories**

- Powered version available
- Mounting brackets for array
- MB 50 Fly-ware
- 46-OFW Outer Fly-ware
- Speaker Cover
- Weatherized options available

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com
The SH-25 is ideal where great fidelity, high output and pattern control are required in both horizontal and vertical arrays. With a coverage pattern of 25° x 25°, this Hi-Q box was designed for long-throw applications. A single SH-25 has a frequency response of 90 Hz – 18 kHz, and four in an array will extend the low frequency down to 50 Hz. Driver compliment is 8 - 6.5” woofers, 4 - 4” midrange, and 1 - 1” high frequency.

### Specifications

**Coverage Pattern**
- 25° horizontal x 25° vertical

**Operating Frequency Range**
- 90 Hz – 18 kHz +/- 3 dB
- 70 Hz – 20 kHz -10 dB

**Sensitivity @ 1M**
- 110 dB SPL

**Maximum Output**
- 137 dB SPL Cont., 143 dB SPL Program

**Input Power Ratings**
- 1000W continuous, 2000W Program

**Nominal Impedance**
- 4 ohms

**Recommended Processing**
- 70 Hz HP @ 24 dB/Butterworth

**Drivers**
- LF 8 x 6.5”, MF 4 x 4”, HF 1 x 1”

**Input Connections**
- 2-NL4MP

**Enclosure Material**
- 13ply, 18mm Baltic Birch, polyurea coated

### PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH 25</td>
<td>143 dB</td>
<td>110 dB</td>
<td>90Hz – 18kHz</td>
<td>25° x 25°</td>
<td>2,000 W</td>
<td>28 x 28 x 50.7</td>
<td>176 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
The SM-60F combines great fidelity, low frequency pattern control and unrivaled Magnitude/phase response into an ultra-compact enclosure. It has the added benefit of truly modular array-ability.

Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

**Specifications**

Coverage Pattern ......................................................... 60° horizontal x 60° vertical
Operating Frequency Range ............................................. 66 Hz – 24 kHz +/- 4 dB
.............................................................................. 52 Hz – 26 kHz -10 dB
Sensitivity @ 1M ......................................................... 99 dBSPL
.............................................................................. (Measured as 2.83V input, 1M whole space)
Maximum Output ...................................................... 125 dBSPL Cont., 131 dBSPL Program
Input Power Ratings ................................................. 800W continuous, 1600W program
Nominal Impedance ....................................................... 4 ohms
Minimum Impedance .................................................... 3.4 ohms @ 150 Hz
Recommended Processing ......................................... 50 Hz HP @ 24 dB/Butterworth
Drivers ................................................................. LF 2 x 8", MHF 1 x 5” Coaxial
Input Connections ....................................................... 2-NL4MP
Enclosure Material ..................................................... 13ply, 18mm Baltic Birch, polyurea coated

**Performance Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM 60F</td>
<td>131 dB</td>
<td>99 dB</td>
<td>66 Hz – 24 kHz</td>
<td>60° x 60°</td>
<td>1,600 W</td>
<td>20.6 x 20.6 x 16.3</td>
<td>50 lbs</td>
</tr>
</tbody>
</table>

**SM-60F**

Synergy Horn Performance in an Ultra-Compact Box

**Accessories**

- Powered version available
- Mounting brackets for array
- MB 50 Fly-ware
- Speaker Cover
- Weatherized options available
Similar to its brother (SM-60F), the SM-60M combines great fidelity, low frequency pattern control and unrivaled Magnitude/phase response into an ultra-compact enclosure. Perfect for mains with bass arrays, fills and distributed audio applications.

Same box as the SM-60F with the following differences: Only available in install version, less power requirements and no low frequency drivers.

**Specifications**

Coverage Pattern: 60° horizontal x 60° vertical

Operating Frequency Range: 270 Hz - 15 kHz +/- 3 dB

Sensitivity @ 1M: 100 dBSPL

(Measured as 2.83V input, 1M whole space)

Maximum Output: 124 dBSPL Cont., 130 dBSPL Program

Input Power Ratings: 250W continuous, 500W program

Nominal Impedance: 8 ohms

Minimum Impedance: 5 ohms @ 11 kHz

Recommended Processing: 200 Hz HP @ 24 dB/Butterworth

Drivers: 1 x 5" Coaxial

Input Connections: 2-NL4MP

Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

---

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM 60M</td>
<td>130 dB</td>
<td>100 dB</td>
<td>270 Hz – 15 kHz</td>
<td>60° x 60°</td>
<td>500 W</td>
<td>20.6 x 20.6 x 16.3</td>
<td>45 lbs</td>
</tr>
</tbody>
</table>
The SM-96 combines great fidelity, low frequency pattern control and unrivaled Magnitude/phase response into an ultra-compact enclosure. It has the added benefit of truly modular array-ability.

Available in both Touring and Install versions - touring version comes with handles to make it easily transportable and pole cup allows for portability and fits most tripods.

**Specifications**

Coverage Pattern: 90° horizontal x 60° vertical

Operating Frequency Range: 55 Hz - 24 kHz +/- 3 dB

Sensitivity @ 1M: 98 dBSPL (Measured as 2.83V input, 1M whole space)

Maximum Output: 124 dBSPL Cont., 130 dBSPL Program

Input Power Ratings: 800W continuous, 1600W program

Nominal Impedance: 4 ohms

Minimum Impedance: 3.4 ohms @ 137 Hz

Recommended Processing: 55 Hz HP @ 24 dB/Butterworth

Drivers: LF 2 x 8", MHF 1 x 5" Coaxial

Input Connections: 2-NL4MP

Enclosure Material: 13ply, 18mm Baltic Birch, polyurea coated

---

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM 96</td>
<td>130 dB</td>
<td>98 dB</td>
<td>55 Hz – 24 kHz</td>
<td>90° x 60°</td>
<td>1,600 W</td>
<td>31.5 x 21 x 15.5</td>
<td>73 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.

www.danleysoundlabs.com
The SH-LPM is a wide dispersion fully horn-loaded monitor loudspeaker. Due to the large horn mouth the SH-LPM offers substantial directivity with front to back rejection and high gain before feedback. High frequencies are very smooth throughout the coverage pattern and are not beamy. Applications include anywhere wide coverage with high directivity is desired. With its combination of performance, clarity, low profile aesthetics and waterproof grill the SH-LPM sets a new benchmark in floor monitor loudspeakers.

**Specifications**

- **Coverage Pattern**: 110° conical
- **Operating Frequency Range**: 60 Hz - 20 kHz +/- 3 dB (down to 52 Hz – 24 kHz -10 dB)
- **Sensitivity @ 1M**: 95 dBSPL (Measured as 2.83V input, 1M half space)
- **Maximum Output**: 120 dBSPL Cont., 126 dBSPL Program
- **Input Power Ratings**: 300W continuous, 600W program
- **Nominal Impedance**: 8 ohms
- **Minimum Impedance**: 6 ohms @ 8 kHz
- **Recommended Processing**: 60 Hz HP @ 24 dB/Butterworth
- **Drivers**: Single 8” coaxial
- **Input Connections**: 4-NL4MP (2 per side)
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH LPM</td>
<td>126 dB</td>
<td>95 dB</td>
<td>60 Hz – 20 kHz</td>
<td>110° conical</td>
<td>600 W</td>
<td>13.6 x 21.5 x 18</td>
<td>41 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
The SH-100M is a wedge style monitor that offers wide dispersion with front to back rejection and high gain before feedback. Accuracy, Fidelity and Economy; great things come in three’s!

**Specifications**

- **Coverage Pattern**: 110° conical
- **Operating Frequency Range**: 70 Hz - 20 kHz +/- 3 dB
- **Sensitivity @ 1M**: 95 dB SPL (Measured as 2.83V input, 1M half space)
- **Maximum Output**: 120 dB SPL Cont., 126 dB SPL Program
- **Input Power Ratings**: 300W continuous, 600W program
- **Nominal Impedance**: 8 ohms
- **Minimum Impedance**: 5 ohms @ 7 kHz
- **Recommended Processing**: 70 Hz HP @ 24 dB/Butterworth
- **Drivers**: Single 8” coaxial
- **Input Connections**: 2-NL4MP
- **Enclosure Material**: 13ply, 18mm Baltic Birch, polyurea coated

### PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Max SPL</th>
<th>Sensitivity</th>
<th>Magnitude Response</th>
<th>Beam Width</th>
<th>Power Rating</th>
<th>Dimensions (in.)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH100M</td>
<td>126 dB</td>
<td>95 dB</td>
<td>70 Hz – 20 kHz</td>
<td>110° conical</td>
<td>600 W</td>
<td>20.5 x 20.5 x 12</td>
<td>41 lbs</td>
</tr>
</tbody>
</table>

© 2012 Danley Sound Labs. All Rights Reserved.
www.danleysoundlabs.com
DSL DSP Series *(available in black faceplate only)*

The Danley DSLP48 series digital loudspeaker management system is loaded with functions. With its powerful performance and price point it is the first choice among sound engineers and contractors.

- 4 x 8 in out configuration
- Precise DSP Algorithms
- High performance audio convertors
- 8 Bands PEQ per channel
- Phase Correction
- Built in Ethernet connectivity
- Crossovers, Compressors, Limiter, Delay
- 31 Band 1/3 Octave GEQ per input

**Connectors**
- Analog: 3-pin XLR
- RS-232: Female DB-9
- USB: Type B
- Ethernet: Standard CAT-5
- Power: Standard IEC Socket

**General**
- Power: 90-265 VAC (50/60Hz)
- Dimensions: 19”x1.75”x9” (483x44x229mm)
- Weight: 10 lbs / 4.6 kg

**Inputs/Outputs**
- Input Impedance: >10k Ohms
- Output Impedance: 50 Ohms
- Maximum Level: +20dBu
- Type: Electronically balanced

**Audio Performance**
- Freq Response: +/- 0.1dB (20 to 30kHz)
- Dynamic Range: 115dB typ. (un-weighted)
- CMMR: > 100dB (50 to 10kHz)
- Crosstalk: < -100dB
- Distortion: 0.002% (1kHz @+4dBu)

DSL Series Rack Mount Amps *(available in black faceplate only)*

Designed with touring sound professionals in mind, the DSLA Series power amplifiers faithfully produce high power with low distortion in an extremely lightweight economical package. Rock stable in stereo or bridged mode operation this series is engineered to exceed expectations, when powering multiple or single loudspeaker enclosures down to a 2 ohm load.

- Dramatically reduced net weight (21.8 lbs, 10 kg)
- Latest generation of high speed, wide-bandwidth output devices
- Twin-tunnel cooling with back-to-front air flow
- Dual, rear-mounted, continuous variable-speed fans
- Balanced ¼” and female XLR inputs with sensitivity selection
- Speakon® and five-way binding post output connectors
- Front panel circuit breaker switch
- 19” W x 3.5” H x 12.25” D (483 mm x 89 mm x 312 mm)
- Five-year warranty

<table>
<thead>
<tr>
<th>Model No.</th>
<th>@ 8 Ohms</th>
<th>@ 4 Ohms</th>
<th>@ 2 Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSLA 1.7k</td>
<td>290 W</td>
<td>525 W</td>
<td>850 W</td>
</tr>
<tr>
<td>DSLA 3.3k</td>
<td>590 W</td>
<td>1,000 W</td>
<td>1,650 W</td>
</tr>
<tr>
<td>DSLA 4.5k</td>
<td>825 W</td>
<td>1,450 W</td>
<td>2,250 W</td>
</tr>
<tr>
<td>DSLA 6.5k</td>
<td>1,300 W</td>
<td>2,200 W</td>
<td>3,250 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Normal 2 channel</th>
<th>Bridged Mono Power</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>@ 8 Ohms</td>
<td>@ 4 Ohms</td>
</tr>
<tr>
<td>DSLA 1.7k</td>
<td>1,050 W</td>
<td>1,700 W</td>
</tr>
<tr>
<td>DSLA 3.3k</td>
<td>2,000 W</td>
<td>3,300 W</td>
</tr>
<tr>
<td>DSLA 4.5k</td>
<td>2,900 W</td>
<td>4,500 W</td>
</tr>
<tr>
<td>DSLA 6.5k</td>
<td>4,400 W</td>
<td>6,500 W</td>
</tr>
</tbody>
</table>
Array Brackets:
(for all “array-able” products)

<table>
<thead>
<tr>
<th>Product</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH69</td>
<td>MBA-69</td>
</tr>
<tr>
<td>SH60</td>
<td>MBA-60</td>
</tr>
<tr>
<td>SH50</td>
<td>MBA-50</td>
</tr>
<tr>
<td>SH46</td>
<td>MBA-46</td>
</tr>
<tr>
<td>SM60F</td>
<td>MBA-60F</td>
</tr>
<tr>
<td>SM60M</td>
<td>MBA-60M</td>
</tr>
</tbody>
</table>

Outer Fly-Ware (OFW)

<table>
<thead>
<tr>
<th>Product</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH69</td>
<td>69-OFW</td>
</tr>
<tr>
<td>SH60</td>
<td>60-OFW</td>
</tr>
<tr>
<td>SH50</td>
<td>50-OFW</td>
</tr>
<tr>
<td>SH46</td>
<td>46-OFW</td>
</tr>
<tr>
<td>JH90</td>
<td>JH90-OFW</td>
</tr>
</tbody>
</table>

Touring covers:

<table>
<thead>
<tr>
<th>Product</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH100</td>
<td>C-100</td>
</tr>
<tr>
<td>SH69</td>
<td>C-69</td>
</tr>
<tr>
<td>SH60</td>
<td>C-60</td>
</tr>
<tr>
<td>SH50</td>
<td>C-50</td>
</tr>
<tr>
<td>SH46</td>
<td>C-46</td>
</tr>
<tr>
<td>SM60F</td>
<td>C-60F</td>
</tr>
<tr>
<td>TH412</td>
<td>C-412</td>
</tr>
<tr>
<td>TH215</td>
<td>C-215</td>
</tr>
<tr>
<td>TH212</td>
<td>C-212</td>
</tr>
<tr>
<td>TH115</td>
<td>C-115</td>
</tr>
<tr>
<td>THMINI</td>
<td>C-MINI</td>
</tr>
<tr>
<td>CS30</td>
<td>C-30</td>
</tr>
</tbody>
</table>
MB 50 Fly-ware Compatible with:
SH50, SH46, SH60, SH69, SM60F, SM60M & GH60

Mounting Brackets & Adapters

<table>
<thead>
<tr>
<th>Product</th>
<th>Bracket #</th>
<th>Adapter #</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH-100</td>
<td>BRKT-100</td>
<td>ADPT-100</td>
</tr>
<tr>
<td>SH-100B</td>
<td>BRKT-100B</td>
<td>ADPT-100B</td>
</tr>
<tr>
<td>SH-95</td>
<td>BRKT-95</td>
<td>ADPT-95</td>
</tr>
<tr>
<td>SH-MINI</td>
<td>BRKT-MINI</td>
<td>ADPT-MINI</td>
</tr>
<tr>
<td>SH-MICRO</td>
<td>BRKT-MICRO</td>
<td>ADPT-MICRO</td>
</tr>
</tbody>
</table>

Mounting adapters enable U-Brackets to be connected via schedule 40 pipe to Chief Mfg. ceiling mounts. *Chief products must be purchased from a Chief dealer. [www.chiefmfg.com](http://www.chiefmfg.com)

Chief CMA395*
Angled Ceiling Plate

Chief CMA360*
I-Beam Clamp
(Use with ADPT adapters)

Weatherization Including Fiberglas Available for All DSL Loudspeakers & Subwoofers
WHERE TO BUY - DANLEY SOUND LABS PRODUCTS / WARRANTY STATEMENT

Danley products are represented and sold through a network of key representatives and approved dealers in the US and abroad. For international inquiries other than Canada, please contact our corporate office at: international@danleysoundlabs.com

Danley Sound Labs – Corporate Office
2196 Hilton Drive, Suite G, Gainesville, GA. 30501
Phone (770)535-0204 or (877)419-5805
Fax (678)928-4010
Email: USAsales@danleysoundlabs.com

US & Canada Representatives:

Light Green (Northwest, Alaska & Hawaii): Ellison Northwest www.enw.cc P: (253)564-7209 F: (253)276-0007
Tan (S. CA / S. NV): Ask Sales & Representation Inc fader@pacbell.net P: 818-913-2771
Teal (Rockies, Arizona, New Mexico): Darby & Associates www.darbyreps.com P: (303) 232-2954 F: (303) 416-8721
Yellow (Midwest North): Ludwig Marketing – don@ludwigmkt.com P: 847-778-0186
Orange (Midwest Central): Ludwig Marketing – don@ludwigmkt.com P: 847-778-0186
Brown (Midwest South): JMS Marketing, Inc www.jmsmarketing.com P: (512)266-1113 F: (512)266-9002
Red (Michigan): CM Sales, Inc caseymcwilliams@aol.com P: (313)520-9300
Purple (Ohio Valley): AVCOM Inc www.avcomcle.com P: (440)777-2442 F: (440) 777-9282
Dark Green (Southeast): Henry W. Phillips Co. www.hwpcos.com P: (800)877-3070 F: (678)866-0512
Lavendar (Florida): Bencsik Associates www.bencsik.com P: (800)342-0197 F: (352)867-8691
Pink (North Mid Atlantic / NYC): Lienau AV Associates www.lienauav.com P: (410)995-6011 F: (410)995-6013
Canada: Mitek Canada www.mitekcanada.com P: (604)607-4595

Warranty on Danley Commercial Audio Products

Danley Sound Labs Inc. (Danley) products are designed and manufactured in the USA with great detail for defect free performance. Danley offers the following Warranty which covers product directly purchased from dealers in the 50 US States and Canada and only applies when product has been installed and operated under normally accepted standards. Warranty Covers Product Against Defects in Material or Workmanship for 5 Years. The warranty period starts on the date of purchase from an authorized Danley dealer.

Coverage: Danley will repair or replace the product and or defective portion of said product by this warranty if it becomes defective, malfunctions or otherwise fails to conform under normal use and service during the term of this warranty without charge for labor or materials. Repairs may be performed using new or refurbished parts that meet or exceed Danley specifications for new parts. If Danley elects to replace the product, the replacement may be a reconditioned unit. Buyer will be responsible for any removal or reinstallation charges and for any shipping charges if the product must be shipped for warranty service. However, Danley will pay the return shipping charges provided the destination is with the warranted area. This warranty does not cover damage, deterioration (due to corrosive environment) or malfunction resulting from accident, negligence, misuse, abuse, improper installation or operation, repair or attempted repair by someone other than a authorized Danley service tech, any product with altered serial number, damage due to power line surge or related electrical abnormalities, improper grounding, lightning damage or acts of God, damage during shipment (claims must be presented to the carrier). This warranty only covers original end-user purchaser.

To Obtain Warranty Service: please contact your authorized dealer or sound contractor for instructions for warranty claims or contact Danley directly at warranty@danleysoundlabs.com. Product requiring shipping should be packed securely and include explanation of problem along with a copy of original bill of sale. No products shipped will be accepted unless prepaid or prior agreement with Danley has been arranged. All returns must be accompanied by a Return Authorization Number. If any returned product is found ineligible, the cost of repairs will be forwarded to owner and product repaired and returned to buyer upon payment received by Danley.

© 2012 Danley Sound Labs. All Rights Reserved. www.danleysoundlabs.com