

### Features



- \* **Better bass definition and musicality compared to bass reflex loudspeaker due to the better pulse response.**
- \* **Higher acoustic capacity in relation to the size compared to frontloaded bass reflex cabinets.**
- \* **Very low thermal compression due to the high efficiency and two 100mm voice coils with forced air cooling systems.**
- \* **Easier load for the amplifier due to the small impedance variations and thereby it reduces the power requirements.**



### Description

1. The Ultima Bass-170 is designed accordingly to the PWL (Precision Wave Line) principle which is developed by ourselves. It works as a transmission line and a quarter wave pipe. During the first half way the PWL acts as a transmission line for the loudspeaker unit, with a minimum of reflections. After that it acts stationary as a quarter wave pipe. The speaker's lowest register is reproduced by the opening, which results in a significant damping of the cones movement.

The PWL requires a thorough planned design and a high-precision manufacturing for a successful result.

2. The two 38cm transducers' characteristics and parameters are optimized according to the PWL principle. Each transducer can handle 1300W AES and a weight of only 7,4kg.

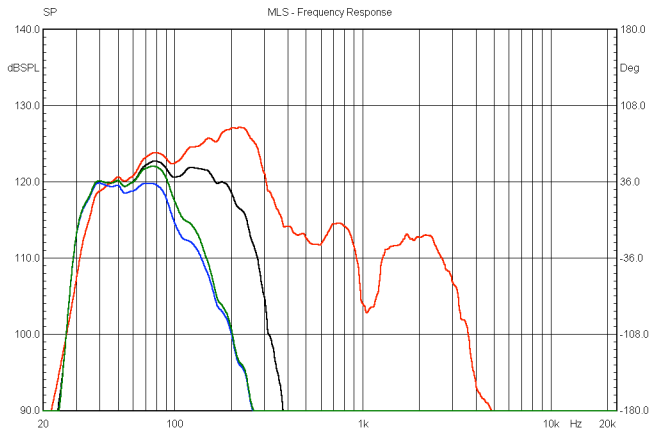
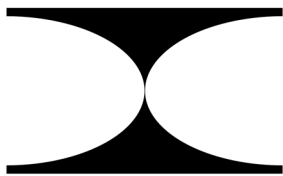
3. The enclosures are built of braced 15mm and 21mm selected birch plywood. The braces are carefully placed depending on material thickness and shape of the cabinet walls, so that the panel resonances raises to frequencies higher than the loudspeaker's operating range.

The transducers are covered by a black powder-coated 2mm thick steel grille with a 5mm thick foam on the back.

The enclosures are equipped with two handles och four wheels.

### Application

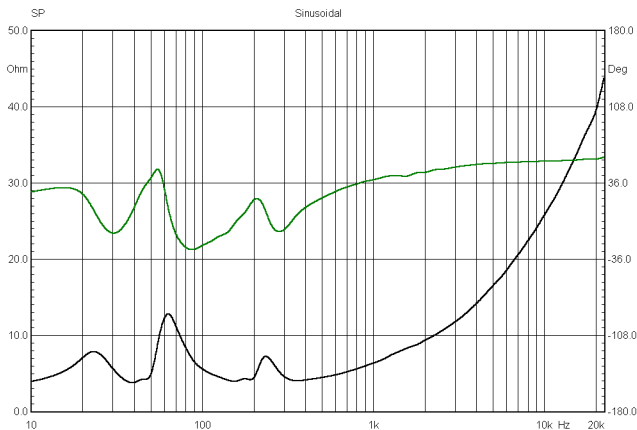
The Ultima Bass-170 is intended to both orchestras and sound companies for touring as well as for high performance permanent installations in clubs, theatres, concert halls, arenas and ships.



RED= Without filtering  
 BLACK= Lo-Pass: 200 Hz, Lnk-Ril: 24 dB/Oct, Preset EQ  
 GREEN= Lo-Pass: 100 Hz, Butter: 24 dB/Oct, Preset EQ  
 BLUE= Lo-Pass: 100 Hz, Lnk-Ril: 24 dB/Oct, Preset EQ

## Specifications

Components:	2x38 cm Transducers
Frequency response -Hz -6dB, half space:	37-300
Frequency response -with preset EQ:	32-300
Recommended filtering	
-Lowpass:	< 200 Hz
-Highpass:	30 Hz, Butter, 24 dB/Oct
Impedance Ohms, nom:	4
Recommended amplifier power:	2600 W @ 4 Ohm
Sensitivity dB/w/m average, half space:	101
Maximum SPL dB Program/Peak:	131/135
Connectors (in and trough):	2x NL-4MPR SPEAKON
Width:	564 mm
Height:	600 mm
Depth:	715 mm, without wheels 843 mm, with wheels
Volume gross:	238 l
Weight:	47 kg



GREEN= Phase Angle  
 BLACK= Impedance