



Features

- * It can be used as a single point source box with a disperison of 120x30 degrees.
- * It can be used in clusters with minimum interference problems due to the unique treble solution.
- * It can be used as both vertical and horizontal line-arrays.
- * Easy rigging: Only 3 quickrelease pins per cabinet.
- * Very low weight compared to the height of the line-array: 88 kg/m.
- * Superior sound quality with 10 times lower distortion than the highest quality compresson driver systems.



Description

Today there are mainly two principles for PA-speakers:

- 1. The point-source, often trapezoid shaped
- 2. Line-array systems

The principles are complements to each other and the rental companies will need both systems, usually meaning a low usuage level which equals a low profit. The point-source usually has interference-problems during clustering. The line-array usually has sound quality problems due to compromises regarding the horn-flare and the long throats for the treble section among others.

We felt that the market needed a loudspeaker system that can be used both as a point-source system in clusters as well as a line-array system in both vertical and horizontal planes with no compromises.

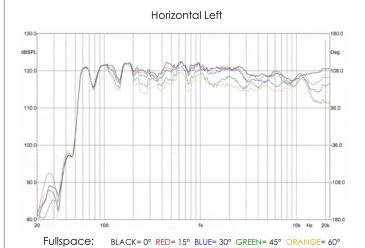
In order to achieve this, we have made the following solutions among others:

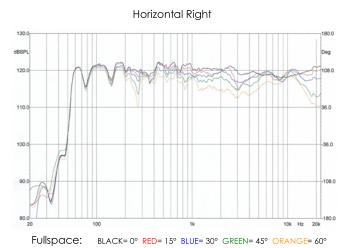
1. The unique treble solution that is patended is bendable from 0 - 30 degrees. It is bent as a part of a perfect circle and this get an excellent coherence.

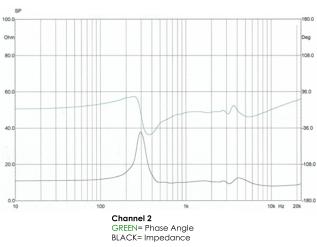
- 2. The enclosures are of visco-elastic damped rigid aluminiumalloy construction that make 22% less gross volume and 40% lower weight compared to common construction line-array using their separate wood cabinet-metal frame system. The panel resonances are much smaller compared to common plywood cabinets that make better middle range definition.
- 3. Compared to the size the bass capacity is very high because the cabinet is tuned to 50Hz and the two 10" transducers have an unusual long linear excursion of +- 7mm. These transducers that are developed by ourselves have the highest sound quality.
- 4. The design with the treble unit next to the middle range wave-guide made it possible to optimize the flanges of the wave-guides with no compromizes conserning dispersion and frequency response. However it requires a thorough design of the crossover filter, therefore we developed a passive temperature stable filter with 80dB/oct slopes that fulfil our demands.



2x26cm LF, 2x17cm MF, 1x36cm HF







Specifications

Components:

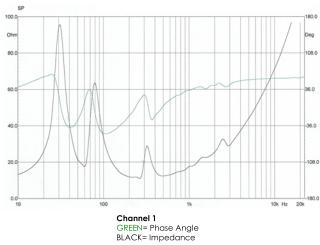
Volume gross:

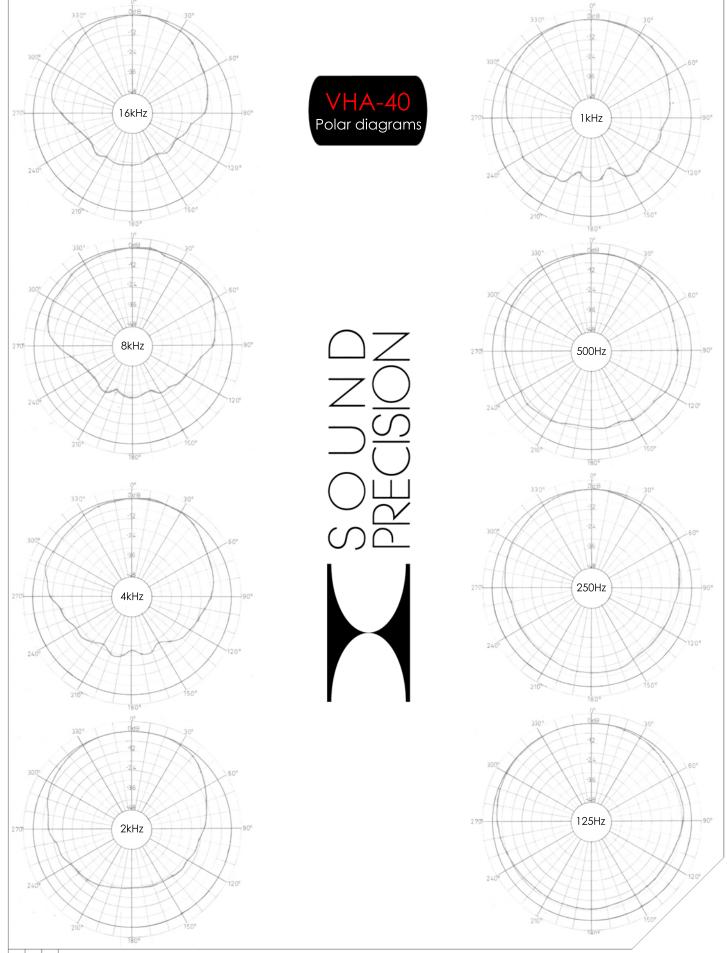
Weight:

| | | 3-way biamped fullrange speaker with passive x-over mid-treble |
|---|-------------------------------------|--|
| | Frequency response -with preset EQ: | 50-22000 Hz |
| | | |
| | Recommended filtering | |
| | -Lowpass: | < 16000 Hz |
| 0 | -Highpass: | 45 Hz, Butter, 24 dB/Oct |
| | | |
| | Dispersion: | 50°+70° horizontally |
| 0 | | |
| | | |
| | Impedance Ohms, nom: | 12+12 |
| | Recommended amplifier power: | 1600 W LF, 800-1300 W MF-HF @ 8Ω 1600-2600 W MF-HF@ 4Ω |
| | Sensitivity dB/w/m average, half | |
| | space: | 100 LF, 107 MF-HF |
| | | |
|) | Maximum SPL dB Program/Peak: | 131/135 |
| | | |
|) | Connectors (in and trough): | 2x NL-4MPR SPEAKON |
| | | |
| | AAP allie for Programme As | 5/5 |
| | Width (as line-array): | 565 mm |
| | Height (as line-array): | 365 mm |
| | Depth (as line-array): | 392 mm |

56 I

32 kg





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