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ceramic drivers - carefully made in Germany by Thiel & Partner GmbH, D-50259 Pulheim

ACCUTON C²92-6

item number: #C92-6/38/16/2-6F120/34-R32



Closed box type of our 180 mm bass midrange driver with concave ceramic dome of 130 mm diameter. High loss rubber surround and aluminum voice coil former. Perfect choice for 2-way systems as bass-midrange driver or high quality 3-way systems as bass unit. Very high resolution and very good dispersion up to 4 kHz.

The ultra hard ceramic dome material moves like a piston within the linear frequency band of 29 Hz to 4.0 kHz. The high internal sound velocity leads to very low distortion and virtually no coloration.

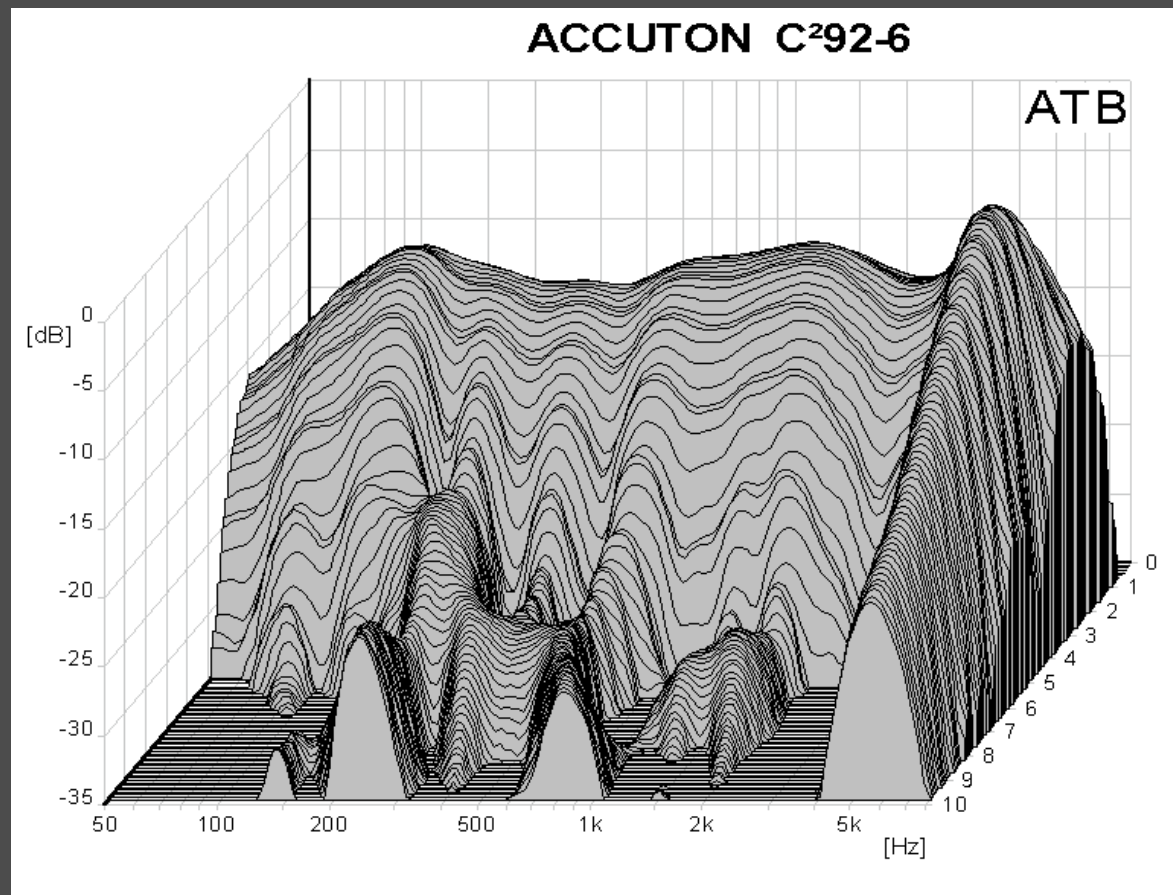


recommended frequency range: 30 Hz - 4 kHz

recommended enclosure: 15 - 20 l closed box

| Thiele/Small Parameters: | | | |
|--------------------------|------|------|--------------------|
| sensitivity | E | 86.7 | dB |
| DC-resistance | R | 6.2 | Ohm |
| resonance frequency | fres | 29 | Hz |
| equivalent vol. of air | Vas | 54.8 | l |
| mechanical Q | Qms | 1.44 | |
| electrical Q | Qes | 0.59 | |
| total Q | Qts | 0.42 | |
| effective piston area | S | 133 | cm ² |
| moving mass | Mms | 13.8 | g |
| suspension compl. | Cms | 2.18 | mm/N |
| mechanical resistance | Rms | 1.75 | kg/s ⁻¹ |

| Voice coil / Magnet Data: | | | |
|---------------------------|------|------|------------------|
| power handling | P | 130 | Watt |
| voice coil diameter | D | 38 | mm |
| voice coil former | | Al | |
| voice coil height | h | 14 | mm |
| number of layers | | 1 | |
| voice coil inductance | Lbm | 0.2 | mH |
| pole plate thickness | | 6.0 | mm |
| linear excursion | Xmax | ±4.0 | mm |
| flux density | B | 1.2 | T |
| force factor | BL | 5.1 | NA ⁻¹ |
| ferrofluid filling | | no | |



Spectral decay (waterfall) plot with Z-axis in periods. Signal is 6 Volt cosine burst with a length of 5 periods.
Some irregularities at 300 Hz and 900 Hz due to reflections in the measuring room

| Mechanical Dimensions: | | |
|------------------------|-----|----|
| Outer Dimensions | 180 | mm |
| Cutout Dimensions | 148 | mm |
| Frontplate Thickness | 5,0 | mm |
| Overall Depth | 108 | mm |
| Mounting hole diameter | 4.5 | mm |
| Mounting hole circle | 168 | mm |

| Shipping information: | | |
|------------------------|----------------|-----|
| net weight / piece | 2450 | g |
| gross weight / pair | 5.0 | kg |
| box size / pair | 19 x 19 x 30 | cm |
| quantity shipping unit | 12 | pcs |
| weight shipping unit | 31.5 | kg |
| size shipping unit | 60 x 40.5 x 32 | cm |

Click below for more technical information:

» [C²92-6 ATB measurements - PDF-17 KByte](#)

opens a PDF file with ATB measurements of amplitude, on axis and 30 degrees, impedance, step response, K2 and K3 distortion. Measurements made by Bernhard Thiel with IEC norm baffle. You will need Adobe Acrobat 4.0 to view this file.

» [C²92-6 MLSSA measurements - 24 KByte](#)

opens new page with MLSSA measurements made by Dipl.Ing. Bernd Timmermanns, former chief editor of "Klang & Ton", now chief editor of "Hobby Hifi", the German speaker builder magazine. Measurements include amplitude (SPL), impedance, step response and spectral decay plot (waterfall diagram).

» [C²92-6 - 15 l closed box simulation - PDF-34 KByte](#)

opens a PDF file with an enclosure simulation made with BassBoxPro. You will need Adobe Acrobat Reader 4.0 to view this file.

» [C²92-6 technical drawing - PDF-65 KByte](#)

opens a PDF file with technical drawing of this driver. You will need Adobe Acrobat Reader 4.0 to view this file.

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