

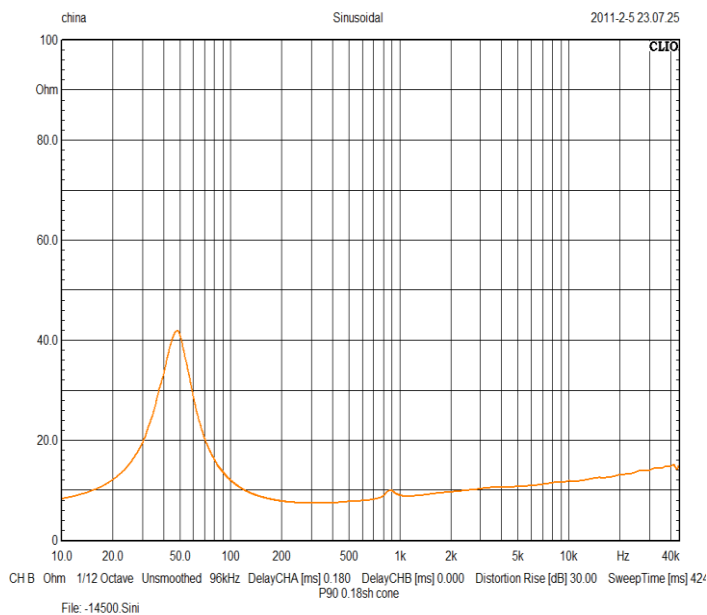
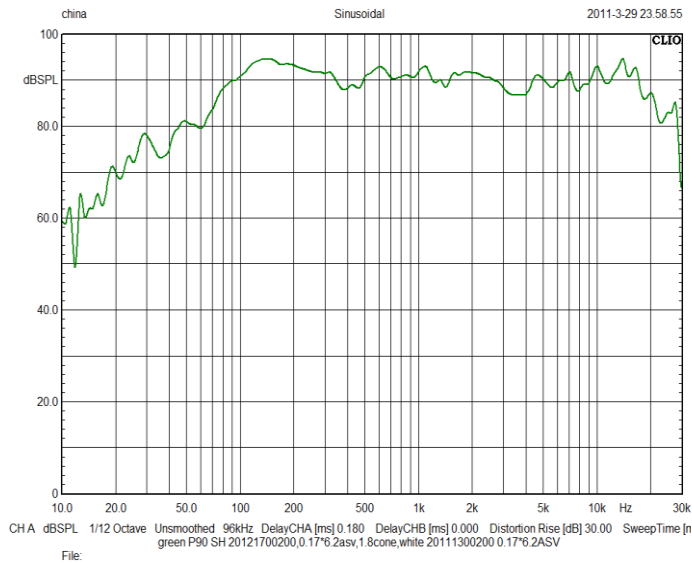


## CHP 90

The CHP90 is an attractive Full-Range multi-purpose drive unit suitable for use in variety of medium size loudspeakers applications, or as part of a multiway system. For single full-range point-source purist applications, the CHN90 is highly capable. The cone is formed from paper, mica and fibreglass materials creating high stability in the emitting surface across the usable frequency range.

F Zero is 48Hz, VAS is +20 Litres and SPL 89.2 dB. Useable frequency range (depending on box design) is from 37Hz to 28KHz rated at +89dB in many applications. The frequency response curve is near flat, making the CHN90 ideal for purist applications. The central mid-range is benign, near flat response, from 1KHz to 6KHz giving end-users and custom builders the potential to use the CHP90 as a mid-field driver in larger multiway applications, useful for balancing out larger radiated surface outputs from big bass units.

The CHP90 also has potential for use in 2 way applications as a bass-mid driver. Most Markaudio drivers have a purpose designed frequency lift in the lower ranges (typically 100Hz to 500Hz) to compensate for baffle step losses. The CHP90 is useful to these applications where end-users and loudspeaker makers need a wider choice on frequency cross-over point selection. The CHP90 shares the custom, modified-ABS chassis design with the CHR90. All moving parts (powertrain) are new and custom made for this driver. Much work has been done to make the CHP90 a versatile driver and extend the well-known performance characteristics of Markaudio's products.



|              |                |
|--------------|----------------|
| FS           | 48.53 Hz       |
| VAS          | 20.05 L        |
| RE           | 6.2000 Ohm     |
| QMS          | 2.2008         |
| QES          | 0.4354         |
| QTS          | 0.3635         |
| BxL          | 4.8444 Txm     |
| SPL          | 89.2353        |
| SD           | 0.0085 m2      |
| CMS          | 1.9898 mm/N    |
| MMS          | 5.4051 g       |
| RMS          | 0.7489 WM      |
| MMD          | 4.9619 g       |
| L1kHz        | 0.2642mH       |
| L10kHz       | 0.0880 mH      |
| PWR          | 40 watts (Nom) |
| X MAX (Mech) | +/- 7mm        |

