

markaudio
New Audio Fidelity





CHR-70

THE ALL NEW FULL RANGE DRIVER FROM MARKAUDIO

The all-new CHR-70 has one of the largest stable excursions in its class, a high total Q and a resonance of 70Hz. It is capable of generating authentic musical pleasure in a wide selection of enclosure designs for custom-build projects. OEM, commercial and media applications can also take advantage of CHR-70's durability, excellent performance and styling.

The CHR-70 shares the "custom build" heritage of Markaudio's high-end Alpair driver family. The CHR-70's cone and cap employ all-new profiles on a new aviation grade aluminium alloy. Used together with Markaudio's coating technology, the CHR-70 delivers one of the best overall performances in its class.

The chassis (frame) is a new one-piece injection moulded unit employing a double polymer mix to deliver the required rigidity without the "ringing" interference frequencies generated by some pressed metal and die-cast frames.

The CHR-70 has clean styling and a choice of either cool-grey or rich-gold colours. When installed, the look that's created is "professional" and "exclusive", worth more than the driver's actual cost. By blending style and colour choice with class-leading performance, the CHR-70 becomes an excellent lower-cost, high-value audio driver.

FEATURES

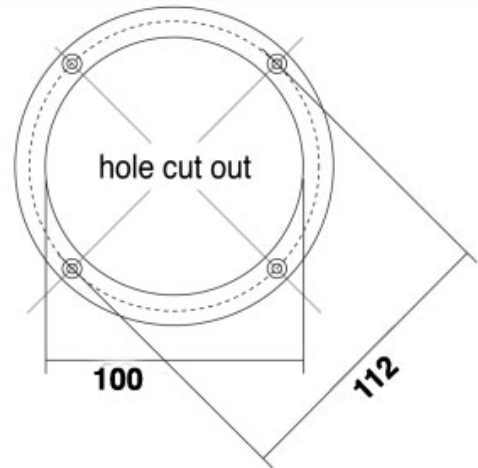
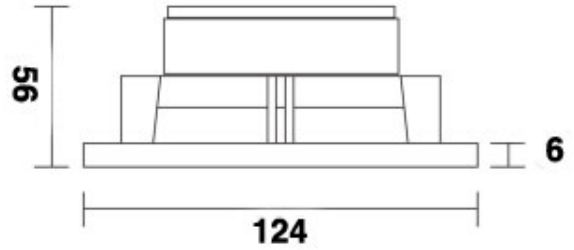
- All new 70-mm cone and cap designs employing aviation grade alloy
- Large stable Xmax, high Qts and 22 watts* power handling
- Very wide frequency for this driver size
- 100% custom designed and built with "exclusive" styling



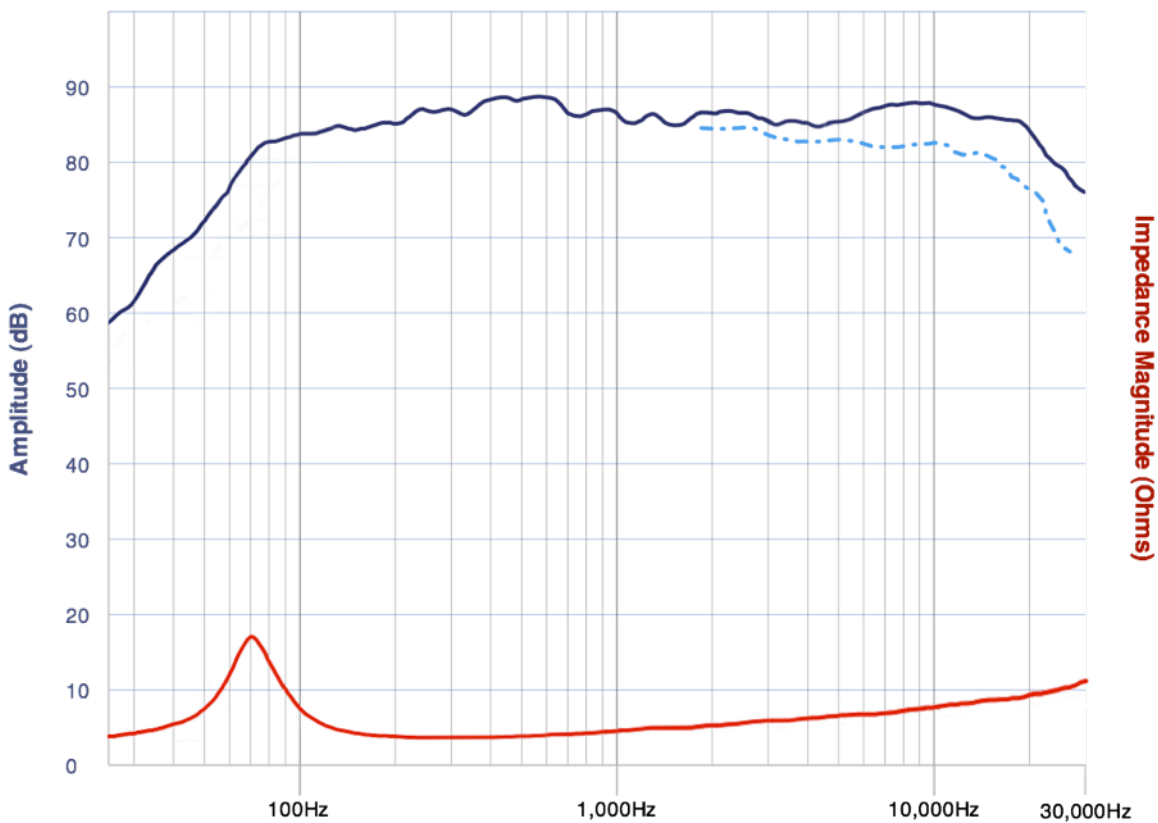
CHR-70 DATA

Parameters:

Driver	4.00 Ohm
Revc	3.60 Ohm
Fo	70 Hz
Sd	50 Cm ²
Vas	3.61 Ltr
Cms	1.00m M/N
Mmd	4.59 g
Mms	4.80 g
BL	3.064 T·M
Qms	2.83
Qes	0.84
Qts	0.65
Levc	27.442u H
No	0.16 %
SPLo	85. dB
Xmax	4.5mm (1 way)
Power	22 watts nom.* (40 Max)
Coil	21mm dia. laminate



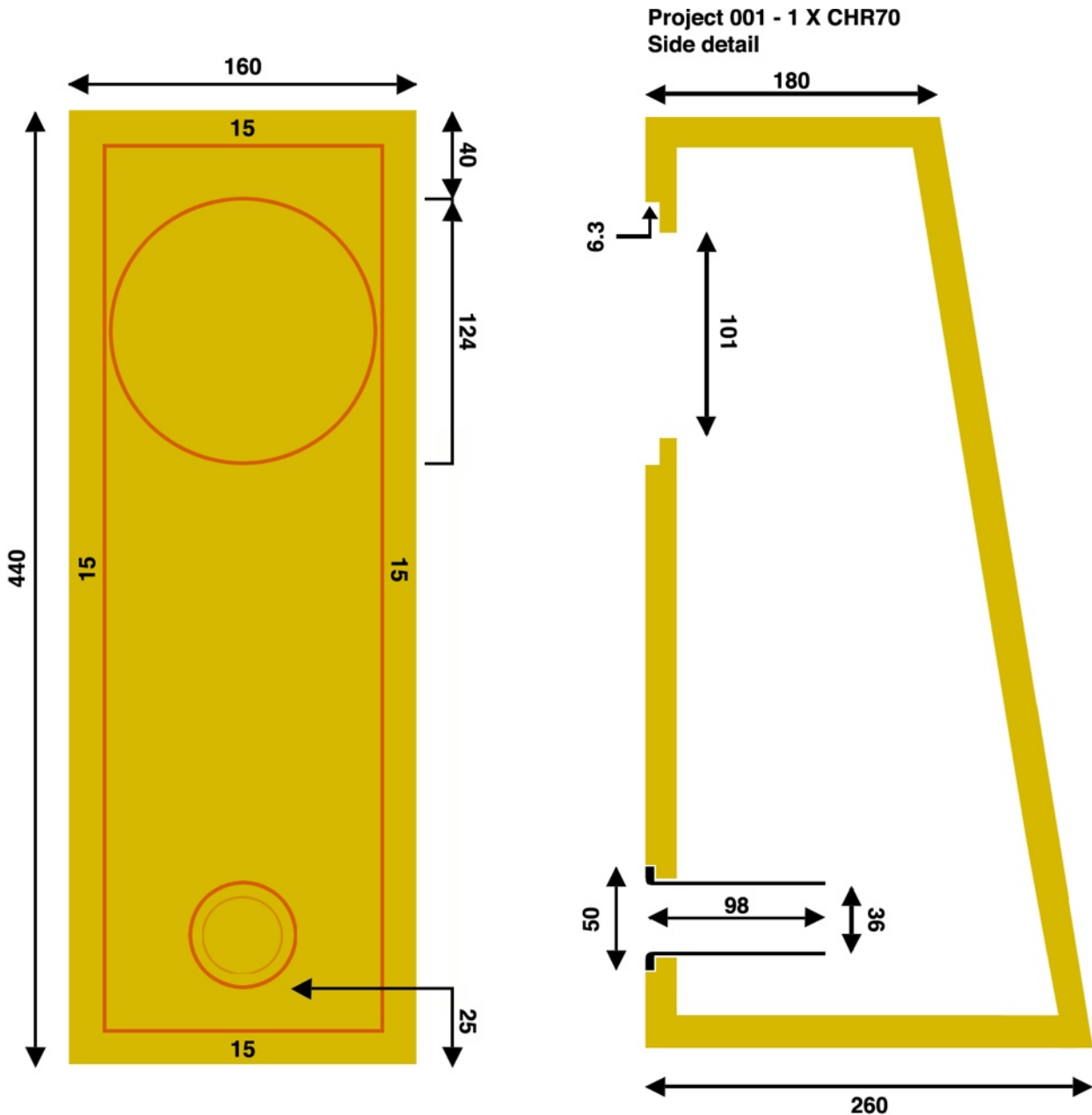
- Frequency Response
- Impedance
- - - 30 Degree Off Axis Response



CHR-70 PLAN SUGGESTIONS

Single CHR-70 plan

This single driver plan is designed to deliver an extended bass response. We recommend using 15-mm MDF board or marine ply. A thicker material can be used to suit personal preferences. The projected resonance frequency of the port is 45-Hz while the F3 (-3dB) is 38-Hz. The port position, length and diameter can be varied to suit personal listening tastes. We recommend using at least 25-mm of sound damping material inside the box.



2 X CHR-70 plan

This compact layout bookshelf double driver plan is designed to handle more power and bring lots of detail into the lower middle to high ranges. We recommend using 12-mm MDF board or marine ply. A thicker material can be used to suit personal preferences. The projected resonance frequency of the twin ports is 62-Hz while the F3 (-3dB) is 57-Hz. Wiring in series will make 8 Ohms for better handling of higher power loads. The port positions, lengths and diameters can be varied to suit personal listening tastes. We recommend using a minimum 25-mm thick sound damping material inside the box.

