Enhanced Plan-Set Mar-Kel70

for P10 EL70eN or CSS EL70 4" (100mm) driver

A third generation version of the Planet10-HiFi primeSize miniOnken. Designed for the Planet 10 EL70eN or Creative Sound EL70 drivers (EL70 made by Mark Audio)

Mar-Kel70 Drawings:
0/ title page with list of drawings & notes
1/ 15mm drawing (18 mm baffle) with 9.0mm wide vents (010810)
2/ 18mm drawing with 9.0mm wide vents
3/ 12mm drawing with 9.0mm wide vents
4/ 5/8" drawing (3/4" baffle) with 3/8" wide vents
5/ 3/4" drawing with 3/8" (9.5mm) wide vents
6/ Optional uneven & low resonance 9.5mm vent spacers
7/ Optional uneven & low resonance 9.0mm vent spacers (010810)
8.1/ damping plan (for 12mm (1/2") cotton or wool felt)
8.2/ damping cut plan (for 12mm (1/2") cotton or wool felt)
9.1/ 5' x 5' 15mm cut plans
9.2/ 5' x 5' 18mm cut plan
9.3/ 5' x 5' 12mm cut plan
10.1/ 4' x 8', 12mm 1200x2400mm, 1200x2500mm cut plan
10.2/ 4' x 8', 18mm 1200x2400mm, 1200x2500mm cut plan (160710)
10.3-5/ 4' x 8', 15mm, 5/8". 3/4" 1200x2400mm, 1200x2500mm cut plans

Bonus pages:
11/ Mar-Kel70^2 twin driver variation
12.1-12.x/ Classic Golden Ratio variations
13/ simple Floorstander Mar-Kel70 variation
14/ mMar-Kel70

Assembly guide:

Assembly Notes:
0/ 15mm is the default material thickness
1/ Cut the 45° front bevel after assembly of the cabinets

Notes/FAQ:
>Low resonance spacers, what do they improve?
Real world builds showed that the biggest issues with cabinet resonances occurred in the area addressed by the low resonance slots.

> Should the holey brace touch the magnet?
The holey brace should be firm against the magnet, but not so tight as to stress the driver basket.

Screws should be tightened just enuff to keep a real or imaginary washer from spinning. Torque on each screw should be the same, and they should be tightened as you would the lug nuts on a tire.

> Recommended way to put it all together? Glue?
Carpenter's PVA based glue. Lots of clamps. Brad nails are helpful if you are going to veneer or piant.

3D Visualization goes here