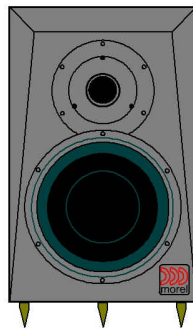
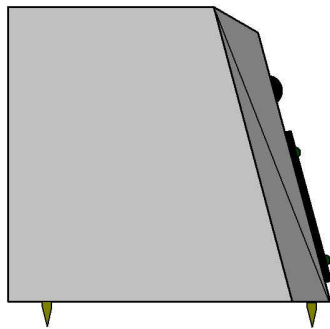
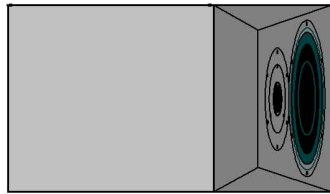


True high-end compact 2-way stand/shelf speaker



Elite 621

Tweeter: ET 338-104
Woofer: ECW 638
Freq. range: 40-20.000 Hz
Efficiency: 88dB
Nominal load: 125Wrms
Impedance: 8 ohm
Crossover: 6/6dB serial
Crossoverpoint: 2650Hz

www.eltim.eu



With this model we entered a unknown field, due to the fact that we didn't know anything yet about the behaviour of the completely new MOREL woofer ECW 638 and an improved and slightly smaller version of the famous MDT-33, called ET 338-104. Would it truly perform well in a small cabinet as we calculated? Actually no, it did even better.....

We try to build our systems as phase linear as possible, meaning that we use only 6/6dB crossover, which is no problem for any MOREL drive unit. To maximise phase linearity we even made it a serial crossover. Only negative effect is that the acoustic lobe point down about 15°, which we compensated by tilting the front backwards. We used MUNDORF Supreme capacitor and Foil coil to match the quality of the units. With some compensation networks (Mcaps, metal oxide resistors and a backed coil) we loaded these with a constant impedance, also resulting in a nearly flat 7 ohms load from 100Hz up. This in combination with a nearly flat frequency response within 2dB means that phase behaviour is outstanding as well.

Low frequency response appears to be dramatic low for this size and with a speed and accuracy you expect from a sealed cabinet, yet this is a (bottom) portet system. F.e. a contrabass (Diana Krall, Live in Paris) comes in full. The tweeter has similar resolution as MDT-33, but beside the better looks due to the new IDR faceplate with a wider spread indeed. With only 35 grams of our TWARON Angel Hair as damping material the speaker presents the lowest signals audible by human ear.

The woofer fills full vocal range up to about 3kHz, so this speaker could also be completed with a subwoofer system, just and only to make it a true 3-way system. This way, the midwoofer is relieved from powerfull bass demands and it can concentrate on true midrange representation only. We are planning a pillar model matching quality, shape and recommended height of about 60cm.

Due to the fact that the port is at the bottom (angling 45° forward), this model needs spikes or similar to lift the bottom at least 1cm up.