
Subject: Image Dynamics IDQ10

Posted by [Wayne Parham](#) on Wed, 09 Aug 2006 21:33:41 GMT

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The Image Dynamics IDQ10 woofer looks good in cabinets from 0.5ft³ to 1.5ft³ tuned to 26Hz. PiAlign suggests 0.75ft³ which provides a nice flat response curve that is slightly overdamped. It has f₃ of 40Hz and f₁₀ of 25Hz, so it will sound very nice in home or in a car. Being slightly overdamped, room/cabin gain will effectively conjugate its amplitude response. For subwoofer use, you can go a little larger, to 1.0ft³ or 1.25ft³. That will give f₃ closer to 30Hz, but f₁₀ is still around 25Hz. The larger 1.0ft³ cabinet makes a great alignment for use outdoors or in very large rooms, but may sound a little bit boomy in medium to small rooms or in your car.
