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.