
Subject: Attention: If you own JBL 3677S click here
Posted by [BillEpstein](#) on Wed, 30 Jan 2002 00:44:33 GMT
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I sent for and received (thanks to JBL tech Everett Watts) the specs on the 3677 components. Eight pages worth. If someone has a scanner and wants to e-mail me a fax number, perhaps they could be posted. Most of it is response curves. The Thiele-Small for the M-115 woofer are for before and after a power test as follows: F_s 46, $42R_e$ 5.3, $5.3Q_{ms}$ 5.1, $4.6Q_{es}$ 0.42, $0.39Q_{ts}$ 0.39, $0.37V_{as}$ 225L, 275LMms 53g, 53gCms 222uM/N, 271uM/nBI 14TM, 14TMRme 37, 37Sd 845 sq cm, 845 sq cmLe 1.3mH@1kHz, dittoRg 0.91 degC/W, dittoRt 1.56 degC/W, dittoPower test 50-500Hz 40V RMS (250W) Free air for 100 hoursLeap motor constants Krm 8.47mH Erm 0.696

Krm 17.7mH Erm 0.667The graphs show - 10 dB at about 25 Hz rising to 115 or so and peaking near 120 at almost exactly 1.6kHz with a zoom up after to 2000Hz and then rapidly falls off. Unfortunately, after further review, it seems the graphs were plotted in an 8 cu ft sealed enclosure. Oh well. There are several graphs of the 2418 horn. One is called EPR Plane Wave Tube Response, one is a waterfall looks like a Melissa, and others. There is a data sheet that reads that freq resp is +/- 1 dB 1000 - 6000 Hz, etc. There are also T/S Parameters for the 2418: F_s 1000 Hz R_e 3.7 ohms R_{et} 8 ohms S_d 15.5 sq smxmax .5 mmBL 5.0 TeslaMms 1.1 gramLe .08 mHNo 25%Zmin 5.0 ohms Pe 25 watts into zminI hope this helps someone. Ain't the people at JBL amazing!