

Dayton Audio ND105-8 in TABAQ

TABAQ is designed by Bjørn Johannesen, Bredkær 11, bjohannesen@post.cybercity.dk, 2650 Hvidovre and is developed using simulation software which is the property right of Martin J. King www.quarter-wave.com

$$f_d := 65 \cdot \text{Hz}$$

$$V_{ad} := 3.68 \cdot \text{liter}$$

$$R_e := 7.6 \cdot \Omega$$

$$Q_{ed} := 0.73$$

$$L_{vc} := 1.37 \cdot \text{mH}$$

$$Q_{md} := 7.61$$

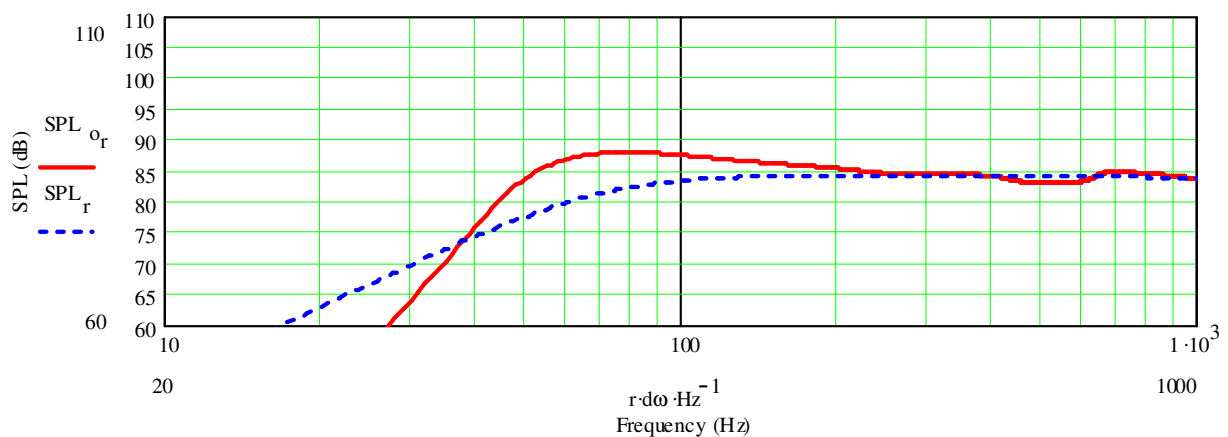
$$B1 := 4.9 \cdot \frac{\text{newton}}{\text{amp}}$$

$$Q_{td} := \left(\frac{1}{Q_{ed}} + \frac{1}{Q_{md}} \right)^{-1}$$

$$S_d := 51.5 \cdot \text{cm}^2$$

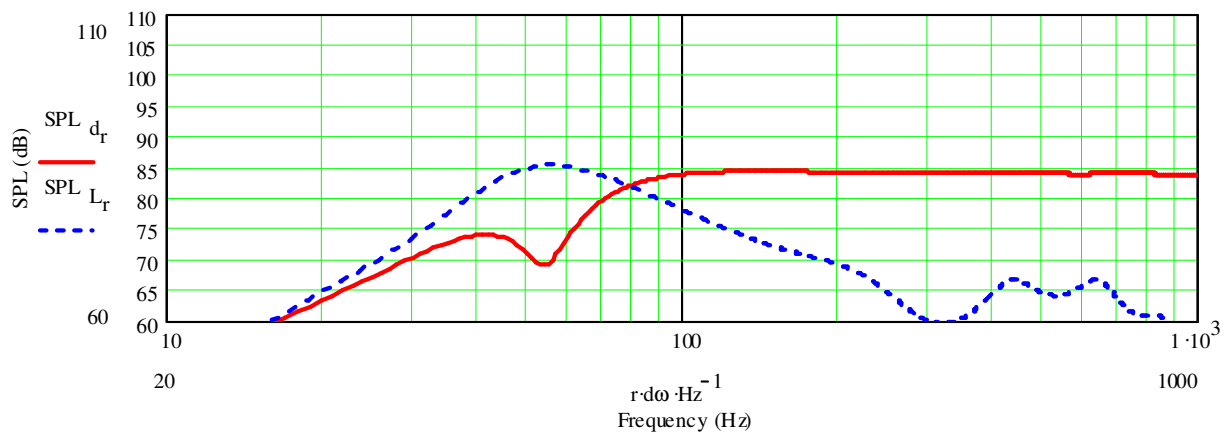
$$Q_{td} = 0.666$$

Summed SPL:

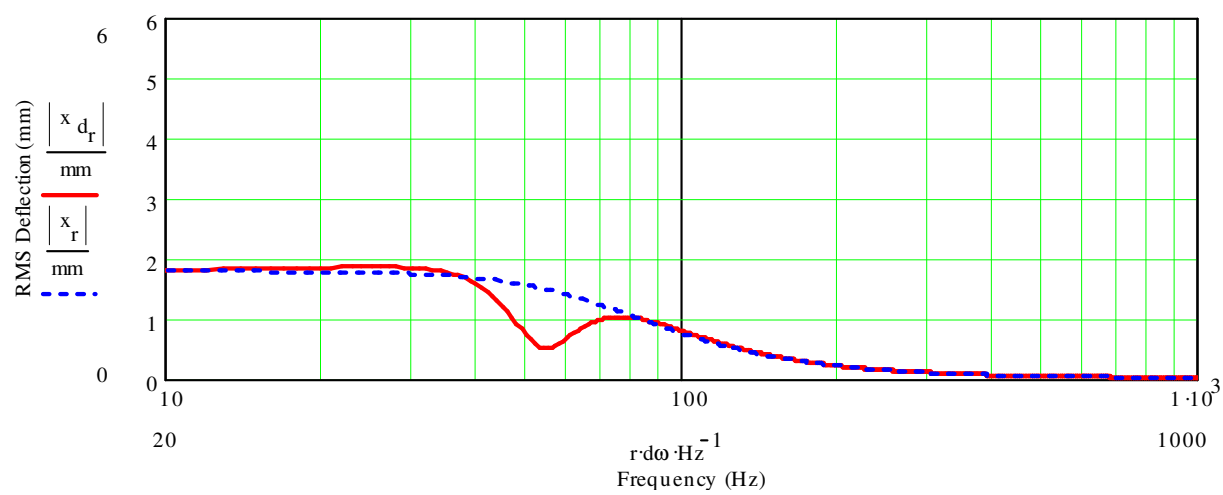


For this driver, the BSC should be omitted.

Driver and opening:



The displacement is controlled, and you do not see the problems below tuning frequency like in an bass reflex:



No problems with air velocity in the opening:

