



Driver Parameters

Driver: Adire Audio Shiva 12D8

| | | |
|----------------------|---------------|--------|
| Nominal Diameter | D = 12 | in |
| Nominal Power | P = 300 | Watts |
| Sensitivity (1W/1m) | SPL = 88.1 | dB SPL |
| Free Air Resonance | f(s) = 27 | Hz |
| Total Q | Q(ts) = 0.44 | |
| Electrical Q | Q(es) = 0.46 | |
| Mechanical Q | Q(ms) = 8.51 | |
| Equivalent Volume | V(as) = 3.63 | cu ft |
| Nominal Impedance | Z = 8 | Ohms |
| DC Resistance | R(e) = 0 | Ohms |
| Max Thermal Power | P(t) = 500 | Watts |
| Max Linear Excursion | X(max) = 14.2 | mm |
| Max Excursion | X(lim) = 0 | mm |
| Voice Coil Diam. | D(vc) = 0 | mm |

Driver Notes:

NOTE: X(max) was estimated based on the nominal driver diameter.

NOTE: X(max) was estimated based on the nominal driver

System Notes:

Box Parameters

System Type: 4th Order Vented Box

| | | |
|-------------------|----------------|-------|
| Box Volume | V(B) = 5 | cu ft |
| Closed Box Q | Q(tc) = 0.5781 | |
| Box Frequency | F(B) = 25 | Hz |
| Min Rec Vent Area | S(vMin) = 20.2 | sq in |
| Vent Surface Area | S(v) = 28.27 | sq in |
| Vent Length | L(v) = 20.1 | in |
| Compliance Ratio | alpha = 0.726 | |
| Box Loss Q | Q(B) = 7 | |

System Parameters

| | | |
|-----------------|-------------|-------------------|
| No. of Drivers | N = 1 | |
| Isobarik Factor | I = 1 | (1=normal, 2=iso) |
| Input Power | P(in) = 300 | Watts |
| SPL Distance | D = 1 | m |

Joe's Subs

2261 Kristin Drive
Troy, MI, 48084
USA

248-459-9075

System Name:

4th Order Vented Box

Designer: Joe Gerhardstein

Title: Senior Designer

Rev Date:

Rev: