

HOW TO DESIGN AND CONSTRUCT SPEAKER ENCLOSURES

Enclosure construction must be rigid. Recommended materials are 3/4-in. plywood or chipboard. One-half dressed shelving lumber may be used for small enclosures; it is particularly convenient when an enclosure is to be built-in as part of a bookshelf. Interior bracing is desirable to reduce panel vibration. All joints must be air-tight. Removable panels must be sealed with felt or foam gaskets.

Tacky-back foam rubber weatherstripping conveniently seals the removable back of the enclosure. It is a good idea to coat the interior of the chamber with shellac or other sealer to prevent splitting and shrinkage. Open weave plastic fiber grille cloth is suggested, fastened with staples or tacks. A coat of flat black paint on the front panel under the grille cloth will camouflage the speaker opening. Line all interior faces of the chamber (except the front panel) with glass fiber insulation one to two inches thick. Fasten it in place with large-head tacks or staples, using cardboard disc washers if necessary.

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UNITARY SPEAKERS

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1979
2010
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THE MODEL 7 AND MODEL 8 LOUDSPEAKERS

We probably know more about loudspeakers than anyone else. Maybe that's why we can build speakers like Models 7 and 8. They give all the performance you'd expect from the finest 8" speakers, but at a modest price.

Model 7 is a two-element dual cone speaker. Model 8 is a three-element coaxial speaker.

Both models incorporate our famous Flexair® woofer suspension for extended bass response. And both use our trademarked Syntox-6® magnet, too. In addition, Model 8 has a 3" direct radiating tweeter and a balance control.

Both Models come in a striking black matte metal housing.

SPECIFICATIONS/ MODEL 7

Nominal size: 8"
 Frequency Range: 40-15,000 Hz
 Power Rating: 15 watts
 Minimum Amplifier Power: 10 watts
 Impedance: 8 ohms
 Crossover: 6,000 Hz
 mechanical
 crossover
 Balance Control: None
 Woofer Resonance: 50 Hz
 Dimensions: 8-1/8" diameter x
 3-7/8" deep
 Connections: Push type
 binding posts
 Shipping Weight: 3-1/2 lbs.

SPECIFICATIONS/ MODEL 8

8"
 Frequency Range: 40-16,000 Hz
 Power Rating: 15 watts
 Minimum Amplifier Power: 10 watts
 Impedance: 8 ohms
 Crossover: 2,000 Hz
 High Frequency
 50 Hz
 Dimensions: 8-1/8" x
 3-7/8" deep
 Push type binding
 posts
 4-1/2 lbs.



THE MODEL 9 AND MODEL 10 LOUDSPEAKERS

The Model 9 is a 12" two-element dual cone speaker. Model 10 is a three-element coaxial speaker. Both have all the best Jensen features, including our Flexair® suspension and Syntox-6® magnet.

Model 9 has a mechanically coupled high frequency element. Model 10 has a compression drive horn tweeter and mechanically coupled mid-range direct radiating element.

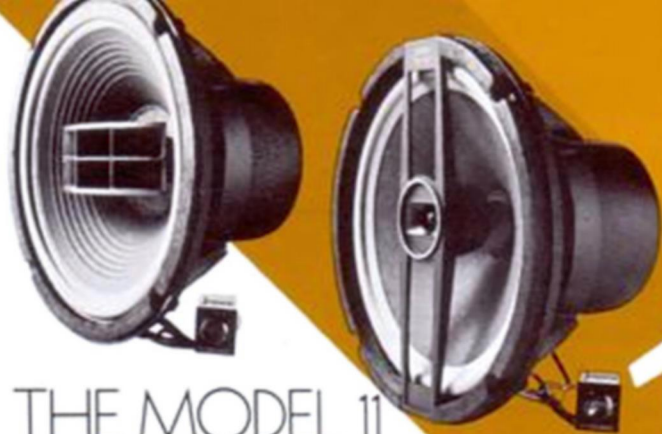
Both housings have a handsome black matte finish.

SPECIFICATIONS/ MODEL 9

Nominal size: 12"
 Power Rating: 20 watts
 Minimum Amplifier Power: 10 watts
 Frequency Range: 25-15,000 Hz
 Impedance: 8 ohms
 Crossover: 6,000 Hz
 mechanical
 crossover
 Balance Control: None
 Woofer Resonance: 30 Hz
 Dimensions: 12-3/8" diameter
 x 5-3/4" deep
 Connections: Push type
 binding posts
 Shipping Weight: 8-1/2 lbs.

SPECIFICATIONS/ MODEL 10

12"
 20 watts
 10 watts
 25-18,000 Hz
 8 ohms
 4,000 Hz
 High Frequency
 30 Hz
 12-3/8" diameter x
 5-3/4" deep
 Push type binding
 posts
 10 lbs.



THE MODEL 11 AND MODEL 12 LOUDSPEAKERS

These excellent loudspeakers produce the kind of sound one should associate with the best component systems. Model 11 is a multicellular coaxial loudspeaker. Model 12 is a Triaxial* three-way unitary loudspeaker.

Both Models feature a high energy 1-3/4 lb. Syntox-6* magnet and our special Flexair* suspension. Distortion is minimal in each Model, because we use compression driven mid-ranges and tweeters.

Model 11 has a through bore horn tweeter in a 6 cell cluster. Model 12 has a through bore mid-range and a horn tweeter.

Each has a balance control on 30" cable for easy mounting. Models 11 and 12 have a smart black matte finish.

SPECIFICATIONS/ MODEL 11

Nominal size: 12"
Power Rating: 25 watts
Minimum Amplifier Power: 10 watts
Frequency Range: 25-20,000 Hz
Impedance: 8 ohms
Crossover: 2,000 Hz
Balance Control: High
Frequency
Woofer Resonance: 30 Hz
Dimensions: 12-3/8" diameter
x 7" deep
Connections: Push type
binding posts
Shipping Weight: 14 lbs.

SPECIFICATIONS/ MODEL 12

12"
30 watts
10 watts
20-20,000 Hz
8 ohms
600/4,000 Hz
Mid/High
Frequency
25 Hz
12-3/8" diameter x
8-1/8" deep
Push type binding
posts
15 lbs.



THE G 600 TRIAX & G 610-B TRIAXIAL LOUDSPEAKER

There are only two 15" loudspeakers that are made with three electrically and acoustically independent woofer, midrange and high frequency radiating and driving systems. We happen to make them both.

Both models have heavy DP-Alnico 5 magnets, Model 13 (G-600) 3½ lbs. and Model 14 (G-610B) 6½ lbs. They have a through bore compression driver mid-range horn that uses the entire woofer cone as its final section. The tweeter is compression driven. Each has a separate dual crossover network with balance controls for mid and high frequencies.

Model 13 and Model 14 — the unchallenged high quality loudspeakers.

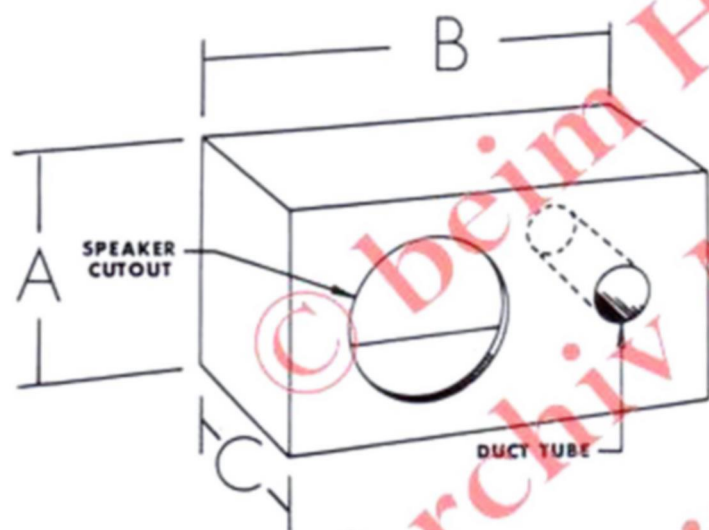
SPECIFICATIONS/ MODEL 13 (G600)

Nominal size: 15"
Power Rating: 35 watts
Minimum Amplifier Power: 10 watts
Frequency Range: 20-20,000 Hz
Impedance: 16 ohms
Crossover: 900/4,000 Hz
Balance Controls: Mid/High
Frequency
Woofer Resonance: 35 Hz
Dimensions: 15-1/8" diameter x
10-5/8" deep
Connections: Screw
Terminals
Shipping Weight: 33 lbs.

SPECIFICATIONS/ MODEL 14 (G610B)

15"
40 watts
10 watts
20-20,000 Hz
16 ohms
600/4,000 Hz
Mid/High
Frequency
50 Hz
15-1/2" diameter x
10-5/8" deep
Screw
Terminals
46 lbs.

| MODEL | Cabinet Volume cubic in. | Cabinet Dimensions | | | Speaker cutout diameter | Mounting bolt circle diameter | Duct | |
|-------|--------------------------|--------------------|-----|-----|-------------------------|-------------------------------|--------|-------------------|
| | | A | B | C | | | * Type | Length |
| 7 | 2660 | 14" | 19" | 10" | 6 $\frac{3}{4}$ " | 7 $\frac{5}{8}$ " | T3 | 2 $\frac{1}{2}$ " |
| 8 | 2660 | 14 | 19 | 10 | 6 $\frac{3}{4}$ | 7 $\frac{5}{8}$ | T3 | 2 $\frac{1}{2}$ |
| 9 | 3600 | 15 | 20 | 12 | 10 $\frac{1}{2}$ | 11 $\frac{1}{16}$ | T2 | 3 |
| 10 | 3600 | 15 | 20 | 12 | 10 $\frac{1}{2}$ | 11 $\frac{1}{16}$ | T2 | 3 |
| 11 | 3600 | 15 | 20 | 12 | 10 $\frac{1}{2}$ | 11 $\frac{1}{16}$ | T2 | 3 |
| 12 | 5100 | 18 | 24 | 12 | 10 $\frac{1}{2}$ | 11 $\frac{1}{16}$ | T2 | 2 $\frac{3}{4}$ |
| 13 | 7800 | 20 | 28 | 14 | 13 $\frac{1}{4}$ | 14 $\frac{1}{16}$ | T5 | 4 |
| 14 | 7800 | 20 | 28 | 14 | 13 $\frac{1}{4}$ | 14 $\frac{1}{16}$ | T5 | 10 |



* Duct tube dimensions

Type-T2 2" Inner Dia. x 2-5/32" Outer Dia.

Type-T3 3" Inner Dia. x 3-1/4" Outer Dia.

Type-T5 4-3/4" Inner Dia. x 5" Outer Dia.

Duct tubes are available from Jensen by number for \$2.00 ea.

5-Year Warranty

Jensen high fidelity loudspeakers are manufactured to the highest quality standards. These loudspeakers are warranted to be manufactured free of defects in material and workmanship, such warranty to run for a period of five (5) years from the date of purchase by the customer.

A Jensen loudspeaker, or any part thereof, found to be so defective within the warranty period will be repaired at our cost or at our option replaced. Any such faulty loudspeaker shall be suitably packed in the proper shipping carton, available upon request, and sent by the owner or his agent, at our cost, to the designated Jensen repair station. Jensen shall not be liable for any cost of field labor for testing, removal or replacement of any part or for any other unauthorized service outside of our repair facilities.