

Model: D-series

4" Speaker/Xfmr/Grille Assembly: (full fidelity sound, very wide dispersion)

Description

Lowell's D-series speaker assemblies are 4" 15W systems that provide full fidelity sound with clear intelligibility, very wide dispersion (170°) and minimal architectural visibility. Each assembly includes a speaker (JR410), wired dual-voltage transformer (TLM-572) and a mounted grille (several options to choose from). It ships ready for installation in a variety of applications. Order backbox and mounting accessories (T-bridge or support rails) separately.

Features

- **Speaker (JR410):** 4" high compliance speaker with power rating of 15 watts RMS employs a 10 oz. ceramic magnet. Cone is paper with a treated cloth surround for smooth, extended frequency response and a clean, natural sound.
- **Transformer (TLM-572):** to facilitate a variety of distributed applications the assembly includes a wired dual-voltage (70/25V) transformer that has a 5W rating and taps at .25, .5, 1, 2, 5W.
- **Grille Selection:** precision-formed steel with white powder epoxy finish for a clean presentation. Three options:
 - **WB-4:** screw-mount, 7.25" diameter
 - **SG-4:** screw-mount, 7" square
 - **CN-4:** torsion spring mount for hardware-free appearance. 7.625" dia.

A & E Specifications

The 4-inch speaker assembly shall be Lowell Model _____. It shall include a 4" high-compliance speaker with wired transformer and mounted grille. The speaker shall have a 15 watt RMS power rating. It shall employ a 10 oz. ceramic magnet and a paper cone with a treated cloth surround. Frequency response shall be 100Hz -14kHz ±6dB with an average sensitivity of 91dB measured 1W/1M. The transformer shall be a factory-wired 70/25V unit and shall have primary taps available at 0.25, 0.5, 1, 2 and 5W. The grille shall be factory-mounted to the speaker and shall be manufactured of steel and finished in white powder epoxy.



Model No. D1410-72
(screw-mount grille)

Front view



Model No. D3410-72
(torsion grille)

Front view



Model No. D6410-72
(square screw-mount grille)

Front view

| Assembly Model No. | Speaker I.D. | Transformer I.D. | Grille I.D. | Backbox (order separately) | T-bridge or Rails (order separately) |
|--------------------|--------------|------------------|-------------|----------------------------|--------------------------------------|
| D1410-72 | JR410 | TLM-572 | WB-4 | CP4 or DX104 | LBS4-DX (requires backbox) |
| | | | | No backbox | LSS4-R |
| D3410-72 | JR410 | TLM-572 | CN-4 | DX104T | LBS-DX (requires backbox) |
| D6410-72 | JR410 | TLM-572 | SG-4 | P625X..... | SS24 (rails) |
| | | | | CB44 (surface-mount) | None required |

DRIVER SPECIFICATIONS

| I.D. | Power Rating | Type | Ceramic Magnet | Frequency Response | Dispersion | Voice Coil Impedance | Sensitivity 1W / 1M | Depth (w/o xfrm) | Weight (w/o xfrm) |
|-------|--------------|-----------------|----------------|---|-----------------------|----------------------|------------------------|------------------|-------------------|
| JR410 | 15W | High Compliance | 10 oz. | 100Hz - 14kHz ±6dB 100Hz - 16kHz Nominal | 170° @ 2000Hz -6dB | 8 Ohms | 91dB Avg. 97dB Peak | 2.08" | 1.7 lbs. |

PERFORMANCE

| | |
|--------------------|---|
| Power Handling | 15 watts RMS (nominal) measured per EIA Standard RS-426B |
| Sensitivity | 91dB log average SPL (1W/1M) 102.8dB maximum SPL (calculated based on power rating and measured sensitivity) |
| Impedance | 8 ohms (nominal), 8.4 ohms @480Hz (minimum) |
| Frequency Response | 100Hz-16kHz (nominal), 100Hz-14kHz (±6dB) |
| Dispersion Angle | 170° @ 2000Hz octave (-6dB) |

PHYSICAL - WOOFER

| | |
|-------------------------------|---|
| Magnet Weight, Material | 10oz. (264g), strontium ferrite ceramic |
| Voice Coil Diameter, Material | 1 inch (26mm), copper wire |
| Cone Material | Paper with treated cloth surround |
| Terminals | Quick disconnect type - spade lugs |

MECHANICAL

| | |
|----------------------|--|
| Basket | 20 gauge stamped steel with zinc plating |
| Outside Diameter | 5.03 inch (128mm) |
| Mounting Bolt Circle | 4.72 inch (120mm) with 4 round holes equally spaced at 90 degrees. |
| Cutout Diameter | 4.125 inch (105mm) |
| Mounting Depth | 2.08 inch (53mm) |
| Net Weight | 1.7 lbs. (0.76kg) |

THIELE-SMALL PARAMETERS

| | | | |
|------------------------|--------------|--------------------------------|---|
| Pe.....15W | Qts.....0.59 | BL.....4.7Tm | Sd.....10.2 in ² , 65.8cm ² |
| Fs.....109Hz | Qes.....0.69 | Efficiency, h.....0.8% | Mms.....3.1g |
| Xmax.....0.04 in., 1mm | Qms.....3.9 | Vas.....4.2 liters, 255 cu.in. | Cms.....0.68mm/N |
| Re.....7.2W | | | |

