# Model: D-series 4" Speaker/Xfmr/Grille Assembly: (full fidelity sound, very wide dispersion)

### Description

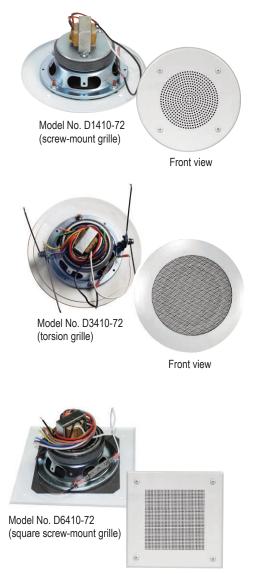
Lowell's D-series speaker assemblies are 4" 15W systems that provide full fidelity sound with clear intelligibility, very wide dispersion (170°) and minimal architectural visibility. Each assembly includes a speaker (JR410), wired dual-voltage transformer (TLM-572) and a mounted grille (several options 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.



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		

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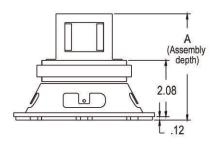
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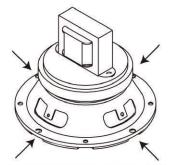


#### DRIVER SPECIFICATIONS

I.D.	Power Rating	Туре	Ceramic Magnet	Frequency Response	Dispersion	Voice Coil Impedance	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)	
JR410	15W	High	10 oz.	100Hz - 14kHz <u>+</u> 6dB	170° @	8 Ohms	91dB Avg.	2.08"	1.7 lbs.	
		Compliance		100Hz - 16kHz Nominal	2000Hz -6dB		97dB Peak			
PERFOR	MANCE									
Power Handling			15 watts RMS (nominal) measured per EIA Standard RS-426B							
Sensitivity			91dB log average SPL (1W/1M)							
				102.8dB maximum SPL			ing and measu	ired sensitiv	ity)	
Impedance			8 ohms (nominal), 8.4 ohms @480Hz (minimum)							
Frequency Response			100Hz-16kHz (nominal), 100Hz-14kHz ( <u>+</u> 6dB)							
Dispersio	Dispersion Angle 170° @ 2000Hz octave (-6dB)									
PHYSICA	AL - WOO	FER								
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							
MECHAN	NICAL									
Basket				20 gauge stamped stee	I with zinc plating	]				
Outside D	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 Weig	ht	1.7 lbs. (0.76kg)								
THIELE-	SMALL PA	ARAMETERS	5							

<b>Pe</b> 15W	Qts0.59	<b>BL</b> 4.7Tm	Sd10.2 in <sup>2</sup> , 65.8cm <sup>2</sup>
<b>Fs</b> 109Hz	<b>Qes</b> 0.69	Efficiency, h0.8%	Mms3.1g
Xmax0.04 in., 1mm	Qms3.9	Vas4.2 liters, 255 cu.in.	Cms0.68mm/N
<b>Re</b> 7.2W			





4 mounting holes on 4.72" bolt circle

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