



The Altec Lansing 8000 Series Loudspeaker Systems are a new family of vented cabinets for the new 3000 Series professional low frequency loudspeakers.

The 8000 series cabinets and the 3000 series loudspeakers were designed as integral systems to obtain varied performance characteristics. This 'systems engineering' approach involved extensive research to meet design goals for specific Thiele-Small parameters that would offer the user a wide range of choice of **low frequency response, efficiency and compact size.**

Successful completion of this development program has resulted in a family of bass reflex cabinets from the compact 1.5-cubic foot Model 8127, to the 24-cubic foot Model 8182, which is used for

extended low frequency response. Careful vent design provides sufficient cross-sectional area to achieve laminar flow for all conditions; this assures proper operation even at maximum acoustic sound power levels.

Construction of each enclosure utilizes high quality 7-ply birch-face plywood. Extensive internal bracing maximizes rigidity and strength. The mar resistant textured gray spatter finish assures high durability.

All in all, the eight enclosures of the 8000 Series family, in conjunction with the 3000 Series low frequency loudspeakers, offer the user a wide choice of performance criteria while assuring smooth frequency response and low distortion at all sound pressure levels.

8000 SERIES LOUDSPEAKER SYSTEMS

SPECIFICATIONS

	8124	8127	8227 ¹	8154	8156	8256 ¹	8184	8182
Type:	vented	vented	vented	vented	vented	vented	vented	vented
Speakers Included	3124	3127	3127 (2)	3154	3156	3156 (2)	3184	3182
Sensitivity in dB SPL— ²								
4 feet:	91	95	98	93	98	100	96	91
1 meter:	93	97	100	95	100	102	98	93
Maximum SPL								
4 feet	112.5	117	122	115	119	122	117	113
1 meter	114	119	124	117	121	124	119	115
Internal Volume:	3 ft ³	1.5 ft ³	3 ft ³	6 ft ³	3 ft ³	6 ft ³	12 ft ³	24 ft ³
Tuning (FB):	38 Hz	77 Hz	77 Hz	32 Hz	57 Hz	57 Hz	39 Hz	20 Hz
F ₃ :	40 Hz	70 Hz	70 Hz	40 Hz	65 Hz	65 Hz	40 Hz	23 Hz
Construction ³ :	7-ply	7-ply	7-ply	7-ply	7-ply	7-ply	7-ply	7-ply
Finish ⁴ :	gray	gray	gray	gray	gray	gray	gray	gray
Dimensions—								
Height:	30" 76.2 cm	19" 48.3 cm	30" 76.2 cm	36" 91.4 cm	30" 76.2 cm	36" 91.4 cm	36" 91.4 cm	54" 137.2 cm
Width:	19" 48.3 cm	16" 40.6 cm	19" 48.3 cm	30" 76.2 cm	19" 48.3 cm	30" 76.2 cm	30" 76.2 cm	36" 91.4 cm
Depth:	14 ³ / ₄ " 37.5 cm	14 ³ / ₄ " 37.5 cm	14 ³ / ₄ " 37.5 cm	14 ³ / ₄ " 37.5 cm	14 ³ / ₄ " 37.5 cm	14 ³ / ₄ " 37.5 cm	26 ¹ / ₄ " 66.7 cm	26 ¹ / ₄ " 66.7 cm
Weight:	60.5 lbs 27.5 kg	42 lbs 19 kg	78 lbs 35 kg	90 lbs 41 kg	61.5 lbs 28 kg	106 lbs 48 kg	124 lbs 56 kg	170 lbs 77 kg

¹ Dual loudspeaker system. Sensitivity and maximum SPL includes 3 dB gain due to loudspeaker coupling.

² Measured with 1 watt (E x I) input of band-limited pink noise from 100 Hz to 1 kHz at 1 meter.

³ 7-ply birch face plywood. Acoustically braced on all sides, except for small 1.5-cubic foot unit. Incident sides lined with fiberglass except for Model 8182.

⁴ Mar (scuff) resistant textured gray spatter for high durability.

The response and impedance of each system are published with the specifications for the 3000-series loudspeaker used in the system.



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