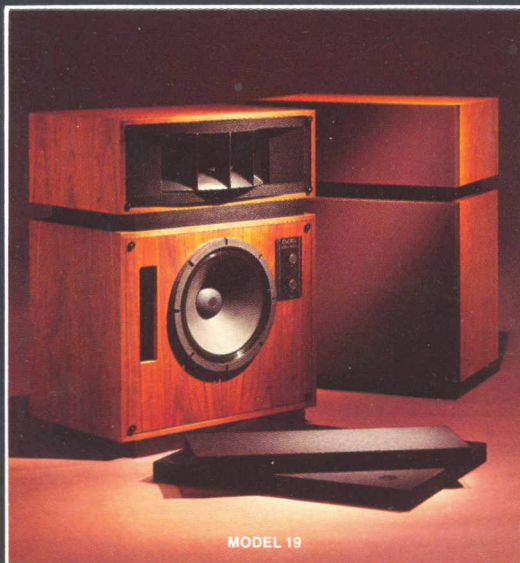


# ALTEC LANSING

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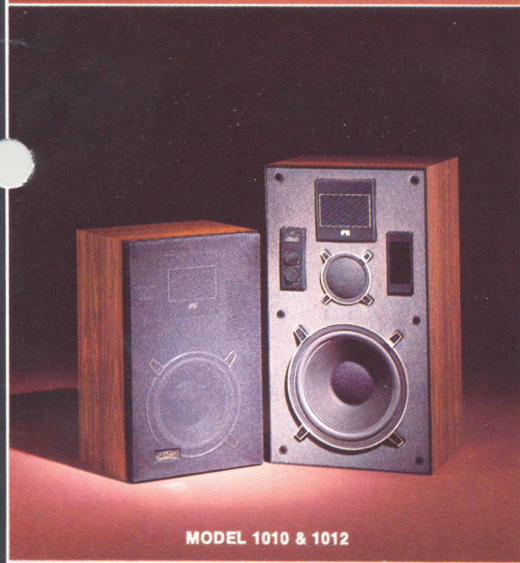
MODEL 19



MODEL 8



MODEL 6



MODEL 1010 & 1012



SANTANA II



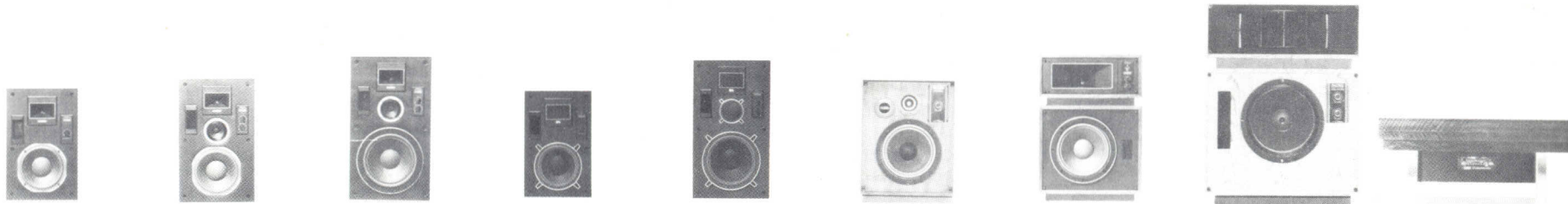
MODEL 4



MODEL 14



LF1/LF2



SPECS:	MODEL 4	MODEL 6	MODEL 8	MODEL 1010	MODEL 1012	SANTANA II	MODEL 14	MODEL 19	LF1/LF2
<b>SPEAKER COMPONENTS:</b>									
<b>LOW FREQUENCY</b>	25cm bass driver (10")	25cm bass driver (10")	30cm bass driver (12")	25cm bass driver (10")	30cm bass driver (12")	30cm bass driver (12")	30cm bass driver (12")	38cm bass driver (15")	30cm dual voice coil subwoofer (12") (LF-1) 30cm bass driver (12") (LF-2)
<b>MID FREQUENCY</b>		13cm frame cone driver (5")	13cm frame cone driver (5")		13cm frame cone driver (5")	13cm frame cone driver (5")			
<b>HIGH FREQUENCY</b>	LZT Compression Driver with Tangerine*** radial phase plug mounted to Mantaray** constant directivity horn	LZT Compression Driver with Tangerine*** radial phase plug mounted to Mantaray** constant directivity horn	LZT Compression Driver with Tangerine*** radial phase plug mounted to Mantaray** constant directivity horn	Liquid-cooled Energy-refracting Transducer	Liquid-cooled Energy-refracting Transducer		Tangerine*** radial phase plug compression driver mounted to Mantaray** constant directivity horn	Tangerine*** radial phase plug compression driver mounted to 811B sectoral horn	
<b>NOMINAL IMPEDANCE</b>	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms/8 ohms (voice coil) 47k ohm (input) (LF-2)
<b>CROSSOVER FREQUENCY</b>	2000 Hz	700 Hz; 5000 Hz	700 Hz; 5000 Hz	3000 Hz	1000 Hz; 8000 Hz	2500 Hz	1500 Hz	1200 Hz	80 Hz/40, 60, 80 Hz Selectable (LF-2 only)
<b>ENCLOSURE TYPE</b>	Vented	Vented	Vented	Vented	Vented	Vented	Vented	Vented	Vented
<b>SENSITIVITY<sup>1</sup></b>	89.5 dB SPL	91.5 dB SPL	93.5 dB SPL	92 dB SPL	93 dB SPL	90.5 dB SPL <sup>6</sup> 92.5 dB SPL <sup>7</sup>	96.5 dB SPL	100.5 dB SPL <sup>6</sup> 103.5 dB SPL <sup>7</sup>	95.5 dB SPL
<b>FREQUENCY RESPONSE</b>	48 Hz to 20 kHz $\pm$ 5 dB	42 Hz to 20 kHz $\pm$ 5 dB	40 Hz to 20 kHz $\pm$ 5 dB	60 Hz to 20 kHz $\pm$ 4 dB	60 Hz to 20 kHz $\pm$ 4 dB	45 Hz to 20 kHz $\pm$ 5 dB	40 Hz to 20 kHz $\pm$ 5 dB	36 Hz to 20 kHz $\pm$ 5 dB	20-80 Hz $\pm$ 5 dB (LF-1) 35-80 Hz $\pm$ 3 dB (LF-2)
<b>DISPERSION<sup>2</sup></b>	100° wide 40° up 20° down	100° wide 40° up 20° down	100° wide 40° up 20° down	90° vertical 100° horizontal	90° vertical 100° horizontal	130° vertical 130° horizontal	90° wide 30° up 10° down	105° vertical 105° horizontal	360°; true omnidirectional
<b>LONG TERM BROAD BAND MAX POWER<sup>3</sup></b>	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	45 watts <sup>4</sup>	75 watts unprotected 200 watts with Automatic Power Control	65 watts <sup>4</sup>	60 watts unprotected 200 watts with Automatic Power Control
<b>DYNAMIC RANGE<sup>5</sup></b>	45 dB	47 dB	50 dB	48 dB	49 dB	47.5 dB	54 dB	57 dB	52 dB
<b>AMPLIFIER OPERATING RANGE<sup>4</sup></b>	20-200 watts	20-200 watts	20-200 watts	15-150 watts	15-150 watts	12-150 watts	10-350 watts	10-350 watts	10-350 watts (LF-1) 85 watts (LF-2) included
<b>LONG TERM MAX ACOUSTIC OUTPUT<sup>5</sup></b>	105 dB SPL	107 dB SPL	110 dB SPL	108 dB SPL	109 dB SPL	107.5 dB SPL <sup>7</sup>	114 dB SPL	117 dB SPL	112 dB SPL
<b>FINISH</b>	Catalyzed lacquer on Endriana	Catalyzed lacquer on Endriana	Catalyzed lacquer on Endriana	Walnut-Grain Vinyl	Walnut-Grain Vinyl	Hand-rubbed oiled walnut with composition slate top	Hand-rubbed, oiled walnut	Hand-rubbed oiled walnut	Hand-rubbed, diamond-matched Endriana, sheen lacquered
<b>GRILLE</b>	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame. Black supplied with walnut cabinet	N/A
<b>DIMENSIONS:</b>									
<b>HEIGHT</b>	58.5cm (23")	64.8cm (25½")	75cm (29½")	58.5cm (23")	75cm (29½")	64.8cm (25½")	76.2cm (30")	99.1cm (39")	40.6cm (16")
<b>WIDTH</b>	37cm (14½")	39.4cm (15½")	41.9cm (16½")	37cm (14½")	41.9cm (16½")	48.3cm (19")	53.3cm (21")	76.2cm (30")	91.4cm (36")
<b>DEPTH</b>	31cm (12¼")	34.3cm (13½")	35.5cm (14")	31cm (12¼")	35.5cm (14")	40.6cm (16")	41.9cm (16½")	53.3cm (21")	91.4cm (36")
<b>SHIPPING WEIGHT</b>	16.3Kg (36 lbs.)	20Kg (44 lbs.)	27.2Kg (60 lbs.)	16.3Kg (36 lbs.)	21.8Kg (48 lbs.)	30.4Kg (67 lbs.)	43.1Kg (95 lbs.)	72.3Kg (166 lbs.)	59Kg (130 lbs.)/ 64.4Kg (142 lbs.)
<b>ACTUAL WEIGHT</b>	13.6Kg (30 lbs.)	16.8Kg (37 lbs.)	23.1Kg (51 lbs.)	13.6Kg (30 lbs.)	18.6Kg (41 lbs.)	25.9Kg (57 lbs.)	34.9Kg (77 lbs.)	64.9Kg (143 lbs.)	48.1Kg (106 lbs.)/ 55.3Kg (122 lbs.)

**1. SENSITIVITY:**

Measured at 1 meter 1 watt input referenced to 8 ohms, using pink noise which has been limited to a bandwidth of 500 Hz to 3 kHz.

**2. DISPERSION:**

Measured with pink noise limited to a bandwidth of 800 Hz to 8 kHz at a distance of 4 ft. at -6 dB point of reference.

**3. LONG TERM BROAD BAND MAXIMUM POWER:**

Measured with a source of pink noise limited to the frequency response bandwidth of the system over an extended time period.

**4. AMPLIFIER OPERATING RANGE:**

This figure is for amplifier selection guidance only. Do not mistake it for the speaker's power capacity.

Refer to full-line catalog for further clarification.

**5. LONG TERM MAXIMUM ACOUSTIC OUTPUT:**

Measured with a source of pink noise limited to the frequency response bandwidth of the system at a distance of 4 ft.

6. Measured with shelving controls set at Optimum.

7. Measured with shelving controls fully clockwise.

8. Minimum crest factor above 60 dB SPL at 1 meter.

\*U.S. Patent No. 4,187,926; Foreign patents pending.

\*\*U.S. Patent No. 4,050,541; Foreign patents pending.