



AVI SOUND INTERNATIONAL LTD.
 UNIT 170, 11120 BRIDGEPORT ROAD
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MODEL **AVI SL-200, 200 mm (8") SUBWOOFER DRIVER**

APPLICATIONS This is a subwoofer driver for medium sized high performance sound systems. Suggested operating range is 50 to 700 Hz.

PERFORMANCE 33 to 1850 Hz at -10 dB points, in optimum vented enclosure.
 52 to 700 Hz at -3 dB points, in optimum vented enclosure.
 400 watts music program material.
 200 watts AES pink noise rating.
 90 dB average, at 1 watt and 1 meter, in half space.
 4 ohm nominal, 3.1 ohm minimum.

FEATURES Cast aluminum frame with cavity vents, black finish.
 Extended and vented pole piece with integrated bottom plate.
 Both top and bottom plates with CNC and black absorbing finish.
 Yellow HX type woven fiberglass cone with linearity damped composite rubber edge.
 Heavy duty gold plated brass terminals.
 850 g (30 oz) magnet.
 50 mm (2") copper ribbon voice coil, OFC edge wound.

PHYSICAL 214 mm (8.4") overall diameter.
 96 mm (3.8") overall depth.
 182 mm (7.17") cut out hole diameter.
 89 mm (3.5") mounting depth.
 3 Kg (6.5 lbs) weight.

T/S DATA	Znom	4 Ω	Revc	3.1 Ω	Fo	39 Hz
	Sd	0.025 M ² (38.76 in ²)	Le	0.832 mH	SPL	90 dB
	Xmax	3.75 mm (0.15 in)	Qms	7.015	BL	9.46 TM
	Vas	26.83 L (0.95 ft ³)	Qes	0.34	Pnom	200 W
	Cms	412.5 μm/N	Qts	0.324	Pmax	400 W



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AVI SL-200 APPLICATION NOTE

	NET VOLUME	TOTAL VOLUME	PORTS	DIA	LENGTH	FILL	F _b (Hz)	F ₋₃ (Hz)	NOTES
CLOSED A	5.5 L 0.2 ft³	7 L 0.25 ft³						96	Qtc=0.707
CLOSED B	9.5 L 0.3 ft³	11 L 0.4 ft³						94	Qtc=0.577
VENTED A	10.5 L 0.4 ft³	14 L 0.5 ft³	1	65 mm 2.5"	390 mm 15.4"	Minimal	45	60	Optimum
VENTED B	17 L 0.6 ft³	20 L 0.7 ft³	1	65 mm 2.5"	300 mm 11.8"	Minimal	40	52	X-Bass
			1	75 mm 3"	410 mm 16"				
BANDPASS 4	5.5 L 0.2 ft³	7 L 0.25 ft³				Minimal		58	Closed
	5 L 0.2 ft³	7 L 0.25 ft³	1	65 mm 2.5"	170 mm 6.7"	Minimal	97	166	Vented
			1	75 mm 3"	235 mm 9.3"				
Install SL-200 into the closed cavity, facing to the vented cavity.									
BANDPASS 6	10.5 L 0.4 ft³	14 L 0.5 ft³	1	65 mm 2.5"	390 mm 15.4"	Minimal	45	56	Vented
	6.5 L 0.2 ft³	7 L 0.25 ft³	1	65 mm 2.5"	110 mm 4.3"	Minimal	94	129	Vented
Install SL-200 into the large vented cavity, facing to the small vented cavity. Both ports are vented to the outside.									

Note: Minimal Fill means one of each pair of opposing walls is covered with absorptive material.