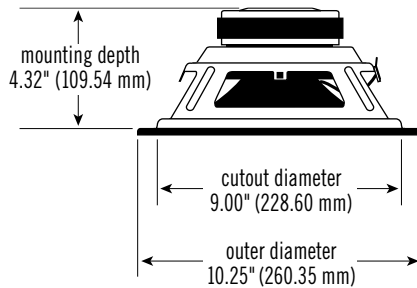


SPECIFICATIONS

DIAMETER:	10" (254.0 mm)
SENSITIVITY (2.83 V @ 1 m):	90 dB
POWER HANDLING:	300 W _{RMS}
FREQUENCY RESPONSE:	30 ~ 3,500 Hz
NOMINAL IMPEDANCE:	4 OHMS
VOICE-COIL DIAMETER:	3.0" (76.2 mm)

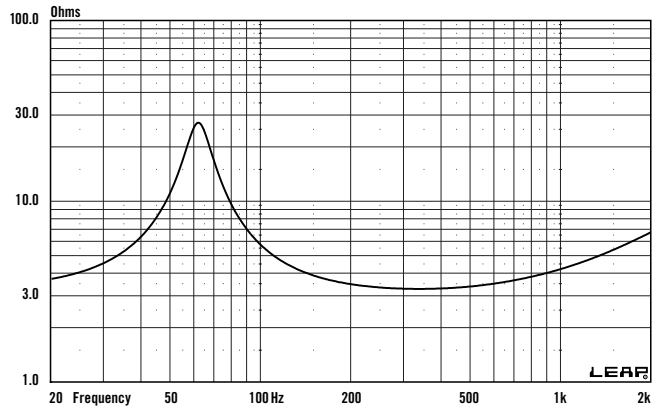
DIMENSIONS:



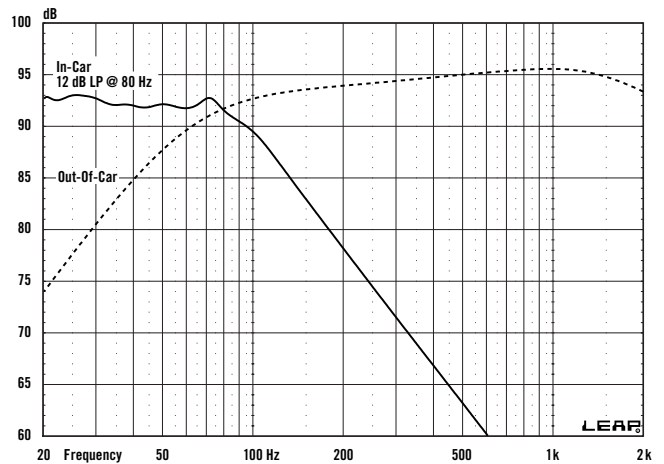
THIELE-SMALL PARAMETERS

VOICE COIL DC RESISTANCE:	R_{EVC} (OHMS)	3.20
VOICE COIL INDUCTANCE @ 1 kHz:	L_{EVC} (MH)	0.49
DRIVER RADIATING AREA:	S_D (IN ²)	53.24
	S_D (CM ²)	345.00
MOTOR FORCE FACTOR:	BL (TM)	10.04
COMPLIANCE VOLUME:	V_{AS} (FT ³)	0.81
	V_{AS} (LITERS)	18.98
SUSPENSION COMPLIANCE:	C_{MS} (μM/N)	112.29
MOVING MASS, AIR LOAD:	M_{MS} (GRAMS)	58.68
MOVING MASS, DIAPHRAGM:	M_{MD} (GRAMS)	55.00
FREE-AIR RESONANCE:	F_S (Hz)	62.00
MECHANICAL Q:	Q_{MS}	5.44
ELECTRICAL Q:	Q_{ES}	0.73
TOTAL Q:	Q_{TS}	0.64
MAGNETIC-GAP HEIGHT:	H_{AG} (IN)	0.28
	H_{AG} (MM)	7.11
VOICE-COIL HEIGHT:	H_{VC} (IN)	0.75
	H_{VC} (MM)	19.05
MAXIMUM EXCURSION:	X_{MAX} (IN)	0.24
	X_{MAX} (MM)	5.97

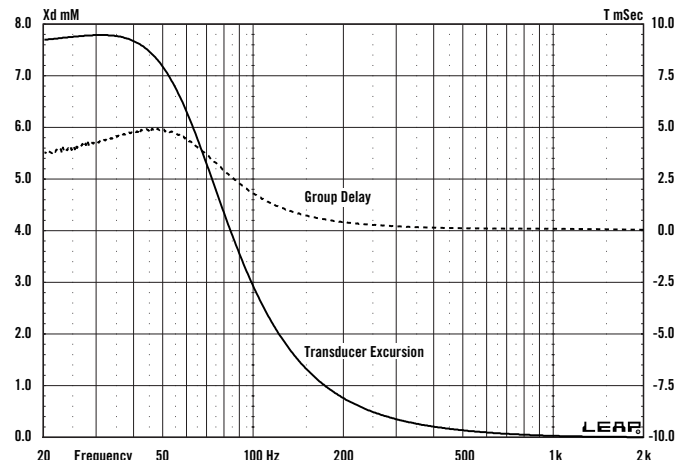
IMPEDANCE CURVE



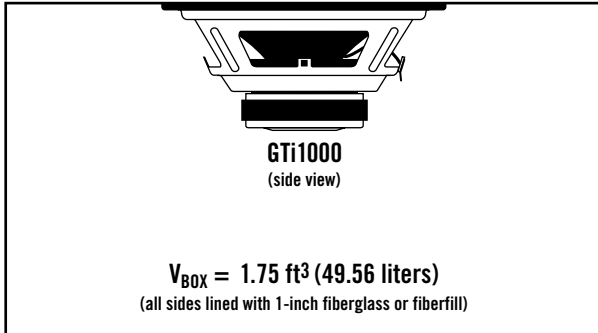
INFINITE BAFFLE FREQUENCY RESPONSE @ 2.83 V



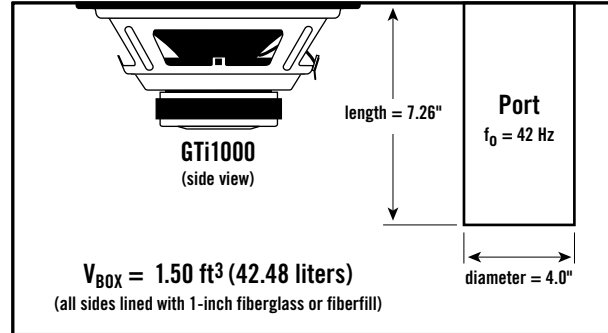
INFINITE BAFFLE EXCURSION/GROUP DELAY @ 100 W



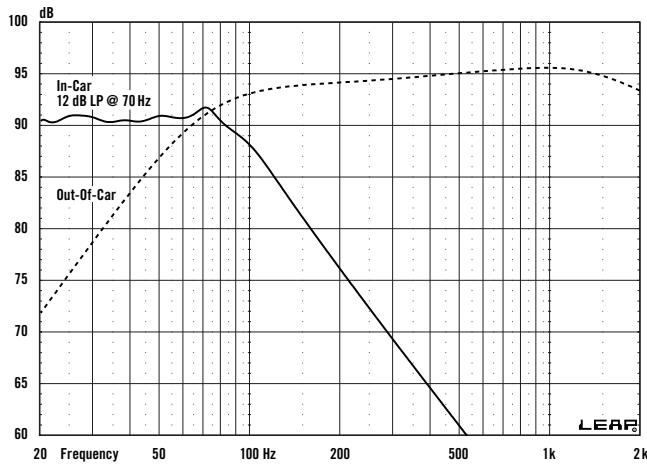
SEALED BOX VOLUME



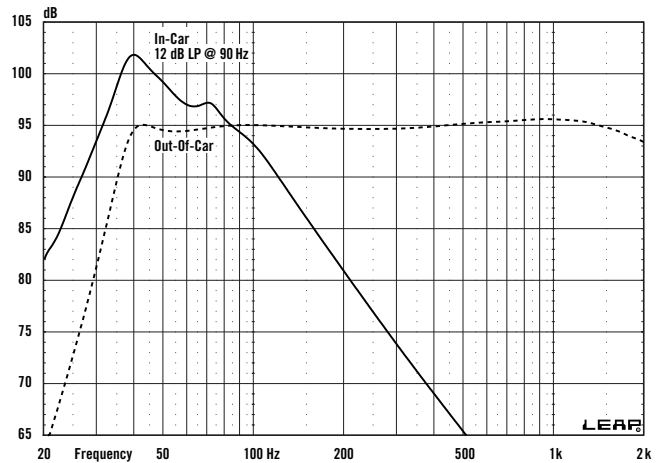
VENTED BOX VOLUME



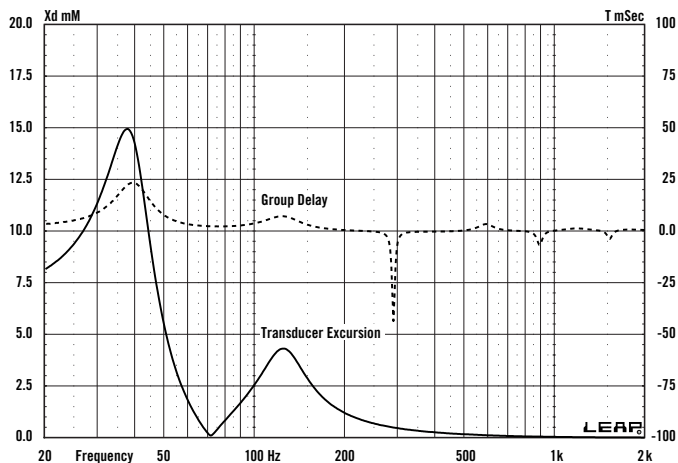
SEALED FREQUENCY RESPONSE @ 2.83 V



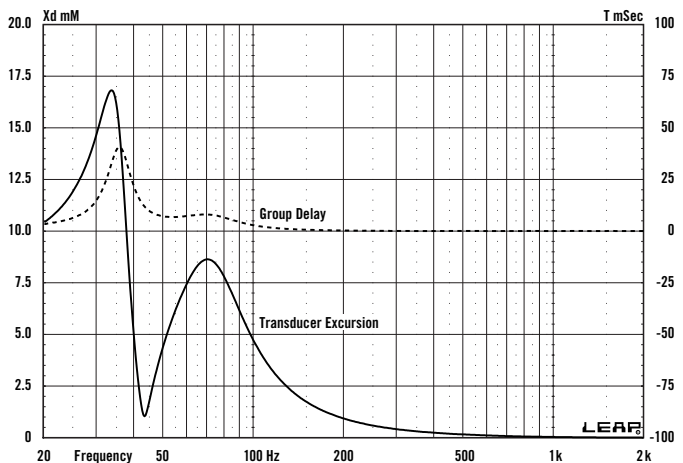
VENTED FREQUENCY RESPONSE @ 2.83 V



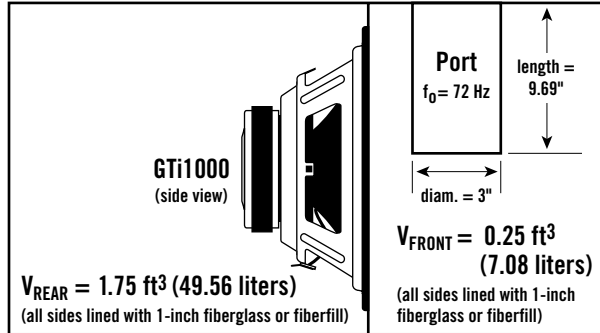
SEALED EXCURSION/GROUP DELAY @ 300 W



VENTED EXCURSION/GROUP DELAY @ 375 W

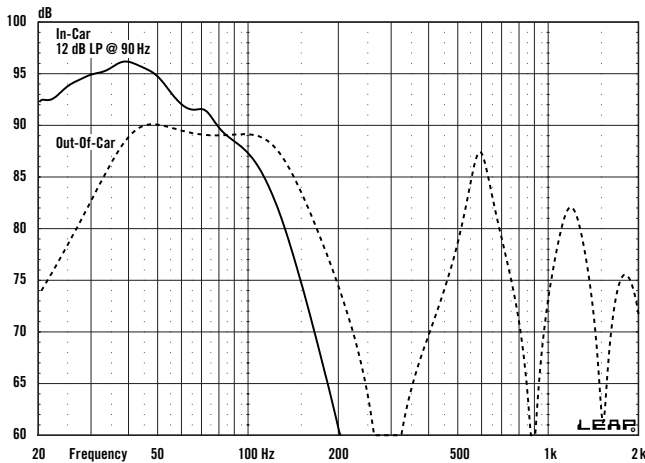


SEALED BANDPASS BOX VOLUME

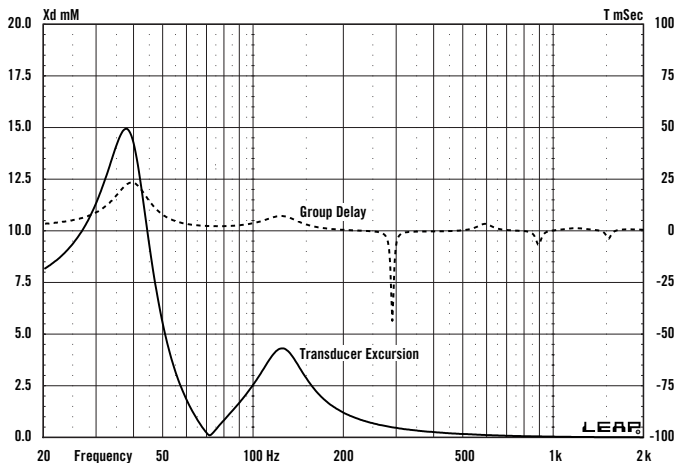


NOTES

SEALED BANDPASS FREQUENCY RESPONSE @ 2.83 V



SEALED BANDPASS EXCURSION/GROUP DELAY @ 300 W



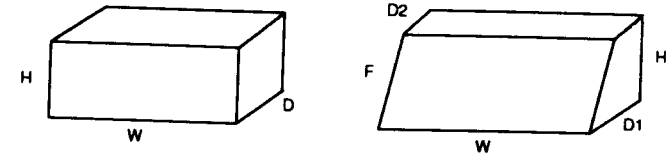


SUGGESTED ENCLOSURES FOR THE JBL1000GTI SUBWOOFER

ENCLOSURE VOLUME	PORT DIAMETER	PORT LENGTH	PORT TUNED FREQ.	*-3dB LOW CUTOFF	**INTERNAL DIMENSIONS	
					RECTANGULAR BOX H x W x D	WEDGE SHAPED BOX H x W x D1 x D2 x F
1.00 cu. ft.	4" dual 2"	10.7" 5.3"	50Hz	48Hz	12.5" x 20.2" x 7.7"	10.9" x 17.6" x 13.5" x 6.7" x 12.8"
1.5 cu. ft.	4" dual 2"	6.1" 3.1"	50Hz	42Hz	14.1" x 22.8" x 8.7"	12.3" x 19.9" x 15.3" x 7.6" x 14.5"
2.0 cu. ft.	4" dual 3"	6.7" 8.7"	42Hz	36Hz	15.4" x 25" x 9.6"	13.5" x 21.8" x 16.7" x 8.3" x 15.8"
1 cu. ft. Isobarik	dual 2"	8.2"	42Hz	36Hz	12.5" x 20.2" x 7.7"	10.9" x 17.6" x 13.5" x 6.7" x 12.8"
1.5 cu. ft. Isobarik	4" dual 3"	11.2" 13.7"	40Hz	33Hz	14.2" x 23" x 8.8"	12.4" x 20.1" x 15.4" x 7.7" x 14.6"

* Frequency at which speaker's output begins to diminish when measured in an open air environment. Actual in-car frequency response will yield a much lower -3dB point due to the effects of the car's interior.

** Box dimensions are adjusted to allow for the volume displaced by the speaker and the port tubes. Enclosure volumes are net box volumes.



Thiele/Small Parameters Fs: 62 Hz Qts: .64 Vas: .67 cu.ft. Eff: .89% Pe: 300 w Xmax .30" Dia: 8.25"

Qes: .72 Qms: 5.44 Re: 3.2 Ohms Le: .49 mh Vd: 16.0 cu. in. Sd: 53.47 sq. in. Nom Z: 4 Ohms Min Z: 3.7 Ohms @ 20Hz

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