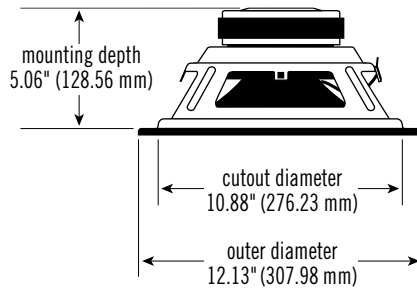


SPECIFICATIONS

DIAMETER:	12" (304.8 mm)
SENSITIVITY (2.83 V @ 1 m):	95 dB
POWER HANDLING:	200 W _{RMS}
FREQUENCY RESPONSE:	30 ~ 3,000 Hz
NOMINAL IMPEDANCE:	4 OHMS
VOICE-COIL DIAMETER:	1.95" (49.50 mm)

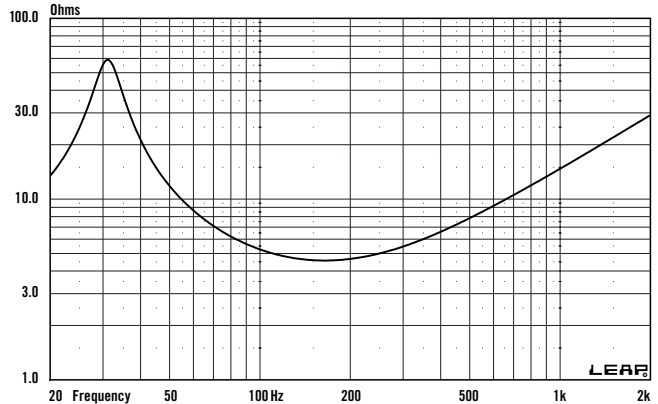
DIMENSIONS:



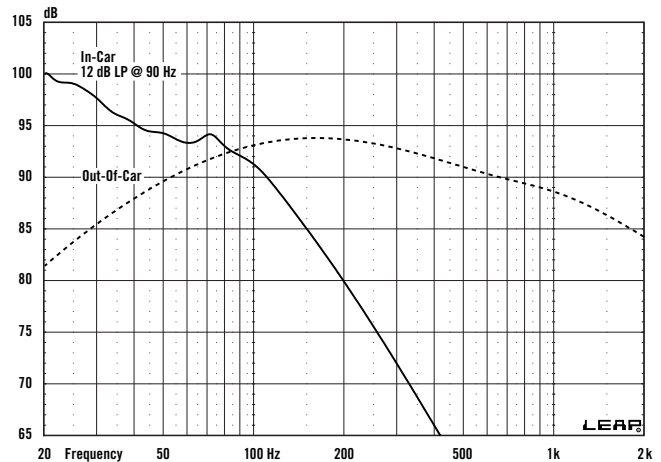
THIELE-SMALL PARAMETERS

VOICE COIL DC RESISTANCE:	R_{EVC} (OHMS)	4.40
VOICE COIL INDUCTANCE @ 1 kHz:	L_{EVC} (MH)	2.31
DRIVER RADIATING AREA:	S_D (IN ²)	77.62
	S_D (CM ²)	503.00
MOTOR FORCE FACTOR:	BL (TM)	12.42
COMPLIANCE VOLUME:	V_{AS} (FT ³)	5.40
	V_{AS} (LITERS)	127.28
SUSPENSION COMPLIANCE:	C_{MS} (μM/N)	354.26
MOVING MASS, AIR LOAD:	M_{MS} (GRAMS)	73.41
MOVING MASS, DIAPHRAGM:	M_{MD} (GRAMS)	66.92
FREE-AIR RESONANCE:	F_S (Hz)	31.21
MECHANICAL Q:	Q_{MS}	5.09
ELECTRICAL Q:	Q_{ES}	0.41
TOTAL Q:	Q_{TS}	0.38
MAGNETIC-GAP HEIGHT:	H_{AG} (IN)	0.31
	H_{AG} (MM)	8.00
VOICE-COIL HEIGHT:	H_{VC} (IN)	0.67
	H_{VC} (MM)	17.00
MAXIMUM EXCURSION:	X_{MAX} (IN)	0.18
	X_{MAX} (MM)	4.50

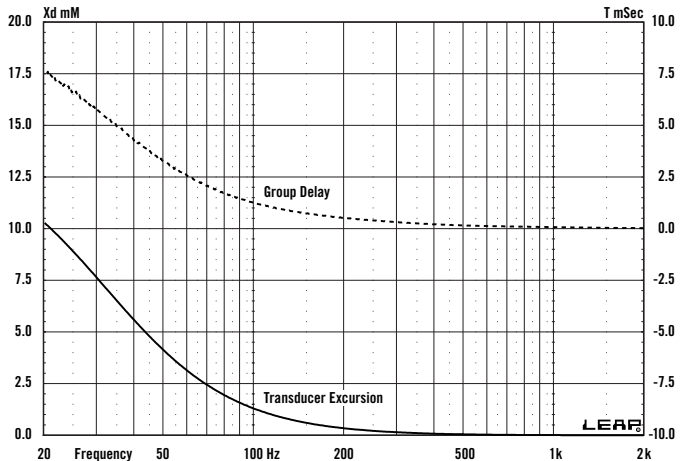
IMPEDANCE CURVE



**INFINITE BAFFLE
FREQUENCY RESPONSE @ 2.83 V**



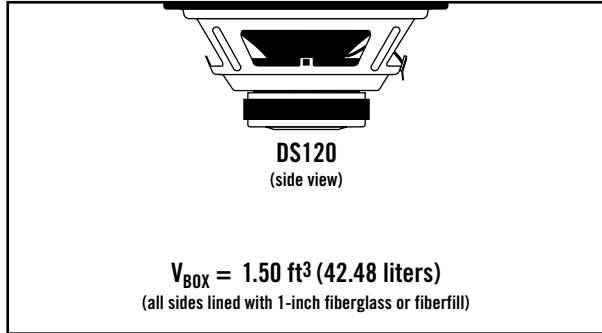
**INFINITE BAFFLE
EXCURSION/GROUP DELAY @ 50 W**



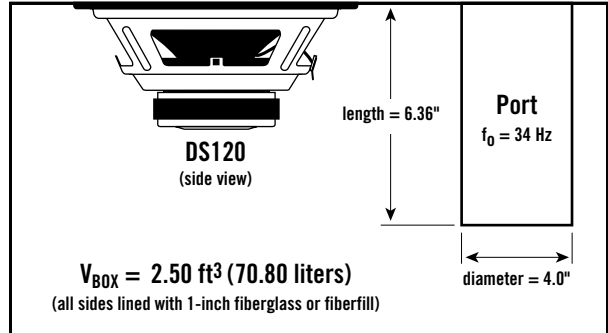


DS120 12" Woofer – Technical Data

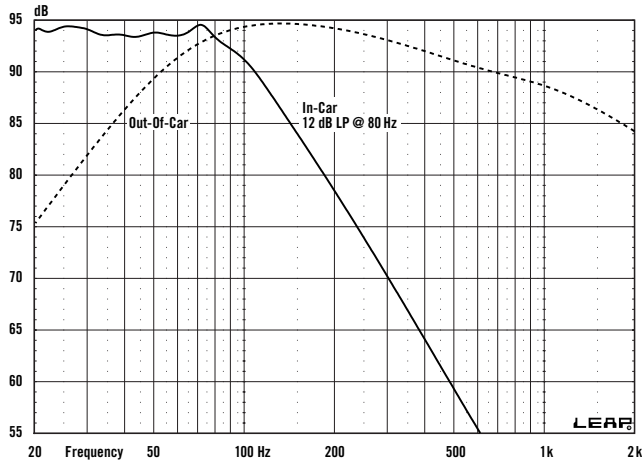
SEALED BOX VOLUME



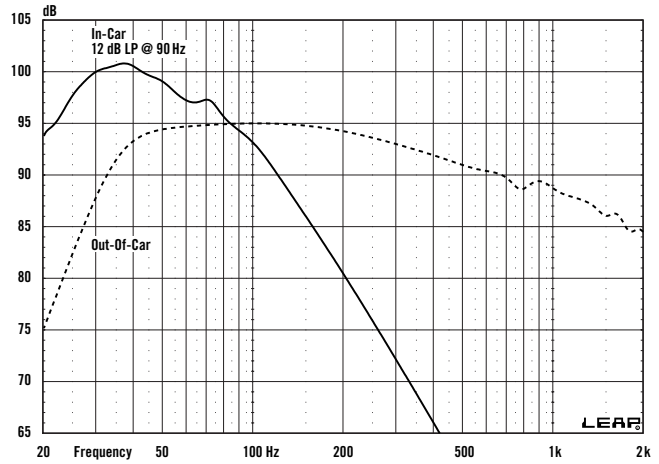
VENTED BOX VOLUME



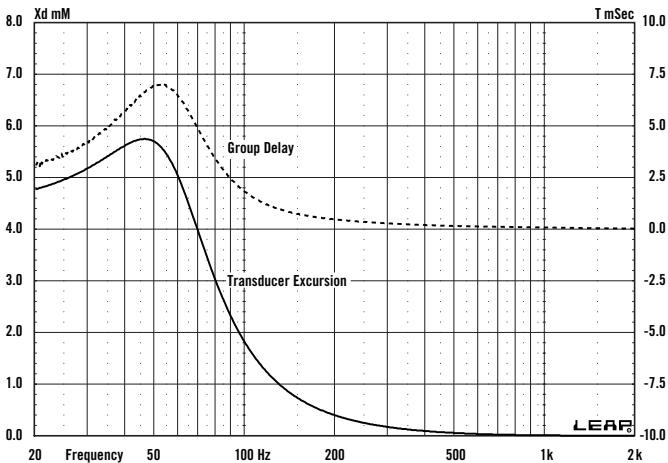
SEALED FREQUENCY RESPONSE @ 2.83 V



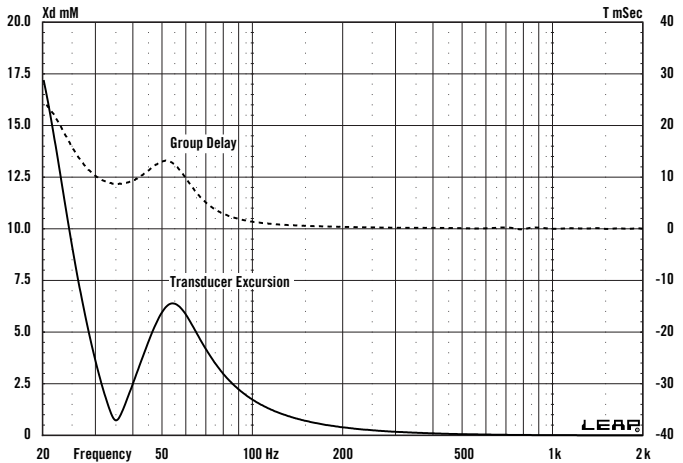
VENTED FREQUENCY RESPONSE @ 2.83 V



SEALED EXCURSION/GROUP DELAY @ 100 W



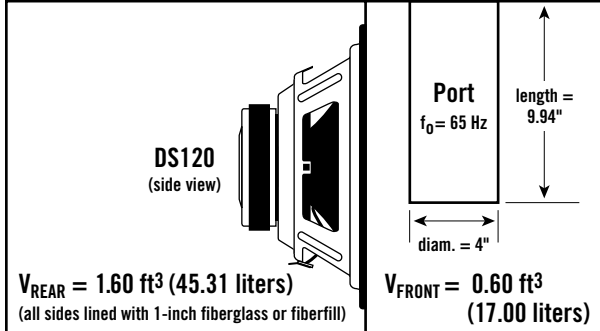
VENTED EXCURSION/GROUP DELAY @ 175 W





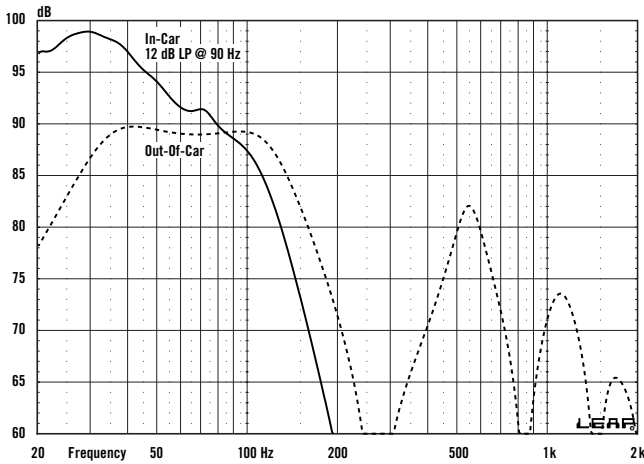
DS120 12" Woofer – Technical Data

SEALED BANDPASS BOX VOLUME



NOTES

SEALED BANDPASS FREQUENCY RESPONSE @ 2.83 V



SEALED BANDPASS EXCURSION/GROUP DELAY @ 125 W

