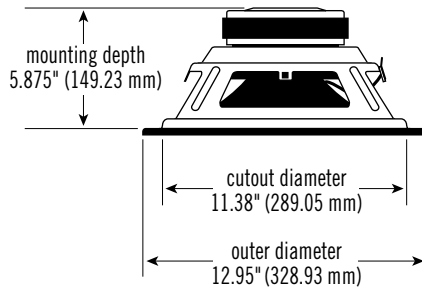


# Infinity *Beta TwelveXdvc 12" Woofer – Technical Data*

## SPECIFICATIONS

DIAMETER:	12" (304.8 mm)
SENSITIVITY (2.83V @ 1 m):	94 dB
POWER HANDLING:	275 WRMS
FREQUENCY RESPONSE:	20 ~ 400 Hz
NOMINAL IMPEDANCE:	4 OHMS (PER COIL)
VOICE-COIL DIAMETER:	2.0" (50.65 mm)

**DIMENSIONS:**

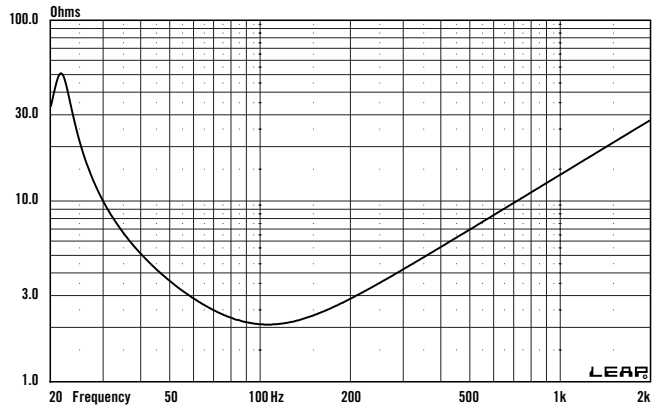


## THIELE-SMALL PARAMETERS\*

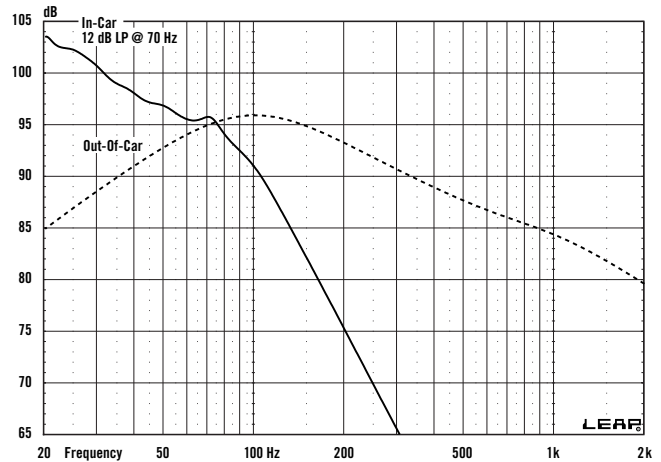
VOICE COIL DC RESISTANCE:	REVC (OHMS) . . . . .	2.00
VOICE COIL INDUCTANCE @ 1 kHz:	LEVC (MH) . . . . .	2.23
DRIVER RADIATING AREA:	SD (IN <sup>2</sup> ) . . . . .	81.94
	SD (CM <sup>2</sup> ) . . . . .	531.00
MOTOR FORCE FACTOR:	BL (TM) . . . . .	9.72
	COMPLIANCE VOLUME:	VAS (FT <sup>3</sup> ) . . . . .
	VAS (LITERS) . . . . .	202.33
SUSPENSION COMPLIANCE:	CMS (μM/N) . . . . .	505.33
MOVING MASS, AIR LOAD:	MMS (GRAMS) . . . . .	105.48
MOVING MASS, DIAPHRAGM:	MMD (GRAMS) . . . . .	98.44
FREE-AIR RESONANCE:	Fs (Hz) . . . . .	21.80
MECHANICAL Q:	QMS . . . . .	7.48
ELECTRICAL Q:	QES . . . . .	0.31
TOTAL Q:	QTS . . . . .	0.29
MAGNETIC-GAP HEIGHT:	HAG (IN) . . . . .	0.31
	HAG (MM) . . . . .	8.00
VOICE-COIL HEIGHT:	HVC (IN) . . . . .	1.11
	HVC (MM) . . . . .	28.10
MAXIMUM EXCURSION:	XMAX (IN) . . . . .	0.40
	XMAX (MM) . . . . .	10.05

\*VOICE COILS CONNECTED IN PARALLEL

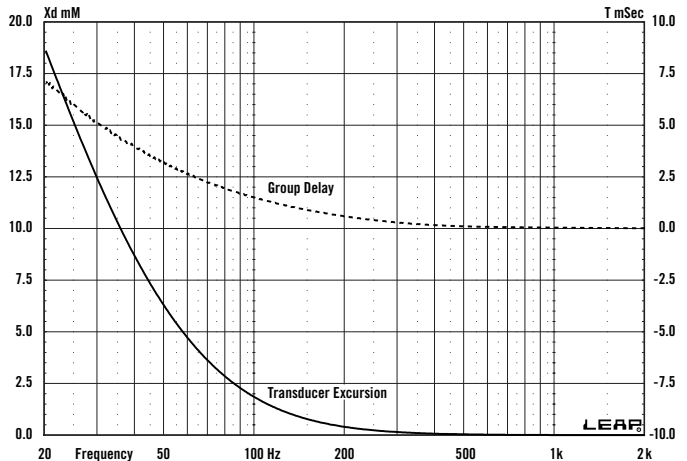
## IMPEDANCE CURVE



## INFINITE BAFFLE FREQUENCY RESPONSE @ 2.83 V

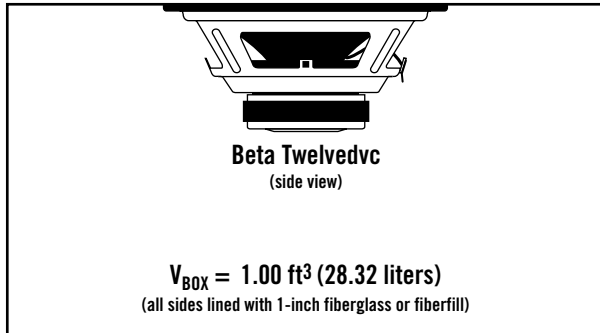


## INFINITE BAFFLE EXCURSION/GROUP DELAY @ 150 W

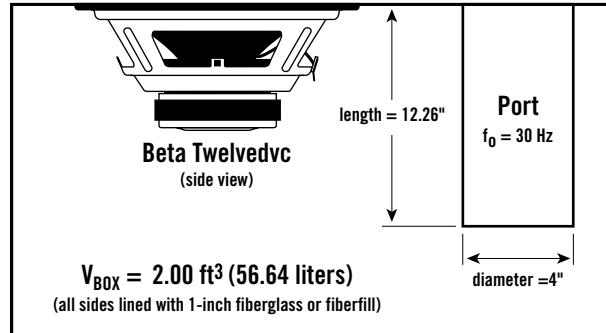


# Infinity *Beta TwelveXdvc 12" Woofer – Technical Data*

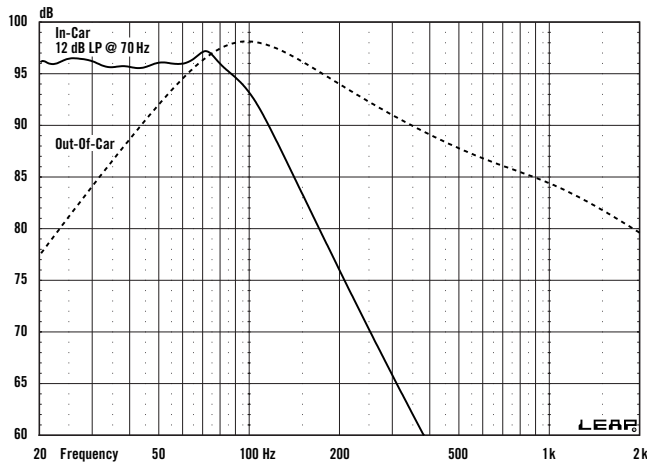
## SEALED BOX VOLUME



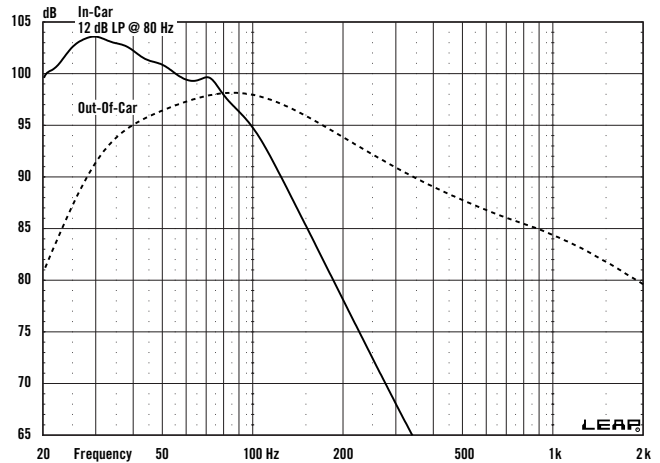
## VENTED BOX VOLUME



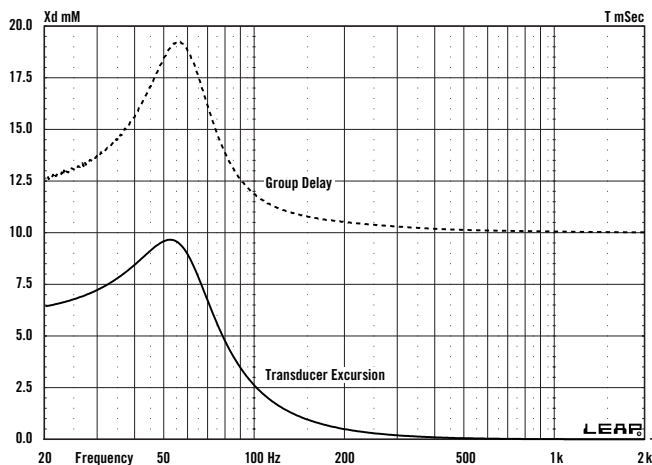
## SEALED FREQUENCY RESPONSE @ 2.83 V



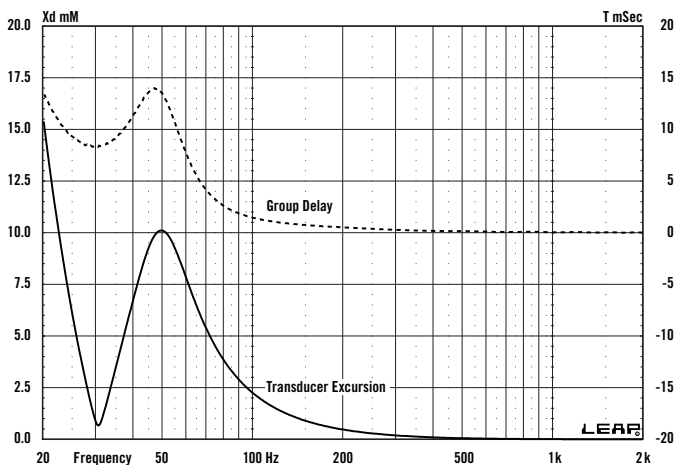
## VENTED FREQUENCY RESPONSE @ 2.83 V



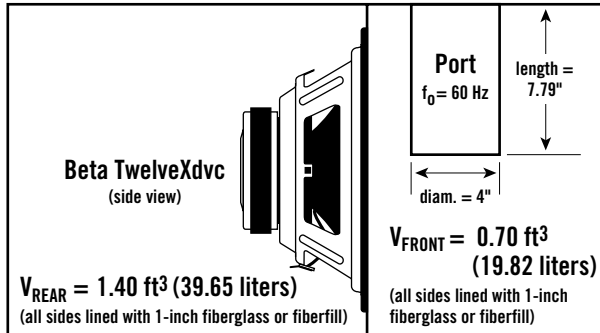
## SEALED EXCURSION/GROUP DELAY @ 350 W



## VENTED EXCURSION/GROUP DELAY @ 350 W

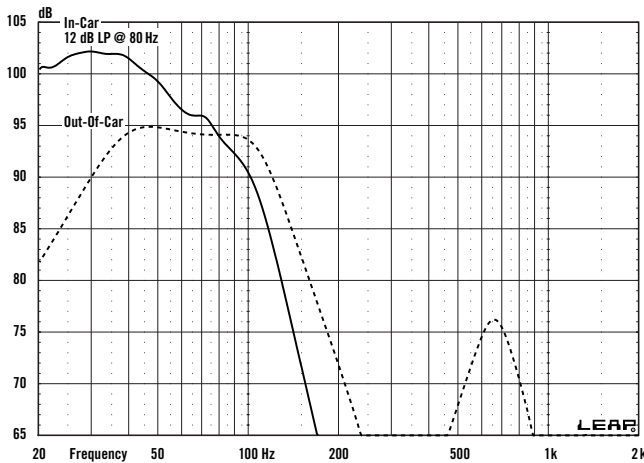


**SEALED BANDPASS  
BOX VOLUME**



**NOTES**

**SEALED BANDPASS  
FREQUENCY RESPONSE @ 2.83 V**



**SEALED BANDPASS  
EXCURSION/GROUP DELAY @ 200 W**

