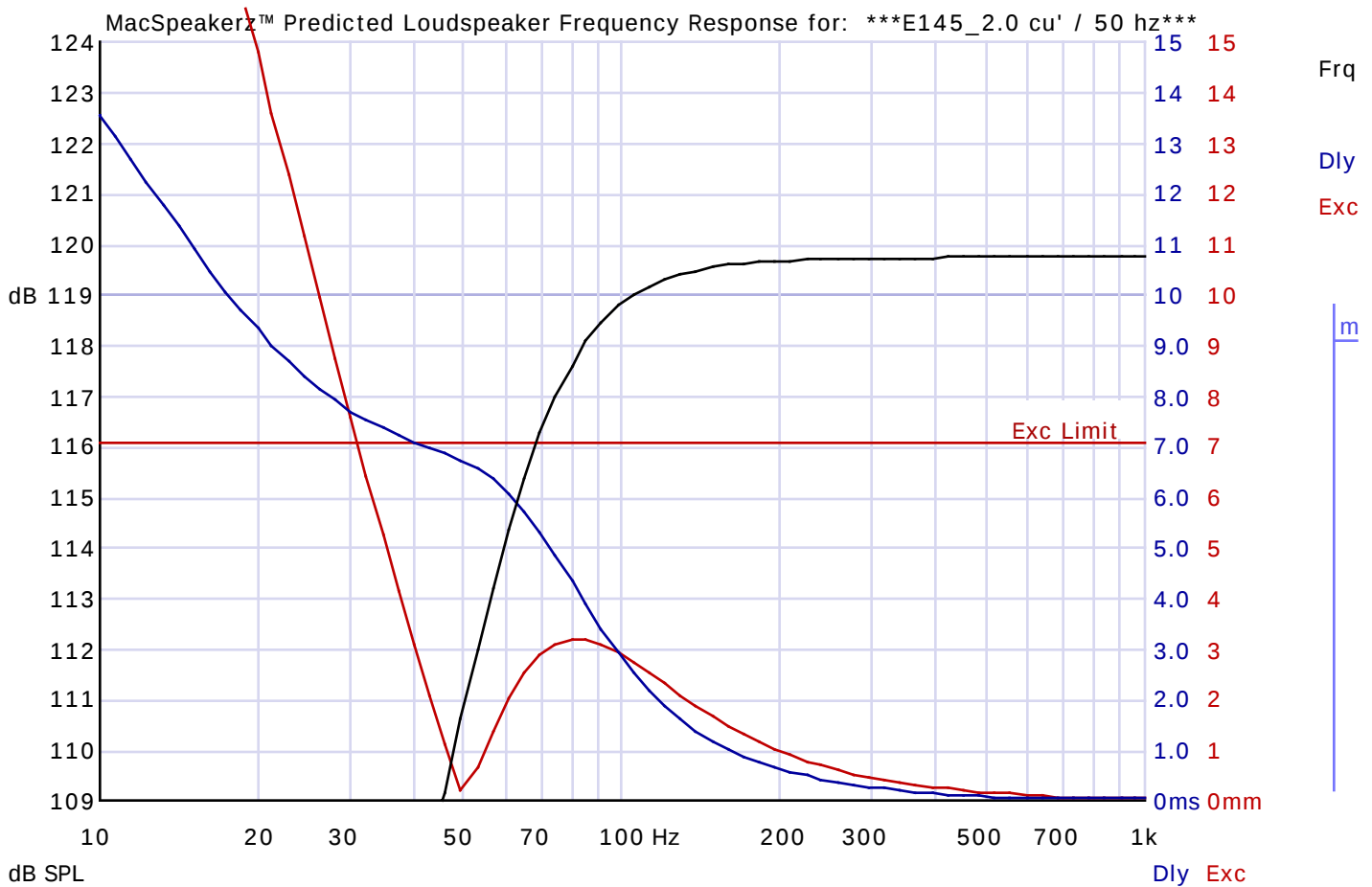




Driver Parameters

Driver: JBL E145

Nominal Diameter	D = 15 Inches
Free Air Resonance	f(s) = 35 Hz
Total Driver Q	Q(ts) = .25
Driver Electrical Q	Q(es) = .26
Driver Mechanical Q	Q(ms) = 6
Equiv. Volume	V(as) = 9.7 cubic ft.
Nominal Impedance	Z(nom) = 8 W
DC Resistance	R(e) = 5.7 W
Max Thermal Power	P(t) = 150 Watts
Peak Excursion	X(max) = .28 Inches
Piston Area	S(d) = 138.9 Sq. Inches
Efficiency	n(0) = 4.3 %
Sensitivity (1W/1m)	SPL = 98 dB
Voice Coil Inductance	L(e) = 1.6 mH
Magnet Weight	Magnet = 22.625 lbs.
Voice Coil Diam.	Diam(vc) = 4 Inches
BL Product	BL = 16.1 T * m
Flux Density	Flux = .97 Gauss
Dynamic Mass	M(as) = (Kg)
Voice Coil Length	L(vc) = 0 inches
Magnetic Gap Length	L(gap) = 0 inches

Box Parameters

Box Volume	V(B) = 2.005 cubic ft.
Box Frequency	F(B) = 50.00 Hz
Min Rec Vent Area	SVMin = 38.8 Sq Inches
Vent Surface Area	S(v) = 30.00 Sq Inches
Vent Length	L(v) = 11.678 Inches
Box Loss Q	Q(B) = 7.00

Subsystem Parameters

Subsystem Name: ***E145_2.0 cu' / 50 hz***

Number of Drivers	N = 1
Closed Box Q	Q(tc) = .592
Compliance Ratio	a = 4.84
Subsystem Input Power	P(in) = 150.0
SPL Distance	D = 1.00 m (3.28 ft)

Following are three different sets of dimensions which will give a box with internal volume V = 2.005 cu ft
(Note: these are internal dimensions of the finished enclosure, in inches)

Box 1	(1.62:1.00:0.62)	H = 24.513	W = 15.132	D = 9.382
Box 2	(1.49:1.04:0.65)	H = 22.546	W = 15.737	D = 9.805
Box 3	(1.25:1.00:0.80)	H = 18.914	W = 15.132	D = 12.105

Date Printed: 06/15/10

Time Printed: 12:12:05