



Driver Parameters

Driver:	DECWARE DHM108b	
Nominal Diameter	D = 10	in
Nominal Power	P = 278	Watts
Sensitivity (1W/1m)	SPL = 90	dB SPL
Free Air Resonance	f(s) = 40.8	Hz
Total Q	Q(ts) = 0.57	
Electrical Q	Q(es) = 0.618	
Mechanical Q	Q(ms) = 7.49	
Equivalent Volume	V(as) = 1.88	cu ft
Nominal Impedance	Z = 8	Ohms
DC Resistance	R(e) = 6.9	Ohms
Max Thermal Power	P(t) = 278	Watts
Max Linear Excursion	X(max) = 10	mm
Max Excursion	X(lim) = 0	mm
Voice Coil Diam.	D(vc) = 63	mm

Driver Notes:

NOTE: S(D) was estimated based on the nominal driver diameter.
 NOTE: Reference Efficiency was calculated based on the

System Notes:



Box Parameters

System Type: 6th Order Symmetric Bandpass Box

Rear Box Volume	V(B1) = 1.058	cu ft
Closed Box Q	Q(tc) = 0.95	
Front Box Volume	V(B2) = 0.666	cu ft
Box Frequency	F(B2) = 68	Hz
Min Rec Vent Area	S(vMin) = 0	sq in
Vent Surface Area	S(v) = 0	sq in
Vent Length	L(v) = 0	in
Series Capacitor	C1 = 565.3	µF
Series Inductor	L1 = 9.69	mH
Compliance Ratio	alpha = 0	
Box Loss Q	Q(B2) = 1000	

System Parameters

No. of Drivers	N = 1	
Isobarik Factor	I = 1	(1=normal, 2=iso)
Input Power	P(in) = 278	Watts
SPL Distance	D = 1	m

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System Name:

6th Order Symmetric Bandpass Box

Designer: Steve Deckert
 Title: Chief

Rev Date: Rev: