



### 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:** **4th Order Vented Box**

Box Volume	V(B) = 2.5	cu ft
Closed Box Q	Q(tc) = 0.7542	
Box Frequency	F(B) = 23	Hz
Min Rec Vent Area	S(vMin) = 21.8	sq in
Vent Surface Area	S(v) = 7.069	sq in
Vent Length	L(v) = 12.27	in
Compliance Ratio	alpha = 0	
Box Loss Q	Q(B) = 7	

### 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

**DECWARE High Fidelity Enginee**

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System Name:

**4th Order Vented Box**

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Designer: **Steve Deckert**  
 Title: **Chief**

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Rev Date: Rev: