



Product Specification

General Specifications

Type	Woofer			
Nominal Diameter	18	inch	457	mm
Rated Impedance	8	Ω		
Power Handling Capacity	1200	W(AES)		
Operating Bandwidth (± 10 dB)	35-400	Hz		
Sensitivity @ 1W 1M	97	dB		
Effective Piston Diameter	397	mm	15.6	inch
Voice Coil Diameter	99.3	mm	4	inch

Physical Information

Magnet	Type	Ferrite		
	Size (mm)	220	110	25
	Weight	125.7 oz.		
Basket	Material	Aluminum		
	Color	Black		
	Wire	SV-W(inside/outside)		
Voice Coil	Former	GSV		
		Paper		
Cone		Cloth		
Surround		Paper		
Dust Cap		Cotton		
Spider		EVA		
Gasket		1		
Unit Weight	(kg)	14.4		
Packing Quantity		1		
size	(mm)	505	505	270
	(inch)	19.9	19.9	10.6
	cu.ft	2.43	Gross Weight	16.2 kg

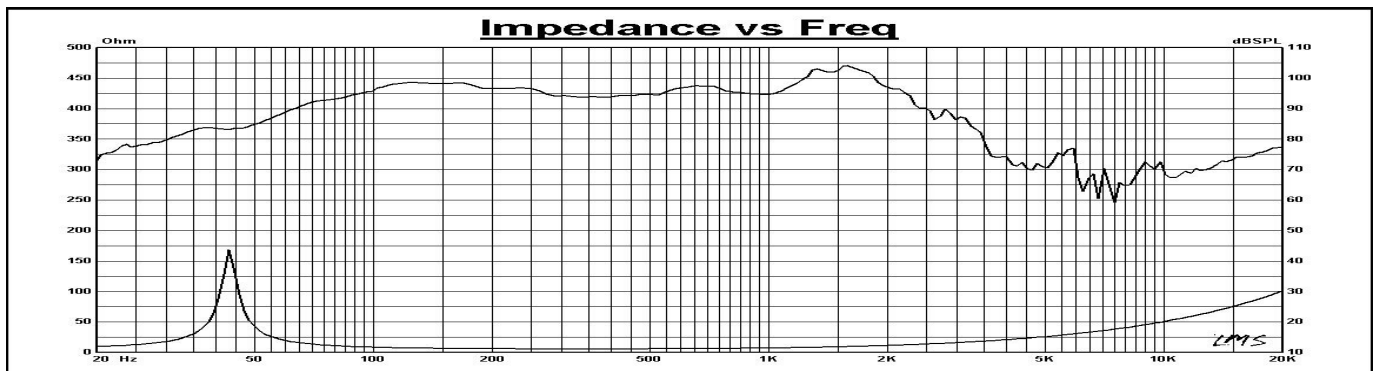
Thiele - Small Parameters

Resonance Frequency	F_s	43	Hz
DC Resistance	R_e	5.7	Ω
Mechanical Q Factor	Q_{ms}	13.13	
Electrical Q Factor	Q_{es}	0.45	
Total Q Factor	Q_{ts}	0.44	
BL Factor	BL	22.65	T x m
Moving mass including surround	M_{ms}	151.86	g
Moving mass excluding surround	M_{md}	127.21	g
Equivalent Gas air load	V_{as}	190.18	liters
Effective piston area	S_d	1225	cm ²
Voice - coil inductance @ 1KHz	L_e	0.80	mH
Half-space efficiency	Eff	3.24	%
Mechanical compliance	C_{ms}	9.1 e-05	m/N
Loss resistance of suspension	R_{ms}	3.14	Ns/m
Voice Coil Over-Hung	X_{max}	4.75	mm
Airgap Height	H_{ag}	15.5	mm
Voice coil Height	H_{vc}	25	mm

Power Test

Apply Voltage	-	V	Duration	-	hour
High pass	-	Hz	Low pass	-	Hz

Frequency Response



Revision	A
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Code Number	F01011811701PAA		
Model Name	P180/2244 BLACK 8 OHM		
Description	18" Ferrite Woofer		
Customer Name	PAA		
Tester	Kanayut.s	Date	3-Sep-12
Engineer	Eakkalak.s	Date	4-Sep-12
Approved	Dom P.	Date	4-Sep-12

Physical Dimensions

Overall Diameter	475	mm	18.7	inch
Baffle Cutout Diameter	425	mm	16.7	inch
Mouting Hole Diameter	450	mm	17.7	inch
Bolt Circle Diameter	8 x ϕ 6.5 mm			
Depth	195.8	mm	7.7	inch

