

# MADISOUND SPEAKER COMPONENTS

Audiophile Price List — July 2002

Central Time Hours: 9:00 a.m. to 5:00 p.m. Monday - Friday

Madisound Air Core Inductors					
mH	Size	Wire gauge	DCR	Power Watts	Cost
.10	SB†	20	.1	100	\$1.45
.15	SB/MB	20/19	.1 / .1	100	1.65
.20	SB/MB	20/19	.2 / .17	100	1.75
.22	MB	19	.18	100	1.80
.25	SB/MB	20/19	.31 / .2	100	1.80
.30	SB/MB	20/19	.34 / .3	100	1.90
.33	MB	19	.3	100	2.00
.35	SB/MB	20/19	.38 / .3	100	2.00
.40	SB/MB	20/19	.4 / .3	100	2.10
.45	SB/MB	20/19	.43 / .3	100	2.20
.50	SB/MB	20/19	.44 / .35	100	2.20
.55	MB	19	.37	100	2.20
.56	SB	20	.48	100	2.20
.60	SB/MB	20/19	.5 / .37	100	2.40
.67	SB/MB	20/19	.53 / .4	100	2.50
.70	MB	19	.41	100	2.50
.80	SB/MB	22/19	.88 / .45	100	2.60
.85	MB	19	.48	100	2.70
.90	MB	19	.5	100	2.80
1.00	MB	19	.5	150	2.80
1.10	MB	19	.6	150	2.95
1.25	MB	19	.7	150	3.30
1.50	MB	19	.75	150	3.50
1.75	LB	19	.8	150	4.40
1.90	MB	20	.84	150	4.70
2.00	LB	19	.9	150	4.80
2.25	LB	19	.95	150	4.95
2.50	LB	19	1.0	150	5.20
2.75	LB	19	1.05	150	5.40
3.00	LB	19	1.1	150	5.50
3.50	LB	19	1.2	150	5.80
4.00	LB	19	1.3	150	6.25



Madisound Iron Core Inductors					
mH	Size	Wire gauge	DCR	Power Watts	Cost
4.5	LB	18	.75	250	\$6.50
5.0	LB	18	.80	250	6.65
5.5	LB	18	.85	250	6.85
6.0	LB	18	1.0	250	7.40
7.0	LB	18	1.2	250	7.70
8.0	LB	18	1.4	250	8.20
9.0	LB	18	1.4	250	9.70
10.0	LB	18	1.4	250	10.50
12.0	XLB	18	1.1	250	11.20
15.0	XLB	18	1.3	250	12.60
18.0	XLB	18	1.5	250	13.20

†SB bobbin 38mm Ø x 20mm tall; MB bobbin 48mm Ø x 23mm tall  
 LB bobbin 59mm Ø x 32mm tall; XLB bobbin 54mm Ø x 55mm tall

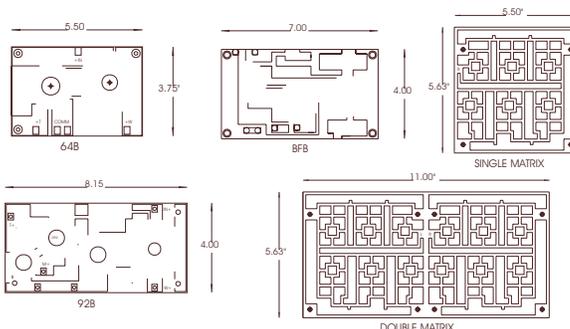
Surplus Capacitors		
.47 fd	Unknown Mylar 400V PC mount	.20
1.0 µfd	Nikko mylar, 10%, 400V, radial	.25
2.0 µfd	Unknown mylar, 10%, 200V	.35
fd	Ero mylar, 10%, 63V PC mount	.30
2.75 fd	Panasonic mylar, 10%, 250V long leads	.30
3.0 fd	T.I. mylar 10% 100V long leads	.40
3.3 fd	Panasonic Polyprop. 10% 200V radial	.60
4.7 µfd	Nikko mylar, 10%, 250V, Dipped	.80
6.8 fd	ERO polycarbonate, 10%, 63V	1.20
8.2 fd	Nichicon Mylar 5% 250V	1.10
10.0 fd	Matsushita Mylar 100 volt (Brown)	.90
40.0 fd	KSC electrolytic 100V axial	0.50

Wire-Wound Sand Cast Resistors		
15 Watt 12.5mm T x 12mm W x 46.5mm L		
25 Watt 13mm T x 14.5mm W x 60mm L		
1, 1.5, 2.2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6.6, 5, 7, 7.5, 8.9, 10, 14, 23	15W 10%	\$ .40 each
2.2, 2.7, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 20, 25	25 Watt 10%	.60 each

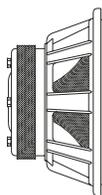
Eagle - Metal Oxide Film Non-Inductive Resistors		
5%, 10Watt, 8.5mmØ x 32mmL, 33mm leads		
1, 1.5, 2.2, 2.5, 2.7, 3.3, 3.5, 4, 4.7, 5, 5.6, 6.6, 8, 7, 8, 9, 10, 12, 14, 15, 16, 20, 25, 30, 50	New values! 9, 16, 50	\$1.00 each



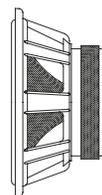
Circuit Boards for Crossovers, Soldered Lugs, Glass Epoxy			
12 dB 2-way (64B)	\$5.50	12 dB 3-way (92B)	\$7.00
18 dB 2-way (BFB)	6.00	Matrix Double	12.00
Matrix	6.00		



Autosound Steel Grills with Mounting Rings					
4.5"	3.50	6.5"	\$5.00	10"	\$7.00
5.25"	4.00	8"	6.00	12"	10.00



MADISOUND SPEAKER COMPONENTS  
 8608 UNIVERSITY GREEN  
 P.O. BOX 44283  
 MADISON, WI 53744-4283 U.S.A.  
 TEL: 608-831-3433 FAX: 608-831-3771  
 e-mail: info@madisound.com  
 Web Page: http://www.madisound.com



# MADISOUND LOW RESISTANCE INDUCTORS

MADISOUND is pleased to announce that we are now stocking SIDEWINDER and SLEDGEHAMMER Audio Inductors. These are audiophile grade inductors using 16 gauge wire with the following specifications:

- Hard drawn copper for maximum conductivity.
- Nylon-Polypropylene coating for maximum scuff and abrasion protection.
- Better than 101.3 % of National Electrical and Manufacturing Association (NEMA) standard sample.
- Power Handling capacity: more than 350 watts before saturation.
- Wire Diameter: .0525 inches; 1.5 mm.



## SIDEWINDER AUDIO INDUCTORS

### AIR CORE INDUCTORS

.1 mH	.1 Ω	\$2.20
.15	.11	2.40
.20	.14	2.60
.22	.14	2.70
.25	.15	2.80
.30	.16	3.00
.33	.18	3.20
.40	.18	3.35
.45	.2	3.80
.50	.22	4.50

### AIR CORE INDUCTORS

.55 mH	.23 Ω	\$4.65
.60	.24	4.75
.65	.27	4.90
.70	.28	5.10
.75	.29	5.40
.80	.30	5.40
.85	.31	5.50
.90	.33	5.75
1.00	.34	5.95
1.25	.38	6.55

### AIR CORE INDUCTORS

1.50mH	.43 Ω	\$7.50
1.80	.47	7.80
2.00	.52	8.05
2.25	.54	8.40
2.50	.59	8.80
3.00	.72	9.90
3.50	.76	10.90

### IRON CORE INDUCTORS

4.00	.53	9.00
4.50	.58	9.40

## SLEDGEHAMMER FERRITE BOBBIN INDUCTORS

1.0 mH	.10 Ω	\$6.75
1.2	.11	7.00
1.3	.12	7.20
1.5	.14	7.40



1.7 mH	.15 Ω	\$7.55
2.0	.16	7.85
2.2	.18	8.15
2.5	.19	8.50

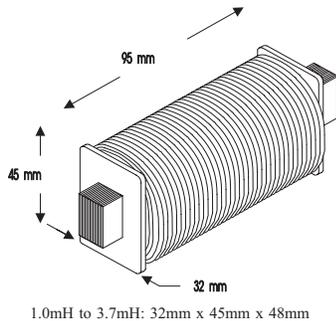
### FERRITE BOBBIN INDUCTORS

40mmØ x 30mm T

### FERRITE BOBBIN INDUCTORS

## SLEDGEHAMMER STEEL LAMINATE INDUCTORS

MADISOUND is pleased to offer a line of LOW distortion inductors. We are utilizing the good magnetic characteristics of high permeable steel alloy to give you inductors with high power capability, low DCR and low distortion. The inductors show significantly lower distortion in the low frequencies and will give cleaner sound reproduction for bass drivers, especially subwoofers. Just as you would use polypropylene capacitors for a noticeably cleaner sound in your midranges and tweeters, Madisound Sledgehammer Steel inductors will give you a noticeably cleaner bass. Sledgehammer Steel Laminate inductors use hard drawn 15 gauge copper wire for maximum conductivity and low DC resistance.



mH	DCR Ω	Price	mH	DCR Ω	Price
1.0	.100	\$6.00	5.5	.257	\$12.25
1.25	.120	6.50	6.0	.272	12.50
1.5	.140	7.00	6.5	.287	12.75
1.7	.147	7.75	7.0	.307	13.00
2.0	.156	8.00	7.5	.320	13.25
2.25	.162	8.50	8.0	.345	13.50
2.5	.164	8.80	8.5	.357	13.75
2.7	.168	9.00	9.0	.364	14.50
3.0	.178	9.75	10.0	.376	14.75
3.3	.185	10.25	12.0	.426	15.50
3.7	.200	10.75	13.0	.450	16.75
4.0	.210	11.25	15.0	.505	17.50
4.5	.231	11.75	18.0	.550	18.00
5.0	.242	12.00			

Values between sizes listed are also available. Add 20% to cost of value larger than your requirement.

# GOERTZ AIR CORE FOIL INDUCTORS

MADISOUND is pleased to offer Goertz air core foil inductors. Foil inductors have obvious advantages over wire wound inductors in terms of improved electrical and sonic characteristics.

- 1" wide x 0.003" 14AWG
- 99.99% pure copper foil
- 0.002" thick polypropylene film coating
- Negligible skin-effect below 100kHz
- Flat inductive reactance from 5Hz through 50kHz
- No saturation distortion
- Extremely low stored charge
- Cool operation, good heat dissipation
- High winding tension and vacuum fusing reduces FM distortion
- Negligible power loss due to skin-effect



## 14 AWG COPPER

mH	DCR	Dia. In.	Price	mH	DCR	Dia. In.	Price
0.10	.050	1.6	\$8.00	0.75	.162	2.5	\$13.10
0.15	.054	1.7	\$8.50	0.82	.175	2.6	\$13.50
0.22	.071	1.8	\$9.00	1.00	.188	2.7	\$15.00
0.25	.076	1.8	\$9.20	1.20	.220	2.8	\$16.50
0.27	.078	1.9	\$9.40	1.50	.251	3.0	\$18.60
0.30	.082	2.0	\$9.80	1.80	.300	3.2	\$21.00
0.33	.083	2.0	\$9.90	2.00	.315	3.3	\$24.00
0.39	.095	2.1	\$10.20	2.20	.332	3.4	\$24.10
0.47	.110	2.2	\$10.80	2.70	.370	3.5	\$27.90
0.50	.118	2.2	\$11.40	3.30	.421	3.7	\$32.40
0.56	.130	2.3	\$11.60	3.90	.477	3.9	\$37.00
0.62	.148	2.3	\$12.10	4.70	.547	4.1	\$43.00
0.68	.154	2.4	\$12.50	6.00	.658	4.2	\$58.20

## 16 AWG COPPER

mH	DCR	Dia. In.	Price
0.10	.078	1.3	\$6.60
0.15	.086	1.4	\$7.00
0.22	.112	1.5	\$7.30
0.25	.120	1.6	\$7.50
0.27	.124	1.6	\$7.70
0.30	.129	1.8	\$7.90
0.33	.130	1.9	\$8.10
0.39	.150	2.0	\$8.40
0.47	.173	2.1	\$8.90
0.50	.190	2.1	\$9.35
0.56	.204	2.2	\$9.50
0.62	.276	2.2	\$9.80
0.68	.242	2.3	\$10.10
0.75	.250	2.4	\$10.60
0.82	.276	2.5	\$11.00
1.00	.295	2.6	\$12.10
1.20	.343	2.7	\$13.40
1.50	.394	2.9	\$15.25

## 12 AWG COPPER

mH	DCR	Dia. In.	Price
0.10	.027	1.7	\$12.25
0.15	.032	1.8	\$12.75
0.22	.045	1.9	\$13.50
0.25	.047	2.0	\$13.95
0.27	.049	2.0	\$14.20
0.30	.052	2.0	\$14.75
0.33	.053	2.1	\$14.90
0.39	.087	2.2	\$15.50
0.47	.070	2.3	\$16.50
0.50	.075	2.4	\$17.20
0.56	.083	2.4	\$17.50
0.62	.091	2.4	\$18.20
0.68	.098	2.5	\$18.80
0.75	.105	2.6	\$19.50
0.82	.111	2.7	\$20.30
1.00	.120	2.8	\$22.40
1.20	.141	2.9	\$24.80
1.50	.160	3.1	\$26.80

## Special order 14 AWG SILVER

mH	DCR	Dia. In.	Price
0.10	.046	1.6	\$160.00
0.15	.050	1.7	\$164.00
0.20	.063	1.8	\$168.00
0.22	.065	1.8	\$169.00
0.27	.072	1.9	\$174.00
0.30	.075	2.0	\$179.00
0.33	.076	2.0	\$180.00
0.39	.087	2.1	\$185.00
0.47	.101	2.2	\$193.00
0.56	.120	2.3	\$202.00
0.68	.142	2.4	\$214.00
0.82	.161	2.6	\$228.00
1.00	.173	2.7	\$247.00
1.20	.202	2.8	\$268.00
1.50	.231	3.0	\$300.00

All silver made to order, special values available.

Madisound will no longer special order custom copper foil inductors. Silver foil inductors are still available by special order. Values not listed here are available directly from Alpha-Core.

If a special coil is needed for Madisound to construct a crossover for you, then we will charge 20% more than the next higher value coil and add \$6.00 for shipping.

International customers, who require special coils and also have an order in house with Madisound, may have their coils sent to Madisound and we would ship them out with your Madisound order.

# PERFECT LAY WINDING Air Core Inductors

MADISOUND is now stocking **PERFECT LAY WINDING** audio inductors from Solen Engineering. These are audio grade inductors using 14 gauge wire with the following specifications:

- Perfect Lay Hexagonal Winding. Winding Space Factor: 86.7%
- Oxygen Content: Less than 200 parts per million on surface.
- Insulation: 130 degree centigrade Single coating Nylon-Polyurethane.
- Computer Optimized Coil Dimension.
- Encapsulation: Varnish dip coating with 4 nylon ties.
- No Saturation distortion: Test voltage 1500 VAC
- No Hysteresis distortion: Test voltage 1500 VAX
- Inductance tolerance: within 1% of value listed.
- Conductivity: Better than 101.5% of National Electrical and Manufacturing Association (NEMA) standard sample.
- Wire Diameter: .064 inches; 1.63 mm. High Purity Annealed Copper.



mH	DC	Ht"	Ø"	Price	mH	DC	Ht"	Ø"	Price	mH	DC	Ht"	Ø"	Price
.22	.08	.56	2.25	\$5.70	.91	.20	.75	3.0	11.25	2.5	.36	.88	3.5	18.60
.33	.10	.63	2.5	7.40	1.0	.21	.75	3.0	11.95	2.75	.39	.88	3.5	19.50
.39	.11	.63	2.5	7.50	1.1	.23	.75	3.0	12.00	3.0	.42	.88	3.5	19.95
.47	.13	.63	2.5	8.00	1.2	.26	.75	3.0	12.70	3.3	.45	1.0	4.0	20.10
.56	.15	.63	2.5	8.85	1.3	.27	.75	3.0	13.30	3.7	.49	1.0	4.0	21.75
.62	.16	.63	2.5	9.40	1.5	.28	.75	3.0	13.85	4.0	.50	1.0	4.0	23.05
.68	.17	.75	3.0	9.50	1.8	.30	.88	3.5	15.40	4.5	.56	1.0	4.0	24.50
.75	.18	.75	3.0	10.00	2.0	.31	.88	3.5	16.40	5.0	.59	1.0	4.0	26.00
.82	.19	.75	3.0	10.60	2.25	.33	.88	3.5	17.70	5.5	.63	1.0	4.0	27.50
										6.0	.67	1.0	4.0	29.00

# CHATEAUX Polypropylene Solen Fast Caps

We are pleased to announce that we now have in stock **CHATEAUX METALLIZED POLYPROPYLENE CAPACITORS** of exceptional quality and excellent price. This type of dielectric has been characterized by Walter Jung as "outstanding" when compared with all other dielectrics in the areas of:

## DISSIPATION FACTOR PERCENTAGE-DIELECTRIC ABSORPTION PERCENTAGE-STABILITY

- Low dissipation factor
- Low dielectric absorption factor
- High insulation resistance
- High frequency and temperature stability
- Good self healing characteristics of polypropylene dielectric
- High Current Capacity
- Excellent Over voltage and Pulse handling capability



- Low self inductance
- Low equivalent series resistance
- Excellent stability
- Leads: Tinned pure copper multi-strand insulated sleeves.
- Superior high frequency characteristics
- High Ionization level
- Dissipation factor @ 20o C: Less than .01 %.
- Dielectric: Polypropylene Film.
- Working Voltage: 400 VDC or higher.
- Test Voltage: 2.15 times rated voltage

Dimensions in mm:	12 ufd: 27 D, 46 L	50 ufd: 39 D, 71 L	100 ufd: 54 D, 71 L
2 ufd: 18 D, 28 L	15 ufd: 28 D, 45 L	60 ufd: 39 D, 84 L	120 ufd: 54 D, 83 L
4 ufd: 18 D, 33 L	25 ufd: 34 D, 53 L	70 ufd: 43 D, 84 L	150 ufd: 60 D, 83 L
8 ufd: 21 D, 45 L	35 ufd: 35 D, 65 L	80 ufd: 49 D, 70 L	200 ufd: 60 D, 110 L

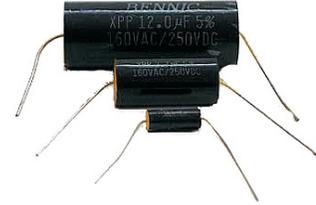
Audionhile Prices		5.0 ufd	\$2.45	18.0 ufd	\$5.65	60.0 ufd	\$14.20
1.0 fd	\$1.40	5.6	2.55	20.0	6.05	70.0	16.85
1.5	1.60	6.0	2.65	22.0	6.70	80.0	17.75
2.0	1.75	6.8	2.90	25.0	7.55	100.0	24.55
2.5	1.85	7.0	2.95	30.0	8.65	120.0	29.35
3.0	1.95	8.0	3.55	35.0	9.85	150.0	34.90
3.3	2.00	10.0	3.80	40.0	10.65	200.0	44.95
4.0	2.20	12.0	4.40	45.0	11.70		
4.7	2.35	15.0	4.95	50.0	12.90		

Pairs matched to within 1% of each other; add 10%.

# Bennic Capacitors (Electrolytic & Polypropylene)

## Metallized Polypropylene Capacitors, XXP Series, 160VAC/250VDC

Tolerance Range : +/- 5%  
 Dissipation Factor : Maximum 0.07% @ 1KHz  
 Operating Temp. : -40°C to +105°C  
 Capacitance Drift : Maximum 2% cycled through the operating temp. range  
 Insulating Resist. : Min. 10,000 Mega-Ohm X rated caps (mfd) at 25°C  
 Life Test : 150% of rated working voltage at 105°C for 1,000 hours  
 Lead Length : 40 mm minimum  
 Color : Black tape, Yellow body, White wording



Value mfd	D / L mm	Price Each	Value mfd	D / L mm	Price Each
0.1	6 / 16	\$0.30	4.7	19 / 36	\$2.05
0.47	8 / 24	\$0.50	5.6	17 / 45	\$2.25
1.0	10 / 31	\$0.65	6.8	18 / 45	\$2.40
1.5	12 / 31	\$0.80	8.2	20 / 46	\$3.20
2.2	14 / 31	\$1.10	10	23 / 46	\$3.60
2.7	15 / 31	\$1.25	12	22 / 55	\$3.90
3.3	16 / 35	\$1.50	16	24 / 55	\$5.05
3.9	16 / 35	\$1.75			

## BI-POLAR ELECTROLYTIC CAPACITORS, 100WV

Tolerance Range : +/- 10% @ 1KHz  
 Leakage : Maximum 0.04 CV + 3 µA After Charge 5 Minutes  
 Temp. Range : -40°C to +85°C  
 Surge Volt : 125 for 100WV  
 Lead Length : 40 mm minimum  
 Max D.F. : Maximum 5% @1KHz Values 12mfd to 140mfd  
 Maximum 10% @1KHz Values 165mfd to 1000mfd  
 Color : Blue

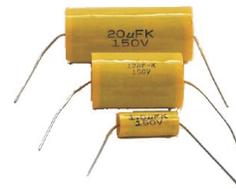


Value mfd	D / L mm	Price Each	Value mfd	D / L mm	Price Each
12	12 / 31	\$0.65	140	22 / 45	\$2.75
22	12 / 31	\$0.85	165	16 / 42	\$2.80
31	16 / 34	\$1.00	180	16 / 42	\$2.85
40	16 / 34	\$1.20	200	16 / 42	\$2.90
50	16 / 34	\$1.35	250	18 / 42	\$3.60
65	16 / 34	\$1.45	280	18 / 45	\$4.00
80	16 / 42	\$1.70	330	22 / 45	\$4.30
100	18 / 42	\$1.90	500	25 / 51	\$5.55
125	22 / 45	\$2.35	1000	25 / 60	\$8.55

## Carli Metallized Polyester Film Capacitors (Mylar)

Value µfd	Description	Ø mm	L mm	Price Each
1.0	Mylar 10% 150 volt	8	19	\$0.60
2.7	Mylar 10% 150 volt	10	31	1.00
3.3	Mylar 10% 150 volt	11	25	1.05
3.9	Mylar 10% 150 volt	12	31	1.15
4.7	Mylar 10% 150 volt	13	31	1.25
6.0	Mylar 10% 150 volt	14	31	1.50
6.8	Mylar 10% 150 volt	14	31	1.70
8.0	Mylar 10% 150 volt	16	31	1.95
10.0	Mylar 10% 150 volt	16	31	2.30

Value µfd	Description	Ø mm	L mm	Price Each
12.0	Mylar 10% 150 volt	20	31	2.75
15.0	Mylar 10% 150 volt	23	31	3.40
20.0	Mylar 10% 150 volt	21	46	5.00

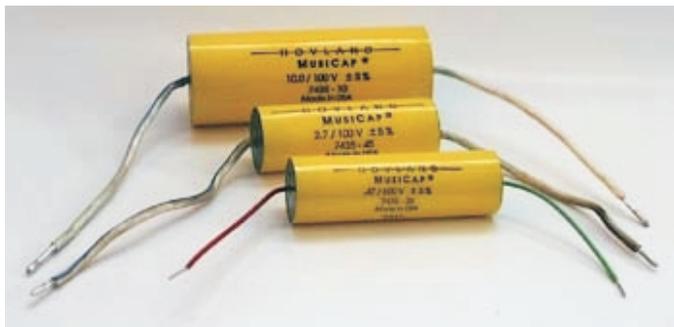


# MUSICAP by H O V L A N D

Madisound is pleased to offer Hovland MusiCaps, film and foil polypropylene capacitors, for the speaker builder who can settle for nothing but the best in sound reproduction. MusiCaps have quickly become the standard for extremely high end audio systems, allowing speakers to achieve their ultimate level of performance. MusiCaps provide a dramatic improvement in clarity, focus and dynamics. Although MusiCaps are expensive, the degree of improvement is a value compared to the cost of high end cables and interconnects. Hovland MusiCaps are the component of choice when musical realism is your goal.

F E A T U R E S

- Separate layers of polypropylene film & conductive foil, deliver superior clarity of reproduction
- Custom stranded 16 gauge silver-plated copper leads - no copper oxidation to ever degrade the sound
- Lead-free silver-bearing solder used in tinning and attachment of leads
- Tight  $\pm 5\%$  tolerances
- Hand Soldered lead termination
- Extremely low DA, DF and ESR
- 100% pre-testing for absolute quality assurance
- Consistent even winding tension assures freedom from microphonics
- A single capacitor = a singular sound; no time smear from multiple sections
- Blue striped lead to indicate lead connected to foil inner edge. (In a series connection the blue lead should be closer to the speaker; in parallel the blue lead should be closer to ground.)
- \*Coupling Caps, designed for use in electronics, but suitable for speakers. (Red lead should be closer to speaker in series connection.)



Value	WVDC	Dimensions (D x L)(Inches)	Price Each
0.01 $\mu\text{f}^*$	1600V	0.39 x 1.17	\$8.55
0.1 $\mu\text{f}^*$	600V	0.50 x 1.75	\$10.05
0.47 $\mu\text{f}^*$	600V	0.80 x 2.50	\$18.95
4.7 $\mu\text{f}^*$	100V	0.95 x 2.75	\$25.60
1.0 $\mu\text{f}$	100V	0.55 x 2.00	\$15.00
1.5 $\mu\text{f}$	100V	0.70 x 2.00	\$18.30
2.0 $\mu\text{f}$	100V	0.70 x 2.25	\$20.75
2.2 $\mu\text{f}$	100V	0.75 x 2.25	\$21.30
2.7 $\mu\text{f}$	100V	0.80 x 2.25	\$21.75
3.0 $\mu\text{f}$	100V	0.75 x 2.88	\$22.30
3.3 $\mu\text{f}$	100V	0.82 x 2.88	\$22.70
4.0 $\mu\text{f}$	100V	0.85 x 2.88	\$26.00
4.7 $\mu\text{f}$	100V	0.95 x 2.88	\$27.20
5.0 $\mu\text{f}$	100V	0.95 x 2.88	\$28.00
6.0 $\mu\text{f}$	100V	0.94 x 2.88	\$31.20
7.0 $\mu\text{f}$	100V	1.05 x 3.25	\$34.30
8.0 $\mu\text{f}$	100V	1.10 x 3.25	\$37.35
9.0 $\mu\text{f}$	100V	1.20 x 3.25	\$40.65
10.0 $\mu\text{f}$	100V	1.35 x 3.25	\$43.85

## What the reviewers say...

“After auditioning a wide variety of caps, I find these film-and-foil capacitors to be the most musical performers—and by a large margin. The MusiCap specializes in textural liquidity (lack of grain) and delicacy of treble nuances.”

*Dick Olsner, Reviewer and Designer for Samadhi Acoustics, November 1996 white paper*

“...the extra ambiance, combined with a very clean treble delivery that seemed far less prone to ringing or sibilance than the other types does make them really quite special.”

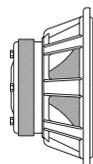
*Domini Baker, HI-FI WORLD SUPPLEMENT, August 1996*

“If you want see-thru, high definition, detail and listenability, try the MusiCaps.”

*Joe Roberts, Editor, SOUND PRACTICES, Issue 6 1994*

“The improved signal transmission of the Hovland foil capacitors elevated the [Ariel] speakers to a new level of naturalness, clarity, and immediacy.”

*Lynn Olson, POSITIVE FEEDBACK, Vol. 5, No. 4*



MADISOUND SPEAKER COMPONENTS, INC.

8608 UNIVERSITY GREEN

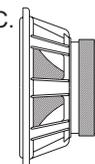
P.O. BOX 44283

MADISON, WI 53744-4283 U.S.A.

TEL: 608-831-3433 FAX: 608-831-3771

e-mail: info@madisound.com

Web Page: http://www.madisound.com



# General Electric Polypropylene Capacitors

**Madisound** has acquired a large lot of Metallized Polypropylene Capacitors manufactured by General Electric. We are offering these capacitors to you at a fraction of the normal selling price. We have at least 300 pieces of each value and some values over 15,000 pieces. The voltages of these capacitors make them suitable for use in speakers or electronics. Very low series inductance and series resistance minimize power dissipation and provide an extremely reliable product with unsurpassed performance characteristics.

**GE 40L Series Metallized Polypropylene Capacitor;** axial; 10%; 50 mm long tinned copper leads; white fire retardant tape with polyurethane potting compound; oval shape; dissipation factor 0.1% maximum

Value $\mu$ fd	Vdc	Vac	ESR (m $\Omega$ )	Dim. H mm	Dim. W mm	Dim. L mm	\$ 1-19	\$ 20-99	\$ 100+
5.0	400	250	7	16	22	43	0.95	0.75	0.50
10.0	400	250	7	20	26	55	1.70	1.40	1.10
0.22	600	330	.34	7	12	31	0.40	0.30	0.20
0.68	600	330	.55	12	18	31	0.50	0.35	0.25

40L Series



41/42L Series



**GE 41L Series Metallized Polypropylene Capacitor;** axial; 5%; 40mm long tinned copper leads, yellow polyester wrapping with epoxy resin end fill; dissipation factor  $5 \times 10^{-4}$  @ 1KHz and 25°C; low ESR (series resistance)

Value $\mu$ fd	Vdc	Vac	ESR (m $\Omega$ )	Dim. $\varnothing$ mm	Dim. L mm	\$ 1-19	\$ 20-99	\$ 100+
1.5	250	160	3.4	10	31	0.70	0.56	0.45
2.2	400	250	2.8	16	31	1.10	0.90	0.65
6.8	400	250	2.1	25	42	2.50	2.00	1.60
6.8	600	330	4.5	28.5	55	3.20	2.56	2.05
10.0	600	330	3.5	34.5	55	3.50	2.80	2.24
1.5	700	400	4.2	20.5	42	1.50	1.20	0.96

**GE 42L Series Metallized Polypropylene Capacitor;** axial; 5%; 40mm long tinned copper leads; yellow polyester wrapping with epoxy resin end fill; dissipation factor  $5 \times 10^{-4}$  @ 1KHz and 25°C; low ESR (series resistance)

Value $\mu$ fd	Vdc	Vac	ESR (m $\Omega$ )	Dim. $\varnothing$ mm	Dim. L mm	\$ 1-19	\$ 20-99	\$ 100+
0.15	850	450	9.5	10	31	1.05	0.84	0.67
0.33	850	450	4.8	14.5	31	1.40	1.12	0.90
0.47	850	450	3.5	17	31	1.60	1.28	1.02
0.68	850	450	2.7	20.5	31	1.85	1.48	1.18
1.0	850	450	3.1	20.5	42	2.15	1.72	1.38
1.5	850	450	2.3	24.5	42	2.70	2.16	1.73
2.0	850	450	2.0	28.5	42	3.15	2.52	2.02
0.15	1200	500	6.1	17	31	1.20	0.96	0.77
0.22	1200	500	4.5	20.5	31	1.25	1.00	0.80
0.33	1200	500	4.7	19.5	42	1.45	1.16	0.93
0.68	1200	500	2.7	27.5	42	1.90	1.52	1.22
1.0	1200	500	2.3	33.5	42	2.20	1.76	1.41
1.2	1200	500	2.8	29	55	2.50	2.00	1.60



**Madisound Speaker Components**  
P.O. Box 44283  
Madison, WI 53744-4283  
USA

Tel: 608-831-3433  
Fax: 608-831-3771  
e-mail: [info@madisound.com](mailto:info@madisound.com)  
<http://www.madisound.com>





**CB-CUP Input Cup \$1.55 each**  
 Chrome plated posts with plastic knobs and threaded inserts. Accepts banana plugs or 8 Awg. Wire. The cup is 3.15" square with a round 2.7" cut-out hole size.



**GB-CUP Input Cup \$2.05 each**  
 Gold plated posts with plastic knobs and threaded inserts. Accepts banana plugs or 8 Awg. wire. The cup is 3.15" square with a round 2.7" cut-out hole size.



**DB-CUP Input Cup \$3.15 each**  
 All brass gold plated posts with knurled caps. Accepts banana plugs or 4 Awg wire. The cup is 3.15" square with a round 2.7" cut-out hole size.



**D-CUP Input Cup \$3.15 each**  
 All brass gold plated posts with knurled caps. Accepts banana plugs or 4 Awg wire. The cup is 4.14" round with a 3" round hole size.



**R-CUP Input Cup \$3.15 each**  
 All brass gold plated posts with hexagonal caps. Accepts banana plugs or 4 Awg wire. The cup is 4.14" round with a 3" round hole size.



**G25-CUP Input Cup \$5.50 each**  
 All brass gold plated (25mm Ø) posts with ribbed caps. Accepts banana plugs or 2 Awg wire. The plate is 4.73" long by 1.97" wide. Cut-out, buy it first and decide.



**TD-CUP Input Cup \$8.10 each**  
 All brass gold plated posts with ribbed caps and straps for bi-wire applications. Accepts banana plugs or 4 Awg wire. The cup is 4.73" tall by 3.66" wide. Cut-out 3.7" x 2.9".



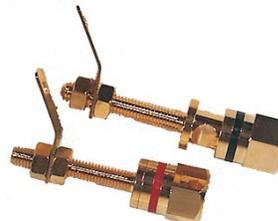
**VL-CUP Input Cup \$1.40 each.**  
 Blank cup for mounting terminals and/or L-pads etc. 7" tall by 5" wide. Cut-out is 5.875" x 3.875". Available either blank or with 4 pair of 3/4" spaced holes drilled.



**G-POST Terminal \$1.05 each**  
 All brass gold plated with knurled head. Accepts bananas or 4 Awg wire. Shaft length 1/2". Specify Red or Black.



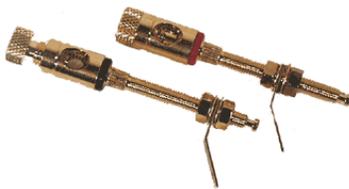
**G-POSTL Terminal \$1.35 each**  
 All brass gold plated with knurled head. Accepts bananas or 4 Awg wire. Shaft length 1". Specify Red or Black.



**HG-POST Terminal \$1.50 each**  
 All brass gold plated with Hex head. Accepts bananas or 4 Awg wire. Shaft length 1". Specify Red or Black.



**BG-POST Terminal \$1.65 each**  
 All brass gold plated with ribbed head. Accepts bananas, spades or 4 Awg wire. Shaft length 1". Specify Red or Black.



**YG-POST Terminal \$1.25 each**  
 All brass gold plated with knurled head. Accepts bananas, spades or 4 Awg wire. Shaft length 1.65". Specify Red or Black.



**RCA Female Terminal \$4.00 ea.**  
 All brass gold plated RCA with teftlon washers, solder tab and nut. 10mm shaft length. Solid shaft pin conductor with full surface capture.



**EG-SPLUG Banana \$2.25 each.**  
 All brass gold plated single banana plug. Accepts 6 Awg wire (5mm Ø). Has two set screws. Specify Red or Black.



**EG-PLUG Banana \$6.50 each.**  
 All brass gold plated dual banana plug with a standard 3/4" spacing. Accepts 6 awg wire. Wire is fastened by screw down head.



**N-POST Terminal \$0.70 each**  
 Chrome plated posts with metal inserted plastic knobs. Accepts 7 Awg wire. 1/2" long shaft. R or B



**Wall Mount Impedance Matching Volume Control**

- » For use with any combination of 4Ω or 8Ω speakers.
- » 43 watts RMS, 126 watts average
- » Attenuation: 10 steps
- » Mounting: single gang junction box
- » Screw type terminals

**VC-126I Price Each \$27.50**



**Flared Ports 3" & 4" ID**  
 Flared on both ends. 17" long max length. Cut center to fit.  
**3FLARE \$12.00 each**  
 Flange diameter 6 1/4"  
**4FLARE \$14.00 each**  
 Flange diameter 7 1/4"



**PEGLOCK Grill Fastener \$0.25 each** for a peg and socket.  
 Use 3/8" drill for peg & socket.  
 Nylon, very strong material.



**HEDLOCK Grill Fastener \$0.25 each** for a ball and socket.  
 Use 37/64" or 14.5mm for Socket.  
 Use 7/16" or 11mm for Ball.



**Foculpods Isolation Feet \$20.00 for a set of 4.**  
 Great for isolating vibrations from equipment or speakers.



**Decorative Port Trim Rings**  
**2COVER 2" ID \$2.00**  
**3COVER 3" ID \$2.00**  
**4COVER 4" ID \$2.50**



**S24 Sanus Stand \$48.00 pair**  
 24" Tall black stand with rubber feet and tiptoes. Top plate 6 7/8" square, base 11" square.



**T-Nut & Blk Allen Head Screws**  
**6-32 x 1" \$0.30 each**  
**8-32 x 1" \$0.35 each**  
**10-24 x 1 1/2" \$0.35 each**  
**1/4-20 x 1 3/4" \$0.40 each**



**YSC Cone Tiptoe \$0.90 each**  
 Chrome plated metallic gray color, including t-nut. 5/8" tall with metric M6 shaft (not 1/4-20)



**YSC1/4-20 Cone Tiptoe \$0.90 each**  
 Chrome plated metallic gray color, including t-nut. 5/8" tall with 1/4-20 shaft & insert.



**YLC Cone Tiptoe \$1.05 each**  
 Chrome plated metallic gray color, including t-nut. 1-3/8" tall with metric M6 shaft (not 1/4-20)



**YLC1/4-20 Cone Tiptoe \$1.05 each.**  
 Chrome plated metallic gray color. 1-3/8" tall with 1/4-20 shaft and threaded insert.



**YT Set of 4 Tiptoe \$2.15 set**  
 1/4" tiptoe x 1 3/4" long with threaded inserts and lock nuts. Use pointed or flat end.



**FT Fowler Tiptoe \$2.00 each or 10% off for a set of 8 pieces.**  
 1/4-20 shaft x 1 3/4" long. Threaded insert and lock nut.



**FBT Fowler Tiptoe \$3.00 each or 10% off for a set of 8 pieces.**  
 3/8-20 shaft x 2 1/8" long. Threaded insert and lock nut.



**YRF Rubber Foot \$0.40 each**  
 1.45" OD (37mm)  
 0.78" Tall (20mm)  
 1/4" hole (6mm)



**YBSC Sub Tiptoe \$3.95 each 1.5" Tall**  
 Great for heavy speakers, Black Chrome plated brass, 1.5" Tall, 1.25" diameter at base. Tiptoe, 1/4-20 threaded stud, threaded insert, foot pad. Perfect for large speakers or subwoofers. Could be used without tip.



**YBLC Sub Tiptoe \$4.10 each 2.15" Tall**  
 Great for heavy speakers, Black Chrome plated brass, 1.5" Tall, 1.25" diameter at base. Tiptoe, 1/4-20 threaded stud, threaded insert, foot pad. Perfect for large speakers or subwoofers. Could be used without tip.



**Nordost Wire Stripper \$25.00 ea**  
 This wire stripper is designed to help you pull the Teflon coating off the Nordost wire.



**Bucking Magnets for shielding**  
**19.2 oz magnet \$7.00 each**  
**6.3 oz magnet \$5.50 each**  
**3.7 oz magnet \$4.75 each**



**Felt Diffraction Ring for tweeters, 1/8" thick; \$2.00 each.**  
 4.37" (111mm) OD  
 1.62" (41mm) ID



**LP15 15W 8Ω L-pad \$2.75 ea**  
 1" shaft length, 1.6" Ø body  
**LP15-3/4 15W 8Ω L-pad \$2.75 ea**  
 - 3/4" shaft length, 1.6" Ø body  
**LP100 100W 8Ω L-pad \$5.75 ea**  
 3/4" shaft length, 2.45" Ø body



**HIGH & MID L-pad Cover Plates with knobs \$0.95 each.**  
 2.6" square  
 Specify High or Mid

If ordering the 15W L-pad, use the one with the 3/4" shaft length.



**SSV Scan speak vent \$7.00 each**  
 Scan-speak aperiodic vents are used in sealed boxes to reduce the system Q of the box. SSV's allow you to reduce your box size by about 25%. Use one up to 1 cf and 2 or more for larger boxes. 4.3" cut-out diameter

**Assorted Speaker Needs**

Grill Cloth, Black and Brown, 66" wide x #yards	7.00 /yd
Polyester fiberfill 16oz bag	3.00
Polyester 1" Batting 3'x8'	5.50
Acoustic Foam Sheets (27" x 42" x 5/8")	3.95
Virgin Audio Wool per pound	9.50
Acousta-stuf per pound	9.50
Screws.... Black #10 x 1" Pan head	.04
Screws.... Black #8 x 1" Pan head	.04
Screws....Black #6 x 3/4" Truss head	.04
Screws....Black #6 x 1/2" Pan head	.04
Screws....Black #6 x 3/4" Pan head	.04
Screws.... Black #6 x 3/4" Oval head	.04
1/8" Black Felt, adhesive backed by the foot, 32" wide	\$15.00 / foot
Gasket Material: 1/2" x 1/8" Foam adhesive tape	.15/foot

**Custom Cut PVC Ducts - Cream Color Piping**

Diameter	Less than 6"	6"-11.9"	12"-18"
1 Inch	\$1.75	\$2.75	\$3.75
1 1/2 Inch	\$2.00	\$3.00	\$4.00
2 Inch	\$2.00	\$3.00	\$4.00
2 1/2 Inch	\$2.25	\$3.25	\$4.25
3 Inch	\$2.50	\$3.50	\$4.50
4 Inch	\$3.00	\$4.00	\$5.00

We will cut to the exact length you need.

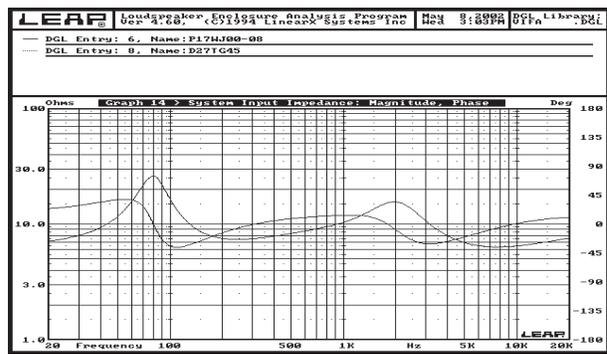
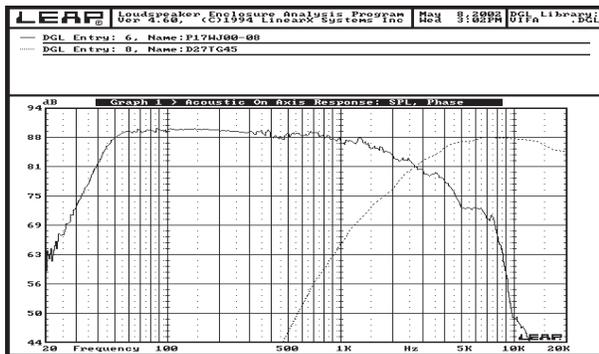
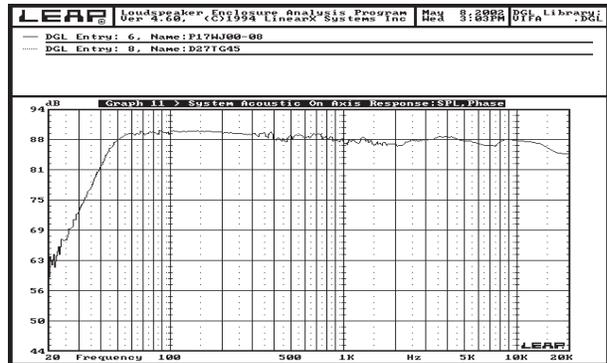
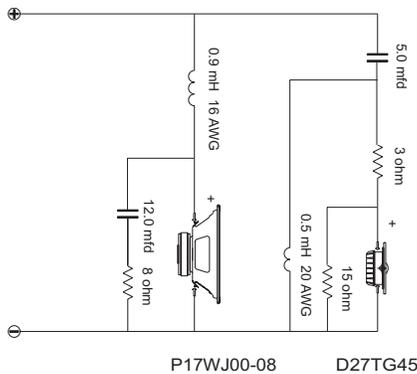


# Computer Aided Crossover Design

Crossover design has significantly evolved in the last decade. In the past you had to start with a theoretical design and then spend weeks tweaking until you came up with a crossover that sounded pretty good, but probably was not as good as it could be. Madisound has now developed the art of crossover design, providing the customer with a fully developed filter system in a fraction of the time necessary using older methods.

Madisound begins by taking all driver response and impedance measurements in our anechoic chamber using the Audio Precision measurement system. We then export this data into the Leap filter analysis program by Linearx. With the Leap program we can plot what would be an ideal curve for each driver, and then use Leap to try different filter values against the actual driver response curves, continually selecting those parts that bring the actual curve to that of the ideal curve. We then look at the total system response curve and select parts to match the ideal system response. The result is a flat response curve, to the limits of the selected driver responses. This method can be repeated for impedance correction to create an ideal impedance magnitude response. The finished design is excellent, and a good value!

The following curves are provided with each Leap design order:



## To place an order for a Leap design, Madisound we need to know the following:

- › What drivers are you using? They must be Madisound stock items. (In the case of 3 or 4 way systems, we could just use the woofers technical parameters.)
- › What are your box volumes, or do you wish us to determine them for you?
- › Are the drivers surface mounted, or routed into the cabinet for a flush mount? ( Flush recommended)
- › What slopes (6dB, 12dB, 18dB, 24dB) would you like us to design for, or would you prefer we choose?
- › Do you prefer a flat response, tapered response or relaxed midrange response?
- › What quality of inductors will you use? We will model using the DCR of the coils.

## Leap Design Pricing (Design only, not an assembled crossover)

2-Way Design	\$25.00	Sub /Sat Design	\$35.00	Special requests or projects?
3-Way Design	\$40.00	MTM 2-Way	\$30.00	Ask about pricing.
4-Way Design	\$55.00			

# NORDOST

Nordost is well known for their superior quality speaker cables and interconnects. The Nordost line of products offers something for everyone, Whatever product you choose, you should hear a noticeable improvement in sound quality.

There are too many products for us to give complete specs and reviews. All information is available on the Nordost web site at [www.nordost.com](http://www.nordost.com).

We stock most of the flatline products and items not in stock usually take about 5 days for us to receive.

## BULK WIRE

### Custom Installation Cables

CF142CL3P	14/2 CL3/plenum 500ft	\$1200.00
CF142CL3P/ft	Running foot	\$2.85 / ft
CF144CL3P	14/4 CL3/plenum 500ft	\$2080.00
CF144CL3P/ft	Running foot	\$4.95 / ft

### 2 Flat Speaker Cable (two conductor)

2FL50	50M 2-Flat Spool 164ft	\$320.00
2FL100	100M 2-Flat Spool 328ft	\$640.00
2FL/ft	Running foot	\$2.30 / ft

### 4 Flat Speaker Cable (four conductor)

4FL25	25M 4-Flat Spool 82ft	\$320.00
4FL50	50M 4-Flat Spool 164ft	\$640.00
4FL/ft	Running foot	\$4.60

### Flatline Gold MK II Speaker Cable (eight conductor)

FL25M	25M Flatline Spool 82ft	\$256.00
FL50M	50M Flatline Spool 164ft	\$504.00
FL61M	61M Flatline Spool 200ft	\$608.00
FLG/ft	Running foot	\$3.75

### Super Flatline MK II Bi-Wire Cable (sixteen conductor)

SF25M	25M Super Flatline Spool 82ft	\$584.00
SF50M	50M Super Flatline Spool 164ft	\$1120.00
SF/ft	Running foot	\$8.55

## SPEAKER CABLE PAIRS

### Flatline MKII Speaker Cable

FL2MB	2M Pair w / bananas	\$88.00
FL3MB	3M Pair w / bananas	\$112.00
FL4MB	4M Pair w / bananas	\$136.00
FL5MB	5M Pair w / bananas	\$160.00
FL6MB	6M Pair w / bananas	\$184.00
Add for each additional 1/2M pair		\$12.00

### Super Flatline MKII Bi-Wire Speaker Cable

SF2MB/BW	2M Pair w / bananas	\$176.00
SF3MB/BW	2M Pair w / bananas	\$224.00
SF4MB/BW	2M Pair w / bananas	\$272.00
SF5MB/BW	2M Pair w / bananas	\$320.00
SF6MB/BW	2M Pair w / bananas	\$368.00
Add for each additional 1/2M pair		\$24.00

### Solar Wind Bi-Wire Speaker Cable

SW2MB/BW	2M Pair w / bananas Bi-Wire	\$256.00
SW3MB/BW	3M Pair w / bananas Bi-Wire	\$320.00
SW4MB/BW	4M Pair w / bananas Bi-Wire	\$384.00
SW5MB/BW	5M Pair w / bananas Bi-Wire	\$416.00
SW6MB/BW	6M Pair w / bananas Bi-Wire	\$512.00
Add for each additional 1/2M pair		\$32.00

### Blue Heaven Rev II Bi-Wire Speaker Cable

BH2MB/BW Rev II	2M Pair w / bananas Bi-Wire	\$400.00
BH3MB/BW Rev II	3M Pair w / bananas Bi-Wire	\$496.00
BH4MB/BW Rev II	4M Pair w / bananas Bi-Wire	\$592.00
BH5MB/BW Rev II	5M Pair w / bananas Bi-Wire	\$688.00
BH6MB/BW Rev II	6M Pair w / bananas Bi-Wire	\$784.00
Add for each additional 1/2M pair		\$48.00

### Red Dawn Rev II Bi-Wire Speaker Cable

RD2MB/BW Rev II	2M Pair w / bananas Bi-Wire	\$960.00
RD3MB/BW Rev II	3M Pair w / bananas Bi-Wire	\$1280.00
RD4MB/BW Rev II	4M Pair w / bananas Bi-Wire	\$1600.00
RD5MB/BW Rev II	5M Pair w / bananas Bi-Wire	\$1920.00
RD6MB/BW Rev II	6M Pair w / bananas Bi-Wire	\$2240.00
Add for each additional 1/2M pair		\$160.00

## INTERCONNECT PAIRS

### Black Knight Interconnect

BK0.6MR	0.6M Pair with RCA	\$56.00
BK1MR	1M Pair with RCA	\$64.00
BK1.5MR	1.5M Pair with RCA	\$80.00
Add for each additional 1/2M pair		\$16.00

### Solar Wind Interconnect

SW0.6MR	0.6M Pair with RCA	\$72.00
SW1MR	1M Pair with RCA	\$88.00
SW1.5MR	1.5M Pair with RCA	\$108.00
Add for each additional 1/2M pair		\$20.00

### Blue Heaven Interconnect

BH0.6MR	0.6M Pair with RCA	\$136.00
BH1MR	1M Pair with RCA	\$160.00
BH1.5MR	1.5M Pair with RCA	\$192.00
Add for each additional 1/2M pair		\$32.00

### Red Dawn Interconnect

RD0.6MR	0.6M Pair with RCA	\$264.00
RD1MR	1M Pair with RCA	\$320.00
RD1.5MR	1.5M Pair with RCA	\$384.00
Add for each additional 1/2M pair		\$64.00

### MoonGlo MKII Digital Interconnect

MGD1MR MKII	1M Pair with RCA	\$160.00
MGD1.5MR MKII	1.5M Pair with RCA	\$192.00
Add for each additional 1/2M pair		\$32.00

Continued on next page ==>



OX3-3MR	3M with RCA	\$360.00
OX3-4MR	4M with RCA	\$420.00
OX3-5MR	5M with RCA	\$480.00
OX3-6MR	6M with RCA	\$540.00
	Add for each additional 1/2M single	\$30.00

<b>Optix RGB - HV 5 Coax Video</b>		
OX5-1MR	1M with RCA	\$400.00
OX5-2MR	2M with RCA	\$500.00
OX5-3MR	3M with RCA	\$600.00
OX5-4MR	4M with RCA	\$700.00
OX5-5MR	5M with RCA	\$800.00
OX5-6MR	6M with RCA	\$900.00
	Add for each additional 1/2M single	\$50.00

### MISCELLANEOUS ITEMS

<b>El Dorado Power Cable</b>		
ED2M	Power Cord 2 meter	\$480.00
ED3M	Power Cord 3 meter	\$640.00
	Add for each additional 1/2M	\$80.00
<b>Cable Burn-in System</b>		
CBD1	Cable burn-in system	\$960.00
<b>Connectors</b>		
FLGP8	8 pcs gold pin w/boots	\$24.00
FLGP100	100 pcs gold pin w/boots	\$240.00
NZGB8	8 pcs Z gold banana w/boots	\$28.00
NZGB100	100 pcs Z gold banana - bulk	\$240.00
NGS8	8pcs gold spade w/boots	\$40.00
NG3100	100 pcs gold spade - bulk	\$360.00
FLO21	Flatline stripping tool	25.00

### TYPES OF TERMINATION

<b>Additional charges may apply. Call for amount.</b>	
B	Z Gold Banana Plug
S	Gold Spade (Same price as banana)
P	Gold Pin (Same price as banana)
R	RCA
XLR	XLR
BNC	BNC

### LENGTH CONVERSIONS

0.6M	2 ft
1M	3.3 ft
1.5M	5 ft
2M	6.6 ft
2.5M	8 ft
3M	10 ft
3.5M	11.5 ft
4M	13.3 ft
4.5M	15 ft
5M	16.6 ft
5.5M	18 ft
6M	20 ft
25M	82 ft
50M	164 ft
61M	200 ft
100M	328 ft

### MoonGlo MKII Balanced Digital Interconnect

MGD1MXLR MKII	1M Pair with XLR	\$208.00
MGD1.5MXLR MKII	1.5M Pair with XLR	\$240.00
	Add for each additional 1/2M pair	\$32.00

### Silver Shadow Mono Filament Digital Interconnect

SS1MR	1M Pair with RCA	\$400.00
SS1.5MR	1.5M Pair with RCA	\$496.00
	Add for each additional 1/2M pair	\$96.00

### Silver Shadow Mono Filament Digital Interconnect

SS1MXLR	1M Pair with XLR	\$480.00
SS1.5MXLR	1.5M Pair with XLR	\$592.00
	Add for each additional 1/2M pair	\$112.00

### HOME THEATER INTERCONNECTS

#### BassLine Shielded Interconnect

BSL0.6MR	0.6M Pair with RCA	\$136.00
BSL1MR	1M Pair with RCA	\$168.00
BSL1.5MR	1.5M Pair with RCA	\$208.00
	Add for each additional 1/2M pair	\$40.00

#### BassLine Shielded Sub-Woofer Interconnect

BSLSW3MR	3M Single with RCA	\$144.00
BSLSW4MR	4M Single with RCA	\$184.00
BSLSW5MR	5M Single with RCA	\$224.00
BSLSW6MR	6M Single with RCA	\$264.00
BSLSW7MR	7M Single with RCA	\$304.00
BSLSW8MR	8M Single with RCA	\$344.00
	Add for each additional 1/2M single	\$20.00

### Optix Video Cable - 75 ohm

#### Optix Composite Video

OX1-1MR	1M with RCA	\$80.00
OX1-2MR	2M with RCA	\$100.00
OX1-3MR	3M with RCA	\$120.00
OX1-4MR	4M with RCA	\$140.00
OX1-5MR	5M with RCA	\$160.00
OX1-6MR	6M with RCA	\$180.00
	Add for each additional 1/2M single	\$10.00

#### Optix Super S Video

OX2-1MSV	1M with S-Video Connector	\$200.00
OX2-2MSV	2M with S-Video Connector	\$240.00
OX2-3MSV	3M with S-Video Connector	\$280.00
OX2-4MSV	4M with S-Video Connector	\$320.00
OX2-5MSV	5M with S-Video Connector	\$360.00
OX2-6MSV	5M with S-Video Connector	\$400.00
	Add for each additional 1/2M single	\$20.00

#### Optix YIQ 3 Coax Component Video

OX3-1MR	1M with RCA	\$240.00
OX3-2MR	2M with RCA	\$300.00

# GOERTZ SPEAKER CABLES

- **GOERTZ HT 14AWG COPPER**

Easy to install under carpeting and behind baseboards.

**On the spot termination:** Termination may be performed using the Goertz Rhodium plated connectors or the G-HT may be notched to form integral spades which will fit into the screw terminals. In both cases no soldering is required. The notching pliers are available to buy in "Accessories."

- **GOERTZ MI 1 13AWG COPPER (AG 1 SILVER 12AWG)**

The original Goertz cable, MI 1 in 13 gauge (AWG) solid Oxygen Free Copper (OFC) or 12 gauge AG 1 in solid High Purity Silver. The heavy, high purity Oxygen Free Copper (OFC) or solid high purity silver ribbons are sandwiched together, separated only by micro-thin layers of film insulation. The minute amount of active dielectric also provides rapid break-in; now audiophiles don't have to wait tens of hours to break in their cables, Goertz cables produce immediate results!

- **GOERTZ MI 2 10AWG COPPER (AG 2 SILVER 9AWG)**

MI 2 Heavy 10 gauge OFC copper or 9 gauge AG 2 solid silver cabling for improved bass and power handling over the remarkable Goertz MI 1. Great reviews confirm that this remarkable cable really delivers; superb bass control, vivid mid-range, and excellent high frequency extension combine with rejection of interference and no break-in period. Simply great value.

- **GOERTZ MI 3 7AWG COPPER (AG 3 SILVER 7AWG)**

Alpha-Core's "Big Boy" 7 gauge speaker cable; the answer for powerful audiophile systems. MI 3 was designed for high power amplifiers driving full range speakers. Perhaps the best speaker cable made today, the MI 3 delivers sublime clarity, dynamics, and definition throughout the audio spectrum. The extreme low DC resistance ensures diaphragm control for tight, powerful bass and mid-range, and the low inductance carries distortion free high frequencies and crucial harmonics for outstanding imaging and depth perception.

- **PYTHON MI 2**, the first Serpent, is electrically and sonically equivalent with the popular **GOERTZ MI2**. It contains four film insulated flat, solid OFC copper conductors sandwiched intimately on top of one another and then twisted and embedded in a cylindrical, solid jacket of high grade polymer. The resin is cast in place to totally support and protect the flat conductor bundle, meaning that **Python** can take any amount of punishment and still sound and look like new.

- **BOA** cables are larger gauge versions of the Serpent cables.

- Python & Boa **HYBRID** cables use both silver and copper conductors.

## HT, MI, & AG SPEAKER CABLE PAIR

MODEL	SINGLE per foot	BI-WIRE per foot
<b>COPPER CABLE "CU"</b>		
HT 'Home Theater' (14AWG)	\$8.39	\$16.77
MI1 'Center Stage' (13AWG)	\$12.40	\$24.80
MI2 'Veracity' (10AWG)	\$21.50	\$43.00
MI3 'Divinity' (7AWG)	\$53.00	\$106.00
<b>SILVER CABLE "AG"</b>		
AG1 'Center Stage' (12AWG)	\$73.20	\$146.40
AG2 'Veracity' (9AWG)	\$128.70	\$257.40
AG3 'Divinity' (7AWG)	\$275.60	\$550.00
<b>Add Termination Cost</b>		
Rhodium Spades, Bananas, Pins	\$40.00	\$63.00
Silver Spades	\$58.00	\$85.00

## PYTHON & BOA CABLE PAIR

MODEL	SINGLE per foot	BI-WIRE per foot
<b>COPPER CABLE "CU"</b>		
PYTHON MI2 (10AWG)	\$28.00	\$28.00
BOA MI3 (7AWG)	\$69.00	\$69.00
<b>SILVER CABLE "AG"</b>		
PYTHON AG2 (9AWG)	\$161.00	\$161.00
BOA AG3 (7AWG)	\$344.50	\$344.50
<b>COPPER &amp; SILVER HYBRID "CU&amp;AG"</b>		
PYTHON HYBRID (10AWG)	\$94.50	\$94.50
BOA HYBRID (7AWG)	\$206.75	\$206.75
<b>Add Termination Cost</b>		
Rhodium Spades, Bananas, Pins	\$40.00	\$63.00
Silver Spades	\$58.00	\$85.00

## CABLE CONNECTORS

MODEL	PRICE
RHODIUM SPADES (4)	\$24.00
RHODIUM BANANAS (4)	\$24.00
RHODIUM PINS (4)	\$24.00
SILVER SPADES KIT 1/2" x 5/16" (4)	\$40.00
SILVER SPADES KIT 5/16" x 5/32" (4)	\$27.00

## TO CALCULATE TOTAL PRICE:

- DETERMINE PRICE FOR 1' PAIR IN SINGLE OR BI-WIRE
- MULTIPLY THE LENGTH YOU NEED WITH CORRESPONDING PRICE/FOOT PAIR
- ADD THE TERMINATION PRICE
- TOTAL PRICE=[(PRICE/FT. PAIR X LENGTH) + TERMINATION COST]

# ALPHA-CORE INTERCONNECTS

- **‘TOURMALINE’ COPPER**

Two thin 18 gauge high purity Oxygen Free Copper (OFC) conductors are sandwiched together, separated only by micro-thin layers of film insulation. The minute amount of active dielectric also provides virtually no break-in!

- **‘MICRO PURL’, COPPER AND SILVER**

The revolutionary Micro Purl is cutting-edge transmission line technology. It contains two 50 microns thick by 2mm wide signal carriers made of solid fine silver or OFC Copper, placed on each side of a copper ground plane. The ultra thin three layer sandwich is then twisted (purl) as it is embedded in a heavy sheath of transparent high grade polymer. The twisting facilitates handling and further enhances EM and RF rejection. Micro Purl is breaking new ground as professional quality microphone and patch cables, and as digital interconnects. AWG 26.

- **TQ 2 ‘TRIODE QUARTZ’ SOLID FINE SILVER**

The new TQ 2 is made in similar fashion as Micro Purl, by twisting the bundle of solid fine silver conductors and copper ground plane in line with the extrusion of a tough, crystal clear jacket of high grade polymer. The result may be coiled and handled like any other cable and will take considerable punishment without equivalent to AWG 22, and the overall diameter is .32" versus .25" for Micro Purl. The electrical parameters and sonic characteristics are the same as those of TQ 1 except for the fact that the in-line twist has further improved the EMI and RF noise rejection inherent in the low inductance geometry.

- **‘SAPPHIRE’ SILVER**

Two thin 18 gauge 99.99% pure solid fine silver conductors are sandwiched together in the unique Goertz configuration. Impervious to extraneous line frequency and RF fields, with the great ultra clean sound of solid fine silver.

## INTERCONNECT CABLE PAIR

MODEL	0.5M	1M	1.5M	2M	2.5M	3M	4M	5M
<b>COPPER INTERCONNECTS “CU”</b>								
TOURMALINE RCA	\$69.00	\$87.00	\$105.00	\$134.00	\$166.00	\$184.00	\$218.00	\$286.00
TOURMALINE XLR	\$85.00	\$133.00	\$155.00	\$178.00	\$204.00	\$221.00	\$271.00	\$340.00
MICRO PURL CU-RCA	\$52.00	\$78.00	\$93.00	\$121.00	\$149.00	\$166.00	\$196.00	\$257.00
MICRO PURL CU-XLR	\$74.00	\$103.00	\$128.00	\$155.00	\$187.00	\$207.00	\$244.00	\$312.00
<b>SILVER INTERCONNECTS “AG”</b>								
MICRO PURL AG-RCA	\$85.00	\$127.00	\$152.00	\$197.00	\$243.00	\$270.00	\$320.00	\$419.00
MICRO PURL AG-XLR	\$121.00	\$167.00	\$208.00	\$252.00	\$305.00	\$337.00	\$398.00	\$508.00
TRIODE QUARTZ TQ2 RCA	\$125.00	\$186.00	\$238.00	\$293.00	\$350.00	\$406.00	\$478.00	\$557.00
TRIODE QUARTZ TQ2 XLR	\$178.00	\$245.00	\$304.00	\$366.00	\$428.00	\$492.00	\$576.00	\$668.00
SAPPHIRE RCA	\$193.00	\$341.00	\$487.00	\$619.00	\$652.00	\$685.00	\$914.00	\$1,145.00
SAPPHIRE XLR	\$256.00	\$435.00	\$610.00	\$769.00	\$800.00	\$864.00	\$1,118.00	\$1,340.00

## INTERCONNECT BULK

MODEL	75’	150’	250’
MICRO-PURL COPPER	\$529.00	\$1,013.00	\$1,694.00
MICRO PURL SILVER	\$862.00	\$1,650.00	\$2,612.00
TRIODE QUARTZ TQ2	\$1,121.00	\$2,145.00	\$3,396.00

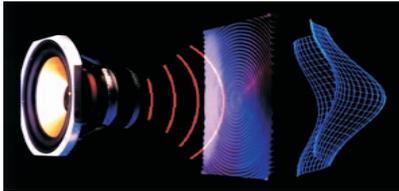
## OTHER ACCESSORIES

MODEL	PRICE
HEAT SHRINK SLEEVES (6)	\$2.00
GOERTZ SPADE CUTTER	\$8.95
SILVER SOLDER 1 LB. SPOOL	\$42.00

## INTERCONNECT TERMINATION

MODEL	PRICE
24 KARAT GOLD PLATED TIP RCA (4)	\$28.00
RHODIUM PLATED XLR (4)	\$37.00
SOLID SILVER RCA AG2K ( 4)	\$180.00





# Spectra Dynamics

## ACOUSTIC PANEL TECHNOLOGY

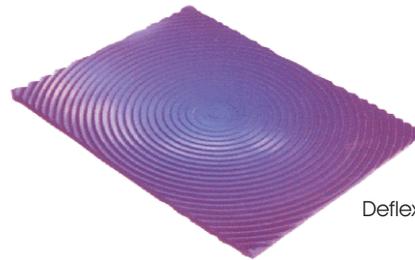
### Deflex Panel and Deflex Subwoofer Panel

	<u>Standard Panel</u>	<u>Subwoofer Panel</u>
Material.....	Advanced polymer	Advanced polymer
Color.....	Charcoal grey	Charcoal grey
Surface emulation.....	Spherical concave	Spherical concave
Defined radius - nominal.	200 mm	300 mm
Focal point - nominal.....	100 mm	150 mm
Thickness at center.....	5 mm (maximum)	12 mm (maximum)
Max. edge thickness.....	12 mm	12 mm
Overall dimensions.....	280mm x 210mm	340 mm Ø Round
Density / hardness.....	1.36 / < 15° A	1.36 / < 15° A
Rebound resilience.....	< 15%	< 15%

The polymer is specially formulated to absorb shock and vibration, thus minimizing cabinet resonances.

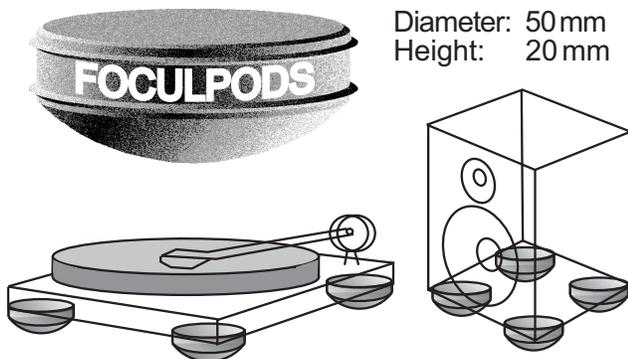
The surface emulation has been carefully designed to help eliminate standing waves.

Independent tests on MLSSA show an energy gain of over 50%.



Deflex Standard Panel

### Foculpod Isolation Feet



Diameter: 50 mm  
Height: 20 mm

"...A marked improvement was obvious from the  
"...The special surface pattern reduces standing waves to cure boxiness and resonance without killing the vitality of the sound..."  
"...expect tighter cleaner bass, crisper articulation, and an increase in liveliness without loss of control..."  
"...The result was sharper imaging, wider dynamics and a more natural sound..."  
*HI-FI Choice - January 1994*

"...Deflex panels seemed to give greater tightness and control, improved internal clarity, and better pitch definition - all without deadening the sound in any way..."  
*Audiophile - January 1994*

**" THE ONLY CURE FOR  
BOX NOISE AND  
STANDING WAVES "**

### CURRENT PRICE LIST

Standard Panel	@	\$ 11.00	each
Sub-woofer Panel	@	\$ 20.00	each
Foculpods	@	\$ 20.00	set of 4
Weldbond	@	\$ 2.70	4 oz. bottle

We recommend Weldbond as an adhesive to attach the Panels. Wash the panel first; let dry; smear Weldbond on panel and cabinet; when tacky, attach.

MADISOUND SPEAKER COMPONENTS  
8608 UNIVERSITY GREEN  
P.O. BOX 44283  
MADISON, WI 53744-4283 U.S.A.  
TEL: 608-831-3433 FAX: 608-831-3771  
e-mail: madisound@itis.com  
Web Page: <http://www.itis.com/madisound>

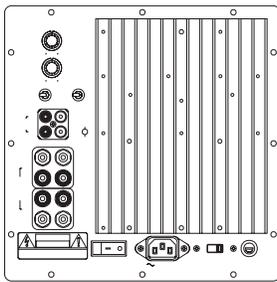


# Subwoofer Amplifiers

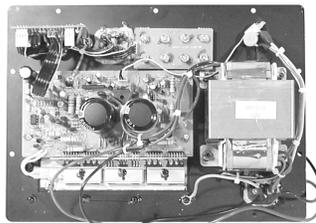
- KG-5150: 200 Watts @ 4 Ohms**
- KG-5150V: 200 Watts @ 4 Ohms**
- KG-5230: 300 Watts @ 4 Ohms**

Madisound is pleased to offer the **KG-5150 and KG-5230 Subwoofer Amplifiers with Electronic Crossovers** for powered subwoofer systems. We have worked hard to find subwoofer amplifiers that have adjustable electronic crossovers and have enough power to deliver good bass without added distortion. We are confident that we now have products that can meet the demands of both home theater or high end audio systems. Powered subwoofers are a versatile addition to your audio system. With the variable crossover and volume control, you can match a subwoofer to any existing system. These amplifiers can be used with single or multiple woofer systems (a total impedance of 4 to 8 ohms is recommended). The crossover can be turned off if you are using the amplifier with a system that already has a built in crossover.

- Class AB
- Discrete high current drivers and output devices
- LED power indicator
- Woofer volume control
- 50Hz to 100Hz continuously adjustable low pass 12dB electronic crossover
- Crossover on/off switch
- Low and High level input, summed to mono signal
- Low and High level all pass output
- Phase inverter switch
- Master power switch
- Auto power on/off activated by input signal
- 4dB boost @ 25Hz, 15Hz High pass



KG-5230

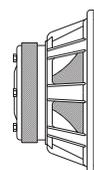


Rear view of KG-5150

Specifications:	KG-5150 /V	KG-5230
Power output Watt@ 8 ohms / 4 ohms	150 / 200	175 / 300
THD	0.03%	0.08%
S/N ratio @ rated power	95dB	85dB
Input sensitivity @ 100Hz - low level	75mV	150mV
Input sensitivity @ 100Hz - high level	3.5V	2V
Input impedance	22k ohms	22k ohms
Variable Low Pass Crossover Freq.	50-100Hz	50-100Hz
Weight	10.5 lbs	14.5 lbs
Dimensions W x H inches	11 <sup>7/16</sup> x 8 <sup>1/4</sup>	9 <sup>7/8</sup> x 9 <sup>7/8</sup>
Cutout hole W x H inches	10 <sup>7/16</sup> x 7 <sup>1/4</sup>	8 <sup>7/8</sup> x 8 <sup>7/8</sup>
KG5150-V Dimensions: 8 <sup>5/16</sup> x 11 <sup>7/16</sup>	Cutout: 7 <sup>5/16</sup> x 10 <sup>7/16</sup>	
AC Voltage	115 or 230	115 / 230 switchable
Price Each	<b>\$169.00</b>	<b>\$225.00</b>

### Woofer Suggestions (Including 4dB boost)

Item	Size	Ft <sup>3</sup>	S/V	3"Ø	F <sub>3</sub>
Madisound 1252DVC	12"	3.5	S	-	25.7
Madisound Swan 305	12"	4.25	V	5.5"	23.5
Eclipse W1238R	12"	2	V	6"	34.3
Peerless 831727	10"	2.25	V	10"	26.7
Peerless 850146	10"	3.1	V	8.1"	23.8
Peerless 831857	12"	6	V	7"	23
Peerless 831857	12"	3	S	-	28
Scan-speak 25W/8565	10"	3	S	-	26.7
Scan-speak 25W/8565-01	10"	3	V	10"	25.7
NHT 1259	12"	3.5	S	-	23.8
Vifa M26WR09-08	10"	1.7	V	7.6"	33.4
Eton 12-680/62 Hex	12"	2.4	V	7"	27.7
Audax HT300Z2	12"	3.1	V	7.75"	28
Sonicraft SC1042	10"	1.5	V	8"	31
Sonicraft SC1252	12"	3.5	S	-	26
Skaaning SK300-304	12"	3	V	7"	26



MADISOUND SPEAKER COMPONENTS, INC.

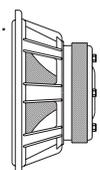
8608 UNIVERSITY GREEN  
P.O. BOX 44283

MADISON, WI 53744-4283 U.S.A.

TEL: 608-831-3433 FAX: 608-831-3771

e-mail: info@madisound.com

Web Page: http://www.madisound.com



# Words of Wisdom for Speaker Builders

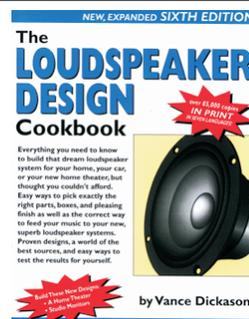
*“For the inexperienced builder...the best single reference available...”*

—Robert M. Bullock, III  
Contributing Editor, *Speaker Builder*

**SIXTH EDITION**

## The Loud Speaker Design Cookbook

by Vance Dickason



Publisher's price \$39.95  
Madisound Price \$35.00

### Twelve Chapters (233 pages, soft bound)

- |   |   |
|---|---|
| 0. How Loudspeakers Work  | 7. Passive and Active Crossovers  |
| 1. Closed-Box Low-Frequency Systems                             | 8. Loudspeaker Testing  |
| 2. Vented-Box Low-Frequency Systems                             | 9. Cad Software for Loudspeaker Design and Loudspeaker Room Interfacing |
| 3. Passive-Radiator Low-Frequency Systems                       | 10. Home Theater Loudspeakers   |
| 4. Transmission Line Low-Frequency Systems                      | 11. Car Audio Loudspeakers  |
| 5. Cabinet Construction: Shape and Damping                      | *** New Designs for Home Theater and Studio Monitor Kits                |
| 6. Mid- and High-Frequency Drivers: Applications and Enclosures |   |

## TESTING LOUDSPEAKERS

by Joseph D'Appolito

- ◆ Seven Chapters
- ◆ 174 pages

**Publishers Price \$34.95**  
**Madisound's Price \$30.00**

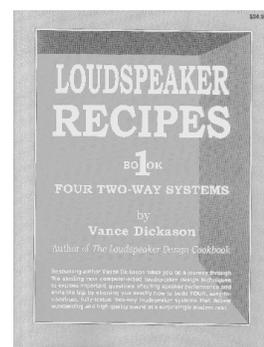
Testing Loudspeakers is the first comprehensive and solidly authoritative account of just how loudspeakers may be reliably tested. Ultimately, accurate results from testing will lead to better designs. The measurement techniques contained in this book provide all clues you need to refine your speaker's components to improve its performance. The author spells out in his first chapter:

“To my knowledge, there is currently no well-organized tutorial reference on loudspeaker testing for the experienced hobbyist or technician. This book is intended to fill that gap.”

## LOUDSPEAKER RECIPES Four Two-Way Systems

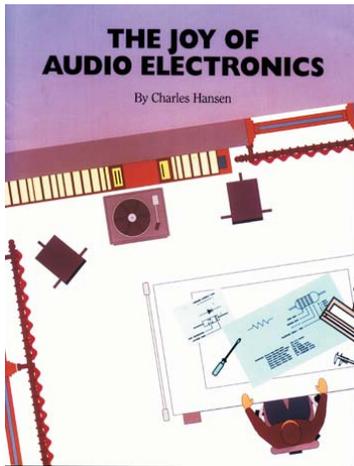
by  
Vance Dickason

Best-selling author Vance Dickason takes you on a journey through exciting new computer-aided loudspeaker design techniques to explore important questions affecting speaker design and performance. Vance takes you step by step through all the aspects of building four different two-way speaker systems, from choosing the drivers, to choosing the right crossover components, and finally tweaking the speaker to match your personal preferences.



**Publisher's Price**  
**\$24.95**

**Madisound's Price**  
**\$20.00**



List Price \$19.95  
**Special Price \$9.95**

## The Joy of Audio Electronics

by Charles Hansen

A book for rank beginners. The first chapter begins with a small, simple project of assembling a passive loudspeaker overload indicator. Charles Hansen takes the reader through the project leaving nothing to chance. In the second chapter, a more complicated powered project is presented called the Quadpod, a project first introduced by Edward Dell and Joshua Goldberg in the 1/71 issue of *The Audio Amateur*.

Chapters 4 and 5 talk about proper tools, safety, record keeping and how to organize a workshop. The 5th and 6th chapter deal with resource materials and a general explanation the electronic concepts.

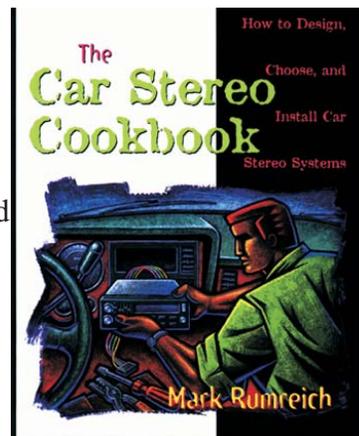
## The Car Stereo Cookbook

by Mark Rumreich

Achieve the extreme in car audio. Written by a master of audio electronics, **The Car Stereo Cookbook** shows you how to plan your design, choose your components, install them optimally — and save money!

Unlike books that cover only specific systems, the **Cookbook** shows you how to **customize**. With the Cookbook, your system will fit your tastes, your budget, and your car or truck.

The book begins with a chapter on careful planning of your project, so you don't end up with something that isn't going to work when your car is half apart. The book discusses proper tools and connectors, speaker selections and placement, head units and amplifiers, as well as crossovers. Finally, there are suggestions on how to troubleshoot noise from your system after the install.



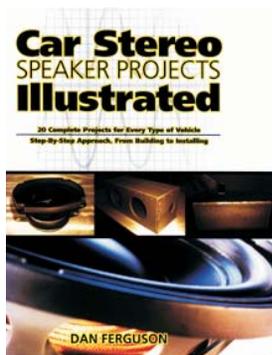
List Piece \$24.95  
**Special Price \$9.95**

11 chapters, 296 pages

## Car Stereo Speaker Projects Illustrated

by Dan Ferguson

**20 Complete Projects for Every Type of Vehicle**



**Special Price \$9.95**

The Car Stereo Speaker Projects book is a detailed step-by-step instruction book for building 20 different car stereo speakers. The book is heavily illustrated with photos, graphs and drawings. This book will help you design, build, and install speakers that put recording-studio-quality sound on the road.

\* 8 Chapters, 240 pages

# DESCANT INDOOR/OUTDOOR ON-WALL SPEAKER or SHIELDED MONITOR / AV SPEAKER

Madisound is pleased to introduce the Descant On-wall or Shielded Monitor speaker. We developed the TR-525 in response to a need for an on-wall speaker that would be functional, yet uncompromising in sound quality. We experimented with many different loudspeakers until we discovered a weather resistant polymer coated paper cone woofer, that gave us the vocal midrange clarity we were looking for, without sacrificing bass response. The TR-525's versatility allow it to be used for numerous applications.

The weatherproof cabinet with U-shaped mounting bracket and weather resistant loudspeakers allow the TR-525 to be mounted outdoors. Consider using them by the pool, patio or any other area you use for outdoor entertaining. The TR-525 is also suitable for commercial outdoor applications, in theme parks, gardens, etc.

Since the TR-525 is magnetically shielded, you may use it next to a computer or TV screen. Consider using it for your surround sound system or add an amplifier to your computer system and use it as a monitor.



The TR-525 can be used as a monitor speaker, either standing upright or on its side. The fully shielded speaker allows for placement next to your TV or computer monitor. The cabinets are available either all black or all white.



The TR-525 comes with a mounting bracket to allow wall or ceiling mounting. The Bracket can be rotating to direct the speaker to the correct listening location. You may mount the speaker vertically or horizontally.

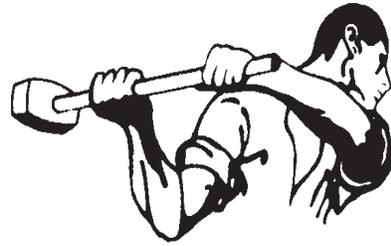


## Specifications:

- **Indoor / Outdoor**
- **Shielded magnets for use near computer monitor or TV screen**
- **Stand alone or wall/ceiling mount (mounting bracket included)**
- **5 1/4" Polymer sealed paper cone woofer**
- **3/4" Titanium dome tweeter**
- **Durable plastic cabinet with metal grill**
- **Can be mounted vertically or horizontally**
- **10" tall x 7.25" wide (front) 2.75" wide (back) x 6.5" deep**
- **6dB/12dB crossover with poly cap on the tweeter**
- **Nominal 8 ohm impedance**
- **80 watts max. Power handling**

**TR-525 Price \$145.00 per pair**  
**Specify white or black.**

# Madisound Presents Sledgling

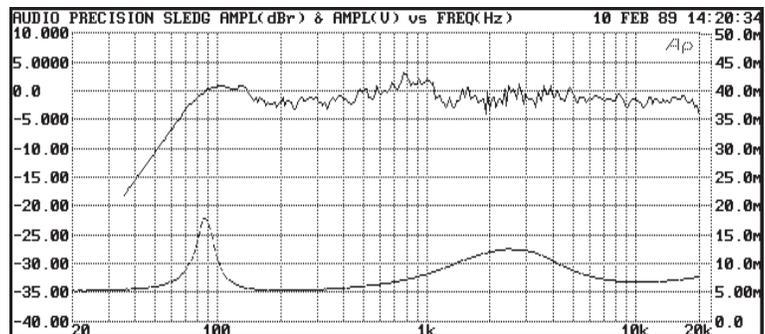


The Sledgling is the best little bookshelf speaker kit on the market today. This kit gives you the quality sound of commercially produced speaker at a fraction of the price. The Sledgling speaker is small enough to fit unobtrusively in any den or be used as a rear channel speaker in a four channel audio or video system. We chose a high quality six and one half inch polypropylene woofer and a Vifa treated textile dome tweeter with ferrofluid for a very clean sound. We have utilized the best possible components in the crossover network with Sidewinder coils and Chateauroux Metallized Polypropylene capacitors on an epoxy circuit board.

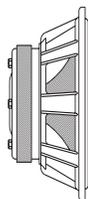
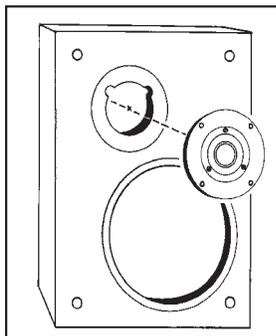
The kit is designed to be as easy as possible to assemble. The cabinet is already finished. The holes for the drivers and the input cup are pre-cut; the crossover is preassembled, and the grill cloth is stretched on the frame.

## Specifications

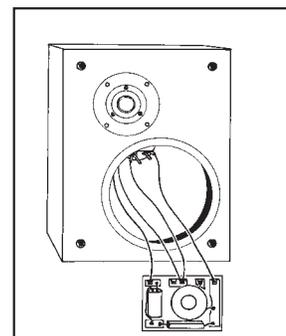
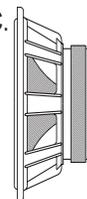
Impedance	4 or 8
Sensitivity	89 DB
Power Rating	50 Watts
Freq. Range	65 - 18000 HZ +/- 2db
Woofer	6 1/2 "
Tweeter	3/4" Dome
Crossover	6/6 db w/ Sidewinder Coils and Polypropylene Capacitors
Cabinet	Walnut Wood Veneer with 1/2" walls 9"W x 12"T x 6"D Oak Wood Veneer with 3/4" walls 8" W x 12" T x 7" D



Price	\$170/pair Walnut Veneer 1/2" walls \$208/pair Clear or Black painted oak with rounded solid oak corners \$98.00/pair without cabinets
-------	--



MADISOUND SPEAKER COMPONENTS, INC.  
8608 UNIVERSITY GREEN  
P.O. BOX 44283  
MADISON, WI 53744-4283 U.S.A.  
TEL: 608-831-3433 FAX: 608-831-3771  
e-mail: [info@madisound.com](mailto:info@madisound.com)  
Web Page: <http://www.madisound.com>



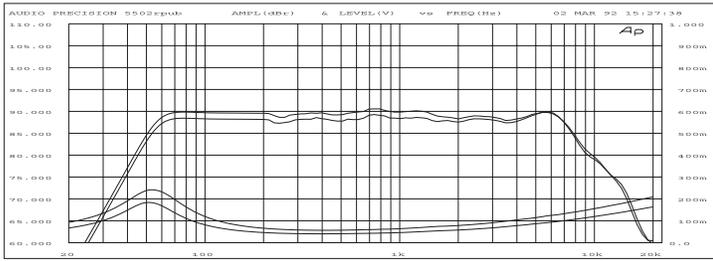
**Madisound 5102R**  
**4.5" Polypropylene**  
**Bass-Mid 4 or 8**

	5102-4	5102-8
Fs (Hz)	50	52
Rsc ( )	3.28	4.73
VcL (mH@1K)	0.09	.12
Qms	1.50	1.41
Qes	.32	.33
Qts	.26	.27
Mmd (g)	6.13	6.5
Cms ( m/N)	1508.44	1353.76
Vas (Ltrs)	8.77	7.87
Efficiency (2.83V / 1m)	90	87
Xmax	1.5mm pk	
Power	50 w	
Magnet	12 oz	
Voice Coil	1" 2-Layer Kapton	
Cone	Black Poly	
Surround	Rubber	
Cutout/Depth	4.25"/2"	
<b>Price</b>	<b>\$25.50</b>	

Rubber Surround



	Vented		Sealed	
	4 Ω	8 Ω	4 Ω	8 Ω
VB ltrs	2.1	1.9	1.4	1.3
FB Hz	75	78	-	-
F3 Hz	90	95	134	137
Port Diameter	1"	1"	-	-
Port Length	4.3"	4.5"	-	-



**Madisound 5502R**  
**5.25" Polypropylene**  
**Woofer 4 or 8**

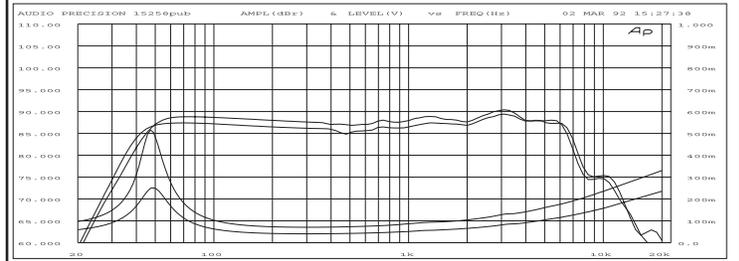
	5502R-4	5502R-8
Fs (Hz)	48	48
Rsc ( )	3.64	6.53
VcL (mH@1K)	.391	0.576
Qms	2.89	3.98
Qes	.47	.52
Qts	.40	.46
Mmd (g)	7.68	7.01
Cms ( m/N)	1349.5	1473.1
Vas (Ltrs)	13.8	15.1
Efficiency (2.83V / 1m)	89	87
Xmax	2.5mm pk	
Power	50 w	
Magnet	12 oz.	
Cone	Black Poly	
Surround	Rubber	
Voice Coil	1" 2-Layer Kapton	
Cutout/Depth	4.87"/2.25"	
<b>Price</b>	<b>\$26.50</b>	

Rubber Surround



vented pole piece

	Vented		Sealed	
	4 Ω	8 Ω	4 Ω	8 Ω
VB ltrs	12	14	7	11
FB Hz	49	48	-	-
F3 Hz	50	49	80	71
Port Diameter	1.5"	1.5"	-	-
Length	3.5"	3.1"	-	-



**Madisound 6204R-6.5"**  
**Polypropylene Woofer 4 or 8**

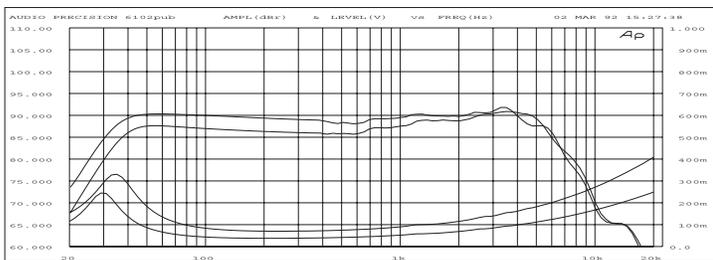
	6204R-4	6204R-8
Fs (Hz)	26.8	34.2
Rsc	3.41	6.36
VcL mH@1K	.45	.70
Qms	2.68	1.80
Qes	.369	.457
Qts	.324	.364
Mmd (g)	11.3	13.3
Cms ( m/N)	2877.7	1524.5
Vas (ltrs)	71.9	38.3
Efficiency dB	90	87
Xmax	3.5mm pk	
Power	50 w	
Magnet	12 oz.	
Cone	Black Poly	
Surround	Rubber	
Voice Coil	1" 2-Layer Kapton	
Cutout/Depth	5.62"/2.87"	
Frame	6 5/8"	
<b>Price</b>	<b>\$28.00</b>	

Rubber Surround



vented pole piece

	Vented		Sealed	
	4 Ω	8 Ω	4 Ω	8 Ω
Vb Ltrs	30	23	19	14
F <sub>3</sub> Hz	40	42	58	66
Fb Hz	33	38	-	-
Port Dia	2"	2"	-	-
Length	5.7"	5.6"	-	-



**Madisound 8252R-8"**  
**Polypropylene Woofer 4/8**

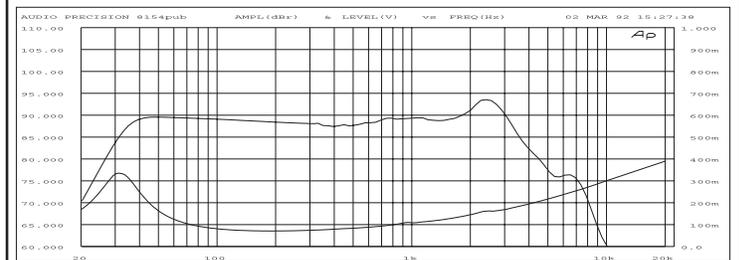
Fs	31.6Hz
Rsc	6.35
VcL @1K	.885mH
Qms	2.06
Qes	.45
Qts	.37
Mmd	23.6g
Cms ( m/N)	989.6
Vas	68 Liters
Efficiency (2.83V / 1m)	89db 1w/1m
Xmax	4.5mm pk
Power	75 w
Magnet	20 oz.
Cone	Black Poly
Surround	Rubber
Voice Coil	1.5" 2-Layer Kapton
Cutout/Depth	7.12"/3.37"
Frame	8 1/4"
<b>Price</b>	<b>\$38.00</b>

Rubber Surround



vented pole piece

	Sealed	Vented	Vented
Vb Liters	26	34	42
F <sub>3</sub> Hz	60	43	39
Fb Hz	-	33	35
Port Dia	-	2"	2"
Length	-	5"	3.2"



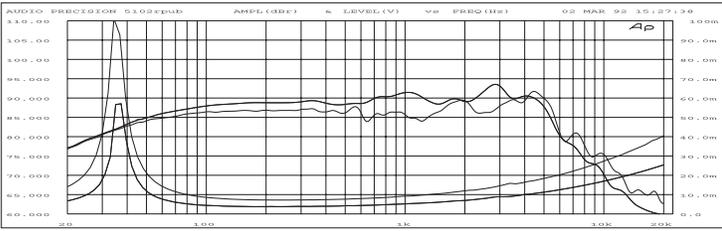
**Madisound 6102**  
**6.5" Polypropylene Woofer**  
**4 or 8**

	6102-4	6102-8
Fs (Hz)	30	30
Rsc ( )	3.35	6.6
VcL(mH@1K)	.087	0.18
Qms	6.6	7.5
Qes	.35	.45
Qts	.33	.42
Mmd (g)	14.5	11.2
Cms ( m/N)	1812.8	2312.9
Vas (Ltrs)	39	49.7
Efficiency (dB 2.83V/1m)	90	87
Xmax	3.5mm pk	
Power	50 w	
Magnet	12 oz.	
Cone	Black Poly	
Surround	Foam	
Voice Coil	1" 2-Layer Kapton	
Cutout/Depth	5.62"/2.87"	
Frame	6 5/8"	
<b>Price</b>	<b>\$25.00</b>	



Vented pole piece

	Vented		Sealed	
	4 Ω	8 Ω	4 Ω	8 Ω
VB ltrs	18	40	11.4	28
FB Hz	36	30	~	~
F3 Hz	41	33	58	47
Port Diameter	1.5"	2"	Qtc= .7	Qtc= .7
Length	4.6"	5.2"	Rg=.4	Rg=.4



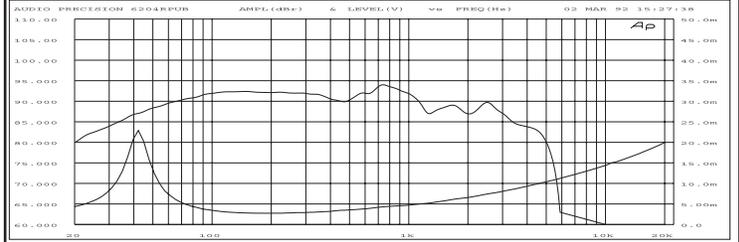
**Madisound 6x9153 6"x9"**  
**Polypropylene Woofer 3**

Fs	38Hz
Rsc	
VcL @ 1K	.87 mh
Qms	3.77
Qes	.38
Qts	.35
Mmd	25.8g
Cms ( m/N)	626.46
Vas	37 Liters
Efficiency	91dB 2.83V/1m
Xmax (mm) pk	3
Power	75W
Magnet	20 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	1.5" Kapton
Cutout/Depth	Buy it, then cut!
<b>Price</b>	<b>\$37.00</b>



6x9153 B4 Alignments

	12	14	22
Vb liters	78	56	46
F3 Hz	Sealed	45	45
Port Dia	Qtc=.7	1.5"	1.5"
Length	-	3.7	2"



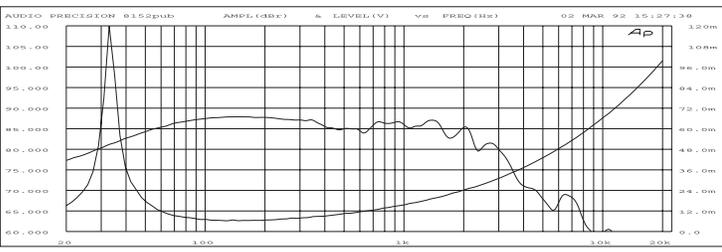
**Madisound 8154—8"**  
**Polypropylene Woofer 8**

Fs	30.6Hz
Rsc	4.55
VcL @ 1K	.25mh
Qms	9.7
Qes	.28
Qts	.27
Mmd	34g
Cms ( m/N)	798.5
Vas	49.5 Liters
Efficiency	89dB 2.83V/1m
Xmax	3.5mm pk
Power	75 w
Magnet	20 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	1.5" 4-Layer Kapton
Cutout/Depth	7.12"/3.37"
Frame	8 1/4"
<b>Price</b>	<b>\$36.00</b>



Vented pole piece

8154 B4 Alignments			
	Rg = 0	Rg = .4	Rg = .7
Vb Liters	15	19	23
F <sub>3</sub> Hz	51	45	42
Fb Hz	46	43	40
Port Dia	2"	2"	2"
Length	6.1"	5.3"	5.1"



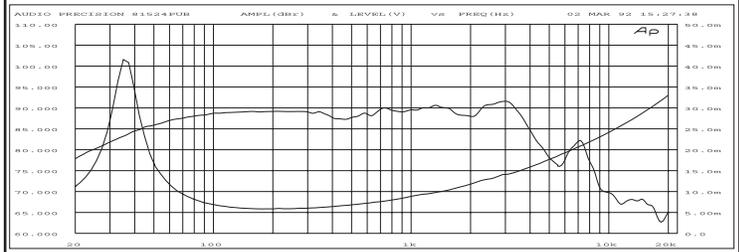
**Madisound 8152—8"**  
**Polypropylene Woofer 8**

Fs	33Hz
Rsc	5.1
VcL @ 1K	.13mh
Qms	3.5
Qes	.45
Qts	.4
Mmd	23g
Cms ( m/N)	889
Vas	55 Liters
Efficiency	89dB 2.83V/1m
Xmax	3.5mm pk
Power	75 w
Magnet	20 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	1.5" 2-Layer Kapton
Cutout/Depth	7.12"/3.37"
Frame	8 1/4"
<b>Price</b>	<b>\$36.00</b>



vented pole piece

8152 B4 Alignments			
	Rg = 0	Rg = 0	Rg = .4
Vb Liters	30	50	63
F <sub>3</sub> Hz	43	35	33
Fb Hz	34.8	34.8	32.5
Port Dia	2"	2"	2"
Length	5.1"	2.5"	2.2"

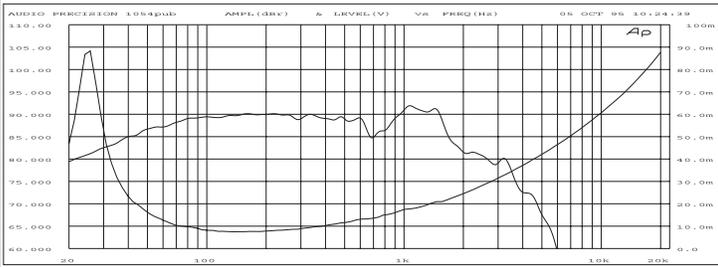


**Madisound 1054—10"**  
**Polypropylene Woofer 8**

Fs	24.6Hz
Rsc	6
VcL @1K	.24mH
Qms	4.07
Qes	.25
Qts	.237
Mmd	42g
Cms ( m/N)	997.57
Vas	160 Liters
Xmax	3.5mm Pk
Efficiency	92dB 2.83V/1m
Power	125 w
Magnet	30 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	1.5" 4-Layer Kapton
Cutout/Depth	9.12"/4.45"
Frame	10 1/8"
<b>Price</b>	<b>\$43.00</b>



1054 QB3 Alignments				
	Rg = 0	Rg = .5	Rg = .9	
Vb Liters	29	35	42	
F <sub>3</sub> Hz	52	46	43	
Fb Hz	41.7	38	35.7	
Port Dia	3"	3"	3"	
Length	8.7"	8.3"	7.8"	

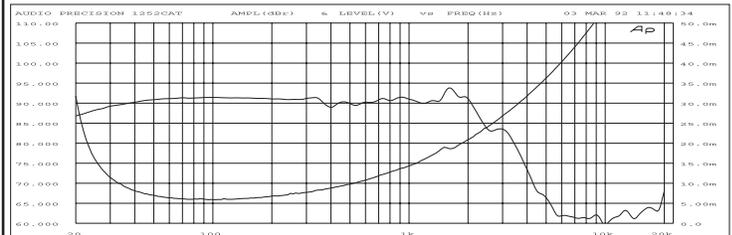


**Madisound 1252DVC—12"**  
**Dual Voice Coil Woofer**  
**8 / 8**

Fs	17Hz
Rsc	12.4
VcL @1K	1.0mH
Qms	5.55
Qes	0.59
Qts	0.53
Mmd	83.8g
Cms ( m/N)	954.7
Vas	382 Liters
Xmax	6mm pk
Efficiency	See Graph
Power	100 50/50w
Magnet	30 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	1.5" 2/2-Layer Kapton
Cutout/Depth	11.12"/5.0"
Frame	12 3/16"
<b>Price</b>	<b>\$48.00</b>



1252DVC Alignments		
	Sealed	Sealed
Vb ft³	2.5	3.5
F <sub>3</sub> Hz	33	31
	QTC	QTC
	1.0	.9
	Sealed & Stuffed	



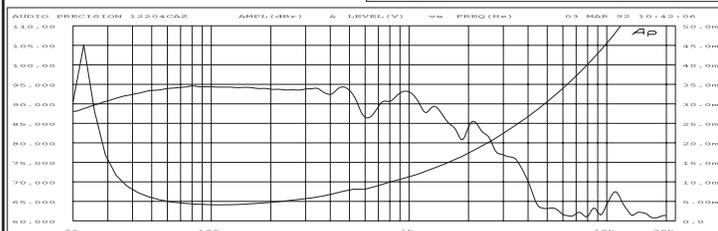
**Madisound 12204DVC**  
**12" Dual Voice Coil Woofer**  
**4 / 4**

Fs	22.8Hz
Rsc	7.4
VcL @ 1K	.26mh
Qms	4.58
Qes	.42
Qts	.38
Mmd	68.8g
Cms ( m/N)	550.6
Vas	220 Liters
Xmax	5 mm Pk
Efficiency	See Graph
Power	200 100/100 w
Magnet	40 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	2" 2/2-Layer Kapton
Cutout/Depth	11.12"/5.0"
Frame	12 3/16"
<b>Price</b>	<b>\$58.00</b>



Vented pole piece

12204DVC B4 Alignments					
	Rg=0	Rg=.5	Rg=.5	Rg=0	Rg=.5
Vb Ltr	85	85	100	113	142
F <sub>3</sub> Hz	42	38	37.5	31	28
Fb Hz	QTC			24	21.6
Port D.	.75	.85	.8	3"	3"
Length	Sealed			6.1"	5.9"



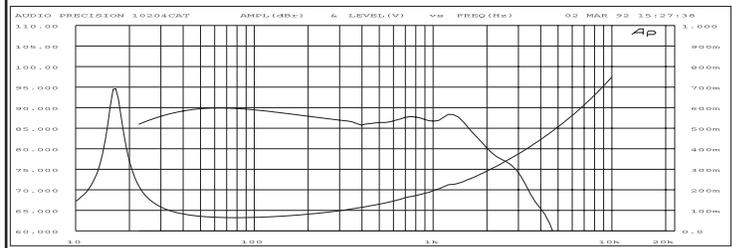
**Madisound 1258 12"**  
**Polypropylene Woofer**  
**8**

Fs	16.6Hz
Rsc	5.6Ω
VcL @ 1K	2.39 mH
Qms	5.32
Qes	.41
Qts	.38
Mmd	57.2g
Cms ( m/N)	1418.99
Vas	568 Liters
Efficiency	90db 1w/1m
Xmax (mm) pk	4
Power	75W
Magnet	30 oz.
Cone	Black Poly
Surround	Foam
Voice Coil	1.5" Kapton
Cutout/Depth	11.12"/5"
Frame	12 3/16"
<b>Price</b>	<b>\$45.00</b>



1258 Alignments			
Vb liters	70	85	100
F3 hz	37.5	35	34
Align.	Sealed	Sealed	Sealed
Qtc	1.15	1	.98

The use of filling will reduce the Qtc



## Woodstyle Cabinets - Dimensions W x H x D

Woodstyle cabinets feature real oak veneer with solid rounded oak corners. Front and back are black laquered with a black grill mounted with hedlocks on the front and a cutout for the input-cup on the back. Woodstyle cabinets are skillfully crafted from 3/4" high density particle board, veneered on both sides with oak veneer and joined virtually seamlessly to the solid oak corners. Cabinets may also purchased as singles for half the pair price.

WS602 Oak, Black Oak	5.3 Liters, 8"x12"x7", grill w/ Fastex Fasteners, approx. 20 lb./pr cut for CB/GB-cup	\$110.00/pair
WS609 Black MDF Blank	4.8 Liters, 9"x12"x6", grill w/ Fastex Fasteners, approx. 17 lb./pr cut for CB/GB-cup	67.00/pair
WS609 Walnut Blank	4.8 Liters, 9"x12"x6", grill w/ Fastex Fasteners, approx. 17 lb./pr cut for CB/GB-cup	73.00/pair
WS609 Black MDF	Cut for 6102 and D20TD-05, 4.8 Liters; 9"x12"x6", grill w/ Fastex Fasteners, approx. 17 lb./pr cut for CB/GB-cup	67.00/pair
WS609 Walnut	Cut for 6102 and D20TD-05, 4.8 Liters, 9"x12"x6", grill w/ Fastex Fasteners, approx. 17 lb./pr cut for CB/GB-cup	73.00/pair
WS802 Oak, Black Oak	11.6 Liters, 10"x16"x8", grill; w/ Fastex Fasteners, approx. 30 lb./pr cut for CB/GB-cup	120.00/pair
WS802 REV Oak, Black Oak	11.6 Liters, 8"x16"x10", grill; w/ Fastex Fasteners, approx. 30 lb./pr cut for CB/GB-cup	125.00/pair
WS803 Oak, Black Oak	24.9 Liters, 12"x19"x10.5", grill w/ Fastex Fasteners, approx. 26 lb./each cut for CB/GB-cup	160.00/pair
WS803 REV Oak, Black Oak	24.9 Liters, 10.25" x 19" x 12", grill w/ Fastex Fasteners, approx. 26 lb./each cut for CB/GB-cup	175.00/pair
WS123 Oak, Black Oak	48.8 Liters, 14.5"x25"x12", grill w/ Fastex Fasteners, approx. 38 lb./each cut for CB/GB-cup	190.00/pair
WS123 REV Oak, Black Oak	48.8 Liters, 12"x25"x14.5", grill w/ Fastex Fasteners, approx. 38 lb./each cut for CB/GB-cup	210.00/pair
WS120 Oak, Black Oak	61.7 Liters Subwoofer box, 17.75"x18.25"x15.75", grill w/ Fastex Fasteners, approx. 47 lb., VL-cup	102.00/each
Tower - Oak, Black Oak	73.3 Liters, 14.5"x38.75"x12", grill w/ Fastex Fasteners, approx. 60 lb./each cut for CB/GB-cup	300.00/pair
Tower REV- Oak, Black Oak	73.3 Liters, 12"x38.75"x14.5", grill w/ Fastex Fasteners, approx. 60 lb./each cut for CB/GB-cup	340.00/pair
WSNHT - Oak, Black Oak	93.4 liters, 15.5" x 28.5" x 17.75", 1" front baffle, grill w/ fastex fasteners, approx. 68lb, Cut for NHT1259 & TD-Cup	\$195.00 / each
WSNHTA - Oak, Black Oak	93.4 liters, 15.5" x 28.5" x 17.75", 1" front baffle, grill w/ fastex fasteners, approx. 68lb, Cut for NHT1259 & KG-5150 Amplifier	\$195.00 / each



## PASSIVE RADIATORS

Madisound is proud to introduce our Polypropylene Passive Radiators with controlled response. If you have ever worked with passive radiators you know difficult it is to combine the box, the active woofer, and the passive radiator. The problem is tuning the radiator to the desired resonance frequency. Some manufacturers have sold weight kits with the radiators, but the expense is high. Our solution was to build passive radiators with the same type surrounds and spiders as our low frequency drive units. We felt that for maximum linearity we would use a full basket and spider connection. We also use RDM low resonance Polypropylene cones with a tightly sealed small dust cap. The end user can use Butyl caulk (Silicon sealant), and increase the weight until the system resonance is reached. Then a second and larger dust cap is glued over the treated section of the cone. We think you will want to try a Passive Radiator system and you will have a good chance to get what you are listening for.

**MADISOUND 8100PR8" Black Poly. \$17 each**

**MADISOUND 10100PR10" Black Poly. \$20 each**

## Madisound Driver Measurements

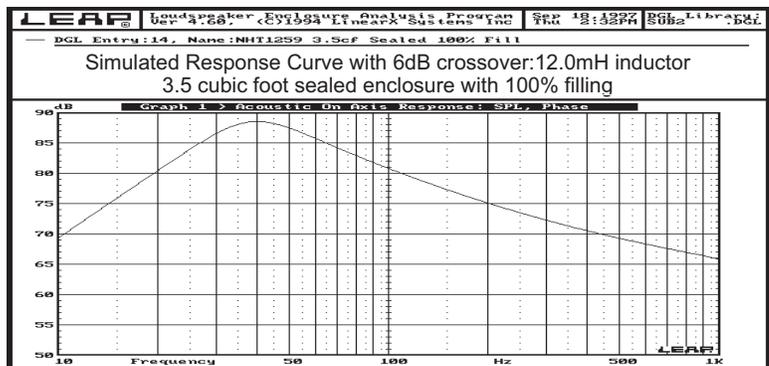
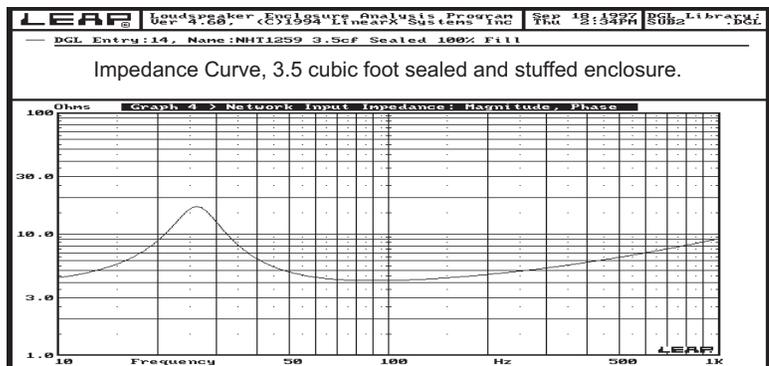
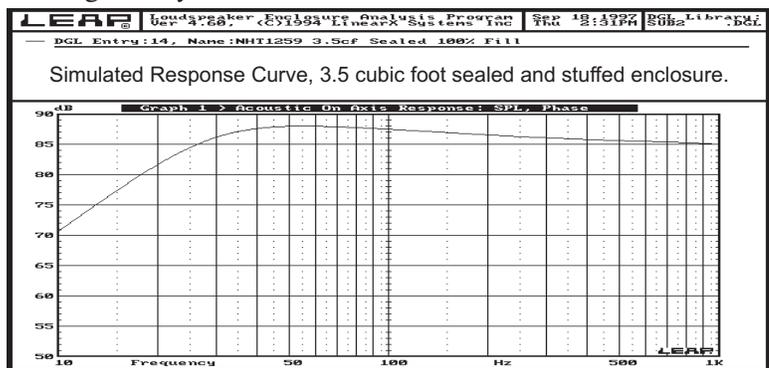
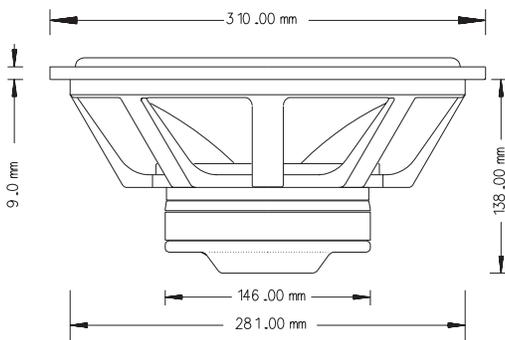
- All measurements made in a 37 m<sup>3</sup> anechoic chamber equalized to give response for an infinite baffle.
- All frequency responses measured corresponding to 2.83Vrms @ 1 meter, same voltage for 4 and 8 drivers.
- Dual voice coils are measured at 2.83Vrms per coil.
- Dual voice coil Theil-Small parameters are measured with voice coils in series using Delta Mass method with Audio Precision and Leap.
- Suggested box alignments are sometimes given with an (Rg) value, which is added resistance from inductors in series with the woofer. If you need specific box alignments, please call.
- Aperiodic dampening devices such as the Dynaudio Variovent and Scan-Speak Flow Resistor are very useful in sealed box applications. These vents reduce the impedance maximum at the resonance point, allowing for a more clear and defined bass, as well as the use of a driver in a box that is smaller than optimum volume.
- Some volume and linear equivalents:  
1<sup>3</sup> foot = 28.3 liters = 1728<sup>3</sup> inches; 25.4mm = 1"



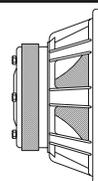
# NHT 1259

## High Performance 12" Woofer

Madisound Speakers is pleased to offer the "Now Hear This" custom made woofer. The unique characteristics of the NHT 1259 allow it to be used in relatively small sealed enclosures, producing deep and accurate bass to 25Hz. The large voice coil and long excursion insure that this woofer will provide superior transient response with exceptional power handling. The bumped backplate and raised spider prevent bottoming at maximum excursions; the heavy cast frame minimizes energy transfer to the enclosure; and the polypropylene cone with rubber surround promise long term durability in any environment. This woofer is an exceptional choice for any high-end home or autosound system and can also handle the most demanding A/V system.



NHT 1259 Specifications	
Fs	16.5Hz
Nominal Impedance	4 ohm
Mmd	128.0 Grams
Cms	696.48 m/n
Vas	238.4 Liters
Rsc	3.52
Leap Krm	3.277 m
Leap Kxm	10.063 mH
Leap Erm	0.772
Leap Exm	0.743
vcL	1.06mH @ 1K
Bl	9.574 Tm
Qms	2.680
Qes	0.533
Qts	0.445
Voice Coil Height	34 mm
Air Gap Height	8 mm
Xmax	13.0 mm Peak
SD	0.0491 m <sup>3</sup>
Surround	Rubber
Cone Material	Polypropylene
Magnet	59 oz.
Voice Coil	50 mm
Music Power	300 Watts
Sensitivity	90 dB 2.83V/1m
<b>Price</b>	<b>\$150.00</b>



MADISOUND SPEAKER COMPONENTS, INC.

8608 UNIVERSITY GREEN

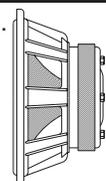
P.O. BOX 44283

MADISON, WI 53744-4283 U.S.A.

TEL: 608-831-3433 FAX: 608-831-3771

e-mail: info@madisound.com

Web Page: http://www.madisound.com



# SONICRAFT

## High Performance 10" and 12" Subwoofers

Madisound is proud to offer these exceptional subwoofers, designed and created in cooperation with **KT Soniccraft**. The woofers are constructed from materials of the highest quality; the parameters have been carefully chosen. The testing procedure extended over several months until we were convinced that we had products that represent current state of the art loudspeakers. You may be confident that the **Soniccraft** drivers will perform well in applications for:

**Home Hi-Fi Home Theater Powered Subwoofers Autosound**

Please take note of the special features we have built into these drivers: air dried coated paper cones, heat sink back plates, long excursion capabilities, SBR rubber surrounds, rigid die cast frames, gold plated terminals, decorative labeling.



### Soniccraft SC-1042 Specifications

Fs	21.4Hz
Nom. Impedance	4 ohm
Mmd	54.56 Grams
Cms	951.09 $\mu\text{m/n}$
Vas	156.1 Liters
Rsc	3.50 $\Omega$
vcL	0.978 mH @ 1K
Bl	9.227 Tm
Qms	6.283
Qes	0.321
Qts	0.306
VC Height	25 mm
AG Height	8 mm
Xmax	8.5 mm
SD	0.0340 m <sup>2</sup>
Leap Krm	3.553 m $\Omega$
Leap Kxm	19.019 mH
Leap Erm	0.778
Leap Exm	0.661
Surround	SBR Rubber
Cone Material	Coated Pulp Paper
Magnet	42 oz.
Voice Coil	2 inch
Music Power	250 Watts
Sensitivity	91.5 dB 2.83V/1m
Outside Diameter	262 mm (10.3")
Cutout Diameter	232 mm (9.13")
Depth	135 mm (5.31")
<b>Price</b>	<b>\$99.00</b>

### SC-1042 10" Woofer

- Cast Frame
- Coated Pulp Paper Cone
- SBR High Roll Rubber Surround
- Conex Fiber Spider
- Vented T-Yoke with Heat Sinks, extended pole piece
- Kapton VC Former
- Gold Plated Terminals
- Decorative Logo

### SC-1250 12" Woofer

- Cast Frame
- Coated Pulp Paper Cone
- SBR High Roll Rubber Surround
- Conex Fiber Spider
- Vented T-Yoke with Heat Sinks, extended pole piece
- Vented Top Plate
- Kapton VC Former
- Gold Plated Terminals
- Decorative Logo

### Soniccraft SC-1250 Specifications

Fs	18.9Hz
Nom. Impedance	4 ohm
Mmd	81.35 Grams
Cms	804.25 $\mu\text{m/n}$
Vas	292.4 Liters
Rsc	3.4 $\Omega$
vcL	1.04 mH @ 1K
Bl	8.404 Tm
Qms	4.868
Qes	0.503
Qts	0.456
VC Height	34 mm
AG Height	8 mm
Xmax	13.0 mm Peak
SD	0.0506 m <sup>2</sup>
Leap Krm	2.682 m $\Omega$
Leap Kxm	14.734 mH
Leap Erm	0.802
Leap Exm	0.697
Surround	SBR Rubber
Cone Material	Coated Pulp Paper
Magnet	50 oz.
Voice Coil	2 inch
Music Power	300 Watts
Sensitivity	91 dB 2.83V/1m
Outside diameter	310 mm (12.2")
Cutout diameter	283 mm (11.15")
Depth	160 mm (6.3")
<b>Price</b>	<b>\$125.00</b>

#### SC-1042 Suggested Alignments:

A 2 cubic foot vented enclosure would have a 3dB down point of 32Hz. This box would need a 3" diameter vent by 10" long. When used in this box with the one of our amplifiers, the F3 would be about 31Hz.

A 1.2 cubic foot sealed box has an F3 of about 50Hz in a home environment. This same sealed box will give you a response to 20Hz in an average sedan size car.



#### SC-1250 Suggested Alignments:

A 3.5 cubic foot sealed and stuffed enclosure will have a 3dB down point of 30Hz and a Qtc of about 0.8. A lower Qtc can be achieved in a larger enclosure. When used with one of our amplifiers the F3 will be about 25Hz.

This driver in a 3.5 cubic sealed box mounted in a sedan sized car will have a 5dB boost from 20Hz to 75Hz.

**Madisound Speaker Components, Inc.**

**P.O. Box 44283, (8608 University Green #10) Madison, WI 53744-4283**

**Tel:608-831-3433**

**Fax:608-831-3771**

**email: info@madisound.com**

**www.madisound.com**

# POWERED SUBWOOFER KITS

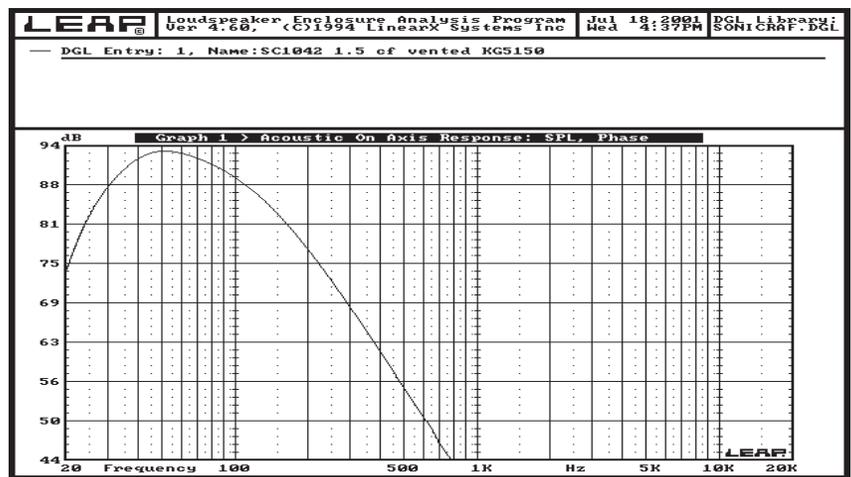
Madisound has taken advantage of KT Sonicraft's exceptional subwoofer design to produce Do-It-Yourself Sub Kits with simple assembly and top quality components. The long excursion and rigid construction of the Sonicraft drivers combined with the clean power of the Keiga amplifier make for an attractive and versatile design. The cabinets are compact for easy room placement and suitable for home hi-fidelity or for home theater applications. Despite the small box size the low resonance of these subwoofers will allow for clean reproduction of movie soundtrack transients down to 25Hz. The cabinets are professionally finished with solid rounded oak corners, completely assembled, and are already cut and vented. Front baffles are 1" thick, all other sides 3/4". The cabinet comes with a black grill. Your choice of clear or black lacquered oak veneer. (Clear finish shown below). The graphs shown are simulated frequency responses. Actual frequency response will vary depending on the dimensions of the listening environment.

## SC10 Powered Subwoofer Kit

Price Each \$393.00 (w/o cabinet \$253.00)



18" deep x 16" tall x 14" wide

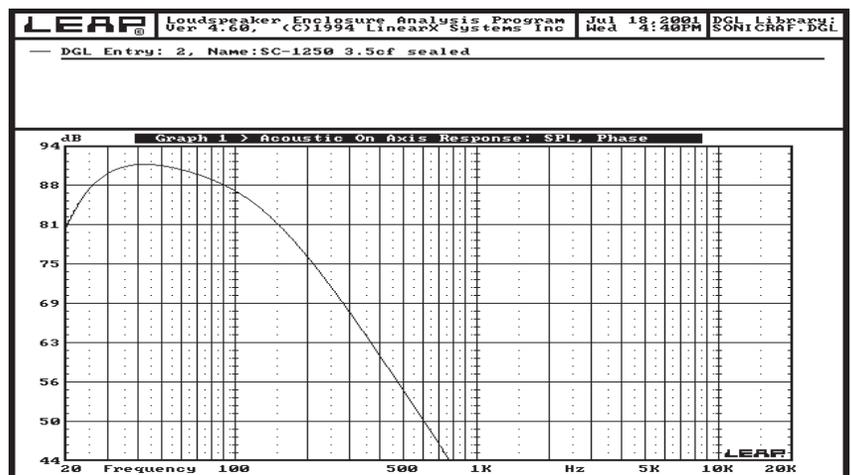


## SC12 & NHT1259 Powered Subwoofer Kits

SC12 Price Each \$480.00 (w/o cabinet \$285.00)



18" deep x 28.25" high x 15.5" wide



### Options:

SC12 with 300 watt KG5230 amplifier \$530.40 (w/o cab \$335.40)

NHT1259 woofer with KG5150 amp \$502.50 (w/o cab \$307.50)

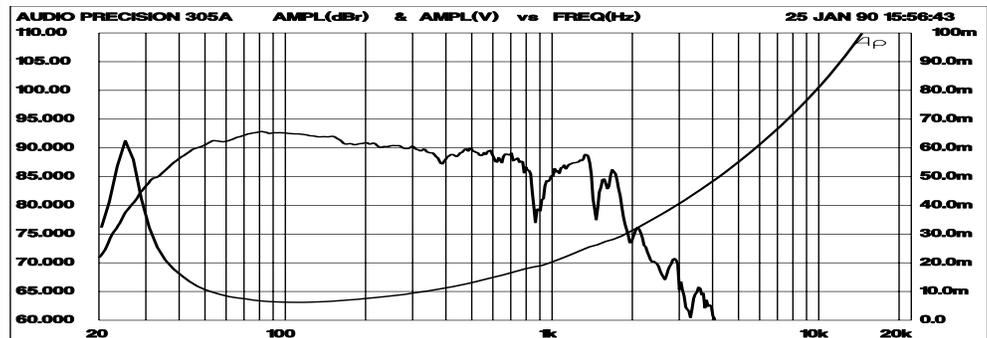
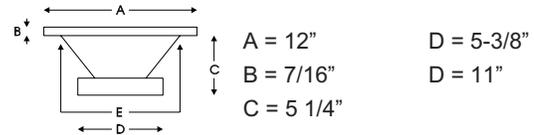
NHT1259 woofer with KG5230 amp \$552.90 (w/o cab \$357.90)

# The Swan 305 Woofer

Swan 305 Specifications	
Fs	22.7
Impedance	8
Mmd	110.4 Grams
Cms	415.7 m/n
Vas	166.5 Liters
Rsc	5.2
Leap Krm	5.798 m
Leap Kxm	27.301 mH
Leap Erm	0.834
Leap Exm	0.775
vcL	3.82mH @ 1K
Bl	14.74 Tm
Qms	9.654
Qes	0.401
Qts	0.385
Xmax	7.3 mm Peak
SD	0.0531 m <sup>3</sup>
Surround	Foam
Magnet	40 oz.
Voice Coil	2 Inch
Power Handling	200 watts
Freq. Response	25—1500 Hz
Efficiency	90 dB @2.83V
Uses	Home Hi-Fi, Auto
<b>Price</b>	<b>\$58.00</b>



Swan 305 Suggested Alignments				
Box Volume	56 Liter	70 Liter	90 Liter	120 Liter
Bass 1W /1m F3	42 Hz	32 Hz	28 Hz	25 Hz
Box Vent Freq. Fb	Sealed	24 Hz	24 Hz	24 Hz
Port Diameter		3	3	3
Inches				
Port Length		11	8.2	5.6
Inches				



## Eclipse Woofers by Eminence

Eclipse 10" Polypropylene cone woofer with rubber surround and vented pole piece.

Eclipse 12" Polypropylene cone woofer with rubber surround and vented pole piece.

W1038R 10" Poly Cone Woofer	
Fs	18.36
Impedance	6 ohm
Mmd	58.4 Grams
Cms	1207.4 m/n
Vas	214.9 Liters
Rsc	4.7
Leap Krm	3.439
Leap Kxm	25.412
Leap Erm	0.813
Leap Exm	0.670
vcL	1.4mH @ 1K
Bl	9.95 Tm
Qms	4.694
Qes	0.341
Qts	0.318
Xmax	8.0 mm Peak
SD	0.0354 m <sup>3</sup>
Surround	Rubber
Magnet	40 oz.
Voice Coil	2 Inch
Power Handling	100 watts
Freq. Response	28—1500 Hz
Efficiency	88 dB @2.83V
<b>Price</b>	<b>\$57.00</b>



Frame Size:  
 10 1/8" diameter  
 9 1/8" cutout diameter  
 4 7/16" depth

Sealed Box Alignment  
 2 cubic feet  
 F3 of 40Hz  
 Qtc of .7

Vented Box Alignments  
 QB3 alignment  
 2.9 cubic feet  
 F3 of 28Hz  
 3" diameter x 9" long

W1238R 12" Poly Cone Woofer	
Fs	21.48
Impedance	6 ohm
Mmd	86.5 Grams
Cms	586.39 m/n
Vas	236.55 Liters
Rsc	4.9
Leap Krm	3.368
Leap Kxm	28.125
Leap Erm	0.868
Leap Exm	0.738
vcL	2.84mH @ 1K
Bl	15.38 Tm
Qms	6.599
Qes	0.262
Qts	0.252
Xmax	8.0 mm Peak
SD	0.0533 m <sup>3</sup>
Surround	Rubber
Magnet	40 oz.
Voice Coil	2 Inch
Power Handling	150 watts
Freq. Response	25—1000 Hz
Efficiency	92 dB @2.83V
<b>Price</b>	<b>\$61.00</b>



Frame Size:  
 12" diameter  
 11" cutout diameter  
 5 3/8" depth

Vented Box Alignment  
 2.0 cubic feet  
 F3 of 35Hz  
 3" diameter x 6" long  
 w/KG5150 F3 30Hz

This speaker should be a good choice for a small powerful subwoofer.

# Skaaning Loudspeakers

These loudspeakers are a perfect blend of accurate performance, robust construction, and elegant industrial design. The SK170 is a mid bass driver for use in a sealed system, a woofer for small vented systems, or a bandpass subwoofer. Applications include recording monitors, compact hi power audio.

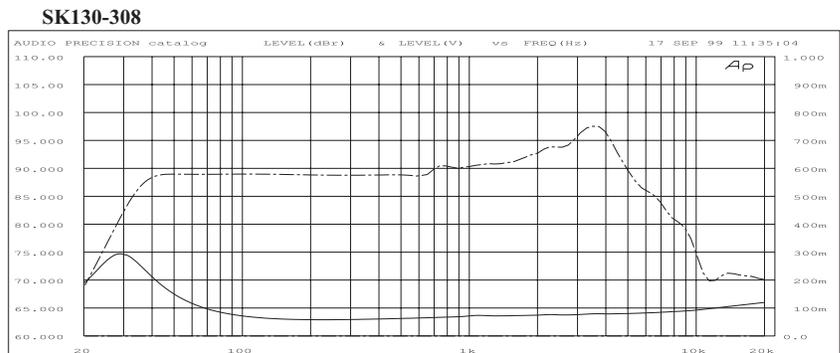
The SK300 combines the dynamic range of professional stage woofers and the accuracy of hi-fi woofers. It is designed for use as a subwoofer in Audio, Home Theatre, and Professional applications. It is also available as a Dual Voice Coil unit at 4 ohms per coil: SK300-344DVC.

Ejvind Skaaning was the founder and guiding force behind the well respected Danish companies of Scanspeak and Dynaudio. Mr. Skaaning's engineering skill and innovative designs are fully expressed in his line of loudspeakers.

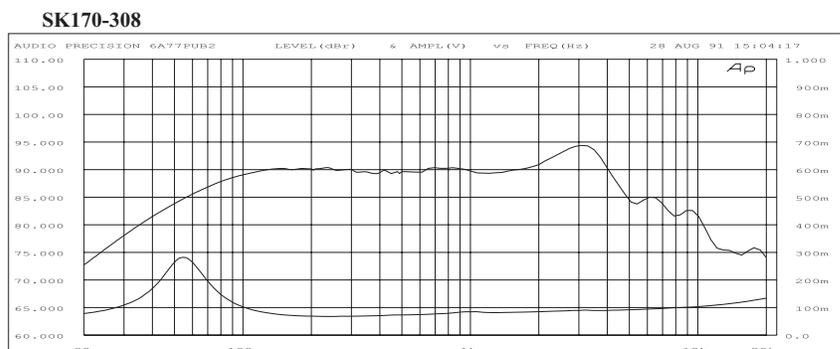
Technical Data	Symbol	SK130-308	SK170-308	SK300-304	Unit
Nominal Impedance	Z	8	8	4	$\Omega$
Resonance Frequency	Fs	48	37	18.38	Hz
Power Handling Nominal	P	150	200	350	W
Sensitivity (1W/1m)	E	90	90	91	dB
Voice coil Diameter	$\emptyset$	52	77	77	mm
DC Resistance	Re	4.8	5.49	3.4	$\Omega$
Voice Coil Inductance	Lbm	0.221	0.243	0.557	mH
Voice Coil Length	h	20	10	30	mm
Former		Aluminum			
Wire		Aluminum			
Number of Layers	n	2	2	2	
Cast Aluminum Basket		7 1/8" $\emptyset$	8 7/8" $\emptyset$	13 3/16" $\emptyset$	
Cone Material		Mineral Filled Polypropylene			
Surround Material		Rubber			
Magnet Size		130mm OD x 20mm H	170mm OD x 20mm H	170mm OD x 24mm H	
Force Factor	BL	6.1579	7.4737	9.5235	NA <sup>-1</sup>
Height of Magnet Gap	He	6	20	10	mm
Linear Excursion peak	Xmax	7	5 Underhung	10	mm
Suspension Compliance	Cms	2115.63	1161.44	1052.72	$\mu\text{mN}^{-1}$
Mechanical Q Factor	Qms	1.712	1.704	1.722	-
Electrical Q Factor	Qes	0.323	0.365	0.308	-
Total Q Factor	Qts	0.272	0.300	0.262	-
Moving Mass	Mms	13.76	15.98	71.24	g
Effective Piston Area	Sd	0.0137	0.017	0.0515	m <sup>2</sup>
Equivalent Air Volume	Vas	56.39	47.66	396.48	Ltrs
Leap Motor Constants	Krm	89.018	160.172	4.037	m $\Omega$
	Kxm	238.317	448.881	31.023	mH
	Erms	0.346	0.308	0.720	
	Exms	0.202	0.140	0.540	
Price Each		<b>\$330.00</b>	<b>\$400.00</b>	<b>\$680.00</b>	



**SK170-308**



**SK300-304**



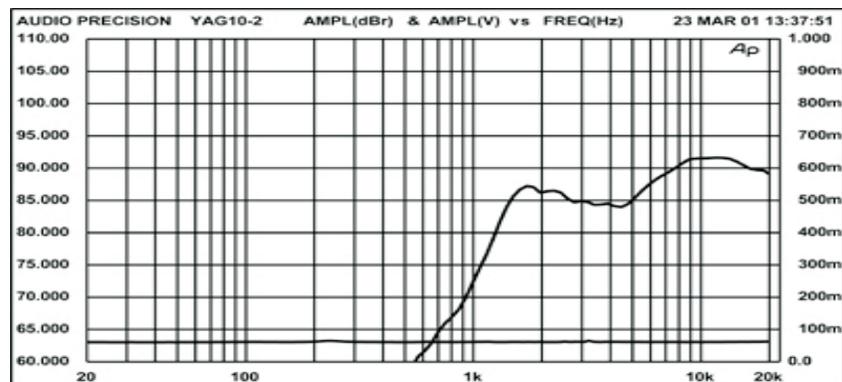
# silver flute

## RIBBON TWEETERS

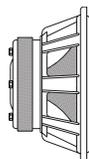
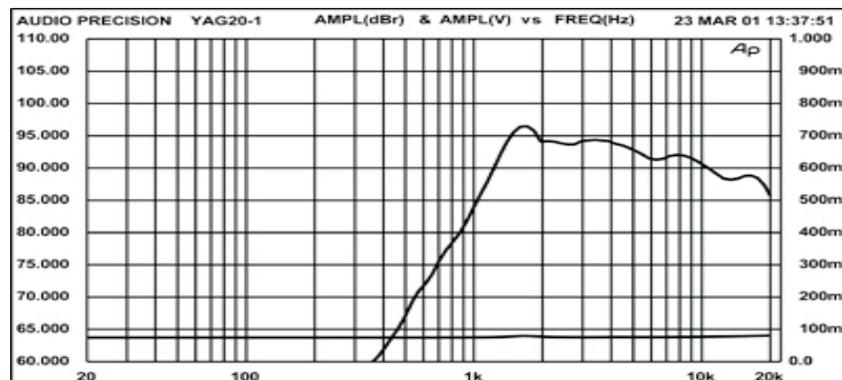
Madisound is pleased to introduce Silver Flute Ribbon Tweeters, the Yag-10 and Yag-20. These units are precision-engineered with several interesting features. The key element is a Kapton film membrane with a pattern of Cuprum conductors over 90% of the radiating area. This membrane assembly is placed between two rows of Neodymium bar magnets and is very light, almost weightless compared to a dome tweeter. The result is fast response to transients in the signal and a tweeter which reveals dynamics of instruments even with complex high-frequency spectra.

Unlike conventional speakers or electrostatics, the ribbon has a large radiating area for wide horizontal sound dispersion. A Cuprum mounting flange with flared wave guide controls the frequency response and directivity so you don't get floor or ceiling reflections in home environments. For home theater applications you only need one tweeter, not three, for good vertical directivity! Excellent clarity, transparency and detail as you would expect from a planar. Flat impedance and response ensure easy amplification and crossover design.

Silver Flute YAG10-2						
Impedance	Frequency Range	dB	Power	Cutout	Flange	Price Each
8 ohm	6kHz to20kHz	92	50W@6kHz	3" x 3.25"	4.75" diameter	\$17.50



Silver Flute YAG20-1						
Impedance	Frequency Range	dB	Power	Cutout	Flange	Price Each
8 ohm	3kHz to20kHz	90	80@3kHz	2.5" x 6.12"	3.5" x 6.25"	\$27.50



MADISOUND SPEAKER COMPONENTS, INC.

8608 UNIVERSITY GREEN

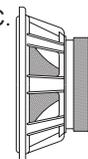
P.O. BOX 44283

MADISON, WI 53744-4283 U.S.A.

TEL: 608-831-3433 FAX: 608-831-3771

e-mail: info@madisound.com

Web Page: <http://www.madisound.com>





# ACCUTON by Thiel & Partner



Unit	Description	Ω	Fs Hz	dB	Watt	Box Ltrs Sealed/Vented	F3 Hz	Price Each
<b>Tweeters</b>								
<b>D20-6</b>	¾" Diamond Dome Tweeter	6	900	89.5	200			\$2,800.00
<b>C12-6</b>	1" Ceramic Dome Tweeter	6	700	89.5	120			\$159.00
<b>C23-6</b>	1.2" Ceramic Dome Tweeter	6	350	89.5	100			\$189.00
<b>Midranges</b>								
<b>C44-8</b>	2" Ceramic Dome Midrange	8	390	88.5	100			\$195.00
<b>C79-6</b>	3" Ceramic Dome Midrange	6	96	88.5	120			\$249.00
<b>Bass/Midranges, Woofers &amp; Passive Radiators</b>								
<b>C88-6</b>	5" Ceramic Bass-Midrange	6	36	86	120	7S / 11V	70 / 45	\$235.00
<b>C89-T6</b>	5" Ceramic Bass-Midrange	6	33.6	89.2	100	2.5S / 3V	110 / 80	\$259.00
<b>C92-6</b>	7" Ceramic Bass-Midrange	6	29	86	130	29S	49	\$198.00
<b>C95-T6</b>	7" Ceramic Bass-Midrange	6	32	89.1	130	6.5S / 9V	80 / 57	\$225.00
<b>C220-T6</b>	8" Ceramic Woofer	6	20.4	89.6	150	25S / 38V	53 / 36	\$349.00
<b>P180</b>	7" Passive Radiator							\$112.00
<b>P222</b>	8" Passive Radiator							\$125.00

The Accuton Ceramic Inverted Domes are made by a unique electro-chemical manufacturing process out of aluminum foil, which leads to very thin, form-stable diaphragms of Al<sup>2</sup>O<sup>3</sup> in Sapphire lattice with high internal damping. This feature is very important and responsible for very low coloration and distortion, un-achieved by other membrane materials. The well balanced concave shape yields wide and uniform energy distribution, which is far more important than high on axis sound pressure.

## D20-6



- ¾" PURE DIAMOND DOME TWEETER
- Response to @100kHz
- Extremely low harmonic distortion
- High sound propagation
- Ferrofluid loaded
- Flange 82 x 82mm
- Cut-out 64x 64mm
- Depth 56mm

Znom	6 ohm
Re	6.0 ohm
Le@1kHz	0.04 mH
fs	900 Hz
Qms	-
Qes	-
Qts	-
Mms	0.09 g
Cms	- mm/N

Sd	6.0 cm <sup>2</sup>
BL	- N/A
Vas	- ltrs
Xmax	- mm peak
VC Ø	18.9 mm
Sensitivity	1W / 1m 89.5 dB
Nom. Power	200 W
Net weight	430 g

## C12-6

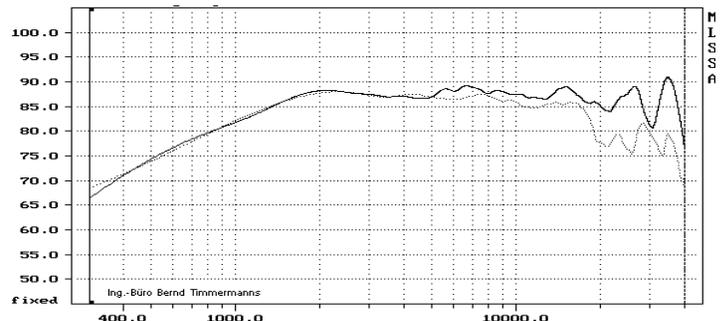


- 1" CERAMIC DOME TWEETER
- Response to @30kHz
- Great as supertweeter or in 2-Way system
- Heavy zinc frontplate
- Ferrofluid loaded
- Flange 82x 82mm
- Cut-out 64 x 64mm
- Depth 56mm

Znom	6 ohm
Re	6.0 ohm
Le@1kHz	0.04 mH
fs	700 Hz
Qms	-
Qes	-
Qts	-
Mms	.2 g
Cms	- mm/N

Sd	6.1 cm <sup>2</sup>
BL	- N/A
Vas	- ltrs
Xmax	- mm peak
VC Ø	16.4 mm
Sensitivity	1W / 1m 89.5 dB
Nom. Power	120 W
Net weight	530 g

Graph not available yet.



## C23-6



- 1.2" CERAMIC DOME TWEETER
- Wide bandwidth
- Response to @23kHz
- Very high resolution
- Very low resonance
- Ferrofluid loaded
- Flange 106 x106mm
- Cut-out 89x 89mm
- Depth 67mm

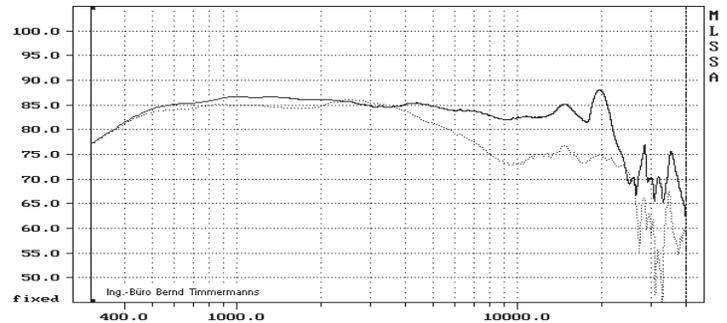
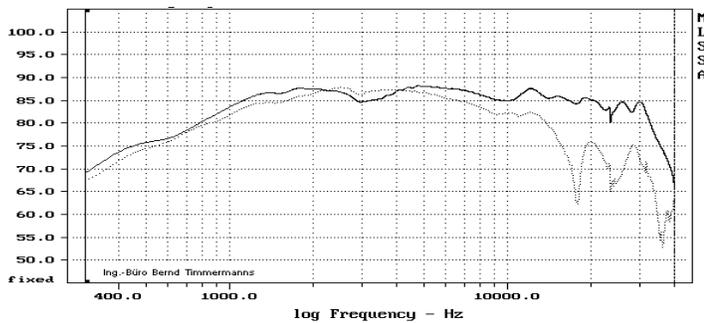
Znom	6 ohm	Sd	8.5 cm <sup>2</sup>
Re	6.1 ohm	BL	- N/A
Le@1kHz	0.04 mH	Vas	- ltrs
fs	350 Hz	Xmax	- mm peak
Qms	-	VC Ø	19.4 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89.5 dB
Mms	.4 g	Nom. Power	100 W
Cms	- mm/N	Net weight	980 g

## C44-8



- 2" CERAMIC DOME MIDRANGE
- Response to @12kHz
- Flat on- and off- axis response from 400 Hz
- Very high resolution
- Ferrofluid loaded
- Flange 106x106mm
- Cut-out 89 x 89mm
- Depth 67mm

Znom	8 ohm	Sd	.02 cm <sup>2</sup>
Re	8.2 ohm	BL	3.47 N/A
Le@1kHz	24.6 mH	Vas	.11 ltrs
fs	390 Hz	Xmax	0.8 mm peak
Qms	1.19	VC Ø	30.4 mm
Qes	2.2	Sensitivity	
Qts	.77	1W / 1m	88.5 dB
Mms	1.3 g	Nom. Power	130 W
Cms	0.13 mm/N	Net weight	680 g



## C79-6



- 3" CERAMIC DOME MIDRANGE
- Good dispersion up to 5 kHz
- Very high resolution
- Requires 1.5 to 4 liter sealed chamber
- Flange 130x130mm
- Cut-out 116x116mm
- Depth 75mm

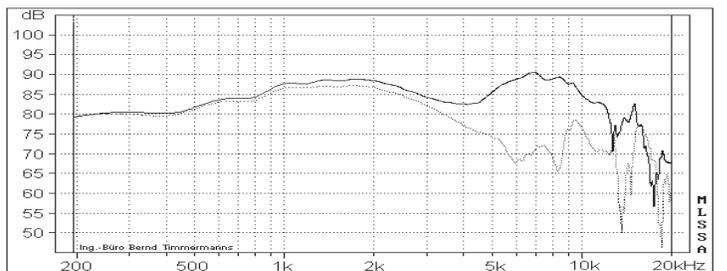
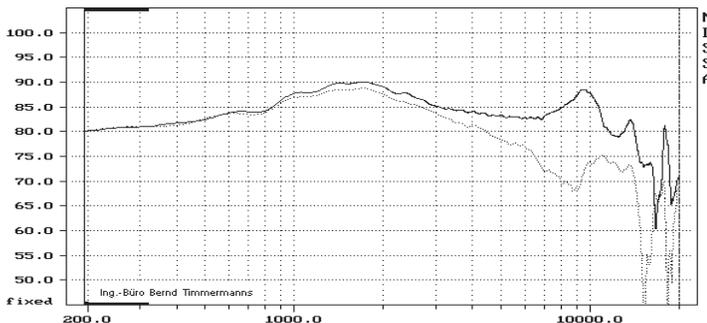
Znom	6 ohm	Sd	75.5 cm <sup>2</sup>
Re	5.8 ohm	BL	4.96 N/A
Le@1kHz	.12 mH	Vas	3.1 ltrs
fs	96 Hz	Xmax	2.6 mm peak
Qms	.96	VC Ø	37.7 mm
Qes	1.07	Sensitivity	
Qts	.51	1W / 1m	88.5 dB
Mms	7.2 g	Nom. Power	120 W
Cms	.39 mm/N	Net weight	1800 g

## C88-6



- 5" CERAMIC BASS-MIDRANGE
- Good dispersion up to 4 kHz
- High resolution
- Good excursion
- Wide bandwidth
- Flange 130x130mm
- Cut-out 116x116mm
- Depth 75mm

Znom	6 ohm	Sd	80.1 cm <sup>2</sup>
Re	5.9 ohm	BL	4.67 N/A
Le@1kHz	.16 mH	Vas	20 ltrs
fs	36 Hz	Xmax	3.0 mm peak
Qms	1.04	VC Ø	37.7 mm
Qes	.54	Sensitivity	
Qts	.35	1W / 1m	86 dB
Mms	8.8 g	Nom. Power	120 W
Cms	2.23 mm/N	Net weight	1800 g



## C89-T6



- 5" CERAMIC BASS-MIDRANGE
- Good dispersion up to 5 kHz
- Very high resolution
- Rubber surround
- Titanium VC former
- Flange 130x130mm
- Cut-out 116x116mm
- Depth 75mm

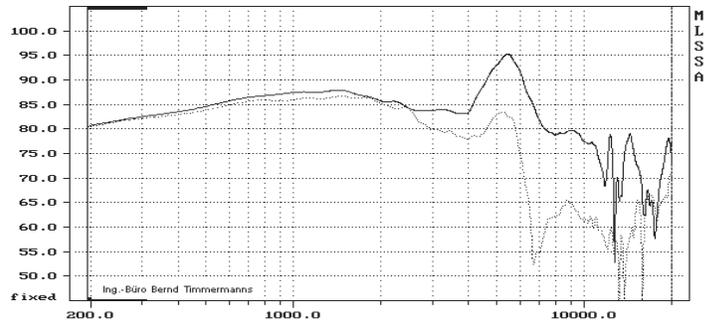
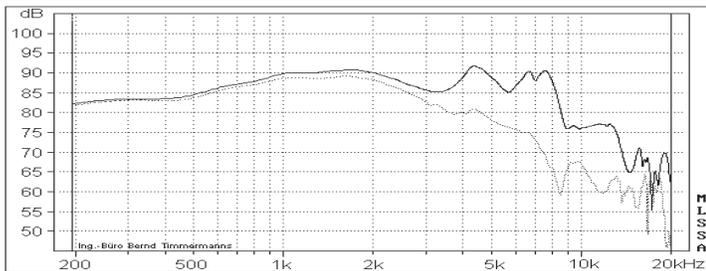
Znom	6 ohm	Sd	83.3 cm <sup>2</sup>
Re	5.9 ohm	BL	7.1 N/A
Le@1kHz	0.4 mH	Vas	23.5 ltrs
fs	33.6 Hz	Xmax	3.1 mm peak
Qms	3.29	VC Ø	37.7 mm
Qes	.23	Sensitivity	
Qts	.215	1W / 1m	89.2 dB
Mms	9.3 g	Nom. Power	100 W
Cms	2.42 mm/N	Net weight	1800 g

## C92-6



- 7" CERAMIC BASS-MIDRANGE
- Good dispersion up to 4 kHz
- Very high resolution
- Rubber surround
- Aluminum VC former
- Flange 180mm
- Cut-out 146mm
- Depth 87mm

Znom	8 ohm	Sd	133 cm <sup>2</sup>
Re	6.1 ohm	BL	5.1 N/A
Le@1kHz	0.4 mH	Vas	54.8 ltrs
fs	29 Hz	Xmax	4.0 mm peak
Qms	1.44	VC Ø	39 mm
Qes	.59	Sensitivity	
Qts	.42	1W / 1m	86 dB
Mms	13.8 g	Nom. Power	130 W
Cms	2.18 mm/N	Net weight	2450 g



## C95-T6



- 7" CERAMIC BASS-MIDRANGE
- Good dispersion up to 3 kHz
- Very high resolution
- Rubber surround
- Titanium VC former
- Flange 180mm
- Cut-out 146mm
- Depth 108mm

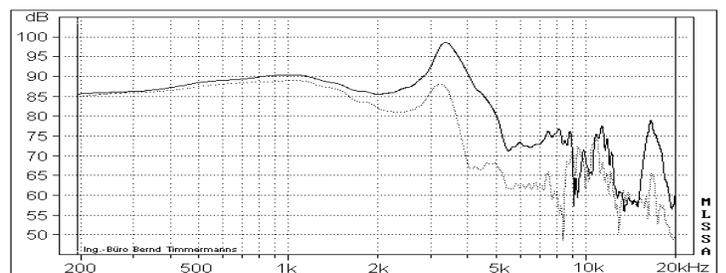
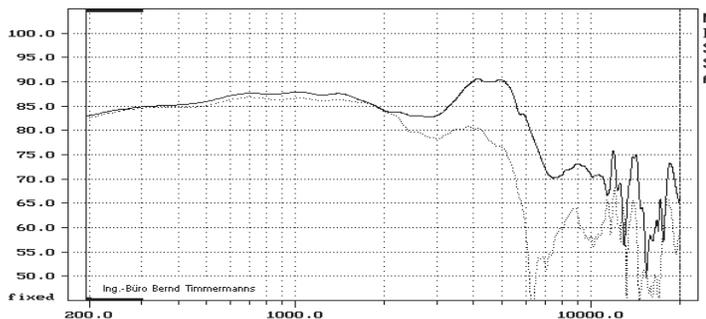
Znom	6 ohm	Sd	133 cm <sup>2</sup>
Re	5.9 ohm	BL	8.32 N/A
Le@1kHz	0.73 mH	Vas	34.2 ltrs
fs	32 Hz	Xmax	5.0 mm peak
Qms	4.0	VC Ø	38 mm
Qes	.30	Sensitivity	
Qts	.279	1W / 1m	89.1 dB
Mms	13.8 g	Nom. Power	130 W
Cms	1.36 mm/N	Net weight	2450 g

## C220-T6



- 8" CERAMIC WOOFER
- Low resonance
- Suitable as subwoofer
- High excursion
- Rubber surround
- Titanium VC former
- Flange 222mm
- Cut-out 188mm
- Depth 120mm

Znom	6 ohm	Sd	233 cm <sup>2</sup>
Re	5.9 ohm	BL	9.1 N/A
Le@1kHz	0.61 mH	Vas	144 ltrs
fs	20.4 Hz	Xmax	5.2 mm peak
Qms	4.49	VC Ø	38 mm
Qes	0.29	Sensitivity	
Qts	0.27	1W / 1m	89.6 dB
Mms	31.9 g	Nom. Power	150 W
Cms	1.91 mm/N	Net weight	2950 g

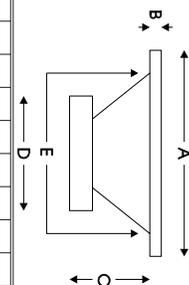




Model	Imp Ω	Fs Hz	Qts	Vas Ltrs	Power @12dB	dB 283V/m	Xmax mm P	Box Liter Sealed/Vented	F3 Hz	Price Each
<b>TWEETERS</b>										
<b>R2904/7000:</b> Premium Ring Radiator	4	520				94.5	0.2			\$450.00
<b>D2008/8512:</b> ¾" dome, chamber, ff	8	800			150@4k	90	0.7			\$51.50
<b>D2010/8513:</b> ¾" dome, chamber, foam on faceplate, ff	8	800			150@4k	90	0.7			\$56.50
<b>D2904/6000-00:</b> 1" dome, neodymium magnet, grill	4	750			150@2.7k	90	0.25			\$164.00
<b>D2904/6000-01:</b> 1" dome, neodymium magnet	4	750			150@2.7k	90.5	0.25			\$149.00
<b>D2904/8000:</b> 1" aluminum dome, diffuser, SD-2, NRC	4	500			160@2.8k	90	0.1			\$198.00
<b>D2905/9300:</b> 1" textile dome, chamber, FF	8	650			150@2.5k	90	0.4			\$76.00
<b>D2905/9500:</b> 1" textile dome, NRC, FF	8	550			150@2.5k	90	0.4			\$84.00
<b>D2905/9700:</b> 1" textile dome, SD-2, LCD, NRC	8	500			225@2.8k	89.5	0.4			\$180.00
<b>D2905/9900:</b> 1" textile dome, SD-2, LCD, NRC, CDD	8	500			225@2.8k	91	0.4			\$209.00
<b>D3806/8200:</b> 1.5" textile dome, mid-tweeter, SD	8	450			100@1k	90	0.4			\$88.00
<b>MIDRANGES</b>										
<b>12M/4631G:</b> 4.5" slit paper cone, neodymium magnet, R3	4	75	0.33	2.4	40@75	89	3.0	0.7 / 1.0	160 / 100	\$224.00
<b>13M/8636:</b> 5" kevlar cone, SD, R	8	77	0.32	3.0	100@300	86.5	1.5	0.8 / 1.2	170 / 125	\$114.00
<b>13M/8640:</b> 5" paper cone, SD, R2	8	64	0.24	2.7	100@300	87.5	1.5	0.7 / 1.0	185 / 140	\$84.00
<b>MID/WOOFERS</b>										
<b>15S/8530K-00:</b> Shielded 5" paper cone, NRCS, SD-1, R3	8	30	0.35	28	60	84.5	6.5	9.5 / 15	60 / 40	\$190.00
<b>15W/8530K-00:</b> 5" paper cone, NRCS, SD-1, R3	8	30	0.27	28	60	85.5	6.5	5.1 / 7.4	77 / 55	\$175.00
<b>15W/8530K-01:</b> 5" paper cone, NRCS, SD-1, R3	8	30	0.35	28	60	84.5	6.5	9.5 / 15	60 / 40	\$175.00
<b>18S/8531G:</b> Shielded, 7" slit paper cone, SD-1, R3	8	28	0.40	59	60	86.5	6.5	29 / 42	48 / 33	\$258.00
<b>18W/8531G:</b> 7" slit paper cone, SD-1, R3	8	28	0.36	59	60	87	6.5	21 / 36	54 / 35	\$224.00
<b>18S/8535:</b> Shielded 7" carbon paper cone, SD-1, R3	8	26	0.40	72	70	86.5	5.0	33 / 49	45 / 30	\$148.00
<b>18W/8535:</b> 7" carbon paper cone, SD-1, R3	8	26	0.38	72	70	86.5	5.0	30 / 46	48 / 33	\$141.00
<b>18W/8542:</b> 7" paper cone, SD, foam surround	8	30	0.22	49	70	89	6.5	6 / 9	94 / 63	\$118.00
<b>18W/8543:</b> 7" polypropylene cone, SD, R	8	30	0.22	49	70	88.5	6.5	5 / 9	97 / 65	\$116.50
<b>18W/8545:</b> 7" carbon paper cone, SD-1, R3	8	28	0.27	48	100	88	6.5	8 / 15	75 / 46	\$143.00
<b>18W/8545K:</b> 7" carbon paper cone, SD-1, R3, Kapton former	8	28	0.28	48	100	87.5	6.5	9 / 19	70 / 42	\$147.00
<b>18W/8546:</b> 7" Kevlar cone, SD-1, R3	8	22	0.19	84	100	88	6.5	7 / 11	80 / 56	\$140.50
<b>WOOFERS</b>										
<b>21W/8554:</b> 8" Kevlar cone, SD, Foam surround	8	23	0.22	160	110	90	6.5	17 / 26	75 / 50	\$145.50
<b>21W/8555-00:</b> 8" hard paper cone, SD-1, R3	8	20	0.31	136	100	87	6.5	35 / 48	46 / 32	\$162.00
<b>21W/8555-01:</b> 8" hard paper cone, SD-1, R3	8	19	0.26	136	100	87.5	6.5	21 / 30	52 / 37	\$162.00
<b>25W/8565-00:</b> 10" hard paper cone, SD-1, R3	8	20	0.41	229	100	88	6.5	70 / 100	36 / 28	\$168.00
<b>25W/8565-01:</b> 10" hard paper cone, SD-1, R3	8	19	0.34	229	100	88	6.5	50 / 90	40 / 28	\$168.00
<b>AUTOSOUND</b>										
<b>D2904/6000-00:</b> 1" dome, neodymium magnet, grill	4	750			150@2.7k	90	0.25			\$164.00
<b>13M/4535:</b> 5" paper cone midrange w/grill, SD, R2	4	56	0.26	5	35	90	2.5	2 Sealed	200	\$90.00
<b>18W/5535A:</b> 7" carbon paper cone, SD-1, R3	4	35.5	0.45	34	100	87.7	5.5	11(+6dB Gain)	50	\$118.75
<b>21W/5555A:</b> 8" hard paper cone, SD-1, R3	4	26	0.36	92	100	88	8.0	18(+6dB Gain)	44	\$156.85
<b>25W/5565A:</b> 10" hard paper cone, SD-1, R3	4	23.5	0.41	180	100	89	8.0	49(+6dB Gain)	26	\$178.90

Unit	A	B	C	D
R2904/7000	104	5.9	30.9	70
D2008/8512	92	3	38	69
D2010/8513	98	5	41	69
D2904/6000-00/01	59.5	3	29	41
D2904/9800	104.5	3	43	74
D2905/9300, 9500, 9700	104.5	3	41	74
D2905/9900	130	5	48	90
D3806/8200	125	4	45	92
12M/4631G	115.5	3	48.4	92
13M/8636, 8640, 4535	130	6	48	100
15S/8530K-01	148	6	77	125

Unit	A	B	C	D
15W/8530K's	148	6	71	125
18S/8535	177	4	80	158
18W/5535A	177	4	76	158
18S/8531G	182	5.5	86.2	158
18W/8531G	182	5.5	77	156
18W/8535, 8543, 8545/K, 1846	177	4	70	158
21W/5555A	222	5	90	192
21W/8554	222	5	77	192
21W/8555's	222	5	81	192
25W/5565A	255	6	94	228
25W/8565's	255	6	86	228





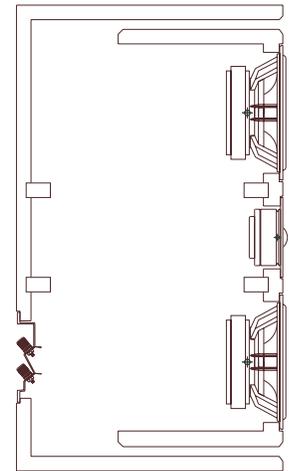
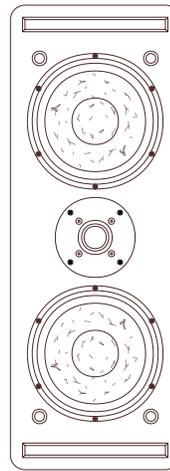
# The Solist



Madisound is pleased to offer **Solist**, a very precise MTM speaker system. We are confident that we have achieved a speaker that meets or exceeds the expectations of today's discerning Audiophile.

The **Solist** is capable of delivering the most demanding passage without losing the delicacy of every nuance. The **Solist** has an immediacy about it that elicits excitement in the listener, yet is never fatiguing. We have listened to the **Solist** on both transistorized amplifiers and tube amplifiers and found both to be pleasing.

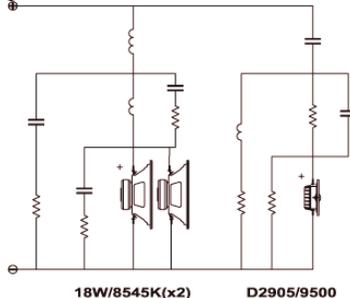
The **Solist** is designed around the popular **Scan-speak 18W/8545K** carbon/paper cone 7" woofer. This **18W/8545K** features a heavily damped and carbon fibre impregnated paper cone that dampens resonances normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as lowering clipping distortion created as the voice coil exceeds its maximum linear excursion. The "K" version uses a non-conducting high temperature Kapton voice coil former, which improves bass response and resolution in the midrange frequencies. A new type of rubber surround combines dynamic linearity with low coloration.



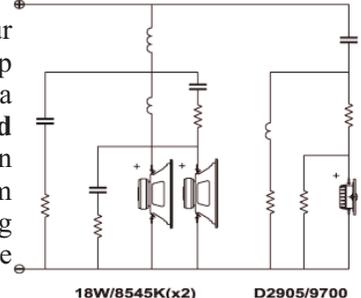
Width 8 3/4" Height 24" Depth 13 1/2"

The **Solist** high frequencies are reproduced by either the **Scan-speak D2905/9500** tweeter or the **D2905/9700** tweeter. The standard version of the **Solist** employs the **D2905/9500**, a 1" hand coated textile dome tweeter with an optimized magnet system geometry and the Anti-Resonator-Plugin the rear chamber from the Revelator. A light magnetic fluid is used to assist linear mechanical ability with as little micro-dynamic un linearity as possible. The hand coated dome assures a flat response out to 30kHz, by extending dynamic linearity and damping resonances.

The upgraded **Solist** uses the **D2905/9700** tweeter which uses the same motor as the Revelator tweeter, but with the standard flange. The Revelator motor is state of the art, using SD caps and shorting rings that minimize electrical phase shift. The top plate has been carefully machined to reduce air noises and compression from behind the dome and to assist in cooling the voice coil. The hand coated textile dome is a refinement of earlier versions and also incorporates a special devise behind the dome to minimize dynamic compression. The 28mm voice coil uses plastic coated aluminum wire on an aluminum voice coil former. No ferrofluid is used in the air gap.



The **crossover** network was designed using our anechoic chamber, Audio Precision and the Linear Leap software. The acoustical 18dB bi-wire network yields a seamless response from 40Hz to 20KHz. The **standard** crossover has some 16 awg Sidewinder coils, Solen Polypropylene capacitors and Eagle metal oxide film resistors. The **upgraded** version uses some 14 awg Goertz Copper Foil inductors, Solen Polypropylene capacitors, Hovland Musicaps and Eagle resistors.



The **cabinets** are fully assembled oak veneered MDF with solid rounded oak corners in clear coat or black painted finish. The front and back are black and the front is covered by a full black grill. You can further upgrade the cabinet by installing the Deflex damping pads to reduce cabinet resonances and cut down on internal reflections.

**Kit Price per pair using D2905/9500 tweeter \$1140.00**  
**Price per pair without cabinets \$830.00**

**Kit Price per pair using D2905/9700 tweeter \$1312.80**  
**Price per pair without cabinets \$1002.80**

**Deflex Upgrade: 10 panels and glue**  
**Add \$103.86**

**Nordost 2flat wire Upgrade: Add \$26.64**

**Crossover Upgrade: Add \$243.00**



## R2904/7000

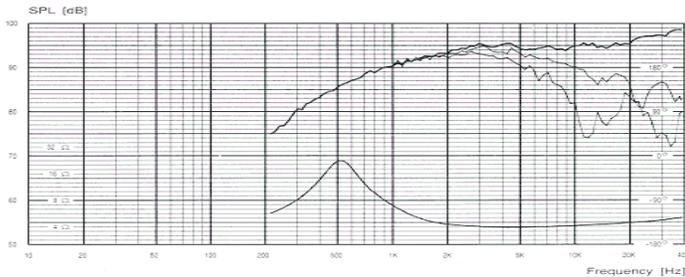
The R2904/7000 tweeter is the new flagship tweeter in the Scan-Speak line. This tweeter incorporates many innovative design concepts.

The first notable difference is the use of a phase plug. The dome is attached to the phase plug, so the radiating area is now concentrated around the voice coil. This offers more control and reduces distortion and loss that occur at the center of the dome on dome tweeters. The phase plug also acts as a wave guide, reducing high frequency cancellations. A specially designed venting system uses a needle to cut down on turbulence in the air cavity. Better dynamics are achieved by not using ferrofluid, voice coil cooling is performed by the venting system and conduction through copper rings. The new SD-2 neodymium magnet system improves transient response.



### TECHNICAL DATA:

Sensitivity	94.5dB 2.83V/1m	V.C. height	-
Free air resonance Fs	520 Hz	Air gap height	-
DC resistance	3.0 ohm	Lin. & max. excursion	±0.25 / ±1.3mm
V.C. inductance	0.01 mH	Air gap flux density	-
Power 12dB@Hz	150W@2.7K	Force factor BL Product	2.7 Tm
Effective cone area	8 cm <sup>2</sup>	Moving mass incl. air	0.4 g
V.C. diameter	28 mm	Net weight	0.13 kg



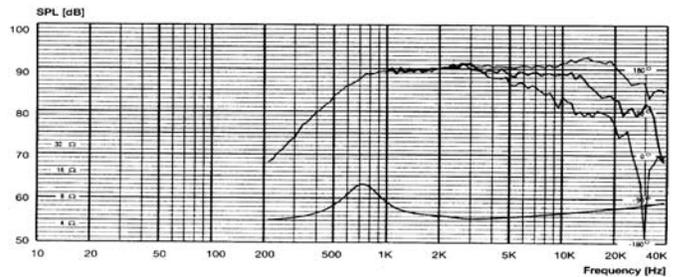
## D2904/6000-01

The D2904/6000-01 tweeter has a 1" coated textile dome and a neodymium magnet system. This speaker uses a compact self shielding Symmetric Drive magnet system, utilizing three powerful neodymium magnets. The cavity under the voice coil is coupled to the chamber through eight holes in the top plate. Pure cotton is used as damping material. The textile diaphragm is carefully hand coated. The reproduction is very dynamic and open, with low levels of compression. Perfect for A/V. Also available with grill as D2904/6000-00.



### TECHNICAL DATA:

Characteristic sensitivity	90.5dB 1W/1m	Lin. & max. excursion	±0.25 / ±1.3mm
Free air resonance Fs	750 Hz	Air gap flux density	-
DC resistance	3.5 ohm	Force factor BL Product	2.7 Tm
V.C. inductance	0.02 mH	Moving mass incl. air	0.4 g
Power 12dB@Hz	150W@2.7K	Net weight	0.13 kg
Effective cone area	8 cm <sup>2</sup>	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



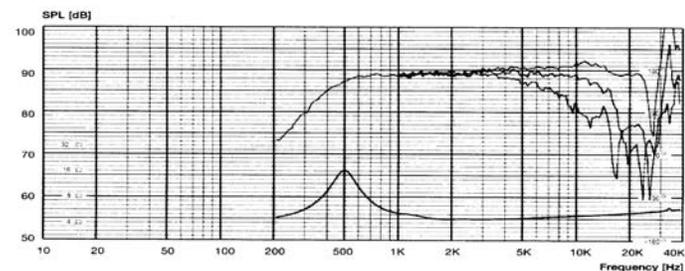
## D2904/9800

The D2904/9800 is a high-end 1" aluminum dome tweeter. The magnet system uses the Symmetric Drive technology that almost eliminates electrical phase shift. The specially designed chamber reduces air noise and compression. The geometry of the dome causes the characteristic "break-up" to appear beyond the audible range. A specially designed diffuser is used to equalize the response in the upper octave. The tweeter has a very clear and open sound.



### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	±0.1 / ±1.5 mm
Free air resonance Fs	500 Hz	Air gap flux density	-
DC resistance	3.5 ohm	Force factor BL Product	2.8 Tm
V.C. inductance	0.01 mH	Moving mass incl. air	0.50 g
Power 12dB@Hz	160W@2.8K	Net weight	0.7 kg
Effective cone area	8.5 cm <sup>2</sup>	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



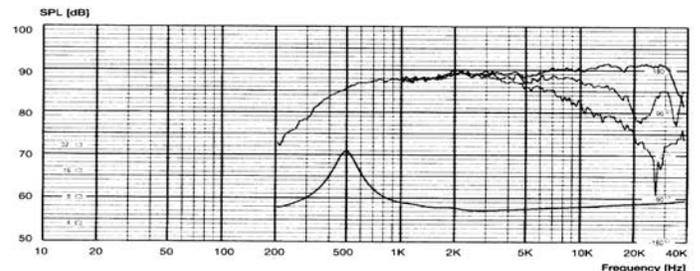
## D2905/9700 1" Dome Tweeter

The D2905/9700 uses the same hand coated dome and voice coil of the D2905/9500, but uses the motor system of the Revelator. The Symmetric Drive technology eliminates almost all electrical phase shift. The carefully machined top plate minimize air noise and compression. Copper caps act as heat conductors. High power handling is achieved without ferrofluid and improves micro-dynamic linearity. The tweeter has excellent dynamic and detailing capability.



### TECHNICAL DATA:

Sensitivity 1W/1m	89.5dB	Lin. & max. excursion	±0.4 / ±1.5 mm
Free air resonance Fs	500 Hz	Air gap flux density	-
DC resistance	4.7 Ω	BL	3.5 Tm
V.C. inductance	0.01 mH	Moving mass incl. air	0.45 g
Power	225W@2.8kHz	Net weight	0.7 kg
Effective cone area	8.5 cm <sup>2</sup>	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



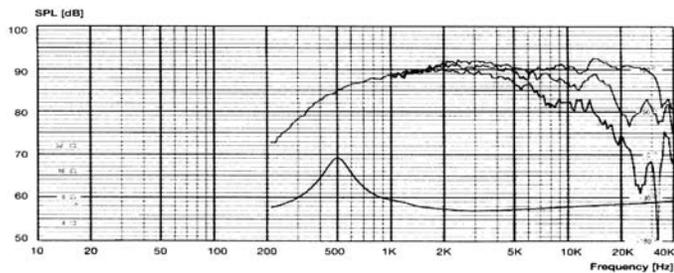


## D2905/9900 Revelator Dome Tweeter

The D2905/9900 is our state of the art tweeter. This "revelation" is a 1" textile dome tweeter that will reach new borders within high-end loudspeaker drive units. The new magnet system with SD caps and rings that eliminate the electrical phase shift. The new chamber design reduces air noises and compression. The 130mm machined aluminum front plate has more controlled directivity (down to 2KHz). The textile dome is hand coated and a special device is placed behind it to reduce dynamic compression.



TECHNICAL DATA:		V.C. height	-
Sensitivity 1W/1m	91dB	Air gap height	-
Free air resonance Fs	500 Hz	Lin. & max. excursion	±0.4/ ±1.5 mm
DC resistance	4.7 Ω	Air gap flux density	-
V.C. inductance	0.01 mH	BL	3.5 Tm
Power	225W@2.8kHz	Moving mass incl. air	0.45 g
Effective cone area	8.5 cm <sup>2</sup>	Net weight	0.8 kg
V.C. diameter	28 mm		

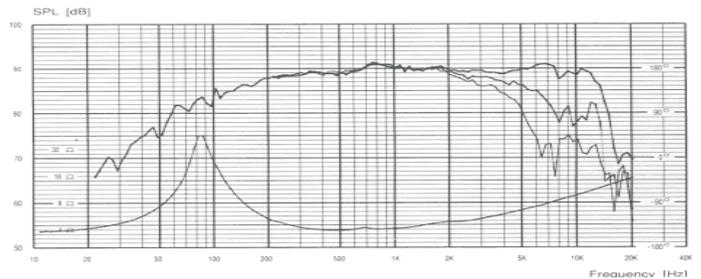


## 12M/4631G Revelator 4.5" Midrange

This is the newest member of the Revelator line of speakers using the "slit cone" technology. Some of the slits are used to control cone resonance and the other set of slits add rigidity. This speaker also has the new dynamic linear suspension for lower compression and higher linearity. Every facet of this driver is designed to reduce resonance in all structures. A neodymium magnet has been chosen to reduce the depth, yet increase the magnetic energy. The short field length of a neodymium magnet also allows this driver to be used for A/V.



TECHNICAL DATA:		V.C. height	-
Sensitivity 1W/1m	91dB	Air gap height	-
Free air resonance Fs	500 Hz	Lin. & max. excursion	±0.4/ ±1.5 mm
DC resistance	4.7 Ω	Air gap flux density	-
V.C. inductance	0.01 mH	BL	3.5 Tm
Power	225W@2.8kHz	Moving mass incl. air	0.45 g
Effective cone area	8.5 cm <sup>2</sup>	Net weight	0.8 kg
V.C. diameter	28 mm		

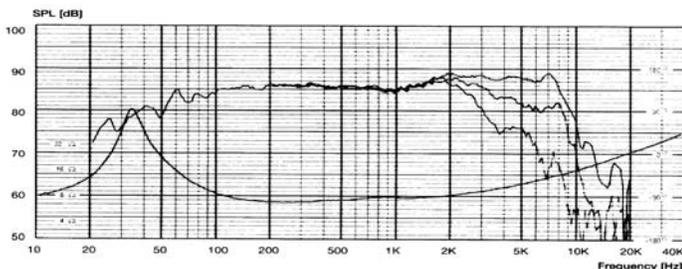


## 15W/8530K-00/01

The 15W/8530K-01 is a 5 1/2" Revelator mid/woofer. It features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability make the 15W have more musical and dynamic capability than any other 5 1/2" we know of. Wonderful bass in a small box!



TECHNICAL DATA:		Lin. & max. excursion	±6.5 / ±9mm
Characteristic sensitivity	85.5/84.5dB	Air gap flux density	-
Free air resonance Fs	30 Hz	Force factor BL Product	7/6.1 Tm
DC resistance	5.8 ohm	Moving mass incl. air	13 g
V.C. inductance	0.35 mH	Net weight	1.6/1.3 kg
Power 12dB@Hz	60W	Vas	28 ltrs
Effective cone area	95 cm <sup>2</sup>	Qms	4.9
V.C. diameter	38 mm	Qes	0.29/0.38
V.C. height	-	Qts	0.27/0.35
Air gap height	-		

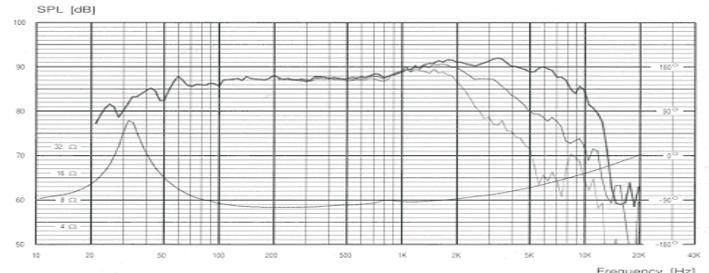


## 18S/8531G-00

The 18W/8531G-00 is a 7" Revelator mid/woofer. It features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability. The magnet system has been shielded for use in A/V systems. (Picture is of 18W/8531G)



TECHNICAL DATA:		Lin. & max. excursion	±6.5 / ±1.5 mm
Characteristic sensitivity	87dB 2.83V/1m	Air gap flux density	-
Free air resonance Fs	27.5 Hz	Force factor BL Product	6.7 Tm
DC resistance	5.8 ohm	Moving mass incl. air	15.5 g
V.C. inductance	0.35 mH	Net weight	1.75 kg
Power	70W	Vas	61 ltrs
Effective cone area	150 cm <sup>2</sup>	Qms	5.0
V.C. diameter	38 mm	Qes	0.39
VC height	-	Qts	0.36
Air gap	-		





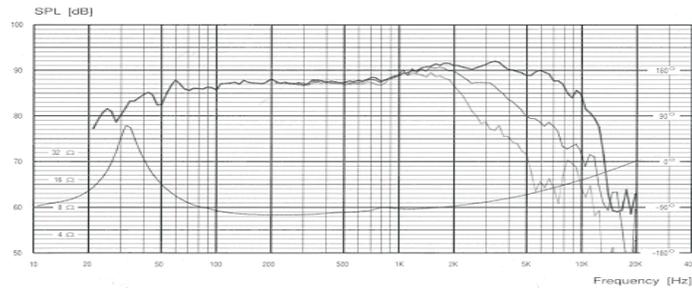
## 18W/8531G-00

The 18W/8531G-00 is a 7" Revelator mid/woofer. It features a non-resonant cone and dust cap structure, dynamic linear suspension, SD-1 magnet system, "Grasshopper" cast chassis with maximized air flow and resonance terminating mounting system. Less resonance in all structures, lower compression and higher linearity, faster termination of excess energy and higher sound pressure capability. The 18W/8531G should have an F3 of about 50Hz sealed and 35Hz vented.



### TECHNICAL DATA:

Characteristic sensitivity	87dB 2.83V/1m	Lin. & max. excursion	±6.5 / ±1.5 mm
Free air resonance Fs	27.5 Hz	Air gap flux density	-
DC resistance	5.8 ohm	Force factor BL Product	6.7 Tm
V.C. inductance	0.35 mH	Moving mass incl. air	15.5 g
Power	70W	Net weight	1.75 kg
Effective cone area	150 cm <sup>2</sup>	Vas	61 ltrs
V.C. diameter	38 mm	Qms	5.0
VC height	-	Qes	0.39
Air gap	-	Qts	0.36



## D2008/8512 3/4" Dome Tweeter

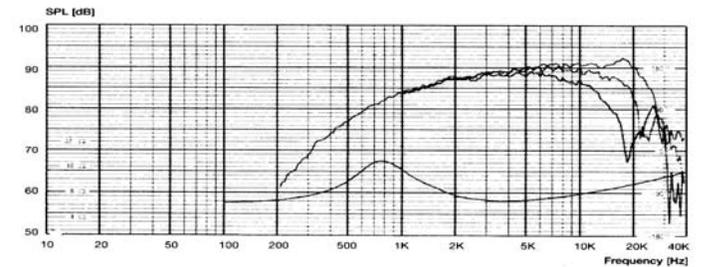
Double chambered 3/4" damped textile dome tweeter. The voice coil is a precision wound aluminum wire with a 27 strand tinsel braid for a lower resonance. The magnet system is a special high flux ferrite with vented pole plates. The surround of the diaphragm is damped to reduce distortion.



This tweeters extremely linear response, low distortion and wide dispersion make it an attractive choice for any speaker system.

### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	V.C. height	3.2 mm
Free air resonance fs	1000 Hz	Air gap height	1.6 mm
DC resistance	5.8 ohm	Lin. & max. excursion	±0.8 / ±1.2 mm
V.C. inductance	0.08 mH	Air gap flux density	1.6 T
Power 12dB@Hz	150W@4K	Force factor BL Product	1.8 Tm
Effective cone area	3.8 cm <sup>2</sup>	Moving mass incl. air	0.20 g
V.C. diameter	19.0 mm	Net weight	0.4 kg



## D2010/8513

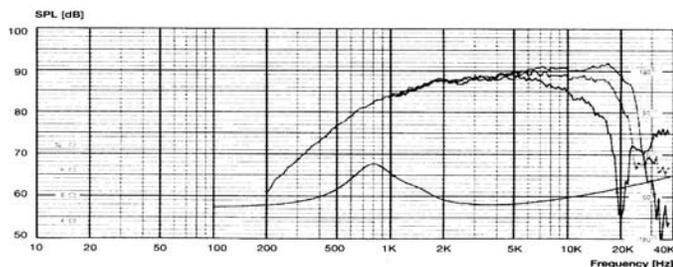
Similar to the D2008, but with several improvements, a foam impregnated front face plate and a lower resonance. Double chambered 3/4" damped textile dome tweeter with the same diaphragm and voice coil as the D2008.

The lower resonance of this driver will allow it to be crossed over lower than most other 3/4" dome tweeters, yet retain the low distortion and clarity characteristic of a 3/4" dome. We recommend a steeper x-over slope be used when the x-over point is below 3KHz.



### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	±0.7 / ±1.2 mm
Free air resonance Fs	800 Hz	Air gap flux density	-
DC resistance	5.7 ohm	Force factor BL Product	2.4 Tm
V.C. inductance	0.07 mH	Moving mass incl. air	0.25 g
Power 12dB@Hz	150W@4K	Net weight	0.4 kg
Effective cone area	3.8 cm <sup>2</sup>	Vas	-
V.C. diameter	19 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



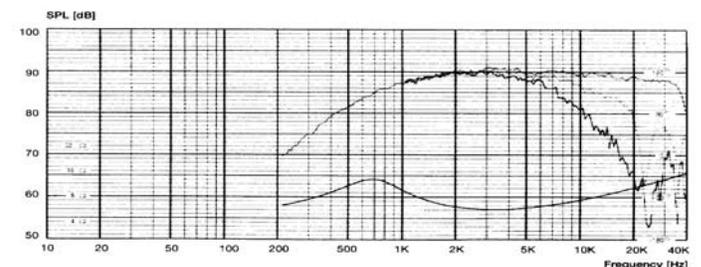
## D2905/9300 1" Dome Tweeter

The D2905/9300 is a 1" textile dome tweeter with a very flat frequency response and low distortion. The D2905/9300 achieves a lower resonance and increased clarity by using several coatings of damping material on the dome and chambering behind the dome. Both these damping factors and the use of a light magnetic fluid, reduce the resonances as much as possible, while reducing compression affects. This tweeters linear response and openness make it a good choice for any system.



### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	±0.4 / ±1.5 mm
Free air resonance Fs	650 Hz	Air gap flux density	-
DC resistance	4.7 ohm	Force factor BL Product	3.5 Tm
V.C. inductance	0.08 mH	Moving mass incl. air	0.45 g
Power 12dB@Hz	150W@2.5K	Net weight	0.7 kg
Effective cone area	8.5 cm <sup>2</sup>	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-





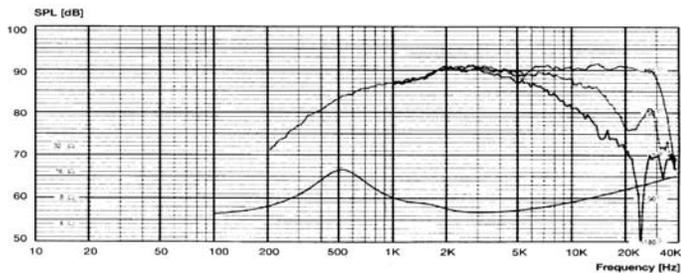
## D2905/9500 1" Dome Tweeter

The D2905/9500 is similar to the D2905/9300, but with non-resonant chamber. The optimized polepiece geometry reduces flow resistance and the anti-resonator-plug in the rear chamber eliminates turbulence. A light ferrofluid is used in the air gap to ensure optimal linear mechanical behavior and minimal micro-dynamic non-linearity. This tweeter has a smooth transparent sound and very low levels of distortion. A perfect choice for any high end system.



### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	$\pm 0.4 / \pm 1.5$ mm
Free air resonance Fs	550 Hz	Air gap flux density	-
DC resistance	4.7 ohm	Force factor BL Product	3.5 Tm
V.C. inductance	0.08 mH	Moving mass incl. air	0.45 g
Power 12dB@Hz	150W@2.5K	Net weight	0.7 kg
Effective cone area	8.5 cm <sup>2</sup>	Vas	-
V.C. diameter	28 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



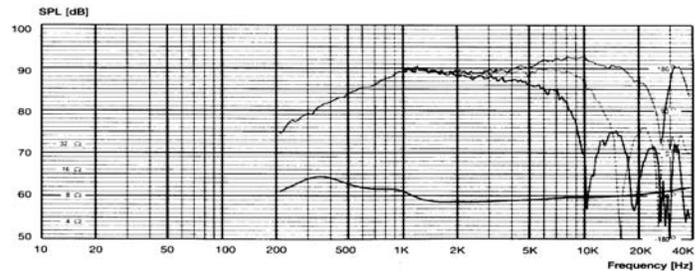
## D3806/8200 1.5" Dome Mid/Tweeter

The D3806/8200 is a dome midrange/tweeter. The magnet system incorporates the Symmetric Drive technology. The pole piece is vented and damped by a porous foam pad for correct tuning and coupling of the rear chamber. The surround is partially covered by a front ring to minimize distortion and improve phase response. The low resonance allows for a low crossover point. The frequency response is smooth and the tweeter has good dispersion characteristics.



### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	$\pm 0.4 / \pm 1$ mm
Free air resonance Fs	450 Hz	Air gap flux density	-
DC resistance	5.7 ohm	Force factor BL Product	3.8 Tm
V.C. inductance	0.04 mH	Moving mass incl. air	0.90 g
Power 12dB@Hz	100W@1kHz	Net weight	1.2 kg
Effective cone area	14 cm <sup>2</sup>	Vas	-
V.C. diameter	38 mm	Qms	-
V.C. height	-	Qes	-
Air gap height	-	Qts	-



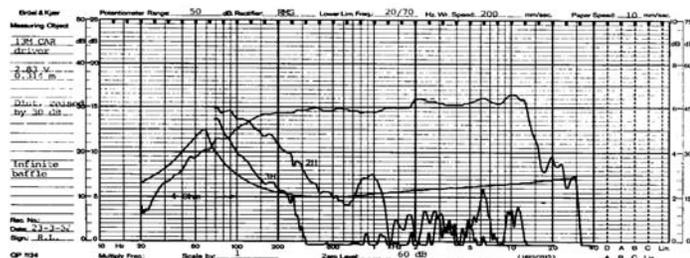
## 13M/4535 5" Car Full-range

The 13M/4535R is a compact full-range autosound driver. Paper cone, rubber surround, magnesium die cast frame and protective metal grill. This driver uses Scan-speak's ventilated magnet system with symmetric lathed pole piece and Symmetric Drive with copper cap, for lowest distortion and linear impedance. This driver offers good bass reproduction and flat response to 14 KHz.



### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	$\pm 2.5 / \pm 6$ mm
Free air resonance Fs	56 Hz	Air gap flux density	0.76T
DC resistance	3.0 ohm	Force factor BL Product	4.15Tm
V.C. inductance	0.13 mH	Moving mass incl. air	4.5 g
Power 12dB@Hz	35W Full range	Net weight	1.1 kg
Effective cone area	48 cm <sup>2</sup>	Vas	5 liters
V.C. diameter	38 mm	Qms	2.93
V.C. height	11 mm	Qes	0.28
Air gap height	6 mm	Qts	0.26



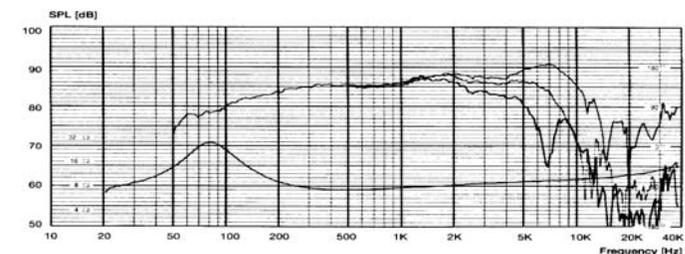
## 13M/8636

The 13M/8636 mid-range has extended frequency response and wide dispersion. The Symmetric Drive magnet system and Kevlar cone offer low distortion and good transient capability. The coated cone is joined to a PVC/rubber surround with the highest possible damping of resonance. A textile dome is used as a dust cap and is mounted over the voice coil former for optimal sound transformation through the entire moving system. The clarity, detailing and balance of the driver are outstanding.



### TECHNICAL DATA:

Characteristic sensitivity	86.5dB 1W/1m	Lin. & max. excursion	$\pm 1.5 / \pm 5$ mm
Free air resonance Fs	77 Hz	Force factor BL Product	6.0 Tm
DC resistance	5.8 ohm	Moving mass incl. air	4.6 g
V.C. inductance	0.1 mH	Net weight	1.2 kg
Power 12dB@Hz	100W@300	Vas	3 ltr
Effective cone area	48 cm <sup>2</sup>	Qms	2.80
V.C. diameter	38 mm	Qes	0.36
V.C. height	9 mm	Qts	0.32
Air gap height	6 mm		





### 13M/8640

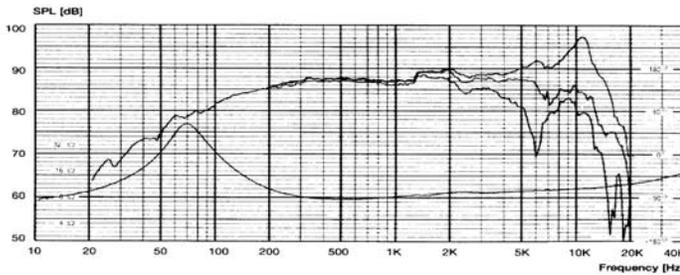
This midrange has a very low resonance frequency for its size and can be used in an extremely wide band width. It features a magnesium cast frame, paper cone and rubber surround. The magnet system uses the Scan-speak Symmetric Drive short circuiting system for less distortion and a linear impedance.

This driver has a rich full-bodied sound, detailed and clean, with a natural tonal balance. It's intended uses are high quality 3-way systems that require low crossover frequencies.



**TECHNICAL DATA:**

Characteristic sensitivity	87.5dB 1W/1m	Lin. & max. excursion	±1.5 / ±5 mm
Free air resonance Fs	64 Hz	Force factor BL Product	6.0 Tm
DC resistance	5.8 ohm	Moving mass incl. air	4.1 g
V.C. inductance	0.1 mH	Net weight	1.2 kg
Power	100W@300Hz	Vas	5 liters
Effective cone area	48 cm <sup>2</sup>	Qms	2.70
V.C. diameter	38.0 mm	Qes	0.27
V.C. height	9 mm	Qts	0.24
Air gap height	6 mm		



### 18S/8535

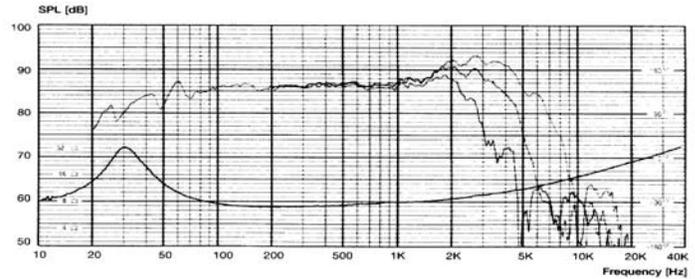
#### 7" Carbon/Paper Woofer

The 18S/8535 is a **SHIELDED** woofer designed with the SD-1 magnet system, which reduces clipping distortion generated as the drive unit exceeds its linear excursion. The carbon fibre filled paper cone is impregnated and coated to damp resonance normally associated with stiff cones. The low loss linear suspension, especially the rubber surround, combines dynamic linearity with low coloration. A 20 liter sealed enclosure yields an impressive 3dB down point of 45Hz.



**TECHNICAL DATA:**

Characteristic sensitivity	86.5dB 1W/1m	Lin. & max. excursion	±5 / ±10 mm
Free air resonance Fs	26 Hz	Force factor BL Product	5.6 Tm
DC resistance	5.8 ohm	Moving mass incl. air	15.5 g
V.C. inductance	0.3 mH	Net weight	2.5 kg
Power	70W	Vas	72 liters
Effective cone area	145 cm <sup>2</sup>	Qms	2.50
V.C. diameter	38 mm	Qes	0.47
V.C. height	15 mm	Qts	0.40
Air gap height	5 mm		



### 18W/8535

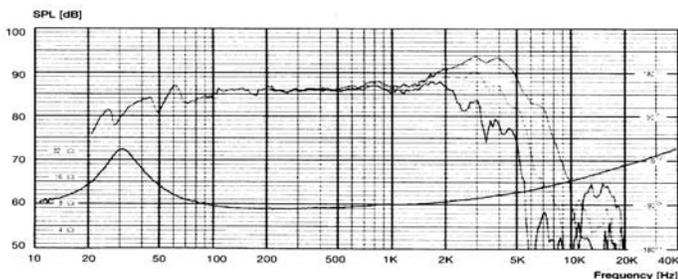
#### 7" Carbon/Paper Woofer

The 18W/8535 woofer features the SD-1 magnet system which almost eliminates modulation and dynamic distortion and reduce clipping when the drivers is taken beyond linear excursion. The carbon fiber filled paper cone is impregnated and coated to damp resonance. The low loss rubber surround combines dynamic linearity with low coloration. The smaller magnet increases the Qts making this driver a good choice for a sealed enclosure.



**TECHNICAL DATA:**

Characteristic sensitivity	86.5dB 1W/1m	Lin. & max. excursion	±5 / ±10 mm
Free air resonance Fs	26 Hz	Force factor BL Product	5.7 Tm
DC resistance	5.8 ohm	Moving mass incl. air	15.5 g
V.C. inductance	0.3 mH	Net weight	2.5 kg
Power	70W	Vas	72 liters
Effective cone area	145 cm <sup>2</sup>	Qms	2.50
V.C. diameter	38 mm	Qes	0.45
V.C. height	15 mm	Qts	0.38
Air gap height	5 mm		



### 18W/8545

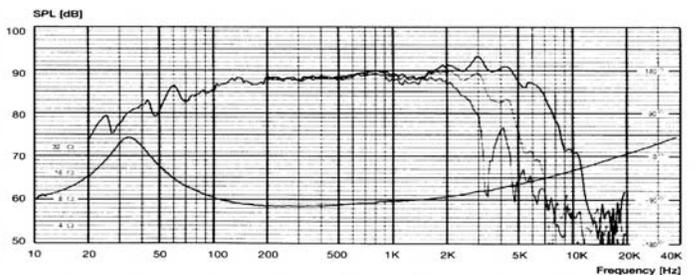
#### 7" Carbon fibre Paper Woofer

This 7" features the heavily damped and carbon fibre impregnated paper cone that dampens resonances normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear excursion. These designs all together make a drive unit with a very "open" sound with excellent detailing combined with low coloration and very precise imaging. Cast frame, rubber surround.



**TECHNICAL DATA:**

Characteristic sensitivity	88dB 1W/1m	Lin. & max. excursion	±6.5 / ±10mm
Free air resonance Fs	28 Hz	Force factor BL Product	8.0 Tm
DC resistance	5.5 ohm	Moving mass incl. air	20 g
V.C. inductance	0.4 mH	Net weight	2.3 kg
Power	100W	Vas	48 liters
Effective cone area	145 cm <sup>2</sup>	Qms	2.30
V.C. diameter	42 mm	Qes	0.30
V.C. height	19 mm	Qts	0.27
Air gap height	6 mm		





## 18W/8545K

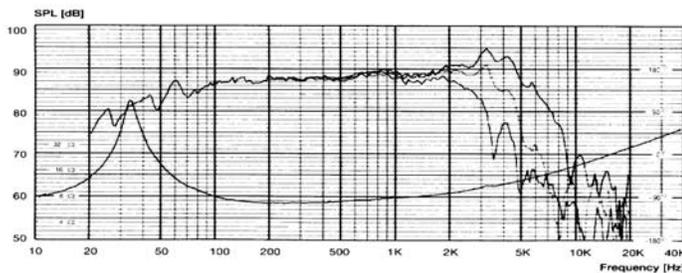
### 7" Carbon fibre Paper Woofer

This 7" features the heavily damped and carbon fibre impregnated paper cone that dampens resonances normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear excursion. The "K" version uses a non-conducting Kapton voice coil former, which improves the resolution in the bass/mid frequencies. This is also a good driver for autosound applications.



#### TECHNICAL DATA:

Characteristic sensitivity	87.5dB 1W/1m	Lin. & max. excursion	±6.5 / ±10mm
Free air resonance Fs	28 Hz	Force factor BL Product	8.2 Tm
DC resistance	5.5 ohm	Moving mass incl. air	20.5 g
V.C. inductance	0.4 mH	Net weight	2.4 kg
Power	100W	Vas	48 liters
Effective cone area	145 cm <sup>2</sup>	Qms	5.20
V.C. diameter	42 mm	Qes	0.30
V.C. height	19 mm	Qts	0.28
Air gap height	6 mm		



## 18W/8546

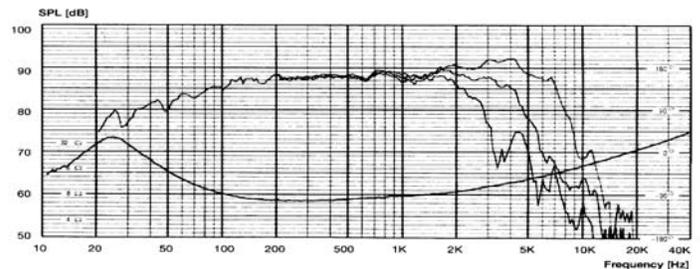
### 7" Kevlar Woofer

This new 7" Kevlar cone magnesium cast frame woofer features the new SD-1 magnet system, that eliminates modulation and dynamic distortion, as well as lowering clipping distortion caused when the driver exceeds its linear excursion. The new magnet system coupled with a new non resonant low loss linear suspension, gives you a drive unit with a very "open" sound with excellent dynamic range and detailing combined with low coloration and very precise imaging.



#### TECHNICAL DATA:

Characteristic sensitivity	88dB 1W/1m	Lin. & max. excursion	±6.5 / ±10 mm
Free air resonance Fs	22 Hz	Force factor BL Product	8.0 Tm
DC resistance	5.5 ohm	Moving mass incl. air	18.5 g
V.C. inductance	0.4 mH	Net weight	2.4 kg
Power	100W	Vas	84 liters
Effective cone area	145 cm <sup>2</sup>	Qms	1.70
V.C. diameter	42 mm	Qes	0.22
V.C. height	19 mm	Qts	0.19
Air gap height	6 mm		



## 21W/8554

### 8" Kevlar Woofer

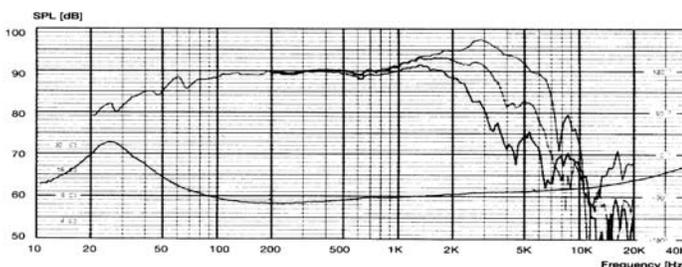
This 8" cast magnesium/Aluminum frame woofer features a hand coated cast Kevlar cone with a hand coated foam surround. The magnet system uses the patented SD copper cap and symmetrically shaped pole piece for lower distortion. The damped cone and surround offer a good balance between clarity and tonal balance.

This driver is fast and accurate even with the most demanding transients. A good choice for any high end system.



#### TECHNICAL DATA:

Characteristic sensitivity	90dB 1W/1m	Lin. & max. excursion	±6.5 / ±10 mm
Free air resonance Fs	23 Hz	Force factor BL Product	8.0 Tm
DC resistance	5.5 ohm	Moving mass incl. air	20.5 g
V.C. inductance	0.2 mH	Net weight	2.4 kg
Power	110W	Vas	160 liters
Effective cone area	220 cm <sup>2</sup>	Qms	1.70
V.C. diameter	42 mm	Qes	0.25
V.C. height	19 mm	Qts	0.22
Air gap height	6 mm		



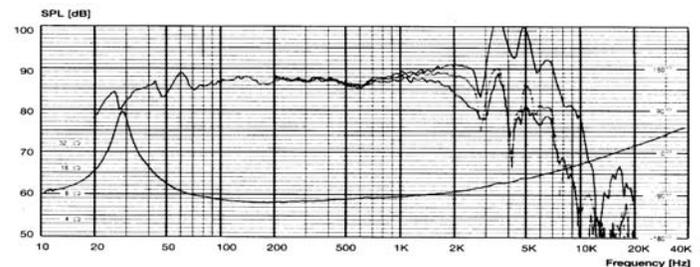
## 21W/8555 & 21W/8555-01

This 8" features a very stiff paper cone, heavily impregnated to reduce resonance's normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear excursion. The low-loss rubber surround is designed for better dynamic capability, detailing and less compression. Both the 21W/8555 and 21W/8555-01 will perform well either sealed or vented.



#### TECHNICAL DATA:

Sensitivity 1W/1m	87 / 87.5 dB	Lin. & max. excursion	±6.5 / ±12
Free air resonance Fs	20 / 19 Hz	mm	
DC resistance	5.5 Ω	BL	8.2 / 9.3Tm
V.C. inductance	0.4 / 0.6 mH	Moving mass incl. air	32 / 36 g
Power	100W	Net weight	2.40 kg
Effective cone area	220 cm <sup>2</sup>	Vas	136 ltr
V.C. diameter	42 mm	Qms	4.50 / 4.80
V.C. height	19 mm	Qes	0.33 / 0.27
Air gap height	6 mm	Qts	0.31 / 0.26





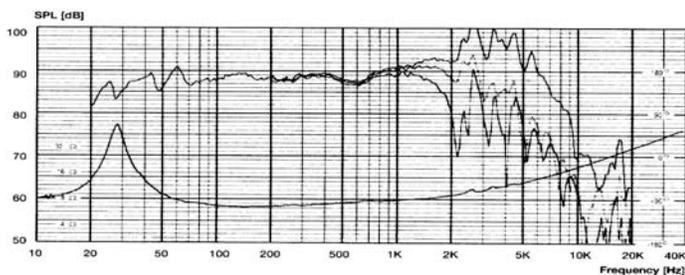
### 25W/8565 & 25W/8565-01

This 10" features a very stiff paper cone, heavily impregnated to reduce resonance's normally associated with stiff cones. The magnet system is the new SD-1 system which eliminates modulation and dynamic distortion, as well as clipping distortion created as it exceeds its maximum linear distortion. The low-loss rubber surround is designed for better dynamic capability, detailing and less compression. Both the 25W/8565 and 25W/8565-01 will perform well either sealed or vented systems of the highest quality.



#### TECHNICAL DATA:

Sensitivity 1W/1m	88 / 88 dB	Lin. & max. excursion	$\pm 6.5 / \pm 12$ mm
Free air resonance Fs	20 / 19 Hz	BL	8.2 / 9.3 Tm
DC resistance	5.5 $\Omega$	Moving mass incl. air	43 / 47 g
V.C. inductance	0.4 / 0.6 mH	Net weight	2.6 kg
Power	100W	Vas	229 ltr
Effective cone area	330 cm <sup>2</sup>	Qms	5.40 / 5.60
V.C. diameter	42 mm	Qes	0.44 / 0.36
V.C. height	19 mm	Qts	0.41 / 0.34
Air gap height	6 mm		



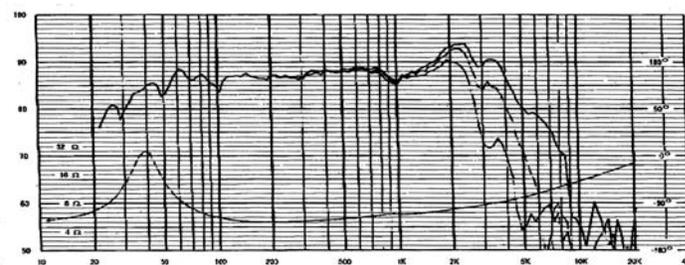
### 18W/5535A 4 $\Omega$ 7" Autosound Woofer

- Carbon-paper cone
- Cast frame, Rubber surround
- Frequency range 36-3500Hz
- Symmetric Drive magnet system for low distortion and linear impedance
- Copper shorting rings
- Frame diameter 177mm (6.97")
- Cut-out hole size 158mm (6.25")
- Depth 76mm (3")



#### TECHNICAL DATA:

Sensitivity 2.83V/1m	87.7dB	Linear excursion	$\pm 5.5$ mm
Free air resonance Fs	35.5 Hz	Air gap flux density	1.08
DC resistance	4.0 $\Omega$	BL	5.7 Tm
V.C. inductance	0.36 mH	Moving mass incl. air	19.0 g
Power	100W	Net weight	2.4 kg
Effective cone area	150 cm <sup>2</sup>	Vas	34 ltrs
V.C. diameter	38 mm	Qms	3.3
V.C. height	16	Qes	0.52
Air gap height	5	Qts	0.45



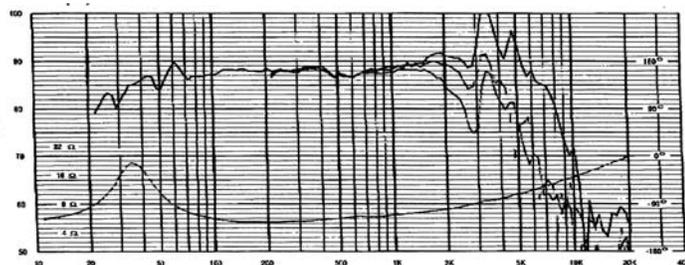
### 21W/5555A 4 $\Omega$ 8" Autosound Woofer

- Hard-paper cone
- Cast frame, Rubber surround
- Frequency range 26-500Hz
- Symmetric Drive magnet system for low distortion and linear impedance
- Copper shorting rings
- Frame diameter 222mm (8.74")
- Cut-out hole size 192mm (7.56")
- Depth 90mm (3.54")



#### TECHNICAL DATA:

Sensitivity 2.83V/1m	88.0 dB	Linear excursion	$\pm 8.0$ mm
Free air resonance Fs	26 Hz	Air gap flux density	1.23
DC resistance	3.9 $\Omega$	BL	6.7 Tm
V.C. inductance	0.39 mH	Moving mass incl. air	31.0 g
Power	100W	Net weight	2.5 kg
Effective cone area	232 cm <sup>2</sup>	Vas	92 ltrs
V.C. diameter	42 mm	Qms	1.9
V.C. height	22	Qes	0.44
Air gap height	6	Qts	0.36



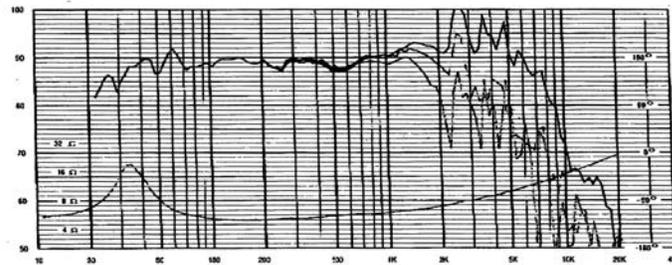
### 25W/5565A 4 $\Omega$ 10" Autosound Woofer

- Hard-paper cone
- Cast frame, Rubber surround
- Frequency range 24-500Hz
- Symmetric Drive magnet system for low distortion and linear impedance
- Copper shorting rings
- Frame diameter 255mm (10")
- Cut-out hole size 228mm (8.98")
- Depth 94mm (3.7")



#### TECHNICAL DATA:

Sensitivity 2.83V/1m	89 dB	Linear excursion	$\pm 8.0$ mm
Free air resonance Fs	23.5 Hz	Air gap flux density	1.23
DC resistance	3.9 ohm	Force factor BL Product	6.7 Tm
V.C. inductance	0.39 mH	Moving mass incl. air	40 g
Power 12dB@Hz	100W	Net weight	2.6 kg
Effective cone area	333 cm <sup>2</sup>	Vas	180 ltrs
V.C. diameter	42 mm	Qms	2.0
V.C. height	22	Qes	0.51
Air gap height	6	Qts	0.41





### Morel Tweeters

Model	Imp. $\Omega$	Fs Hz	Nom. Power	dB 2.83V/m	Price Each
<b>SUPREME 110</b> High Performance 28mm dome tweeter	8	680	220	91.5	\$253.00pr
<b>SUPREME 130</b> High Performance 28mm dome tweeter	8	680	220	91.5	\$335.00pr
<b>MDT10</b> 28mm dome tweeter, Solin Range	8	1000	80	90	\$23.15
<b>MDT12</b> 28mm dome tweeter w/ Neodymium magnet, 2.13" sq, 0.6" deep	8	1000	80	89	\$23.15
<b>MDT20</b> 28mm dome tweeter	8	650	120	90	\$25.05
<b>MDT22</b> 28mm dome tweeter w/ chamber and neodymium magnet	8	650	80	89	\$25.05
<b>MDT29</b> 28mm dome tweeter	8	900	80	89	\$35.50
<b>MDT30S</b> 28mm dome tweeter	8	700	200	90	\$51.70
<b>DMS30-S</b> Shielded version of MDT30	8	700	200	90	\$58.40
<b>MDT32S</b> 28mm dome tweeter with 110mm flange	8	700	200	90	\$55.00
<b>MDT33</b> 28mm dome tweeter, double magnet, matched pairs available	8	700	200	92.5	\$112.25
<b>MDT37</b> 28mm horn loaded dome tweeter	8	700	200	93	\$49.00
<b>MDT38</b> 28mm dome tweeter, Top-mount	8	750	80	89	\$39.65
<b>MDT39</b> 28mm dome tweeter, chambered	8	750	80	88	\$39.65
<b>MDT40</b> 28mm dome tweeter, Neodymium magnet, Surface Mount tweeter.	8	750	120	89	\$54.40
<b>MDT41</b> 28mm dome tweeter, Neodymium magnet, Top mount tweeter	8	750	120	90	\$54.40
<b>MDT43</b> 28mm dome tweeter, Top mount, Double Neodymium magnet	8	750	120	92	\$73.65
<b>MDT44</b> 28mm dome tweeter, Double Neodymium magnet	8	750	120	91	\$73.65
<b>R-29</b> Voice Coil for MDT29					\$9.80
<b>R-30</b> Voice Coil for MDT30S					\$13.85
<b>R-32/33</b> Voice Coil for MDT32S & MDT33					\$14.85
<b>R-37</b> Voice Coil for MDT37					\$14.85
<b>R-39</b> Voice Coil for MDT39					\$9.80
<b>R-40</b> Voice Coil for MDT40					\$13.85
<b>R-44</b> Voice Coil for MDT44					\$14.85

### Midranges

Model	Imp. $\Omega$	Fs Hz	Qts	Vas liters	Nom. Power	Efficiency 2.83V/1m	Box Liters Sealed/Vented	F3 Hz	Price Each
<b>MDM55</b> 55mm dome midrange with 54mm VC and Neodymium magnet	8	380	-	-	200	90.5			\$65.30

### Classic Woofers

<b>MW113</b> 4" Poly cone woofer	8	72	.75	4.3	150	87	10S	70	\$63.90
<b>MW114-S</b> 4" Poly cone, Neo. magnet	4 or 8	69	.35	2.7	150	87	1.2V / 1S	87/135	\$92.60
<b>MW144</b> 5" Poly cone woofer	4 or 8	45	.36	12.3	150	88	8V / 5S	54/88	\$71.40
<b>MW164</b> 6" Doped Paper cone woofer	4 or 8	48	.55	14.3	150	86	20 S	62	\$81.05
<b>MW166</b> 6" Poly cone woofer	4 or 8	48	.61	14.3	150	86	15 S	64	\$81.05
<b>MW168</b> 6" Poly cone woofer, low Q	4 or 8	44	.41	16	150	88	14V / 8S	44 / 77	\$81.05
<b>MW265</b> 8" Poly cone woofer, low Q	4 or 8	30	.44	88.6	150	90	75V / 56S	30 / 48	\$87.80
<b>MW266</b> 8" Doped Paper cone woofer	4 or 8	29	.56	80	150	89	56- 00 S	38-3	\$87.80
<b>MW1075</b> 10" Poly cone woofer	8	28	.44	155	200	90	90S	35	\$108.90

### Neolin Woofers - Neodymium Magnet System

<b>MW143</b> 5" Poly cone woofer	8	47	.26	14	150	89	3V/2S	92/130	\$124.50
<b>MW167</b> 6" Poly cone woofer	8	44	.35	19	150	88	10V/S	55/88	\$133.45
<b>MW267</b> 8" Pole cone woofer	8	25	.33	113	180	89	52V/33S	34/53	\$140.20
<b>MW1077</b> 10" Poly cone woofer	8	28	.44	155	200	90	190V/95S	25/45	\$160.30

### Hybrid Woofers - Neodymium & Ferrite Magnet System

<b>H5.1</b> 5" Poly cone bass/midrange	8	43	.36	22	150	88	14V/9S	52/80	\$69.40
<b>H5.2</b> 5" Paper cone bass/midrange	8	43	.36	22	150	88	14V/9S	52/80	\$69.40
<b>H6.1</b> 6" Poly cone woofer	8	40	.32	30	150	91	14V/7S	55/95	\$80.05
<b>H8.1</b> 8" Poly cone woofer	8	32	.29	65	180	90	29V/14S	45/75	\$112.10
<b>H10.1</b> 10" Poly cone woofer	8	25	.35	191	200	90.5	95V/60S	33/51	\$130.75

## Supreme 110

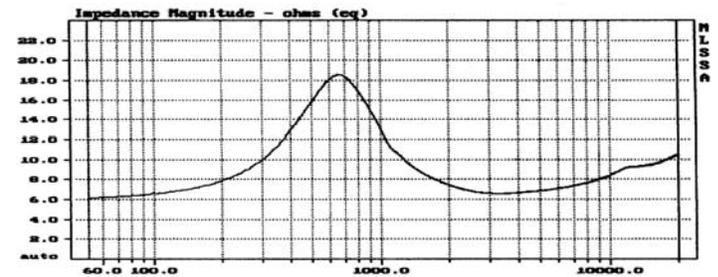
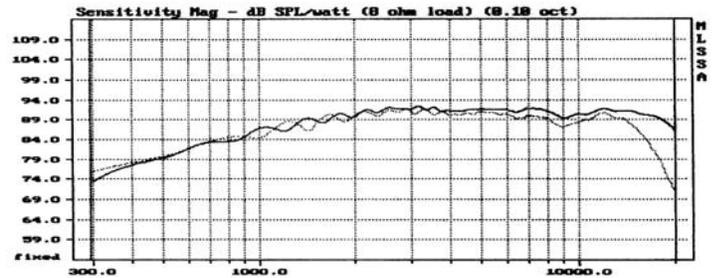


## Supreme 130



SPECIFICATIONS: Supreme 110 & Supreme 130		
Overall Dimensions		110 (110mm), 130 (130mm)
Nominal Power Handling	P	220W 12dB@2200Hz 120W 6dB @2200Hz
Transient Power - 10ms		1000W
Nominal Impedance	Z	8
Sensitivity (2.83V@1M)		92.5dB
Frequency Response		1600 - 22,000Hz
Resonant Frequency	Fs	680Hz
Voice Coil Diameter	Ø	28mm (1.1")
Voice Coil Height		2.7mm (0.106")
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech Aluminum
Number Layers		2
DC Resistance	Re	5.2
Voice Coil Inductance	LBM	0.09mH @ 1KHz
Magnet System Type		Neodymium flat pancake
Magnetic Gap Height	He	4.2mm (0.16")
Dome Material		Acuflex Coated Textile
Net Weight	Kg	0.52 Kg.

Innovative engineering and an advanced approach to acoustic construction makes **SUPREME** a superior high performance tweeter. With an acoustic construction based on the *underhung voice coil* configuration method, **SUPREME**'s voice coil moves in a significantly higher magnetic field and *fully remains* there at all times during operation. As a result, **SUPREME** provides a *linear excursion of the coil in the magnetic field*; *eliminates intermodulation distortion created by non-linear excursion*; *eliminates sound compression at high levels*; and *considerably improves low frequency reproduction*

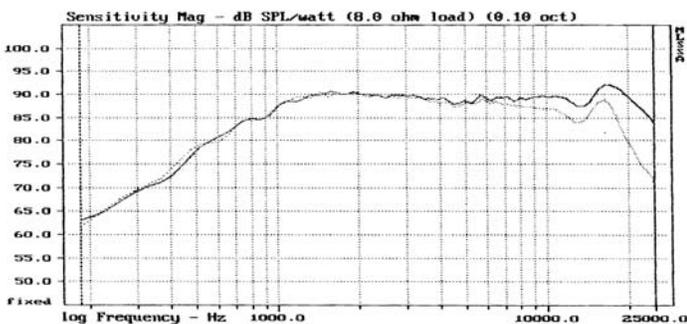


## MDT10 Tweeter



- 1" textile dome tweeter
- Ferrofluid cooled
- Replaceable voice coil
- Injected polymer face-plate
- Gold-plated terminals
- Flange 104mm (4.09")
- Cut-out 73mm (2.87")
- Depth 25mm (0.98")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	1000 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.47 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.65 kg

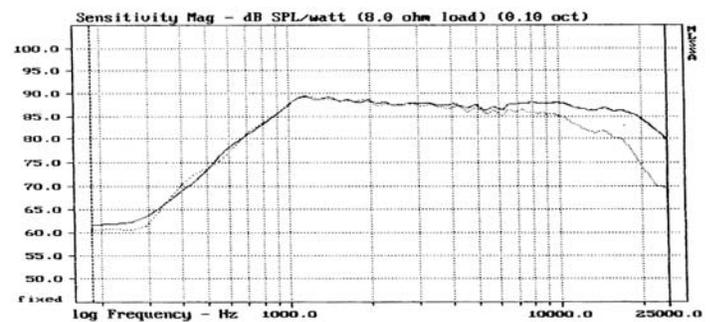


## MDT12 Tweeter



- 1" textile dome tweeter
- Ferrofluid cooled
- Neodymium magnet
- Replaceable voice coil
- Magnetically shielded
- Gold-plated terminals
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 15.5mm (0.61")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	2.8 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	1000 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89 dB
Mms	0.47 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.08 kg

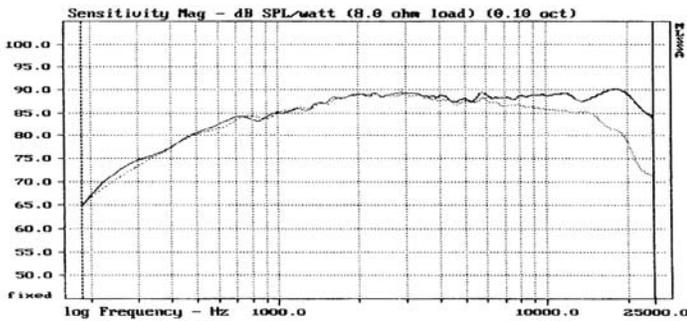


## MDT20 Tweeter



- 1" textile dome tweeter
- Rear chamber
- Replaceable voice coil
- Ferrofluid cooled
- Polymer face-plate
- Low Fs
- Gold plated terminals
- Flange 104mm (4.09")
- Cut-out 73mm (2.87")
- Depth 43mm (1.69")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.5 g	Nom. Power DIN	120 W
Cms	- mm/N	Net weight	0.55 kg

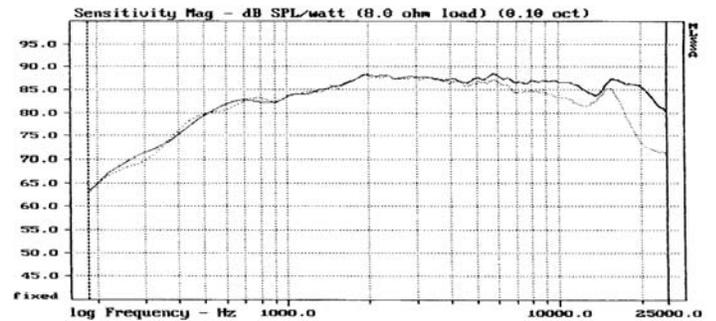


## MDT22 Tweeter



- 1" textile dome tweeter
- Neodymium magnet
- Magnetically shielded
- Rear chamber
- Ferrofluid cooled
- Gold-plated terminals
- Replaceable voice coils
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	2.8 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	0.89	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89 dB
Mms	0.47 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.09 kg

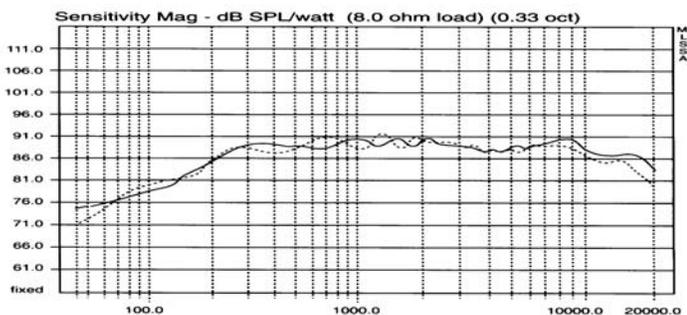


## MDT29 Tweeter



- 1" textile dome tweeter
- Ferrofluid cooled
- Replaceable voice coil
- Aluminum face-plate
- Hand treated dome
- Gold-plated terminals
- Flange 94mm (3.7")
- Cut-out 78mm (2.83")
- Depth 27mm (1.06")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.3 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	900 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89 dB
Mms	0.5 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.54 kg

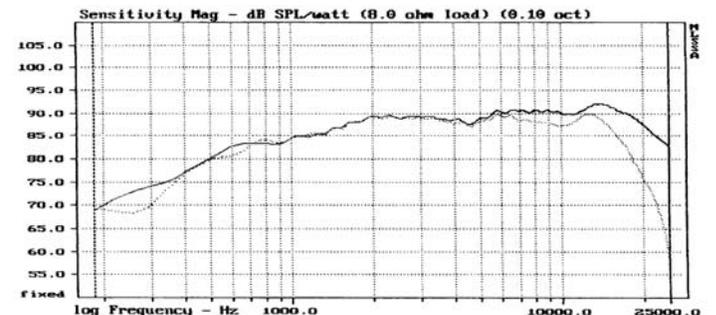


## MDT30S Tweeter



- 1" textile dome tweeter
- Hand coated dome
- Ferrofluid cooled
- Replaceable voice coils
- Aluminum face-plate
- Gold-plated terminals
- Rear chamber
- Flange 94mm (3.7")
- Cut-out Ø 73mm (2.87")
- Depth 43mm (1.69")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.09 mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.44 g	Nom. Power DIN	200 W
Cms	- mm/N	Net weight	0.56 kg



## MDT32S Tweeter



- 1" textile dome tweeter
- Hand coated dome
- Ferrofluid cooled
- Replaceable voice coils
- Aluminum face-plate
- Gold-plated terminals
- Rear chamber
- Flange 110mm (4.33")
- Cut-out Ø 73mm (2.87")
- Depth 43mm (1.69")

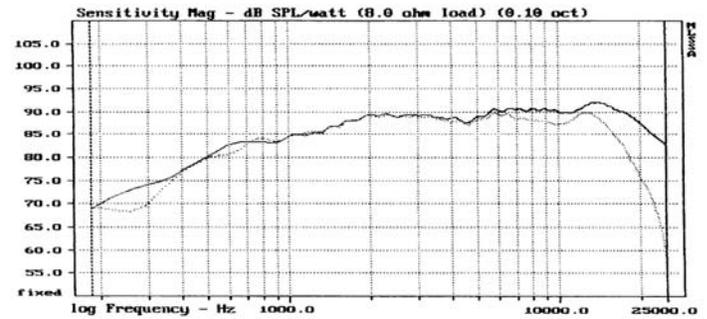
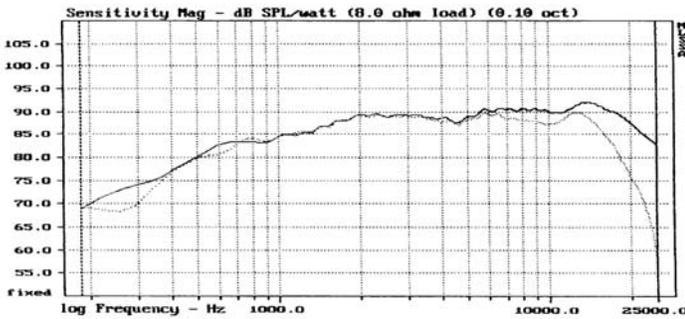
Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.09 mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.44 g	Nom. Power DIN 200	W
Cms	- mm/N	Net weight	0.56 kg

## DMS30S Tweeter



- 1" textile dome tweeter
- Hand coated dome
- Ferrofluid cooled
- Replaceable voice coil
- Gold-plated terminals
- Magnetically shielded
- Rear chamber
- Flange 94mm (3.7")
- Cut-out 73mm (2.87")
- Depth 43mm (1.69")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.44 g	Nom. Power DIN 200	W
Cms	- mm/N	Net weight	0.66 kg



## MDT33 Tweeter



- 1" treated textile dome
- Triple magnet system
- Hexatech voice coil
- Aluminum face-plate
- Ferrofluid cooling
- Rear chamber
- Replaceable voice coil
- Flange 110mm (4.33")
- Cut-out 74mm (2.91")
- Depth 63mm (2.48")

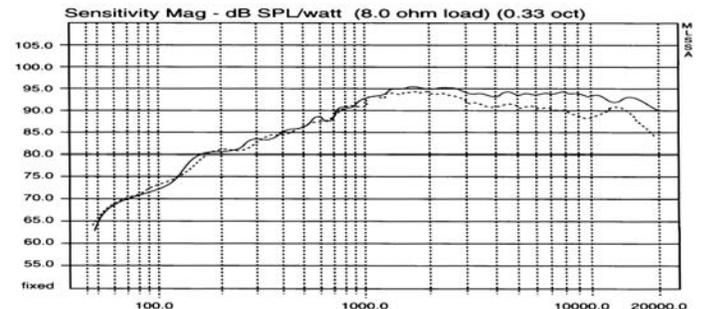
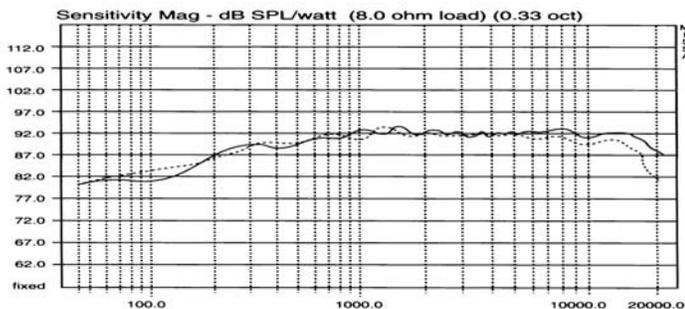
Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	6.3 N/A
Le@1kHz	0.09 mH	Vas	- ltrs
fs	700 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	92.5 dB
Mms	0.44 g	Nom. Power DIN 200	W
Cms	- mm/N	Net weight	1.2 kg

## MDT37 Tweeter



- 1" textile dome tweeter
- Horn loaded face-plate
- Hexatech voice coil
- Ferrofluid cooled
- Replaceable voice coil
- Gold-plated terminals
- High efficiency
- Flange 94mm (3.7")
- Cut-out 72mm (2.83")
- Depth 54mm (2.28")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	3.5 N/A
Le@1kHz	0.09 mH	Vas	- ltrs
fs	700 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	93 dB
Mms	0.44 g	Nom. Power DIN 200	W
Cms	- mm/N	Net weight	0.56 kg

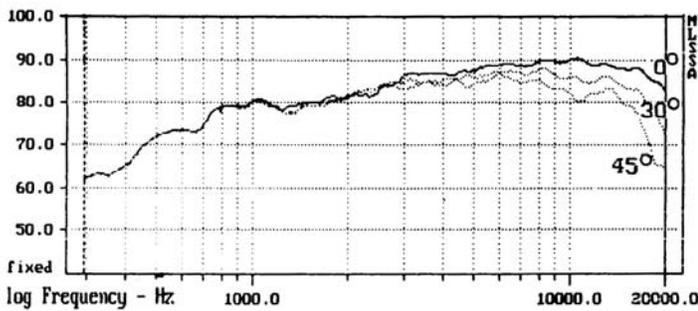


## MDT38 Tweeter



- 1" textile dome tweeter
- Top-Mount design
- Neodymium magnet
- Magnetically shielded
- Rear chamber
- Protective grill
- Ferrofluid cooled
- Flange 44mm (1.73")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	7.0 cm <sup>2</sup>
Re	5.2 ohm	BL	2.6 N/A
Le@1kHz	0.06 mH	Vas	- ltrs
fs	750 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89 dB
Mms	0.46 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.09 kg

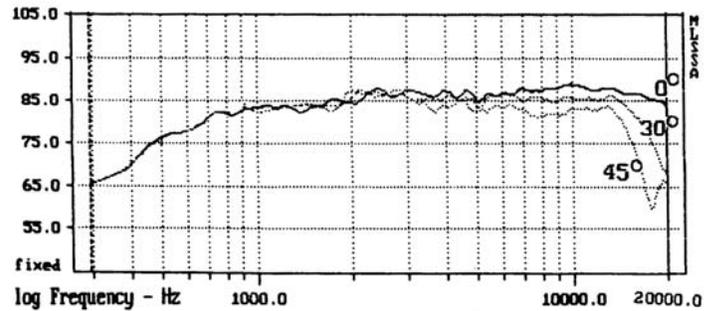


## MDT39 Tweeter



- 1" textile dome tweeter
- Compact size
- Neodymium magnet
- Rear chamber
- Ferrofluid cooled
- Magnetically shielded
- Smooth response
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8 ohm	Sd	7.0 cm <sup>2</sup>
Re	5.2 ohm	BL	2.6 N/A
Le@1kHz	0.06 mH	Vas	- ltrs
fs	750 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	88 dB
Mms	0.46 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	0.09 kg

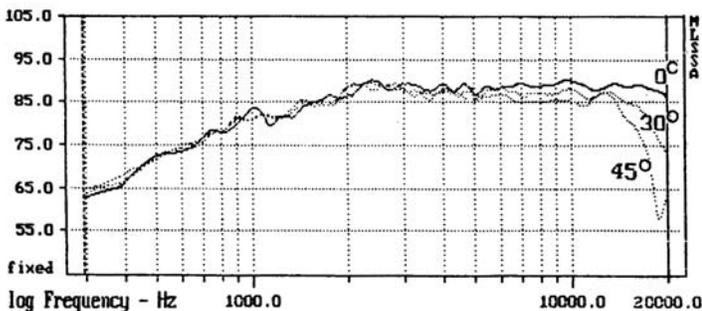


## MDT40 Tweeter



- 1" textile dome tweeter
- Hexatech voice coil
- Neodymium magnet
- Rear chamber
- Replaceable voice coil
- Ferrofluid cooled
- Magnetically shielded
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8 ohm	Sd	7.0 cm <sup>2</sup>
Re	5.2 ohm	BL	2.9 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	750 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	89 dB
Mms	0.46 g	Nom. Power DIN	120 W
Cms	- mm/N	Net weight	0.09 kg

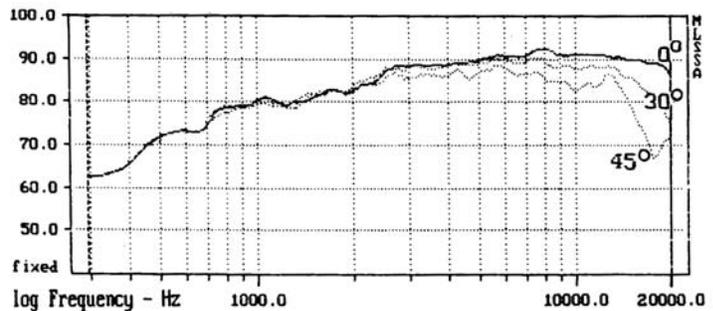


## MDT41 Tweeter



- 1" textile dome tweeter
- Top-mount design
- Hexatech voice coil
- Neodymium magnet
- Magnetically shielded
- Rear chamber
- Ferrofluid cooled
- Flange 44mm (1.73")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	6.0 cm <sup>2</sup>
Re	5.2 ohm	BL	2.9 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	750 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	0.46 g	Nom. Power DIN	120 W
Cms	- mm/N	Net weight	0.09 kg

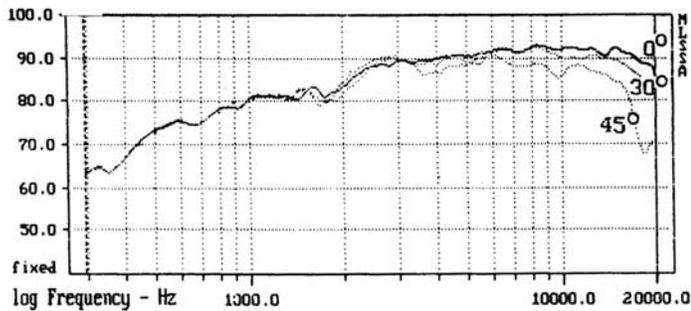


## MDT43 Tweeter



- 1" textile dome tweeter
- Top-Mount design
- Double neodymium magnet - Shielded
- Rear chamber
- Ferrofluid cooled
- Hexatech voice coil
- Flange 44mm (1.73")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	7.0 cm <sup>2</sup>
Re	5.2 ohm	BL	4.3 N/A
Le@1kHz	0.06 mH	Vas	- ltrs
fs	750 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	92 dB
Mms	0.46 g	Nom. Power DIN 120	W
Cms	- mm/N	Net weight	0.09 kg

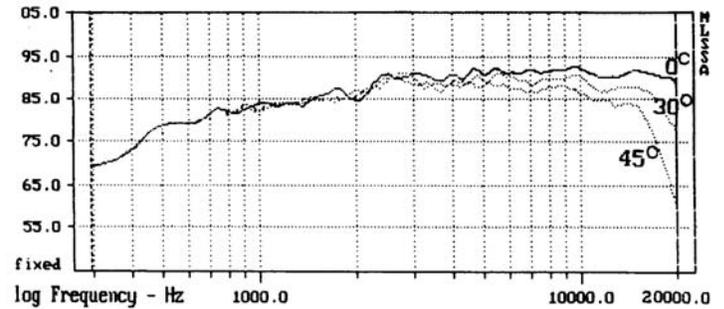


## MDT44 Tweeter



- 1" textile dome tweeter
- Hexatech voice coil
- Double neodymium magnet - Shielded
- Rear chamber
- Replaceable voice coil
- Ferrofluid cooled
- Flange 54mm sq (2.13")
- Cut-out 44mm Ø (1.73")
- Depth 55mm (2.17")

Znom	8 ohm	Sd	7.0 cm <sup>2</sup>
Re	5.1 ohm	BL	4.3 N/A
Le@1kHz	0.05 mH	Vas	- ltrs
fs	750 Hz	Xmax	- mm peak
Qms	-	VC Ø	28 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	91 dB
Mms	0.46 g	Nom. Power DIN 120	W
Cms	- mm/N	Net weight	0.09 kg

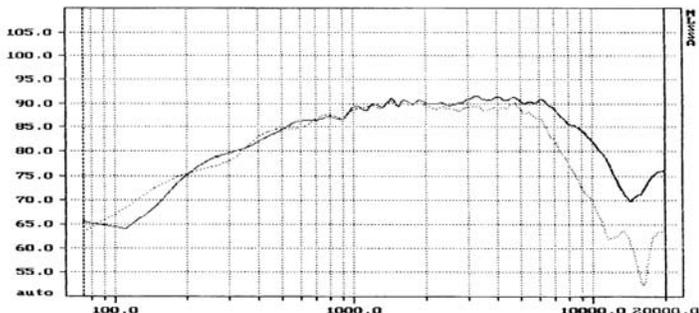


## MDM55 Midrange



- 2" textile dome midrange
- Neodymium magnet
- Rear chamber
- Magnetically shielded
- Gold-plated terminals
- Hexatech voice coil
- Flange 87mm sq (3.43")
- Cut-out 75mm Ø (2.95")
- Depth 82mm (3.23")

Znom	8 ohm	Sd	28.0 cm <sup>2</sup>
Re	6.3 ohm	BL	5.2 N/A
Le@1kHz	0.19 mH	Vas	- ltrs
fs	380 Hz	Xmax	1.0 mm peak
Qms	-	VC Ø	54 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90.5 dB
Mms	2.2 g	Nom. Power DIN 200	W
Cms	- mm/N	Net weight	0.3 kg

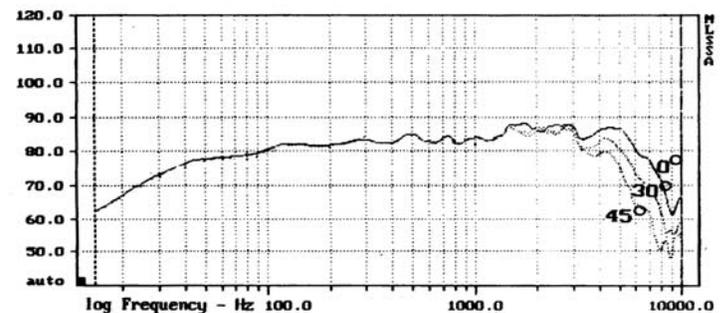


## MW113 4" Woofer



- 4" Damped Polymer Composite cone
- 54mm Hexatech voice coil
- Rubber surround
- Triple magnet system
- Magnetically shielded
- Flange 118mm (4.64")
- Cut-out 95mm (3.75")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	53.0 cm <sup>2</sup>
Re	6.2 ohm	BL	3.98 N/A
Le@1kHz	0.25 mH	Vas	4.3 ltrs
fs	72 Hz	Xmax	3.0 mm peak
Qms	3.13	VC Ø	54 mm
Qes	1.03	Sensitivity	
Qts	0.75	1W / 1m	87 dB
Mms	5.54 g	Nom. Power DIN 150	W
Cms	0.84 mm/N	Net weight	0.5 kg

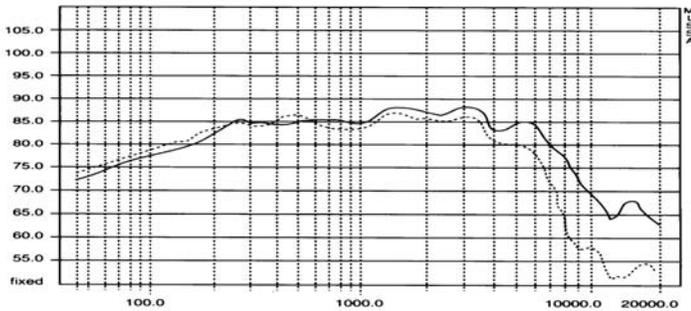


## MW114-S 4" Woofer



- 4" Damped Polymer Composite cone
- Neodymium magnet
- Hexatech voice coil
- Shielded magnet
- Rubber surround
- Small & powerful
- Flange 118mm (4.64")
- Cut-out 94mm (3.7")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	53.0 cm <sup>2</sup>
Re	5.6 ohm	BL	6.57 N/A
Le@1kHz	0.36 mH	Vas	2.72 ltrs
fs	69 Hz	Xmax	3.0 mm peak
Qms	2.34	VC Ø	54 mm
Qes	0.42	Sensitivity	
Qts	0.35	1W / 1m	87 dB
Mms	7.4 g	Nom. Power DIN 150	W
Cms	0.69 mm/N	Net weight	0.5 kg

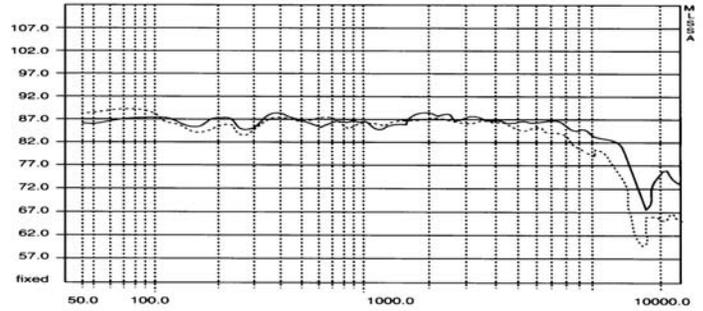


## MW144 5" Woofer



- 5" Damped Polymer Composite cone
- Double magnet
- Hexatech voice coil
- Vented magnet system
- Rubber surround
- Low magnetic field
- Flange 142mm (5")
- Cut-out 118mm (4.65")
- Depth 52mm (2.04")

Znom	8 ohm	Sd	90.0 cm <sup>2</sup>
Re	5.2 ohm	BL	6.2 N/A
Le@1kHz	0.32 mH	Vas	12.34 ltrs
fs	45 Hz	Xmax	3.5 mm peak
Qms	1.71	VC Ø	75 mm
Qes	0.46	Sensitivity	
Qts	0.36	1W / 1m	88 dB
Mms	11.4 g	Nom. Power DIN 150	W
Cms	1.09 mm/N	Net weight	1.0 kg

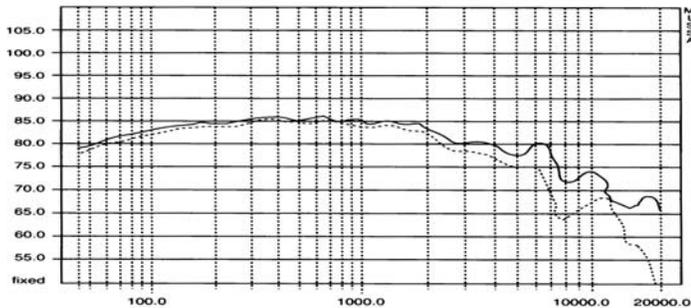


## MW164 6" Woofer



- 6" Polymer coated paper cone
- Double magnet
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Ventilated spider
- Flange 160mm (6.3")
- Cut-out 136mm (5.4")
- Depth 67mm (2.63")

Znom	8 ohm	Sd	119.0 cm <sup>2</sup>
Re	6.3 ohm	BL	6.57 N/A
Le@1kHz	0.66 mH	Vas	14.34 ltrs
fs	48 Hz	Xmax	4.25 mm peak
Qms	2.55	VC Ø	75 mm
Qes	0.70	Sensitivity	
Qts	0.55	1W / 1m	86 dB
Mms	14.9 g	Nom. Power DIN 150	W
Cms	0.69 mm/N	Net weight	1.1 kg

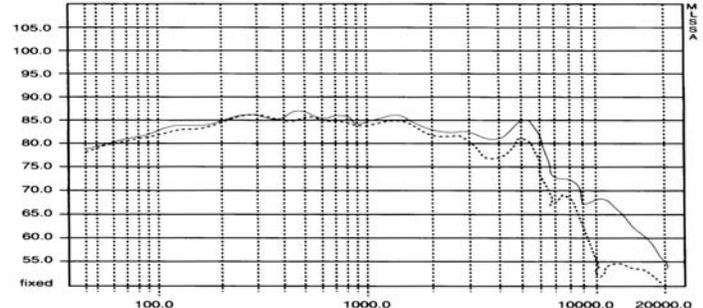


## MW166 6" Woofer



- 6" Damped polymer composite cone
- Double magnet
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Ventilated spider
- Flange 160mm (6.3")
- Cut-out 136mm (5.4")
- Depth 67mm (2.63")

Znom	8 ohm	Sd	119.0 cm <sup>2</sup>
Re	6.3 ohm	BL	6.84 N/A
Le@1kHz	0.61 mH	Vas	14.34 ltrs
fs	46 Hz	Xmax	4.25 mm peak
Qms	2.49	VC Ø	75 mm
Qes	0.64	Sensitivity	
Qts	0.61	1W / 1m	86 dB
Mms	16.3 g	Nom. Power DIN 150	W
Cms	0.72 mm/N	Net weight	1.1 kg

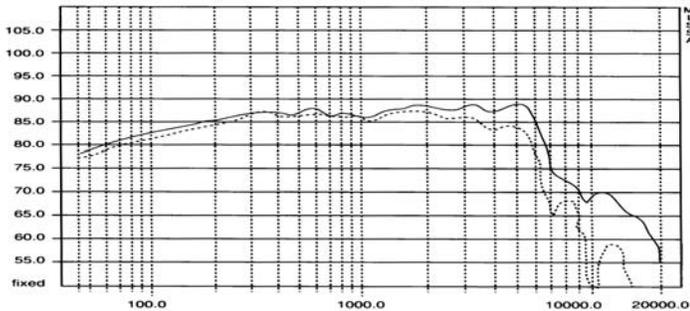


## MW168 6" Woofer



- 6" Damped polymer composite cone
- Double magnet
- Hexatech voice coil
- Rubber surround
- Low magnetic field
- Ventilated spider
- Flange 160mm (6.3")
- Cut-out 136mm (5.4")
- Depth 58mm (2.28")

Znom	8 ohm	Sd	119.0 cm <sup>2</sup>
Re	5.2 ohm	BL	6.55 N/A
Le@1kHz	0.51 mH	Vas	16.0 ltrs
fs	44 Hz	Xmax	3.5 mm peak
Qms	2.09	VC Ø	75 mm
Qes	0.50	Sensitivity	
Qts	0.41	1W / 1m	88 dB
Mms	14.0 g	Nom. Power DIN 150	W
Cms	0.80 mm/N	Net weight	0.80 kg

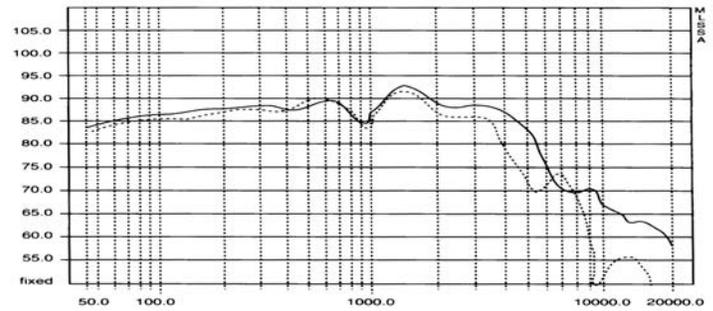


## MW265 8" Woofer



- 8" Damped polymer composite cone
- Rubber surround
- Hexatech voice coil
- Double magnet
- Shallow profile
- Low magnetic field
- Flange 222mm (8.75")
- Cut-out 195mm (7.68")
- Depth 69mm (2.7")

Znom	8 ohm	Sd	219.0 cm <sup>2</sup>
Re	5.2 ohm	BL	6.3 N/A
Le@1kHz	0.58 mH	Vas	88.6 ltrs
fs	30 Hz	Xmax	3.5 mm peak
Qms	2.16	VC Ø	75 mm
Qes	0.55	Sensitivity	
Qts	0.44	1W / 1m	90 dB
Mms	23.0 g	Nom. Power DIN 150	W
Cms	1.32 mm/N	Net weight	1.2 kg

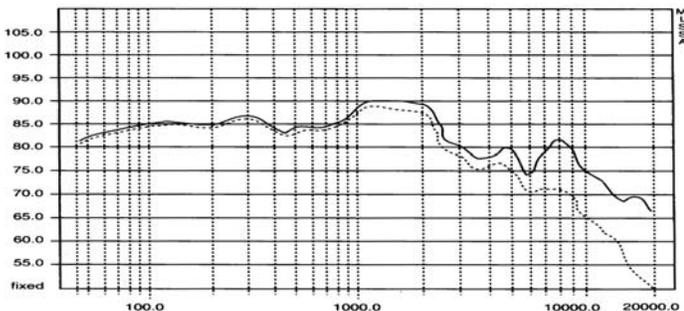


## MW266 8" Woofer



- 8" Polymer coated paper cone
- Rubber surround
- Hexatech voice coil
- Double magnet
- Shallow profile
- Low magnetic field
- Flange 222mm (8.75")
- Cut-out 195mm (7.68")
- Depth 69mm (2.7")

Znom	8 ohm	Sd	219.0 cm <sup>2</sup>
Re	6.3 ohm	BL	6.25 N/A
Le@1kHz	0.54 mH	Vas	80 ltrs
fs	29 Hz	Xmax	4.25 mm peak
Qms	2.45	VC Ø	75 mm
Qes	0.73	Sensitivity	
Qts	0.56	1W / 1m	89 dB
Mms	24.9 g	Nom. Power DIN 150	W
Cms	1.19 mm/N	Net weight	1.2 kg

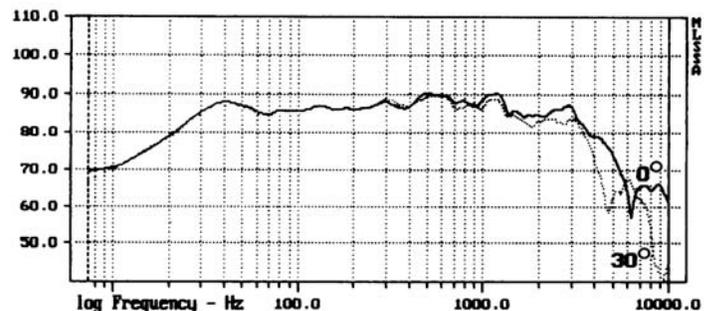


## MW1075 10" Woofer



- 10" Damped polymer composite cone
- Polymer treated foam surround
- Double magnet
- Low magnetic field
- Hexatech voice coil
- Flange 263mm (10.35")
- Cut-out 230mm (9.06")
- Depth 80mm (3.13")

Znom	8 ohm	Sd	324.0 cm <sup>2</sup>
Re	6.3 ohm	BL	6.3 N/A
Le@1kHz	0.63 mH	Vas	123 ltrs
fs	29 Hz	Xmax	4.25 mm peak
Qms	2.48	VC Ø	75 mm
Qes	0.83	Sensitivity	
Qts	0.62	1W / 1m	89 dB
Mms	32.6 g	Nom. Power DIN 180	W
Cms	0.84 mm/N	Net weight	1.34 kg



## MW143 5" NeoLin



- 5" Damped polymer cone woofer
- High flux neodymium magnet system
- Hexatech voice coil
- Copper lining of VC gap for flatter inductance
- Flange 142mm (5.5")
- Cut-out 118mm (4.65")
- Depth 52mm (2")

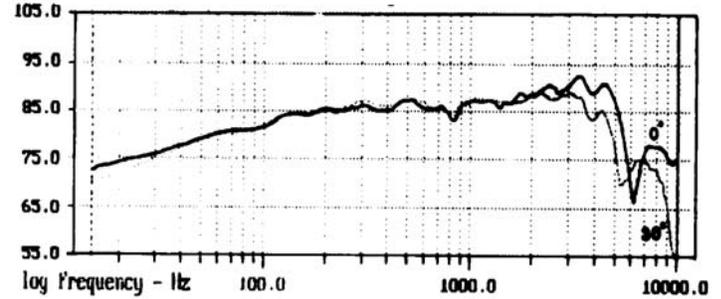
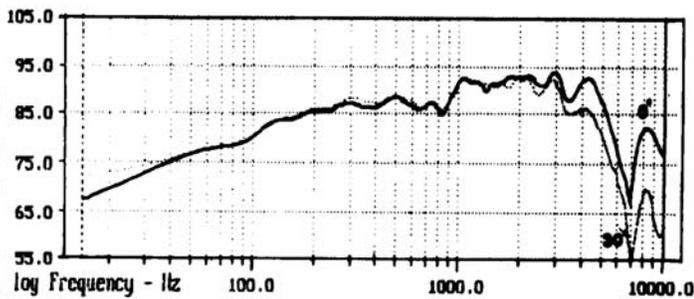
Znom	8 ohm	Sd	90.0 cm <sup>2</sup>
Re	5.3 ohm	BL	7.2 N/A
Le@1kHz	0.11 mH	Vas	14 ltrs
fs	47 Hz	Xmax	3.5 mm peak
Qms	1.48	VC Ø	75 mm
Qes	0.31	Sensitivity	
Qts	0.26	1W / 1m	89 dB
Mms	9.4 g	Nom. Power DIN 150	W
Cms	1.23 mm/N	Net weight	0.95 kg

## MW167 6" NeoLin



- 6" Damped polymer cone woofer
- High flux neodymium magnet system
- Hexatech voice coil
- Copper lining of VC gap for flatter inductance
- Flange 160mm (6.3")
- Cut-out 136mm (5.35")
- Depth 65mm (2.55")

Znom	8 ohm	Sd	119.0 cm <sup>2</sup>
Re	6.6 ohm	BL	7.8 N/A
Le@1kHz	0.08 mH	Vas	18.8 ltrs
fs	44 Hz	Xmax	4.25 mm peak
Qms	1.99	VC Ø	75 mm
Qes	0.43	Sensitivity	
Qts	0.35	1W / 1m	88 dB
Mms	14.0 g	Nom. Power DIN 150	W
Cms	0.95 mm/N	Net weight	1.1 kg



## MW267 8" NeoLin



- 8" Damped polymer cone woofer
- High flux neodymium magnet system
- Hexatech voice coil
- Copper lining of VC gap for flatter inductance
- Flange 222mm (8.75")
- Cut-out 195mm (7.68")
- Depth 69mm (2.7")

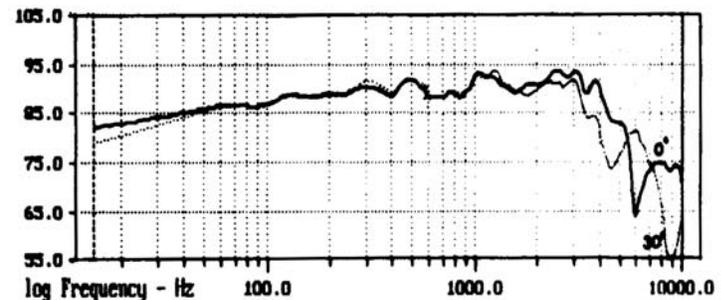
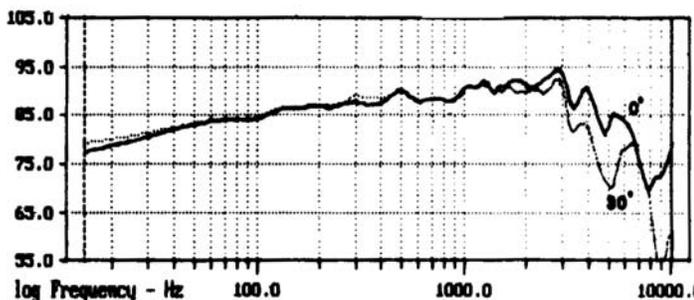
Znom	8 ohm	Sd	219.0 cm <sup>2</sup>
Re	6.6 ohm	BL	8.0 N/A
Le@1kHz	0.16 mH	Vas	113 ltrs
fs	25 Hz	Xmax	4.25 mm peak
Qms	2.08	VC Ø	75 mm
Qes	0.40	Sensitivity	
Qts	0.33	1W / 1m	89 dB
Mms	24.0 g	Nom. Power DIN 180	W
Cms	1.68 mm/N	Net weight	1.2 kg

## MW1077 10" NeoLin



- 10" Damped polymer cone woofer
- High flux neodymium magnet system
- Hexatech voice coil
- Copper lining of VC gap for flatter inductance
- Flange 263mm (10.35")
- Cut-out 230mm (9.06")
- Depth 80mm (3.13")

Znom	8 ohm	Sd	324.0 cm <sup>2</sup>
Re	6.6 ohm	BL	8.1 N/A
Le@1kHz	0.12 mH	Vas	155 ltrs
fs	28 Hz	Xmax	4.25 mm peak
Qms	2.27	VC Ø	75 mm
Qes	0.54	Sensitivity	
Qts	0.44	1W / 1m	90 dB
Mms	29.6 g	Nom. Power DIN 200	W
Cms	1.04 mm/N	Net weight	1.25 kg



## H5.1 5" Hybrid



- 5" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 145mm (5.7")
- Cut-out 121mm (4.76")
- Depth 65mm (2.56")

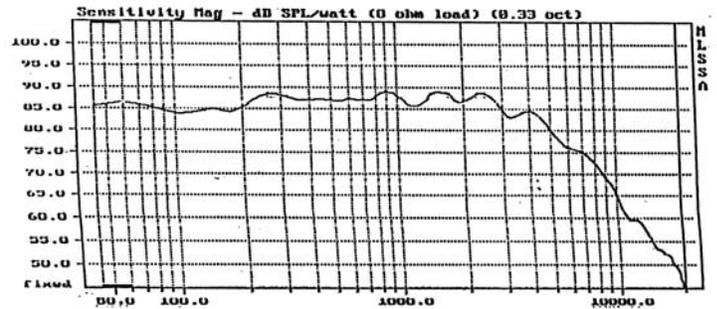
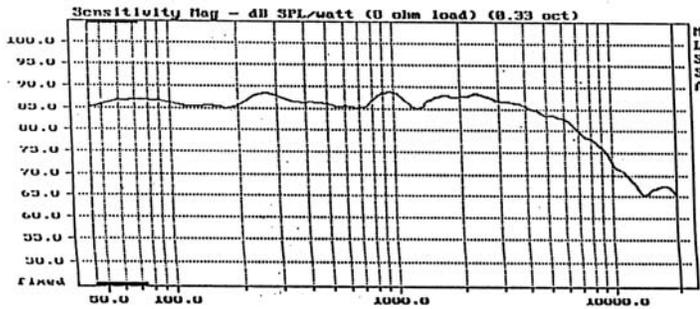
Znom	8 ohm	Sd	90.0 cm <sup>2</sup>
Re	5.6 ohm	BL	5.0 N/A
Le@1kHz	0.53 mH	Vas	22.0 ltrs
fs	43 Hz	Xmax	3.5 mm peak
Qms	2.26	VC Ø	54 mm
Qes	0.46	Sensitivity	
Qts	0.36	1W / 1m	88 dB
Mms	7.18 g	Nom. Power DIN 150	W
Cms	1.94 mm/N	Net weight	0.60 kg

## H5.2 5" Hybrid



- 5" Doped composite paper cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 145mm (5.7")
- Cut-out 121mm (4.76")
- Depth 65mm (2.56")

Znom	8 ohm	Sd	90.0 cm <sup>2</sup>
Re	5.6 ohm	BL	5.0 N/A
Le@1kHz	0.53 mH	Vas	22.0 ltrs
fs	43 Hz	Xmax	3.5 mm peak
Qms	2.26	VC Ø	54 mm
Qes	0.46	Sensitivity	
Qts	0.36	1W / 1m	88 dB
Mms	6.85 g	Nom. Power DIN 150	W
Cms	1.95 mm/N	Net weight	0.60 kg



## H6.1 6" Hybrid



- 6" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 160mm (6.3")
- Cut-out 136mm (5.35")
- Depth 65mm (2.56")

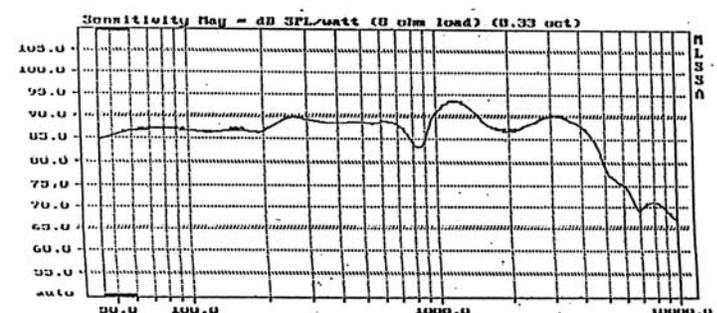
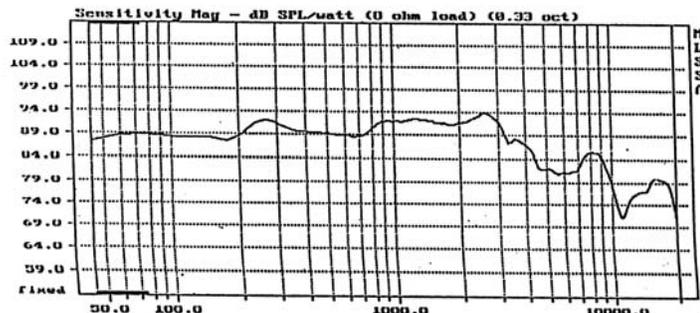
Znom	8 ohm	Sd	119.0 cm <sup>2</sup>
Re	5.6 ohm	BL	6.5 N/A
Le@1kHz	0.45 mH	Vas	30.0 ltrs
fs	40 Hz	Xmax	3.5 mm peak
Qms	2.18	VC Ø	54 mm
Qes	0.35	Sensitivity	
Qts	0.32	1W / 1m	91 dB
Mms	10.5 g	Nom. Power DIN 150	W
Cms	1.51 mm/N	Net weight	0.65 kg

## H8.1 8" Hybrid



- 8" Damped polymer composite cone
- Hybrid neodymium / ferrite magnet system
- Low magnetic field
- Hexatech voice coil
- Rubber surround
- Flange 220mm (8.7")
- Cut-out 196mm (7.72")
- Depth 69mm (2.7")

Znom	8 ohm	Sd	219.0 cm <sup>2</sup>
Re	5.6 ohm	BL	9.43 N/A
Le@1kHz	0.86 mH	Vas	65.0 ltrs
fs	32 Hz	Xmax	4.25 mm peak
Qms	1.66	VC Ø	75 mm
Qes	0.36	Sensitivity	
Qts	0.29	1W / 1m	90 dB
Mms	24.15 g	Nom. Power DIN 180	W
Cms	0.97 mm/N	Net weight	1.20 kg



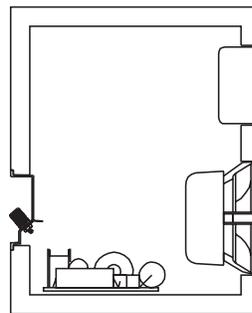
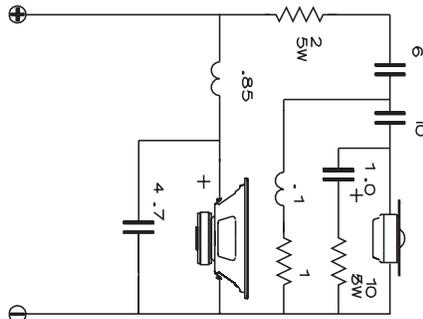
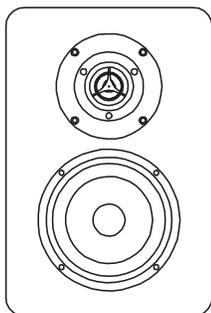
# Home Theater Speakers from Madisound & Vifa

If you have been looking for Home Theater speakers that are better than the current choices on the market, Madisound and Vifa have some good news for you. Vifa has designed exceptional shielded high fidelity loudspeakers for this purpose, and Madisound has matched these drivers with precise crossovers and beautiful oak veneer cabinets. The result are systems worthy of an Oscar for audio reproduction

The following designs were developed using Madisound's anechoic chamber, Audio Precision measurement and Leap analysis. All three speakers use the Vifa M13SG09, a 13cm paper cone, cast frame woofer. The tweeter is the D25ASG05, which is also shielded and has a 25mm aluminum dome. The cabinets are oak veneered 19mm fiber board, with solid rounded oak corners and a black assembled grill. You may choose between black stained or clear oak finishes. Everything you need to complete the system is included. The crossovers are assembled and the cabinets are pre-cut for easy assembly. You can expect to assemble a pair of speaker in one evening. As with all Madisound kits, your satisfaction is guaranteed

## Vifa Solo Shielded 2-way Audio/Video Speaker Price Each \$175.00

H - 12"  
W - 8"  
D - 10 1/4"



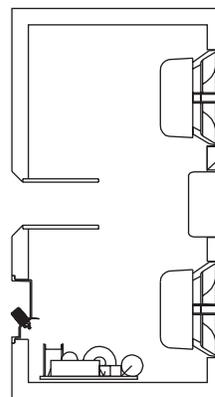
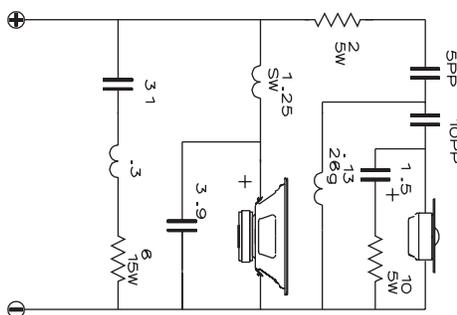
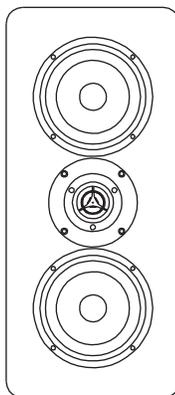
Price w/o cabinets \$100.00

Nominal Impedance: 8 ohms

Frequency range  $\pm 3\text{dB}$ : 60Hz to 35KHz - Vented

## Vifa A/V Shielded MTM Audio/Video Speaker Price Each \$215.50

H - 18 1/2"  
W - 8"  
D - 10 1/2"



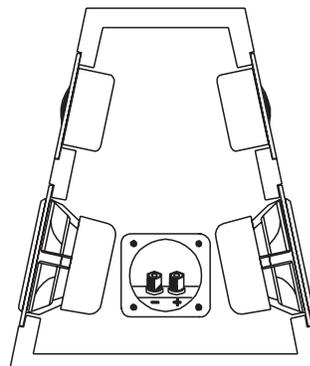
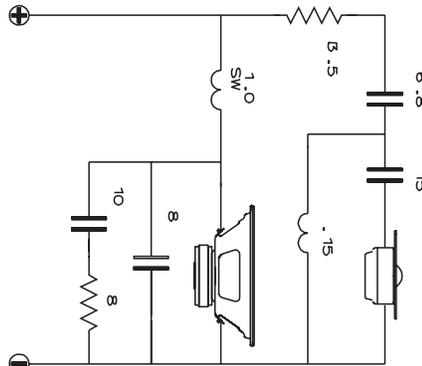
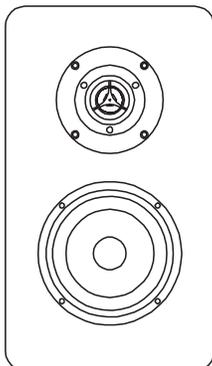
Price w/o cabinets \$132.50

Nominal Impedance: 8 ohms

Frequency range  $\pm 3\text{dB}$ : 55Hz to 35KHz - Vented

## Vifa Surround Dipole/Bipole A/V Speaker Price Each \$270.00

H - 14"  
W - 8"  
D - 12"



Price w/o cabinets \$160.00

Nominal Impedance: 8 ohms

Frequency range  $\pm 3\text{dB}$ : 80Hz to 35KHz - Sealed

These kits are also available with the Vifa **D27SG05** silk dome tweeters.



# Danish Sound Technologies

www.d-s-t.com



Model #	Description	Ω	Price
<b>Vifa "XT" High Performance Speakers</b>			
XT19SD00	<b>Shielded</b> ¾" Ring Radiator tweeter	4	\$65.00
XT19TD00	¾" Ring Radiator tweeter	4	\$55.00
XT25SC30	<b>Shielded</b> 1" Ring Radiator tweeter	4	\$80.00
XT25TG30	1" Ring Radiator tweeter	4	\$60.00
XG18WH00	7" Fiberglass cone mid/bass	8	\$99.00
XT18WH09	7" Wood fiber cone mid/bass	8	\$125.00
XT18WO09	7" Wood fiber cone mid/bass	8	\$140.00
<b>Vifa "PL" Premium Speakers</b>			
PL11WG09	4 ½" Paper cone mid/bass	4/8	\$37.50
PL11WH09	4 ½" Paper cone mid/bass	4/8	\$44.95
PL14WJ09	5 ½" Paper cone mid/bass	4/8	\$51.95
PL18WO09	7" Paper cone mid/bass	4/8	\$64.25
PL22WR09	8" Paper cone woofer	4/8	\$87.35
PL26WR09	10" Paper cone woofer	4/8	\$100.85
<b>Vifa "MG" Tweeters &amp; Fiberglass Cone Woofers</b>			
DX19SD05	<b>Shielded</b> ¾" Fabric dome tweeter	4	\$33.00
DX19TD05	¾" Fabric dome tweeter	4	\$28.00
DX25SG05	<b>Shielded</b> 1" Fabric dome tweeter	4	\$45.00
DX25TG05	1" Fabric dome tweeter	4	\$39.50
MG27SG29	<b>Shielded</b> 1" Fabric dome tweeter	4	\$32.70
MG27TG29	1" Fabric dome tweeter	4	\$25.10
MG27TG39	1" Fabric dome tweeter, chambered	4	\$29.65
MG10SD09	<b>Shielded</b> 4" Fiberglass midrange	4/8	\$50.50
MG10MD09	4" Fiberglass cone midrange	4/8	\$48.90
MG14SK09	<b>Shielded</b> 5 ½" Fiberglass mid/bass	4/8	\$61.65
MG14WK09	5 ½" Fiberglass cone mid/bass	4/8	\$49.35
MG18SK09	<b>Shielded</b> 7" Fiberglass mid/bass	4/8	\$62.00
MG18WK09	7" Fiberglass mid/bass	4/8	\$51.05
MG22WO09	8" Fiberglass cone woofer	4/8	\$71.35
<b>Vifa "TC" Tweeters &amp; Paper Cone Woofers</b>			
TC20SD05	<b>Shielded</b> ¾" Fabric dome tweeter	6	\$18.00
TC20TD05	¾" Fabric dome tweeter	6	\$14.05
TC26SF05	<b>Shielded</b> 1" Fabric dome tweeter	6	\$23.20
TC26TG05	1" Fabric dome tweeter	6	\$17.80
TC08SD49	<b>Shielded</b> 3" Paper cone mid/bass	4/8	\$27.45
TC08WD49	3" Paper cone mid/bass	8	\$19.30
TC11SG49	<b>Shielded</b> 4 ½" Paper cone mid/bass	4/8	\$29.40
TC11WG49	4 ½" Paper cone mid/bass	4/8	\$22.90
TC14SG49	<b>Shielded</b> 5 ½" Paper cone mid/bass	4/8	\$27.75
TC14WG49	5 ½" Paper cone mid/bass	8	\$22.05
TC18SG49	<b>Shielded</b> 7" Paper cone mid/bass	4/8	\$29.65
TC18WG49	7" Paper cone mid/bass	4/8	\$23.95
<b>Vifa "Classic" Tweeters</b>			
D19AD05	¾" Aluminum dome tweeter	6	\$21.25
D19TD05	¾" Polymer dome tweeter	8	\$13.00
D19SD05	<b>Shielded</b> ¾" Polymer dome tweeter	8	\$18.15
D20TD05	¾" Fabric dome tweeter	6	\$14.05
D25AG05	<b>Shielded</b> 1" Aluminum dome tweeter	6	\$28.20
D25AG05	1" Aluminum dome tweeter	6	\$23.60
D25AG35	1" Aluminum dome, chambered	6	\$28.95
D26TG05	1" Fabric dome tweeter	6	\$18.50
D26TG35	1" Fabric dome tweeter, chambered	6	\$23.70
D27SG05	<b>Shielded</b> 1" Fabric dome tweeter	6	\$24.10
D27TG05	1" Fabric dome tweeter	6	\$18.70

Model #	Description	Ω	Price
D27TG35	1" Fabric dome tweeter, chambered	6	\$24.10
D27SG15	<b>Shielded</b> 1" Fabric dome, bulged fp	6	\$24.10
D27TG15	1" Fabric dome tweeter, bulged fp	6	\$18.85
D27TG45	1" Fabric dome tweeter, bulged fp	6	\$24.15
H26TG35	Horn 1" Fabric dome tweeter	6	\$25.95
D26NC15	1" Fabric dome neo., w/heat sinks	6	\$25.90
D26NC55	1" Fabric dome neo., w/heat sinks	6	\$25.90
<b>Vifa "Classic" Midranges</b>			
D75MX41	3" Fabric dome midrange	8	\$39.50
M10MD39	3" Paper cone midrange	8	\$25.80
P13MH00	5" Poly cone midrange	8	\$36.05
<b>Vifa "Classic" Mid/Bass &amp; Woofers</b>			
C11WG09	4 ½" Paper cone mid/bass	4/8	\$23.65
C13WG19	5 ¼" Paper cone woofer	8	\$23.75
M13SG09	<b>Shielded</b> 5" Paper cone mid/bass	8/16	\$35.10
P13WG00	5" Poly cone mid/bass	8	\$33.20
P13WH00	5" Poly cone mid/bass	8	\$36.60
P13WH10	5" Poly cone mid/bass	4	\$37.75
M17SG09	<b>Shielded</b> 6.5" Paper cone mid/bass	8	\$36.60
P17SJ00	<b>Shielded</b> 6.5" Poly cone mid/bass	8	\$49.00
P17WG00	6.5" Poly cone mid/bass	6/8	\$30.70
P17WJ00	6.5" Poly cone mid/bass	4/8	\$37.80
C17WG69	6.5" Paper cone mid/bass	8	\$21.05
M18WO09	7" Paper cone woofer	8	\$51.95
M21WO39	8" Paper cone woofer	8	\$50.35
P21WN20	8" Poly cone woofer	8	\$51.75
P21WO20	8" Poly cone woofer	8	\$52.95
P21WO39	8" Poly cone woofer	8	\$51.75
M22WR09	8" Paper cone woofer	6	\$82.30
P25WO00	10" Poly cone woofer	8	\$57.30
M26WR09	10" Paper cone woofer	8	\$82.35
M30WO49	12" Paper cone woofer	8	\$91.80
<b>Vifa "Classic" Autosound Tweeters &amp; Mid/Bass Speakers</b>			
D25AC05	1" Aluminum dome, neo., grill	6	\$31.15
D26NC05	1" Fabric dome, neo., grill	6	\$30.00
P13WH10	5" Poly cone mid/bass	4	\$37.75
M18WN19	7" Paper cone mid/bass, no grill	4	\$49.75
VTG	Grill for 4 hole 104mm tweeters	pr	\$9.00
V5G	Grill for 13cm mid/bass	pr	\$12.00
V6G	Grill for 17cm mid/bass ( <b>not 18cm</b> )	pr	\$14.00
V8G	Grill for 21cm mid/bass ( <b>not 22cm</b> )	pr	\$17.00
VFM	Flush mount kit; D25AC/D26NC	ea	\$4.50
VWM	Wedge mount kit; D25AC/D26NC	ea	\$4.25
<b>Replacement Tweeter Voice Coils</b>			
600006	VC for D25 poly dome tweeters	6	\$8.00
600010	VC for D26TG05	6	\$8.50
600011	VC for D20TD05	6	\$8.50
600012	VC for D26TG35	6	\$9.50
600028	VC for D25AG05, D25SG05	6	\$12.00
600029	VC for D25AG35	6	\$14.40
600031	VC for D19AD05	6	\$8.25
600045	VC for D26NC05, NC15, NC55	6	\$9.00
600057	VC for D27TG05, D27TG15	6	\$8.50
600058	VC for D27TG35, D27TG45	6	\$9.50
<b>Specs for most 4 ohm speakers available at <a href="http://www.d-s-t.com">www.d-s-t.com</a>.</b>			

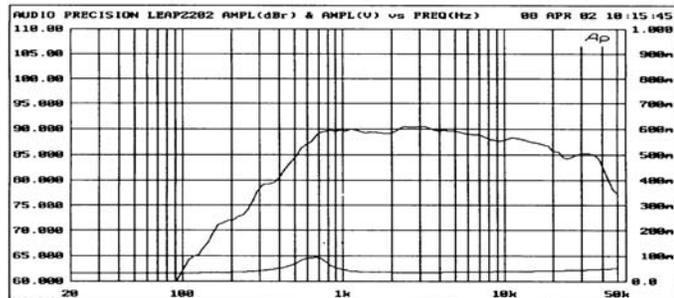


## XT25SC30-4



- Dual concentric diaphragm
- Non-reflective dual chamber
- Controlled directivity
- Wave-guide center plug
- copper-clad aluwire VC
- Neodymium magnet
- Flange 104mm
- Cutout 73.5mm, D 49mm

Znom	4	ohm	Sd	5.4	cm <sup>2</sup>
Re	3.0	ohm	BL		Tm
Le@1kHz		mH	Vas	-	ltrs
fs	680	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	89	dB
Mms	0.30	g	Nom. Power DIN		W
(Specs & Curves by Madisound)			Magnet weight		g

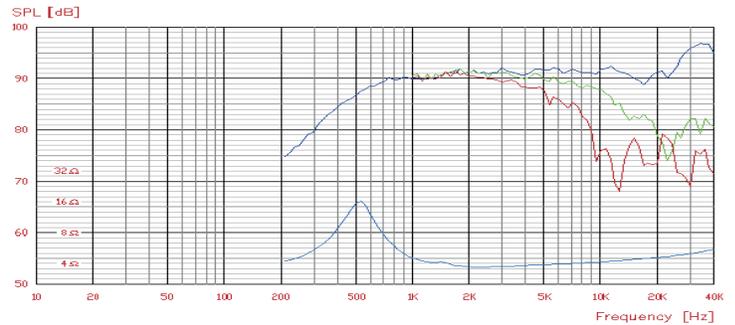


## XT25TG30-04



- Dual concentric diaphragm
- Non-reflective dual chamber
- Controlled directivity
- Wave-guide center plug
- copper-clad aluwire VC and braided leads
- Flange 104mm
- Cutout 73.5mm, D 41mm

Znom	4	ohm	Sd	5.4	cm <sup>2</sup>
Re	3.0	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	0.02	ltrs
fs	500	Hz	Xmax	0.5	mm peak
Qms	2.50		VC Ø	25	mm
Qes	0.71		Sensitivity		
Qts	0.55		2.83V / 1m	91.5	dB
Mms	.30	g	Nom. Power DIN	140	W
Cms	-	mm/N	Magnet weight	240	g

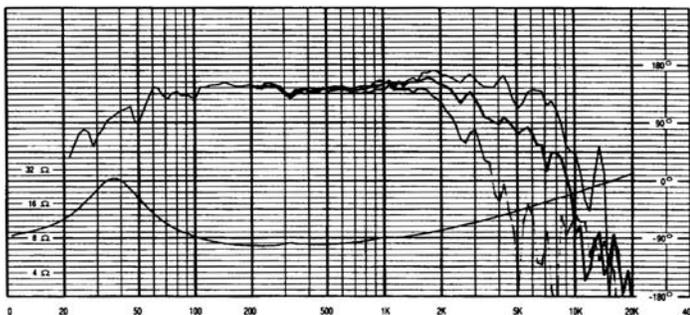


## XG18WH00-08



- 7" Glass fiber cone mid-woofer
- Phase integrated dust cap
- Low resonance multi-roll surround
- Airflow optimized low distortion chassis and magnet system
- Flange 180mm
- Special installation inst.

Znom	8	ohm	Sd	129	cm <sup>2</sup>
Re	5.7	ohm	BL	5.6	Tm
Le@1kHz	0.53	mH	Vas	45	ltrs
fs	34	Hz	Xmax	5	mm peak
Qms	1.77		VC Ø	25	mm
Qes	0.46		Sensitivity		
Qts	0.36		2.83V / 1m	86	dB
Mms	11.8	g	Nom. Power DIN	-	W
Rm	1.4	Ns/m	Magnet weight	415	g

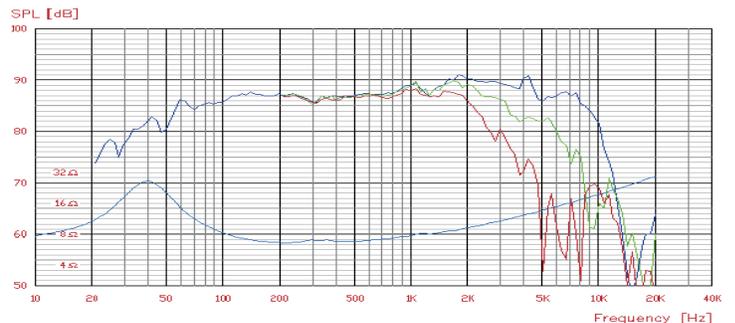


## XT18WH09-08



- 7" Wood fiber cone mid-woofer
- Phase integrated dust cap
- Low resonance multi-roll surround
- Airflow optimized low distortion chassis and magnet system
- Flange 180mm
- Special installation inst.

Znom	8	ohm	Sd	129	cm <sup>2</sup>
Re	5.5	ohm	BL	5.5	Tm
Le@1kHz	0.54	mH	Vas	39	ltrs
fs	38	Hz	Xmax	5	mm peak
Qms	1.83		VC Ø	25	mm
Qes	0.46		Sensitivity		
Qts	0.37		2.83V / 1m	87	dB
Mms	10.7	g	Nom. Power DIN	-	W
Rm	1.4	Ns/m	Magnet weight	415	g



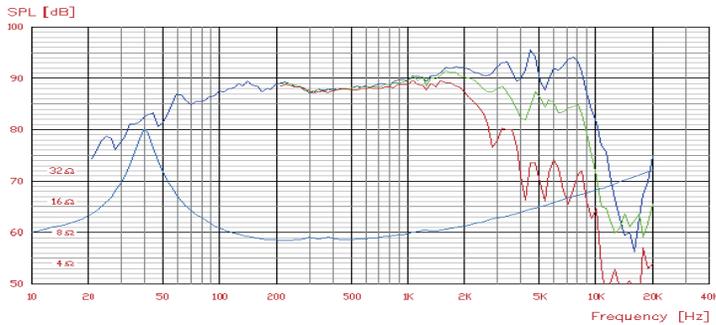
## XT18WO09-08



- 7" Wood fiber cone mid-woofer
- Phase integrated dust cap
- Low resonance multi-roll surround
- Airflow optimized low distortion chassis and magnet system
- Flange 180mm
- Special installation inst.

Znom	8 ohm
Re	5.8 ohm
Le@1kHz	0.54 mH
fs	38 Hz
Qms	5.87
Qes	0.39
Qts	0.37
Mms	11.1 g
Rm	0.43 Ns/m

Sd	129 cm <sup>2</sup>
BL	6.2 Tm
Vas	38 ltrs
Xmax	4.5 mm peak
VC Ø	25 mm
Sensitivity	
	2.83V / 1m 88 dB
Nom. Power DIN	- W
Magnet weight	698 g



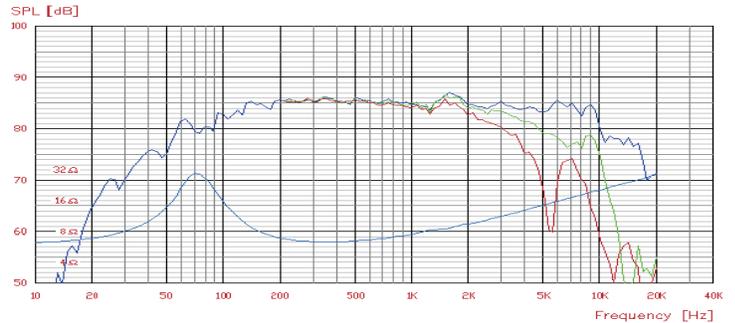
## PL11WG-09-08



- PREMIUM LINE 4.5" mid-woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 125mm
- Cut-out 101mm
- Depth 59mm

Znom	8 ohm
Re	5.6 ohm
Le@1kHz	.61 mH
fs	52 Hz
Qms	2.20
Qes	0.60
Qts	0.47
Mms	5.9 g
Cms	-

Sd	58 cm <sup>2</sup>
BL	4.9 Tm
Vas	4.25 ltrs
Xmax	3 mm peak
VC Ø	25 mm
Sensitivity	
	2.83V / 1m 85 dB
Nom. Power DIN	35 W
Magnet weight	8.5 oz.



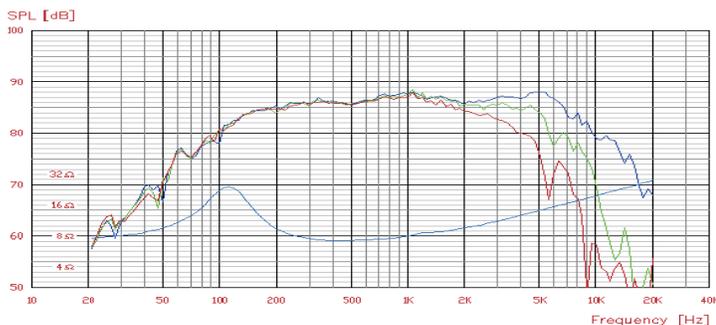
## PL11WH-09-08



- PREMIUM LINE 4.5" mid-woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 125mm
- Cut-out 101mm
- Depth 59mm

Znom	8 ohm
Re	5.6 ohm
Le@1kHz	.45 mH
fs	69 Hz
Qms	1.70
Qes	0.39
Qts	0.32
Mms	5.9 g
Cms	- mm/N

Sd	58 cm <sup>2</sup>
BL	6.1 Tm
Vas	4.25 ltrs
Xmax	3 mm peak
VC Ø	25 mm
Sensitivity	
	2.83V / 1m 87 dB
Nom. Power DIN	35 W
Magnet weight	14.6 oz.



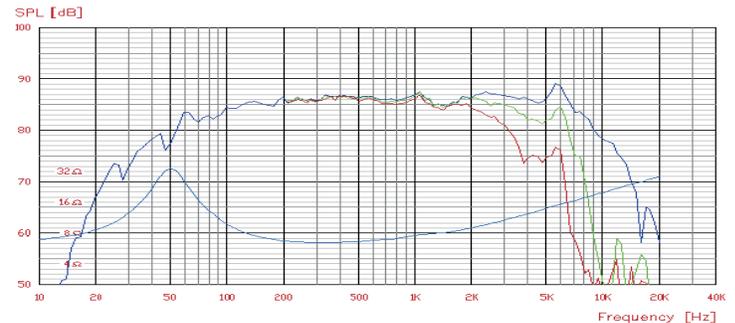
## PL14WJ-09-08



- PREMIUM LINE 5" mid-woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 149mm
- Cut-out 115mm
- Depth 71mm

Znom	8 ohm
Re	5.8 ohm
Le@1kHz	.49 mH
fs	47 Hz
Qms	2.20
Qes	0.46
Qts	0.38
Mms	8.2 g
Cms	- mm/N

Sd	80 cm <sup>2</sup>
BL	5.5 Tm
Vas	13 ltrs
Xmax	3 mm peak
VC Ø	32 mm
Sensitivity	
	2.83V / 1m 86 dB
Nom. Power DIN	50 W
Magnet weight	14.5 oz.

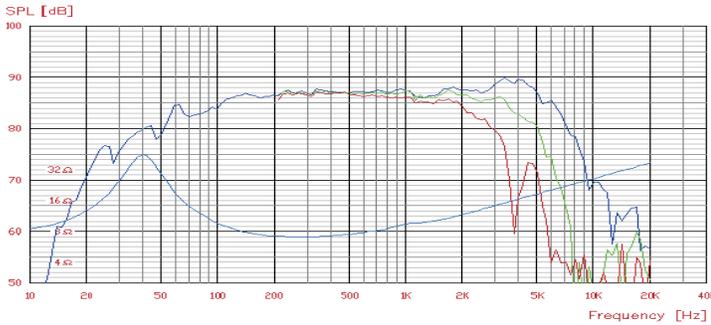


## PL18WO-09-08



- PREMIUM LINE 7" woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 180mm
- Cut-out 145mm
- Depth 84mm

Znom	8 ohm	Sd	132 cm <sup>2</sup>
Re	5.8 ohm	BL	7.8 Tm
Le@1kHz	.85 mH	Vas	25 ltrs
fs	39 Hz	Xmax	4 mm peak
Qms	2.46	VC Ø	40 mm
Qes	0.40	Sensitivity	
Qts	0.34	2.83V / 1m	87 dB
Mms	17.5 g	Nom. Power DIN	100 W
Cms	- mm/N	Magnet weight	24.7 oz

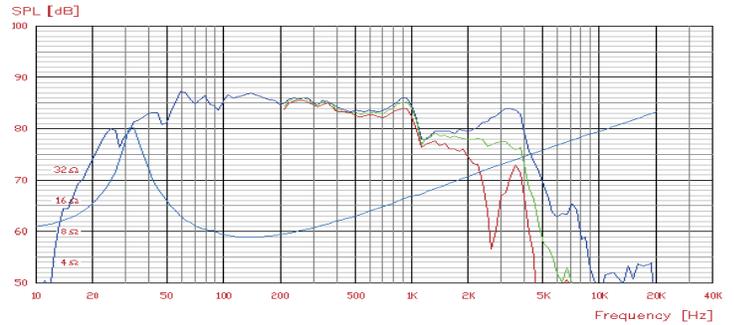


## PL22WR-09-08



- PREMIUM LINE 8" woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 225mm
- Cut-out 185mm
- Depth 99mm

Znom	8 ohm	Sd	224 cm <sup>2</sup>
Re	5.9 ohm	BL	10.9 Tm
Le@1kHz	2.7 mH	Vas	56 ltrs
fs	27 Hz	Xmax	4 mm peak
Qms	5.65	VC Ø	50 mm
Qes	0.37	Sensitivity	
Qts	0.34	2.83V / 1m	85.5 dB
Mms	43 g	Nom. Power DIN	125 W
Cms	- mm/N	Magnet weight	37 oz

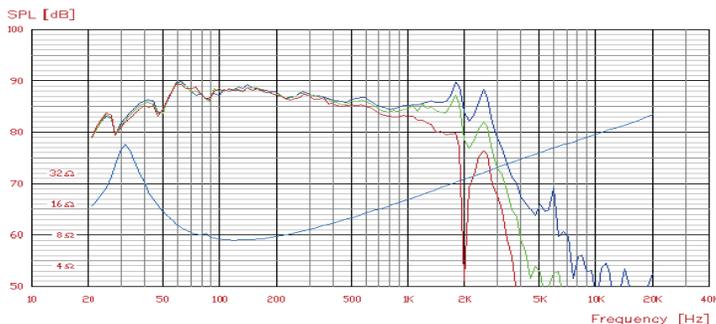


## PL26WR-09-08



- PREMIUM LINE 10" woofer
- Non-resonant cone
- Very flat response
- Rigid magnesium basket
- Long linear excursion
- Gold plated terminals
- Flange 271mm
- Cut-out 232mm
- Depth 107mm

Znom	8 ohm	Sd	337 cm <sup>2</sup>
Re	5.9 ohm	BL	10.9 Tm
Le@1kHz	2.7 mH	Vas	110 ltrs
fs	27 Hz	Xmax	4 mm peak
Qms	4.33	VC Ø	50 mm
Qes	0.43	Sensitivity	
Qts	0.39	2.83V / 1m	87 dB
Mms	51 g	Nom. Power DIN	125 W
Cms	- mm/N	Magnet weight	37 oz

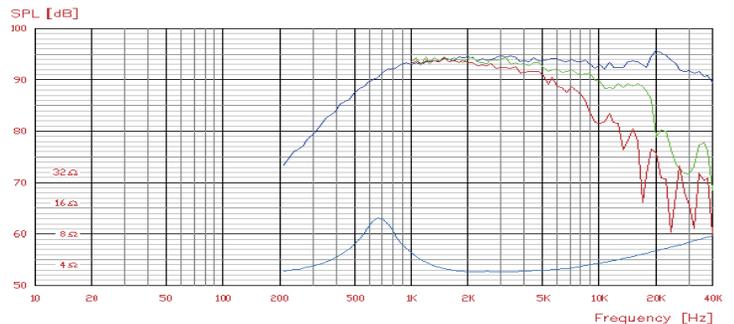


## DX25TG05-04



- 1" Fabric high dispersion dome tweeter
- Low compression chamber design
- Light weight voice coil
- High power handling
- High Sensitivity
- Flange 104mm
- Cut-out 75mm
- Depth 26mm

Znom	4 ohm	Sd	7.0 cm <sup>2</sup>
Re	2.75 ohm	BL	2.2 Tm
Le@1kHz	mH	Vas	- ltrs
fs	650 Hz	Xmax	- mm peak
Qms	4.32	VC Ø	25 mm
Qes	0.79	Sensitivity	
Qts	0.67	2.83V / 1m	93.5 dB
Mms	0.42 g	Nom. Power DIN	- W
Cms	- mm/N	Magnet weight	240 g

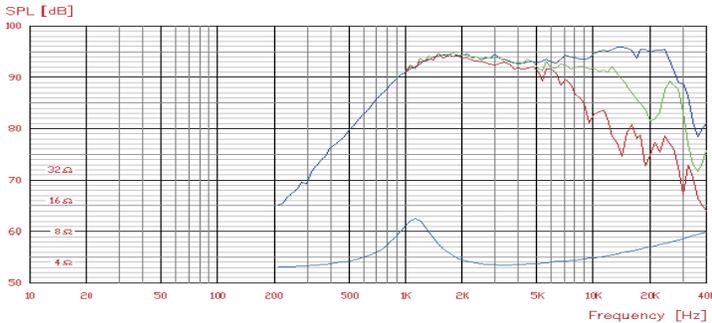


## MG27SG29-04



- 1" **Shielded** Fabric dome tweeter
- Damped chamber & cavity
- Copper clad alu wire
- Ferrofluid cooled
- Gold plated terminals
- Flange 104mm
- Cut-out 79.3mm
- Depth 38.2mm

Znom	4	ohm	Sd	7.1	cm <sup>2</sup>
Re	3.0	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1050	Hz	Xmax	-	mm peak
Qms	2.76		VC Ø	25	mm
Qes	0.90		Sensitivity		
Qts	0.68		2.83V / 1m	93.5	dB
Mms	0.28	g	Nom. Power DIN 140	140	W
Rm	0.67	Ns/m	Magnet weight	140	g

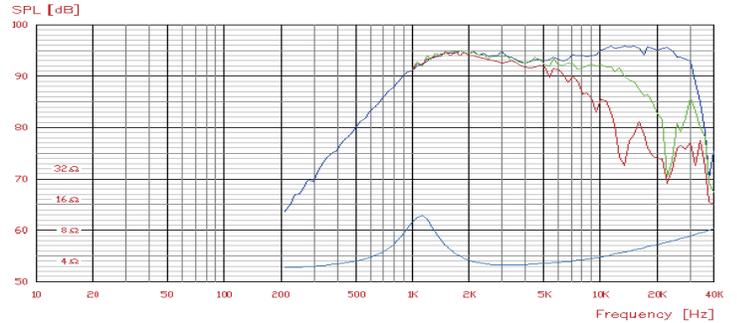


## MG27TG29-04



- 1" Fabric dome tweeter
- Damped cavity
- Copper clad alu wire
- Ferrofluid cooled
- Gold plated terminals
- High power handling
- High sensitivity
- Flange 104mm
- Cut-out 73.5mm
- Depth 24mm

Znom	4	ohm	Sd	7.1	cm <sup>2</sup>
Re	3.0	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1050	Hz	Xmax	-	mm peak
Qms	2.76		VC Ø	25	mm
Qes	0.90		Sensitivity		
Qts	0.68		2.83V / 1m	93.5	dB
Mms	0.28	g	Nom. Power DIN 140	140	W
Rm	0.67	NS/m	Magnet weight	140	g

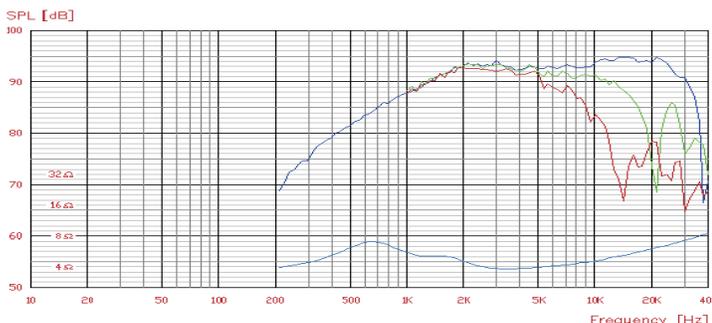


## MG27TG39-04



- 1" Fabric dome tweeter
- Damped chamber & cavity
- Copper clad alu wire
- Ferrofluid cooled
- Gold plated terminals
- High power handling
- Flange 104mm
- Cut-out 73.5mm
- Depth 36.1mm

Znom	4	ohm	Sd	7.1	cm <sup>2</sup>
Re	3.0	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	630	Hz	Xmax	-	mm peak
Qms	0.99		VC Ø	25	mm
Qes	0.54		Sensitivity		
Qts	0.35		2.83V / 1m	95	dB
Mms	0.28	g	Nom. Power DIN 140	140	W
Rm	1.12	Ns/m	Magnet weight	140	g

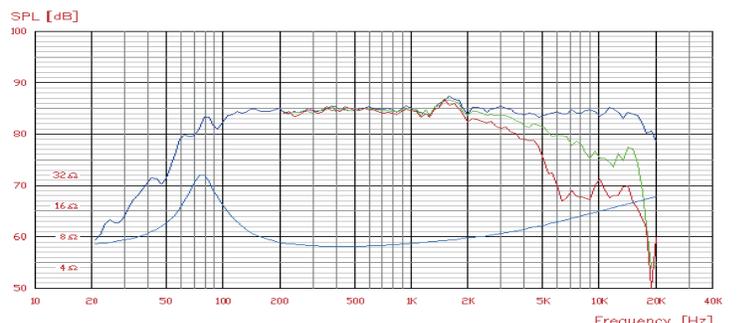


## MG10SD09-08



- 4" **Shielded** Midrange
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Wide band 100-15000Hz
- Gold plated terminals
- Flange 104mm
- Cut-out 81mm
- Depth 45mm

Znom	8	ohm	Sd	38	cm <sup>2</sup>
Re	5.5	ohm	BL	3.5	Tm
Le@1kHz	0.33	mH	Vas	2.5	ltrs
fs	81	Hz	Xmax	0.65	mm peak
Qms	3.40		VC Ø	20	mm
Qes	0.73		Sensitivity		
Qts	0.60		2.83V / 1m	85	dB
Mms	3.2	g	Nom. Power DIN	-	W
Rm	0.48	Ns/m	Magnet weight	210	g



## MG10MD09-08



- 4" Midrange
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Wide band 100-15000Hz
- Gold plated terminals
- Flange 104mm
- Cut-out 81mm
- Depth 44.4mm

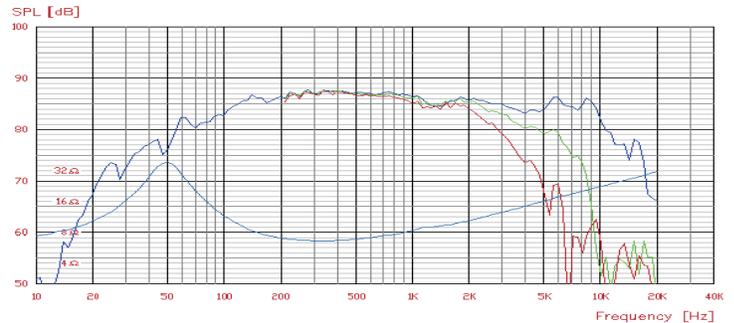
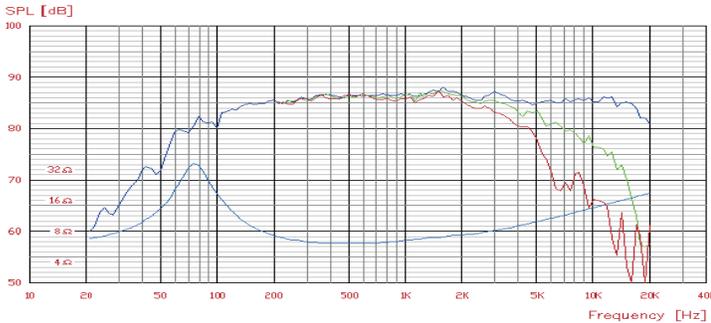
Znom	8 ohm	Sd	38 cm <sup>2</sup>
Re	5.5 ohm	BL	3.8 Tm
Le@1kHz	0.33 mH	Vas	2.5 ltrs
fs	81 Hz	Xmax	0.65 mm peak
Qms	3.40	VC Ø	20 mm
Qes	0.60	Sensitivity	
Qts	0.51	2.83V / 1m	86 dB
Mms	3.2 g	Nom. Power DIN	- W
Rm	0.48 Ns/m	Magnet weight	210 g

## MG14SK09-08



- 5 1/2" Shielded Woofer
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Low distortion magnet
- Gold plated terminals
- Flange 149mm
- Cut-out 114.7mm
- Depth 78.1

Znom	8 ohm	Sd	80 cm <sup>2</sup>
Re	5.6 ohm	BL	6.3 Tm
Le@1kHz	0.78 mH	Vas	11.7 ltrs
fs	46 Hz	Xmax	3.5 mm peak
Qms	2.16	VC Ø	25 mm
Qes	0.36	Sensitivity	
Qts	0.31	2.83V / 1m	87 dB
Mms	8.5 g	Nom. Power DIN	60 W
Rm	1.19 Ns/m	Magnet weight	341 g



## MG14WK09-08



- 5 1/2" Woofer
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Low distortion magnet
- Gold plated terminals
- Flange 149mm
- Cut-out 114.7mm
- Depth 61.6mm

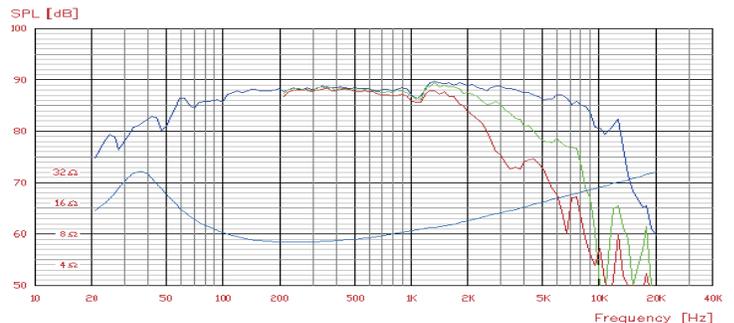
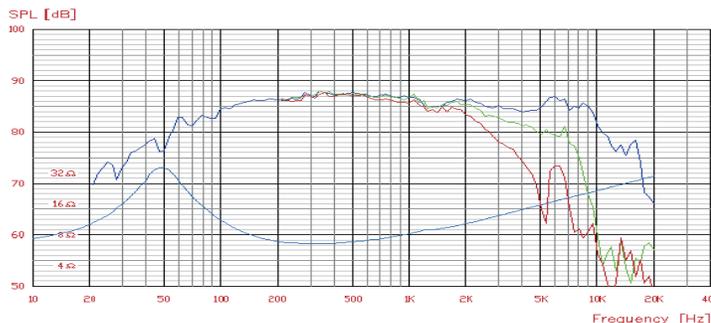
Znom	8 ohm	Sd	80 cm <sup>2</sup>
Re	5.6 ohm	BL	6.2 Tm
Le@1kHz	0.72 mH	Vas	13.8 ltrs
fs	45 Hz	Xmax	3.5 mm peak
Qms	1.99	VC Ø	25 mm
Qes	0.35	Sensitivity	
Qts	0.30	2.83V / 1m	87 dB
Mms	8.5 g	Nom. Power DIN	60 W
Rm	1.18 Ns/m		

## MG18SK09-08



- 7" Shielded Woofer
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Low distortion magnet
- Gold plated terminals
- Flange 180mm
- Cut-out 145mm
- Depth 89mm

Znom	8 ohm	Sd	138 cm <sup>2</sup>
Re	5.85 ohm	BL	6.22 Tm
Le@1kHz	0.88 mH	Vas	45 ltrs
fs	34 Hz	Xmax	4.65 mm peak
Qms	1.99	VC Ø	25 mm
Qes	0.42	Sensitivity	
Qts	0.35	2.83V / 1m	87 dB
Mms	13 g	Nom. Power DIN	60 W
Rm	1.4 Ns/m		



## MG18WK09-08



- 7" Woofer
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Low distortion magnet
- Gold plated terminals
- Flange 180mm
- Cut-out 145mm
- Depth 73mm

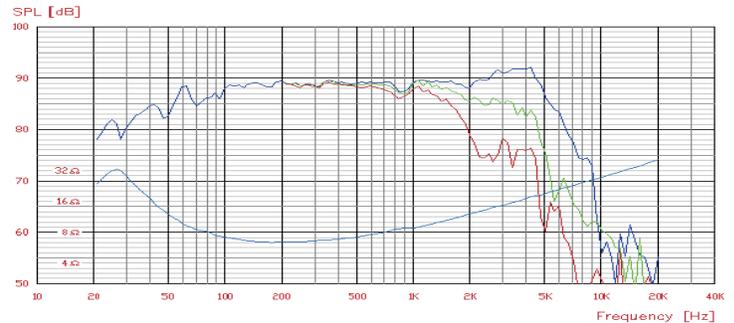
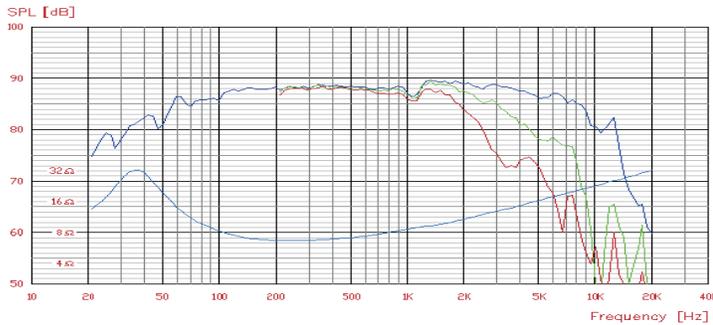
Znom	8 ohm	Sd	138 cm <sup>2</sup>
Re	5.85 ohm	BL	6.22 Tm
Le@1kHz	0.88 mH	Vas	45 ltrs
fs	34 Hz	Xmax	4.65 mm peak
Qms	1.96	VC Ø	25 mm
Qes	0.41	Sensitivity	2.83V / 1m 86.5 dB
Qts	0.34	Nom. Power DIN	60 W
Mms	13 g		
Rm	1.4 Ns/m		

## MG22WO09-08



- 8" Woofer
- Yellow Glass Fiber cone
- Diecast Chassis
- Low damping rubber surround
- Low distortion magnet
- Gold plated terminals
- Flange 225mm
- Cut-out 185.5mm
- Depth 88.7

Znom	8 ohm	Sd	235 cm <sup>2</sup>
Re	5.5 ohm	BL	8.85 Tm
Le@1kHz	1.05 mH	Vas	154 ltrs
fs	21 Hz	Xmax	5.8 mm peak
Qms	1.60	VC Ø	40 mm
Qes	0.27	Sensitivity	2.83V / 1m 88.5 dB
Qts	0.23	Nom. Power DIN	125 W
Mms	29 g	Magnet weight	698 g
Cms	2 mm/N		



## TC20SD05-06



- ¾" Shielded Fabric Dome Tweeter
- Linear response faceplate
- Ferrofluid cooled
- Damped pole piece cavity
- Flange 94mm
- Cut-out 72mm
- Depth 30.5

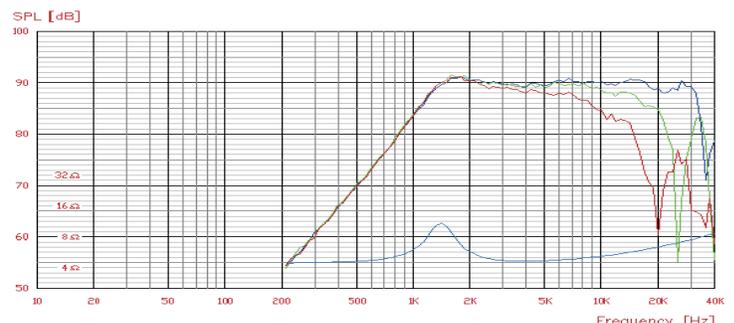
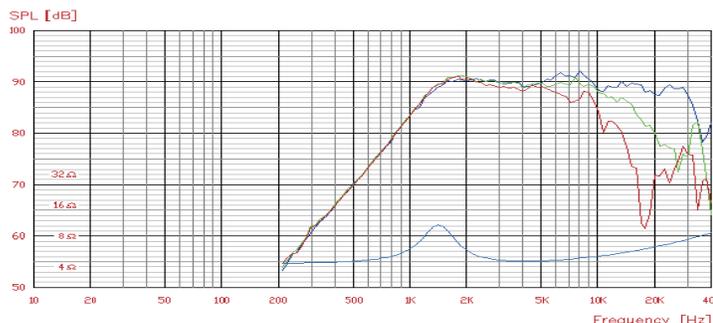
Znom	6 ohm	Sd	4.4 cm <sup>2</sup>
Re	4.2 ohm	BL	1.9 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	1400 Hz	Xmax	0.35 mm peak
Qms	3.30	VC Ø	20 mm
Qes	1.86	Sensitivity	2.83V / 1m 91 dB
Qts	1.15	Nom. Power DIN	100 W
Mms	0.2 g	Magnet weight	105 g
Cms	- mm/N		

## TC20TD05-06



- ¾" Fabric Dome Tweeter
- Linear response faceplate
- Ferrofluid cooled
- Damped pole piece cavity
- Flange 94mm
- Cut-out 68mm
- Depth 20mm

Znom	6 ohm	Sd	4.4 cm <sup>2</sup>
Re	4.2 ohm	BL	2.0 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	1400 Hz	Xmax	0.35 mm peak
Qms	3.10	VC Ø	20 mm
Qes	1.76	Sensitivity	2.83V / 1m 90 dB
Qts	1.12	Nom. Power DIN	90 W
Mms	0.2 g	Magnet weight	105 g
Cms	- mm/N		



## TC26SF05-06



- 1" Shielded Fabric Dome Tweeter
- Linear response faceplate
- Pole piece cavity
- Magnetically shielded
- Ferrofluid cooled
- Flange 104mm
- Cut-out 82mm
- Depth 31.8mm

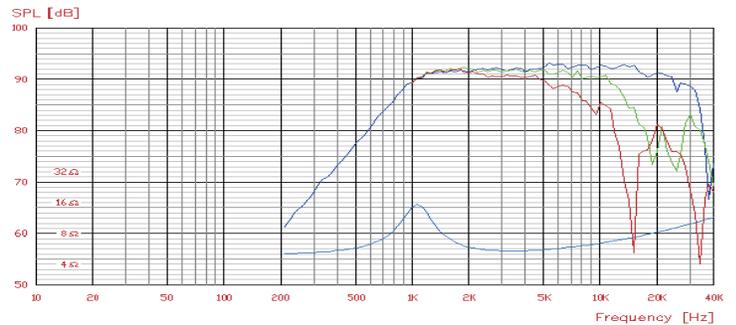
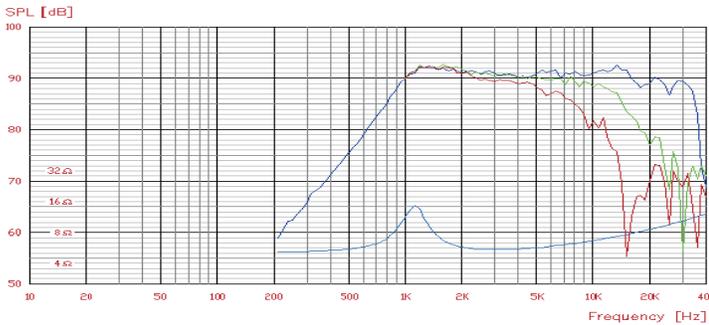
Znom	8 ohm	Sd	7.1 cm <sup>2</sup>
Re	4.6 ohm	BL	2.5 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	1200 Hz	Xmax	0.5 mm peak
Qms	2.20	VC Ø	25 mm
Qes	1.83	Sensitivity	
Qts	1.00	2.83V / 1m	91 dB
Mms	0.33 g	Nom. Power DIN	80 W
Cms	- mm/N	Magnet weight	104 g

## TC26TG05-06



- 1" Fabric Dome Tweeter
- Linear response faceplate
- High stability ferrofluid
- Damped cavity in pole piece
- Ferrofluid cooled
- Flange 104mm
- Cut-out 82mm
- Depth 27.8mm

Znom	6 ohm	Sd	7.1 cm <sup>2</sup>
Re	4.6 ohm	BL	2.9 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	1150 Hz	Xmax	0.5 mm peak
Qms	2.10	VC Ø	25 mm
Qes	1.30	Sensitivity	
Qts	0.80	2.83V / 1m	92 dB
Mms	0.33 g	Nom. Power DIN	90 W
Cms	- mm/N	Magnet weight	240 g



## TC08SD49-08



- 3" Shielded Mid-Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 95mm
- Cut-out 74.4mm
- Depth 51mm

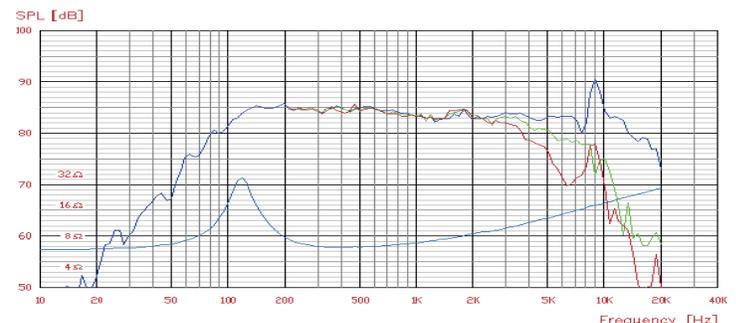
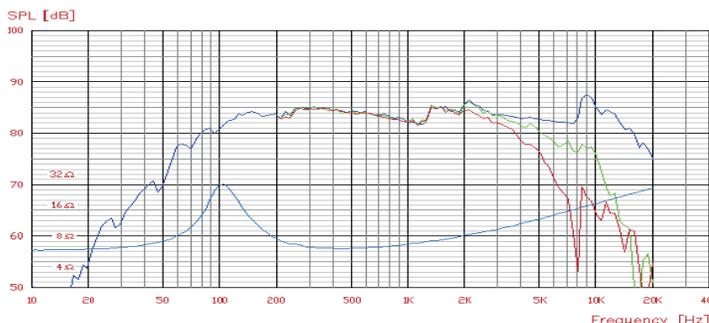
Znom	8 ohm	Sd	35 cm <sup>2</sup>
Re	5.45 ohm	BL	3.6 Tm
Le@1kHz	0.47 mH	Vas	1.4 ltrs
fs	100 Hz	Xmax	2 mm peak
Qms	3.52	VC Ø	20 mm
Qes	0.74	Sensitivity	
Qts	0.61	2.83V / 1m	84 dB
Mms	2.8 g	Nom. Power DIN	15 W
Cms	- mm/N	Magnet weight	105 g

## TC08WD49-08



- 3" Mid-Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 95mm
- Cut-out 74.4mm
- Depth 40.7mm

Znom	8 ohm	Sd	35 cm <sup>2</sup>
Re	5.45 ohm	BL	3.55 Tm
Le@1kHz	0.47 mH	Vas	1.55 ltrs
fs	100 Hz	Xmax	2 mm peak
Qms	3.52	VC Ø	20 mm
Qes	0.76	Sensitivity	
Qts	0.63	2.83V / 1m	84 dB
Mms	2.8 g	Nom. Power DIN	15 W
Cms	- mm/N	Magnet weight	105 g



## TC11SG49-08



- 4 1/2" Shielded Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 125mm
- Cut-out 98.2mm
- Depth 64.1mm

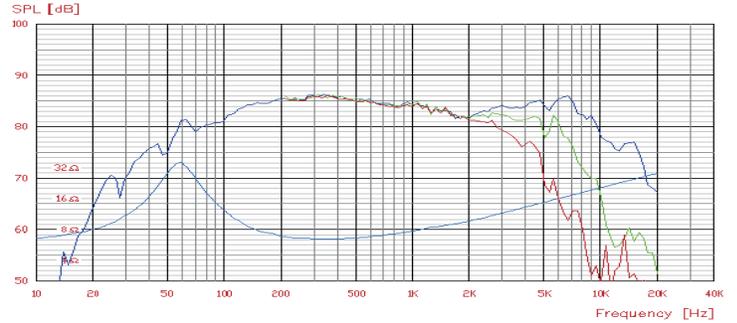
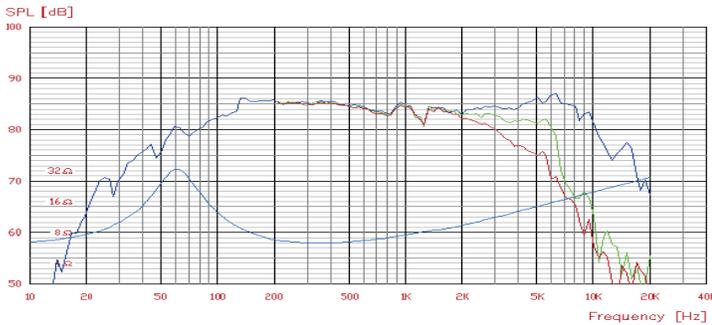
Znom	8 ohm	Sd	58 cm <sup>2</sup>
Re	5.55 ohm	BL	5.2 Tm
Le@1kHz	0.60 mH	Vas	6 ltrs
fs	58 Hz	Xmax	3 mm peak
Qms	2.40	VC Ø	25 mm
Qes	0.44	Sensitivity	
Qts	0.37	2.83V / 1m	85 dB
Mms	5.9 g	Nom. Power DIN	20 W
Cms	- mm/N	Magnet weight	240 g

## TC11WG49-08



- 4 1/2" Mid-Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 125mm
- Cut-out 98.1mm
- Depth 52.8mm

Znom	8 ohm	Sd	58 cm <sup>2</sup>
Re	5.55 ohm	BL	5.2 Tm
Le@1kHz	0.60 mH	Vas	6 ltrs
fs	58 Hz	Xmax	3 mm peak
Qms	2.40	VC Ø	25 mm
Qes	0.44	Sensitivity	
Qts	0.37	2.83V / 1m	85 dB
Mms	5.9 g	Nom. Power DIN	20 W
Cms	- mm/N	Magnet weight	240 g



## TC14SG49-08



- 5 1/2" Shielded Mid-Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 149mm
- Cut-out 115.5mm
- Depth 68.2mm

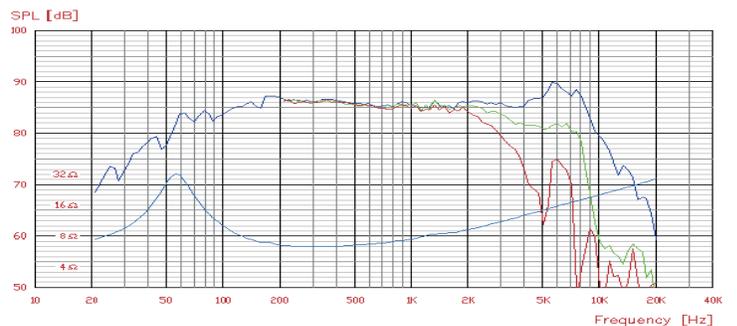
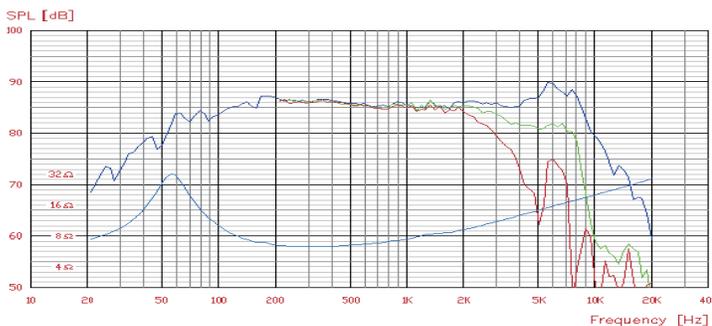
Znom	8 ohm	Sd	80 cm <sup>2</sup>
Re	5.55 ohm	BL	5.2 Tm
Le@1kHz	0.60 mH	Vas	10.5 ltrs
fs	53 Hz	Xmax	3 mm peak
Qms	2.73	VC Ø	25 mm
Qes	0.53	Sensitivity	
Qts	0.45	2.83V / 1m	86 dB
Mms	7.8 g	Nom. Power DIN	35 W
Cms	- mm/N	Magnet weight	240 g

## TC14WG49-08



- 5 1/2" Mid-Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 149mm
- Cut-out 115.5mm
- Depth 56.7mm

Znom	8 ohm	Sd	80 cm <sup>2</sup>
Re	5.55 ohm	BL	5.2 Tm
Le@1kHz	0.60 mH	Vas	10.5 ltrs
fs	53 Hz	Xmax	3 mm peak
Qms	2.73	VC Ø	25 mm
Qes	0.53	Sensitivity	
Qts	0.45	2.83V / 1m	86 dB
Mms	7.8 g	Nom. Power DIN	35 W
Cms	- mm/N	Magnet weight	240 g

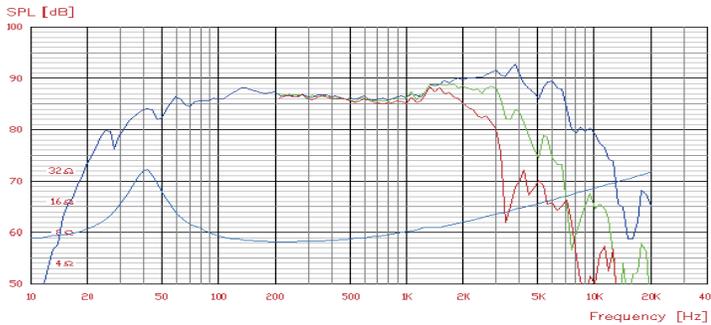


## TC18SG49-08



- 6 1/2" Shielded Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 180mm
- Cut-out 147mm
- Depth 79.2mm

Znom	8 ohm	Sd	138 cm <sup>2</sup>
Re	5.5 ohm	BL	5.0 Tm
Le@1kHz	0.75 mH	Vas	44 ltrs
fs	37 Hz	Xmax	3 mm peak
Qms	2.62	VC Ø	25 mm
Qes	0.58	Sensitivity	
Qts	0.47	2.83V / 1m	86 dB
Mms	11.2 g	Nom. Power DIN	40 W
Cms	- mm/N	Magnet weight	240 g

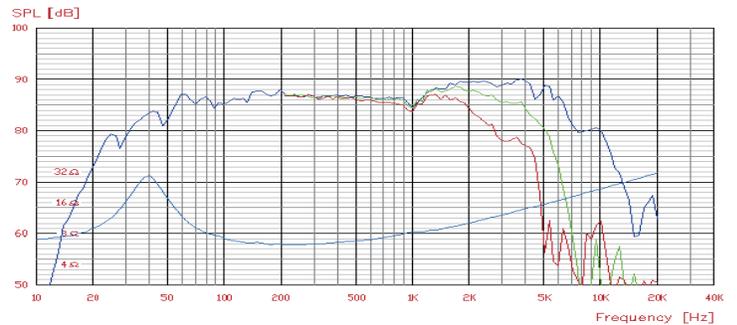


## TC18WG49-08



- 6 1/2" Woofer
- NRSC coated paper cone
- Rubber surround
- Fibre reinforced polymer chassis
- Vented magnet system
- Flange 180mm
- Cut-out 147mm
- Depth 67.9mm

Znom	8 ohm	Sd	138 cm <sup>2</sup>
Re	5.5 ohm	BL	5.0 Tm
Le@1kHz	0.75 mH	Vas	44 ltrs
fs	37 Hz	Xmax	3 mm peak
Qms	2.62	VC Ø	25 mm
Qes	0.58	Sensitivity	
Qts	0.47	2.83V / 1m	86 dB
Mms	11.2 g	Nom. Power DIN	35 W
Cms	- mm/N	Magnet weight	240 g

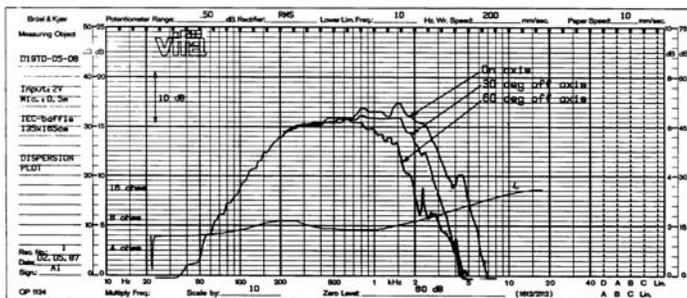


## D19TD-05-08



- 3/4" dome tweeter
- High loss diaphragm
- Magnetic fluid
- High power version
- Good dispersion
- Flange 94mm
- Cut-out 68mm
- Depth 23mm

Znom	8 ohm	Sd	4.2 cm <sup>2</sup>
Re	6.2 ohm	BL	2.6 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	1700 Hz	Xmax	- mm peak
Qms	-	VC Ø	19 mm
Qes	-	Sensitivity	
Qts	-	2.83V / 1m	89 dB
Mms	0.2g	Nom. Power DIN	80 W
Cms	- mm/N	Magnet weight	105 g

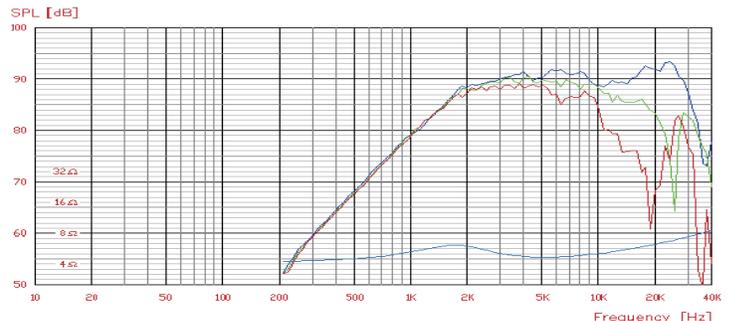


## D20TD-05-06



- 3/4" dome tweeter
- Fabric diaphragm
- Butterfly VC assembly
- Magnetic fluid
- Uncolored sound
- Frequency range to 40kHz
- Flange 94mm
- Cut-out 62mm
- Depth 23.3mm

Znom	6 ohm	Sd	4.4 cm <sup>2</sup>
Re	4.2 ohm	BL	2.2 Tm
Le@1kHz	- mH	Vas	- ltrs
fs	1700 Hz	Xmax	- mm peak
Qms	-	VC Ø	19 mm
Qes	-	Sensitivity	
Qts	-	2.83V / 1m	89 dB
Mms	0.2 g	Nom. Power DIN	100 W
Cms	- mm/N	Magnet weight	105 kg



## D25ASG-05-06



- 1" dome tweeter
- Shielded magnet
- Aluminum alloy diaphragm
- Magnetic fluid
- Hi loss assembly
- Flange 104mm
- Cutout 79.3mm
- Depth 41.7mm

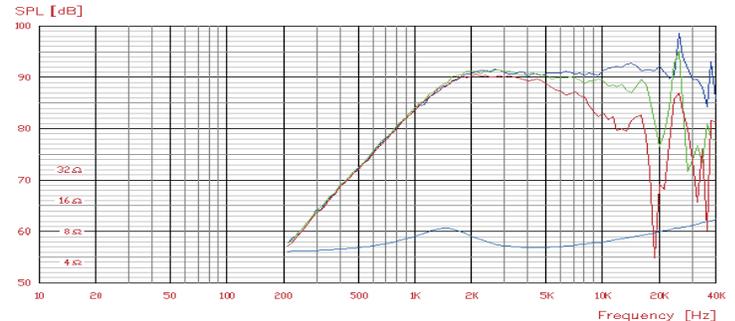
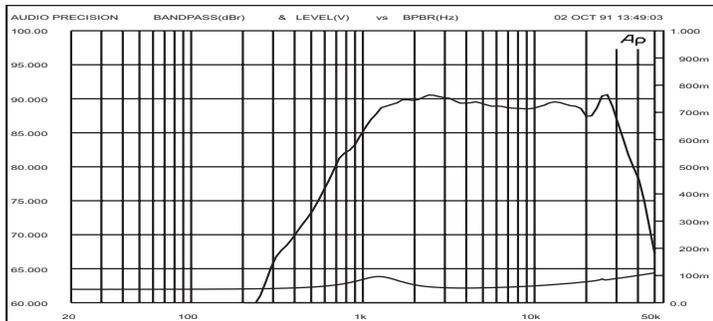
Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.95	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1400	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	91	dB
Mms	.3	g	Nom. Power DIN	80	W
Cms	-	mm/N	Magnet weight	432	g

## D25AG-05-06



- 1" dome tweeter
- Aluminum alloy diaphragm
- Magnetic fluid
- High loss assembly
- Piston movement to above 20kHz
- Flange 104mm
- Cut-out 74.3mm
- Depth 28mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	3.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1500	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	91	dB
Mms	.3	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	kg



## D25AG-35-06



- 1" dome tweeter
- Aluminum alloy diaphragm
- Magnetic fluid
- Double chamber
- Piston movement to above 20 hz
- Flange 104mm
- Cut-out 74.3mm
- Depth 40mm

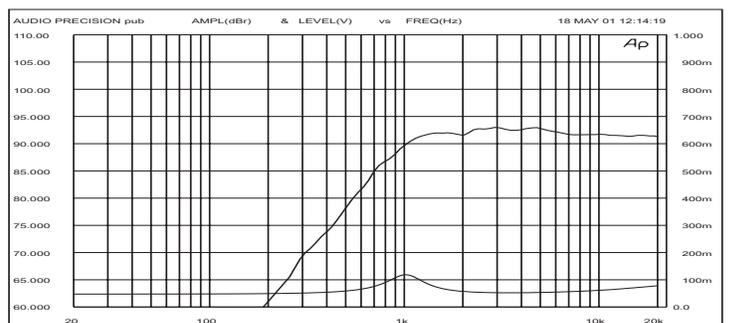
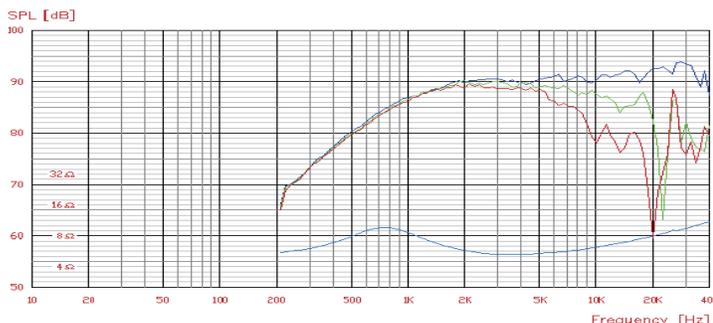
Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	3.3	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	850	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	90	dB
Mms	0.3	g	Nom. Power DIN	100	W
Cms	-	mm/N	Magnet weight	240	g

## D27SG-05-06



- 1" dome tweeter
- Shielded magnet
- Coated fabric with silk diaphragm
- Double magnet
- Linear response front plate, neutral design
- Flange 104mm
- Cut-out 79.3mm
- Depth 41.7mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	26	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	92	dB
Mms	.3	g	Nom. Power DIN	80	W
Cms	-	mm/N	Magnet weight	432	kg



## D27TG-05-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response front plate, neutral design
- Magnetic fluid
- Flange 104mm
- Cut-out 73.5mm
- Depth 31.5mm

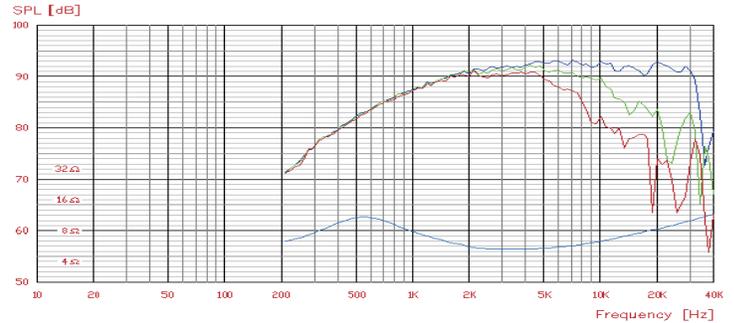
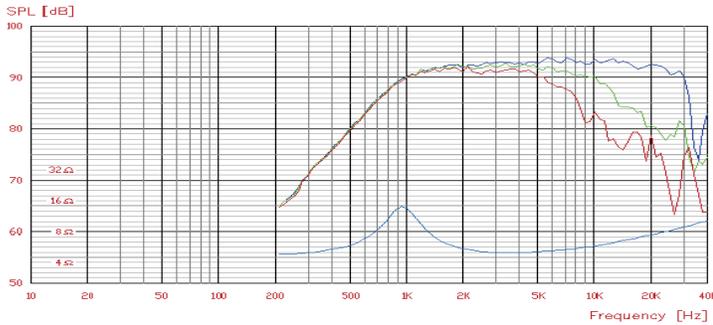
Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	2.15		VC Ø	26	mm
Qes	1.19		Sensitivity		
Qts	0.77		2.83V / 1m	92	dB
Mms	0.3	g	Nom. Power DIN 100		W
Cms	-	mm/N	Magnet weight	240	g

## D27TG-35-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response frontplate, neutral design
- Magnetic fluid
- Braids and rear chamber
- Flange 104mm
- Cut-out 73.5mm
- Depth 55mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	0.95		VC Ø	26	mm
Qes	0.77		Sensitivity		
Qts	0.43		2.83V / 1m	91	dB
Mms	.3	g	Nom. Power DIN 100		W
Cms	-	mm/N	Magnet weight	240	g



## D27SG-15-06



- 1" dome tweeter
- Shielded magnet
- Coated fabric with silk diaphragm
- Double magnet
- Linear response front plate, neutral design
- Flange 104mm
- Cut-out 79.3mm
- Depth 41.7mm

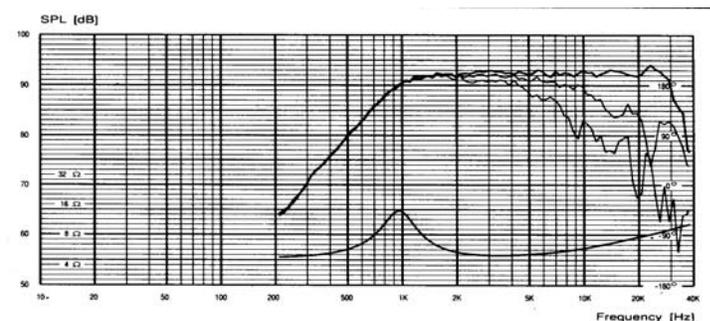
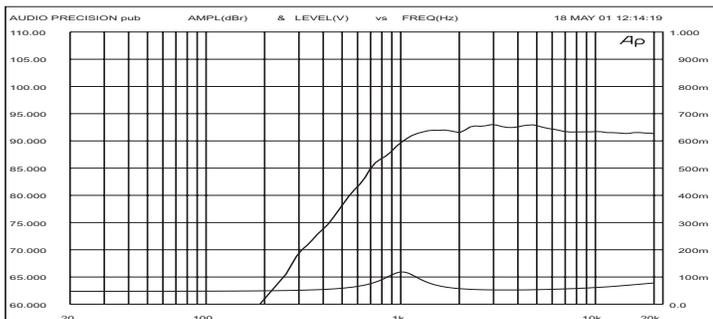
Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	26	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	92	dB
Mms	.3	g	Nom. Power DIN 80		W
Cms	-	mm/N	Magnet weight	432	kg

## D27TG-15-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response front plate
- Magnetic fluid
- Flange 104mm
- Cut-out 73.5mm
- Depth 31.5mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	2.15		VC Ø	26	mm
Qes	1.19		Sensitivity		
Qts	0.77		2.83V / 1m	92	dB
Mms	.3	g	Nom. Power DIN 100		W
Cms	-	mm/N	Magnet weight	240	g

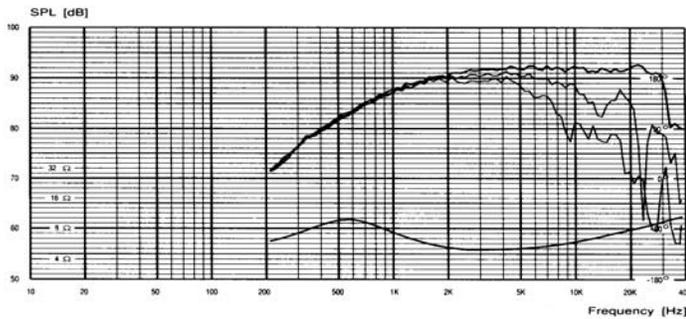


## D27TG-45-06



- 1" dome tweeter
- Coated fabric with silk diaphragm
- Linear response frontplate
- Magnetic fluid
- Braids and rear chamber
- Diameter 104mm
- Cut-out 73.5mm
- Depth 55mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	-	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	650	Hz	Xmax	-	mm peak
Qms	0.95		VC Ø	26	mm
Qes	0.77		Sensitivity		
Qts	0.43		2.83V / 1m	91	dB
Mms	.3	g	Nom. Power DIN 100		W
Cms	-	mm/N	Magnet weight	240	g

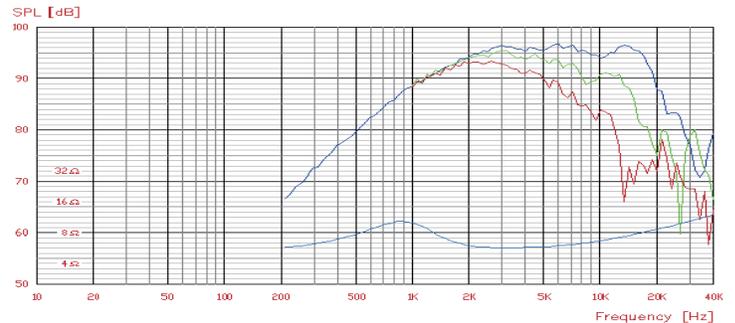


## H26TG-35-06



- 1" imp. transformer
- Chambered
- Fabric diaphragm
- Butterfly VC assembly
- Improved air load on diaphragm
- Magnetic fluid
- Flange 104mm
- Cut-out 73.5mm
- Depth 57.5mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	3.3	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	940	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	96	dB
Mms	.33	g	Nom. Power DIN 100		W
Cms	-	mm/N	Magnet weight	240	g

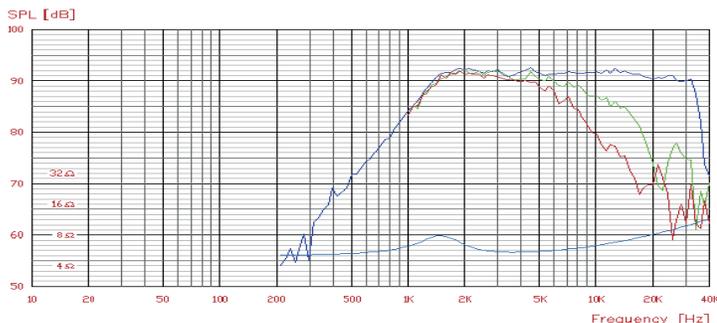


## D26NC-55-06



- 1" textile dome tweeter
- Neodymium magnet
- Heat sink for increased power handling and lower distortion
- Ferrofluid cooled
- Truncated face plate
- Flange 70mm (54Trun.)
- Cut-out 49.2mm
- Depth 23mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.5	Tm
Le@1kHz	0.05	mH	Vas	-	ltrs
fs	1500	Hz	Xmax	0.25	mm peak
Qms	1.48		VC Ø	25	mm
Qes	2.29		Sensitivity		
Qts	0.90		2.83V / 1m	91	dB
Mms	0.33	g	Nom. Power DIN 50		W
Cms	-	mm/N	Magnet weight	0.01	kg

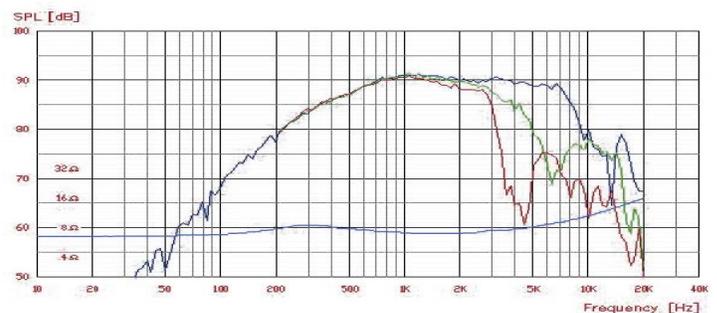


## D75MX-41-08



- 3" dome midrange
- Precoated fabric diaphragm
- Low moving mass
- Internal ferrite magnet
- Very linear impedance
- Flange 152mm
- Cutout 120.7mm
- Depth 31.5mm

Znom	8	ohm	Sd	55	cm <sup>2</sup>
Re	5.9	ohm	BL	4.7	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	350	Hz	Xmax	-	mm peak
Qms	-		VC Ø	76	mm
Qes	-		Sensitivity		
Qts	-		2.83V / 1m	92	dB
Mms	3.1	g	Nom. Power DIN 80		W
Cms	-	mm/N	Magnet weight	240	g

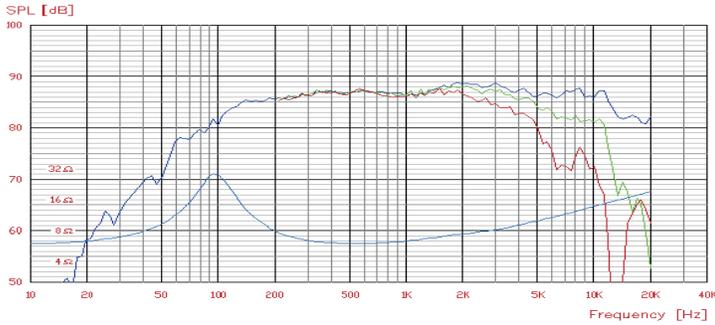


## M10MD39-08



- 4" midrange
- Magnesium basket
- Rubber surround- low resonance
- Double magnet
- Very smooth midrange
- Neutral reproduction
- Flange 104mm
- Cut-out 81.2mm
- Depth 49mm

Znom	8 ohm	Sd	62 cm <sup>2</sup>
Re	5.4 ohm	BL	4.0 Tm
Le@1kHz	0.12 mH	Vas	1.3 ltrs
fs	110 Hz	Xmax	0.65 mm peak
Qms	1.33	VC Ø	25 mm
Qes	0.61	Sensitivity	
Qts	0.42	2.83V / 1m	88 dB
Mms	5.0 g	Nom. Power DIN	80 W
Cms	0.68 mm/N	Magnet weight	210 g

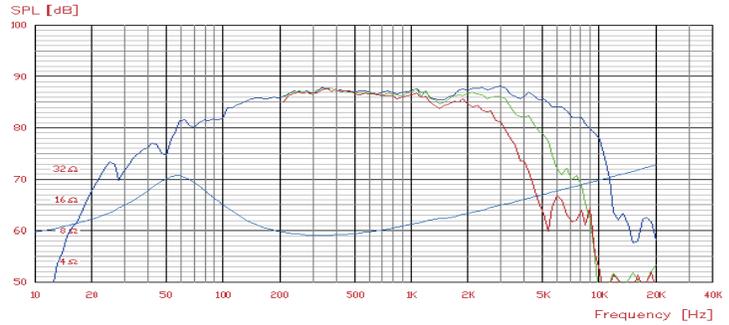


## P13MH-00-08



- 5" midrange
- Mineral filled polycone
- Low resonance
- Very low distortion
- Optimized off axis response
- Vented pole piece
- Flange 140mm
- Cut-out 112mm
- Depth 64.5mm

Znom	8 ohm	Sd	86 cm <sup>2</sup>
Re	5.8 ohm	BL	5.8 Tm
Le@1kHz	- mH	Vas	10 ltrs
fs	60 Hz	Xmax	1 mm peak
Qms	1.46	VC Ø	25 mm
Qes	.42	Sensitivity	
Qts	.33	2.83V / 1m	89.5 dB
Mms	6.5 g	Nom. Power DIN	100 W
Cms	- mm/N	Magnet weight	0.04 kg

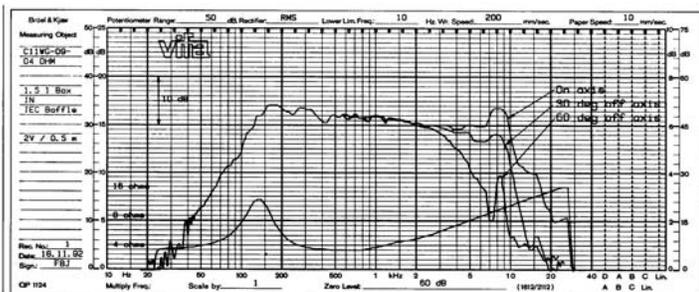


## C11WG-09-04



- 4.5" coated paper cone woofer
- Rubber surround
- Vented pole piece
- Stamped frame
- Flat response to 6kHz
- Vented VC former
- Flange 106.6mm sq
- Cut-out 92mm Ø
- Depth 54mm

Znom	4 ohm	Sd	55.0 cm <sup>2</sup>
Re	3.2 ohm	BL	3.8 Tm
Le@1kHz	0.4 mH	Vas	4.2 ltrs
fs	72 Hz	Xmax	2.00 mm peak
Qms	2.2	VC Ø	25 mm
Qes	0.49	Sensitivity	
Qts	0.40	2.83V / 1m	88 dB
Mms	4.9 g	Nom. Power DIN	30 W
Cms	- mm/N	Magnet weight	0.24 kg

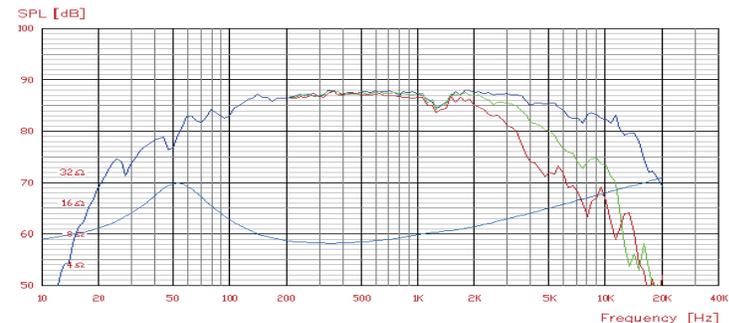


## M13SG-09-08



- 5" woofer
- Magnetically shielded
- Very smooth frequency response
- High damping rubber surround
- Good for bass reflex
- Flange 140mm
- Cut-out 112.3mm
- Depth 73.6mm

Znom	8 ohm	Sd	80 cm <sup>2</sup>
Re	5.6 ohm	BL	5.2 Tm
Le@1kHz	- mH	Vas	12 ltrs
fs	54 Hz	Xmax	2 mm peak
Qms	1.50	VC Ø	25 mm
Qes	0.46	Sensitivity	
Qts	0.35	2.83V / 1m	88 dB
Mms	6.5 g	Nom. Power DIN	35 W
Cms	- mm/N	Magnet weight	344 g



### P13WH-00-08



- 5" Mineral filled polycone
- Rubber surround
- Magnesium basket
- Smooth roll off
- Neutral midrange
- Vented pole piece
- Flange 140mm
- Cut-out 112.3mm
- Depth 64.5mm

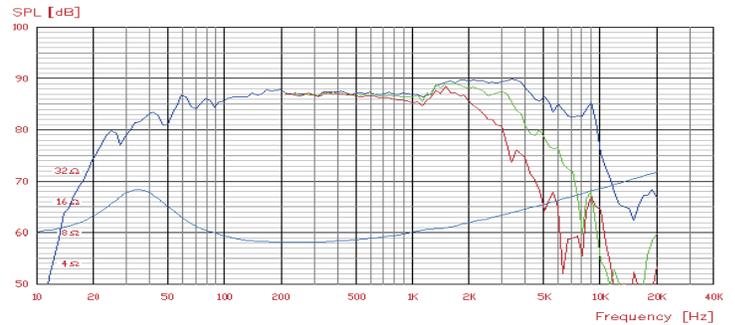
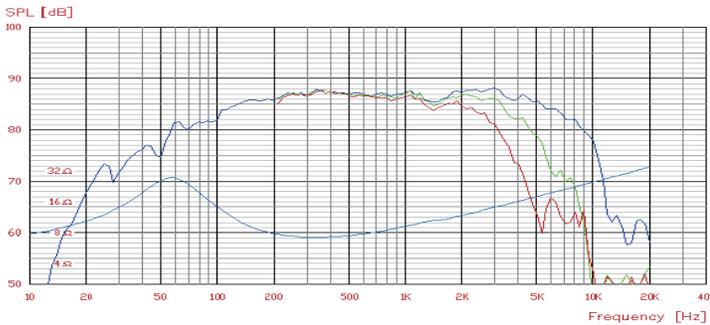
Znom	8 ohm	Sd	86 cm <sup>2</sup>
Re	5.7 ohm	BL	6.0 Tm
Le@1kHz	.7 mH	Vas	10 ltrs
fs	60 Hz	Xmax	4 mm peak
Qms	1.38	VC Ø	25 mm
Qes	0.43	Sensitivity	
Qts	0.33	2.83V / 1m	88 dB
Mms	7.5 g	Nom. Power DIN	40 W
Cms	- mm/N	Magnet weight	415 g

### M17SG-09-08



- 6-1/2" woofer
- Magnetically shielded
- Smooth response
- Rubber surround
- Good for bass reflex
- Vented through shielding cup
- Flange 170mm
- Cut-out 145.5mm
- Depth 85mm

Znom	8 ohm	Sd	137 cm <sup>2</sup>
Re	5.6 ohm	BL	5.3 Tm
Le@1kHz	.7 mH	Vas	53 ltrs
fs	34 Hz	Xmax	3 mm peak
Qms	1.36	VC Ø	25 mm
Qes	0.47	Sensitivity	
Qts	0.34	2.83V / 1m	89 dB
Mms	11 g	Nom. Power DIN	50 W
Cms	- mm/N	Magnet weight	344 g



### P17SJ-00-08



- 6-1/2" woofer
- Magnesium basket
- Mineral filled polycone
- Rubber surround
- Smooth response
- Magnetically shielded
- Flange 170mm
- Cut-out 145.8mm
- Depth 93.1mm

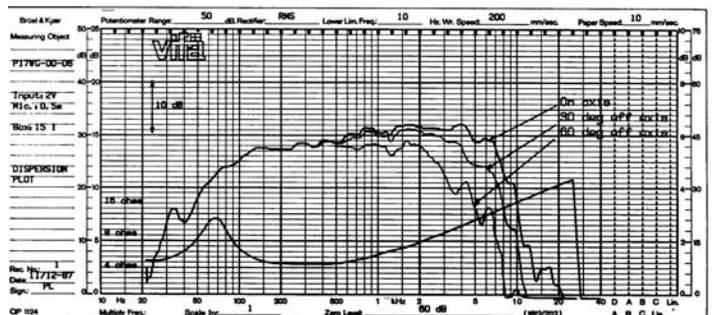
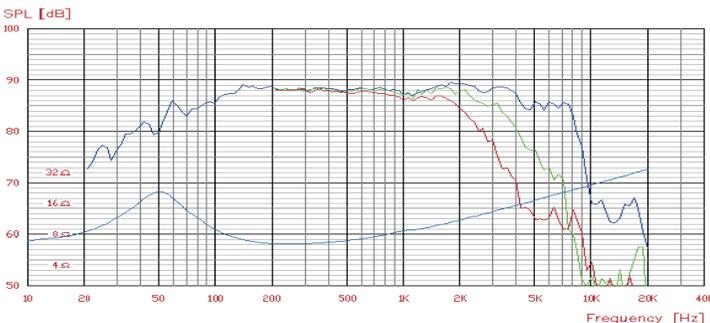
Znom	8 ohm	Sd	136 cm <sup>2</sup>
Re	5.6 ohm	BL	6 Tm
Le@1kHz	.84 mH	Vas	33 ltrs
fs	41 Hz	Xmax	4.5 mm peak
Qms	1.28	VC Ø	32 mm
Qes	0.48	Sensitivity	
Qts	0.35	2.83V / 1m	87/87 dB
Mms	12 g	Nom. Power DIN	20 W
Cms	- mm/N	Magnet weight	721 g

### P17WG-00-06



- 6.5" polypropylene cone woofer
- High damped rubber surround
- Decorative stamped frame
- Smooth response
- Flange 172mm
- Cut-out 142.5mm
- Depth 67.8mm

Znom	6 ohm	Sd	136.0 cm <sup>2</sup>
Re	4.0 ohm	BL	4.1 Tm
Le@1kHz	0.4 mH	Vas	49.4 ltrs
fs	35 Hz	Xmax	3.0 mm peak
Qms	1.34	VC Ø	25 mm
Qes	0.58	Sensitivity	
Qts	0.40	2.83V / 1m	87 dB
Mms	11.0 g	Nom. Power DIN	50 W
Cms	- mm/N	Magnet weight	0.24 kg



## P17WJ-00-08



- 6-1/2" woofer
- Magnesium basket
- Mineral filled polycone
- Rubber surround
- Smooth response
- Ideal for bass reflex
- Flange 170mm
- Cut-out 145.5mm
- Depth 75.1mm

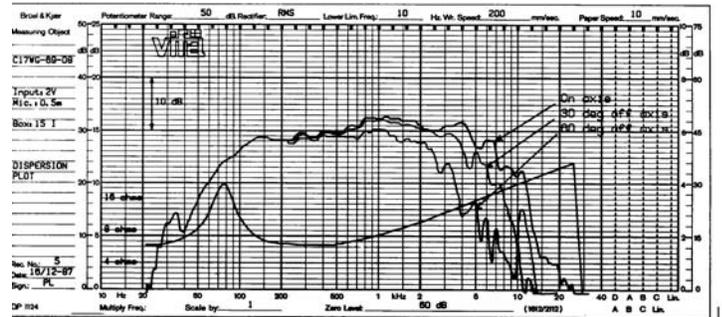
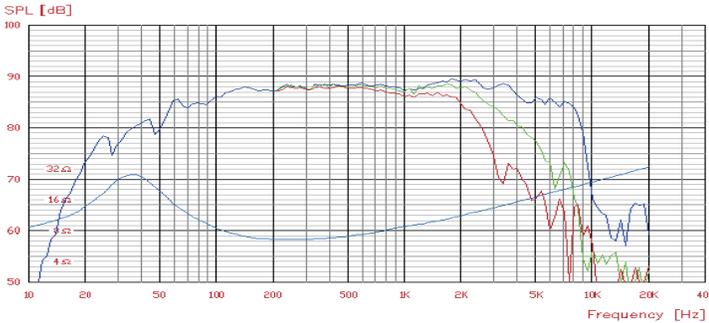
Znom	8 ohm	Sd	136 cm <sup>2</sup>
Re	5.8 ohm	BL	6.5 Tm
Le@1kHz	.55 mH	Vas	34.7 ltrs
fs	37 Hz	Xmax	4.5 mm peak
Qms	1.55	VC Ø	32 mm
Qes	0.45	Sensitivity	
Qts	0.35	2.83V / 1m	88 dB
Mms	14 g	Nom. Power DIN	70 W
Cms	- mm/N	Magnet weight	415 g

## C17WG-69-08



- 6-1/2" woofer
- Special black coated cone
- Smooth response
- Optimized for large signals
- Build in decor ring
- Flange 172mm
- Cut-out 142mm
- Depth 74.3mm

Znom	8 ohm	Sd	143 cm <sup>2</sup>
Re	5.6 ohm	BL	4.9 Tm
Le@1kHz	.7 mH	Vas	35.8 ltrs
fs	44 Hz	Xmax	3 mm peak
Qms	2.9	VC Ø	25 mm
Qes	0.68	Sensitivity	
Qts	0.55	2.83V / 1m	89 dB
Mms	10.6 g	Nom. Power DIN	50 W
Cms	- mm/N	Magnet weight	240 g



## M18WO-09-08



- 7" woofer
- Long stroke
- Magnesium basket
- Rubber surround
- Kapton former
- 24.6 oz. Magnet
- Ideal for bass reflex
- Flange 180mm
- Cut-out 145mm
- Depth 85mm

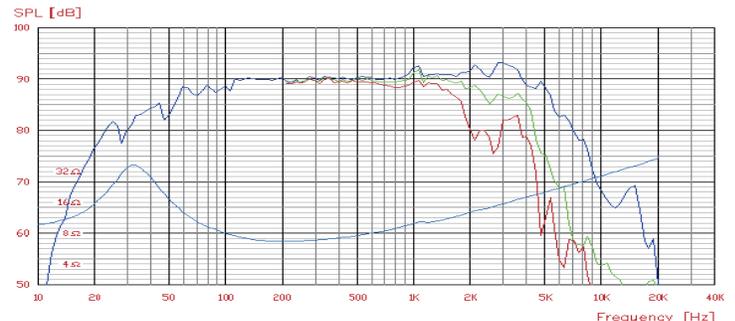
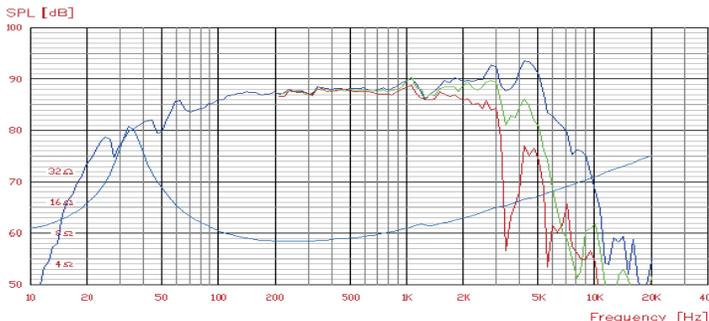
Znom	8 ohm	Sd	132 cm <sup>2</sup>
Re	5.7 ohm	BL	7.5 Tm
Le@1kHz	0.90 mH	Vas	28.5 ltrs
fs	35 Hz	Xmax	4 mm peak
Qms	6.70	VC Ø	40 mm
Qes	0.39	Sensitivity	
Qts	0.37	2.83V / 1m	87.5 dB
Mms	17.5 g	Nom. Power DIN	70 W
Cms	- mm/N	Magnet weight	698 g

## M21WO-39-08



- 8" woofer
- Coated paper cone
- Rubber surround
- Long throw
- Low distortion
- Flat response
- Ideal for bass reflex
- Flange 215.2mm
- Cut-out 186.5mm
- Depth 86mm

Znom	8 ohm	Sd	235 cm <sup>2</sup>
Re	5.5 ohm	BL	8.2 Tm
Le@1kHz	1.0 mH	Vas	105 ltrs
fs	28 Hz	Xmax	6 mm peak
Qms	1.97	VC Ø	40 mm
Qes	0.35	Sensitivity	
Qts	0.30	2.83V / 1m	90 dB
Mms	23 g	Nom. Power DIN	80 W
Cms	- mm/N	Magnet weight	698 g



## P21WO-20-08



- 8" woofer
- Magnesium basket
- Mineral filled poly cone
- Rubber surround
- Flat response
- Ideal for bass reflex
- Flange 215mm
- Cut-out 186.5mm
- Depth 80.4

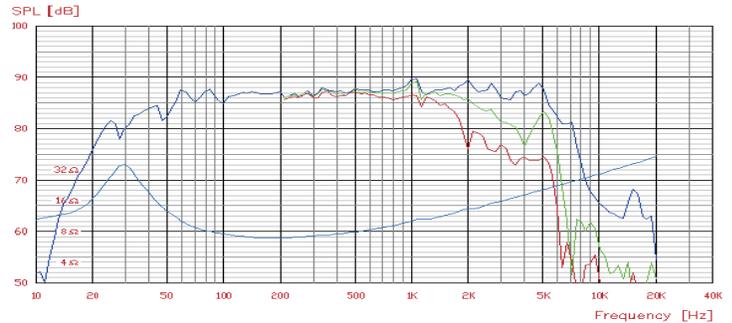
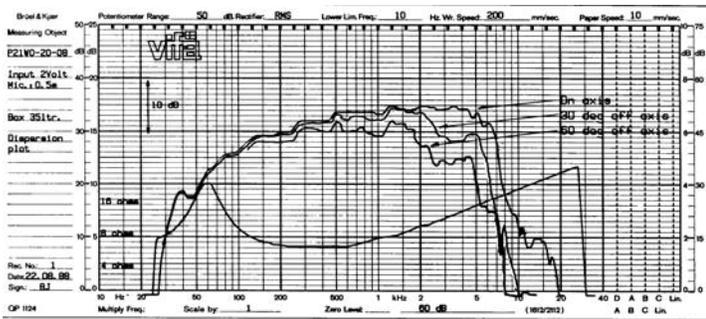
Znom	8 ohm	Sd	235 cm <sup>2</sup>
Re	5.7 ohm	BL	7.4 Tm
Le@1kHz	0.9 mH	Vas	113 ltrs
fs	28 Hz	Xmax	4 mm peak
Qms	1.6	VC Ø	40 mm
Qes	0.41	Sensitivity	
Qts	0.33	2.83V / 1m	91 dB
Mms	22.5 g	Nom. Power DIN	80 W
Cms	- mm/N	Magnet weight	698 g

## P21WO-39-08



- 8" Polypropylene cone woofer
- Rubber surround
- Cast magnesium frame
- Long throw / low distortion motor
- Good for vented boxes
- Flange 215.2mm
- Cut-out 186.5mm
- Depth 82.1mm

Znom	8 ohm	Sd	235.0 cm <sup>2</sup>
Re	5.5 ohm	BL	8.5 Tm
Le@1kHz	1.0 mH	Vas	85 ltrs
fs	26 Hz	Xmax	6.0 mm peak
Qms	2.38	VC Ø	40 mm
Qes	0.44	Sensitivity	
Qts	0.37	2.83V / 1m	88 dB
Mms	32.0 g	Nom. Power DIN	80 W
Cms	- mm/N	Magnet weight	0.7 kg



## M26WR-09-08



- 10" woofer
- Long stroke
- Magnesium basket
- Rubber surround
- Rigid conical paper cone
- 2" voice coil
- Ideal for bass reflex
- Flange 271mm
- Cut-out 231.2mm
- Depth 106.7mm

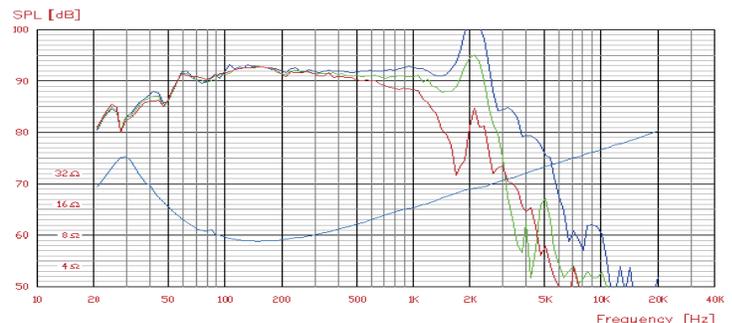
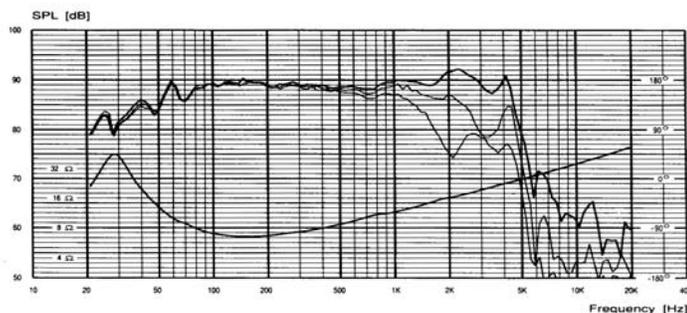
Znom	8 ohm	Sd	337 cm <sup>2</sup>
Re	5.8 ohm	BL	11 Tm
Le@1kHz	1.8 mH	Vas	130 ltrs
fs	26 Hz	Xmax	6.5 mm peak
Qms	2.82	VC Ø	50 mm
Qes	0.36	Sensitivity	
Qts	0.32	2.83V / 1m	88.5 dB
Mms	45 g	Nom. Power DIN	130 W
Cms	- mm/N	Magnet weight	1062 g

## M30WO-49-08



- 12" Coated paper cone woofer
- Rubber surround
- Magnesium cast frame
- Double magnet
- Intended for bass reflex enclosure
- Flange 308mm
- Cut-out 278.5mm
- Depth 135.4mm

Znom	8 ohm	Sd	513.0 cm <sup>2</sup>
Re	5.7 ohm	BL	12.7 Tm
Le@1kHz	2.1 mH	Vas	400 ltrs
fs	21 Hz	Xmax	4.0 mm peak
Qms	2.3	VC Ø	40 mm
Qes	0.25	Sensitivity	
Qts	0.23	2.83V / 1m	93 dB
Mms	53.0 g	Nom. Power DIN	100 W
Cms	- mm/N	Magnet weight	1.4 kg



## D25AC-05-06



- 1" aluminum dome autosound tweeter
- Metal grill
- Compact construction
- Butterfly VC assembly
- Magnetic fluid
- Neodymium magnet
- Flange 45mm
- Cut-out 45mm
- Depth 22mm

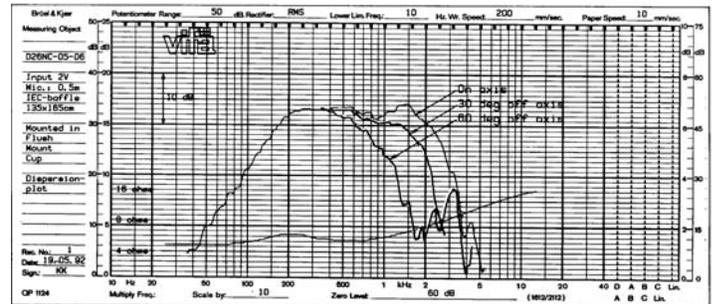
Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1700	Hz	Xmax	0.2	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-			2.83V / 1m	90.5 dB
Mms	0.3	g	Nom. Power DIN	30	W
Cms	-	mm/N	Magnet weight	0.01	kg

## D26NC-05-06



- 1" textile dome autosound tweeter
- Compact construction
- Butterfly VC assembly
- Magnetic fluid
- Metal grill
- Neodymium magnet
- Flange 45mm
- Cut-out 45mm
- Depth 22mm

Znom	6	ohm	Sd	7.1	cm <sup>2</sup>
Re	4.6	ohm	BL	2.5	Tm
Le@1kHz	-	mH	Vas	-	ltrs
fs	1800	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-			2.83V / 1m	91.5 dB
Mms	.27	g	Nom. Power DIN	30	W
Cms	-	mm/N	Magnet weight	11	g



## P13WH-10-04



- 5" autosound woofer
- Mineral filled polycone
- Rubber surround
- Smooth roll off
- Optimized off-axis response
- Neutral midrange
- Flange 140mm
- Cut-out 114.5mm
- Depth 64.5mm

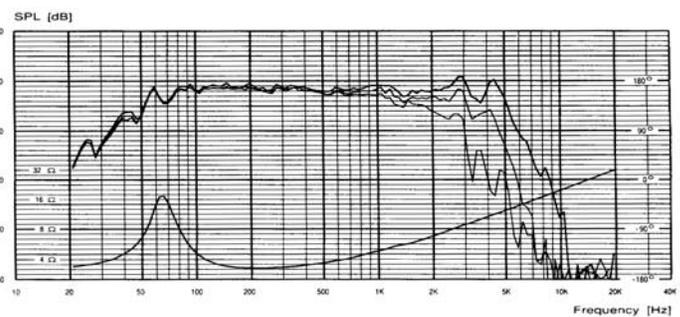
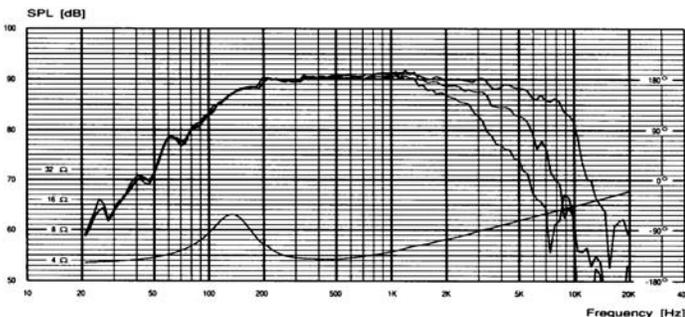
Znom	4	ohm	Sd	87	cm <sup>2</sup>
Re	3.0	ohm	BL	5	Tm
Le@1kHz	0.4	mH	Vas	5	ltrs
fs	80	Hz	Xmax	3	mm peak
Qms	2.35		VC Ø	25	mm
Qes	0.49		Sensitivity		
Qts	0.41			2.83V / 1m	87.5 dB
Mms	8	g	Nom. Power DIN	40	W
Cms	-	mm/N	Magnet weight	415	g

## M18WN-19-04



- 6-1/2" autosound woofer
- Long stroke
- Magnesium basket
- Rubber surround
- Moisture resistant rigid paper cone
- Kapton former
- Flange 180mm
- Cut-out 145mm
- Depth 83mm

Znom	4	ohm	Sd	132	cm <sup>2</sup>
Re	3.0	ohm	BL	4.8	Tm
Le@1kHz	0.6	mH	Vas	10	ltrs
fs	63	Hz	Xmax	4	mm peak
Qms	3.88		VC Ø	40	mm
Qes	0.80		Sensitivity		
Qts	0.66			2.83V / 1m	85 dB
Mms	15.5	g	Nom. Power DIN	110	W
Cms	-	mm/N	Magnet weight	415	g







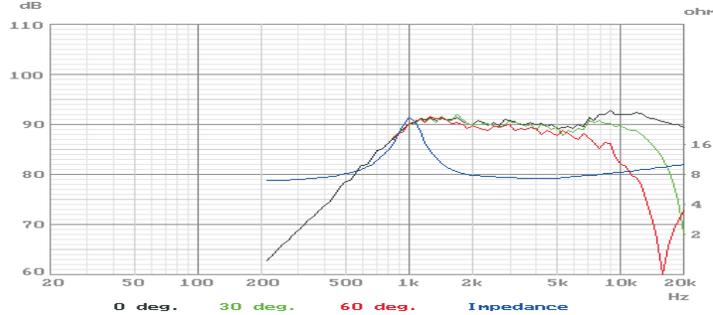
## 812687

## 1" Dome Tweeter



- 4" aluminum flange
- Textile dome
- Replaceable voice coil
- 1" voice coil
- 80mm cut out hole size
- 28mm depth
- Good off axis response

Znom	8	ohm	Sd	6.2	cm <sup>2</sup>
Re	6.8	ohm	BL	3.1	N/A
Le	0.1	mH	Vas	-	ltrs
fs	1010	Hz	Xmax	0.45	mm peak
Qms	4.79		Sensitivity		
Qes	1.35		2.83V / 1m	90.5	dB
Qts	1.05		Longterm Max		
Mms	0.30	g	System Power	130	W
Cms	0.08	mm/N	Magnet weight	0.24	kg



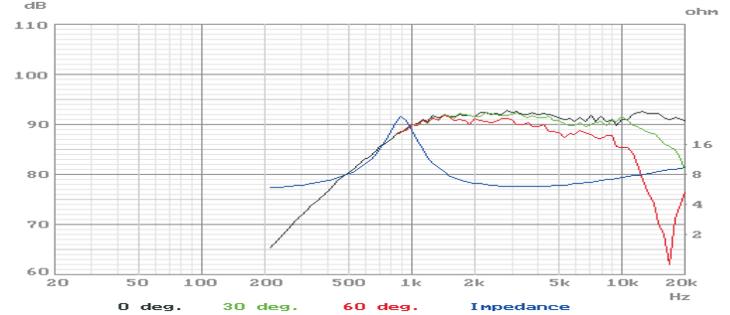
## 811815

## 1" Dome Tweeter



- 100mm "Wide Angle" flange for controlled directivity
- 1" textile dome
- Replaceable voice coil
- 79mm cut out
- 27.5mm depth
- Low resonance frequency

Znom	8	ohm	Sd	6.2	cm <sup>2</sup>
Re	5.5	ohm	BL	3.5	N/A
Le	0.1	mH	Vas	-	ltrs
fs	860	Hz	Xmax	0.35	mm peak
Qms	4.31		Sensitivity		
Qes	0.94		2.83V / 1m	92	dB
Qts	0.77		Longterm Max		
Mms	0.38	g	System Power	100	W
Cms	0.09	mm/N	Magnet weight	0.24	kg



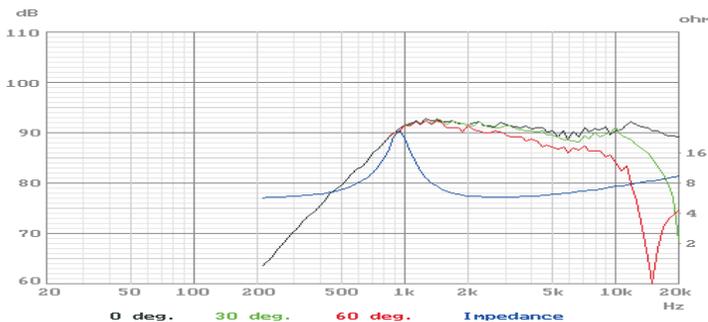
## 812978

## 1" Dome Tweeter



- **Shielded** magnet for use near TV
- 100mm "Wide Angle" constant directivity flange
- 1" textile dome
- Replaceable voice coil
- 71mm cut out
- 34.5mm depth

Znom	8	ohm	Sd	6.2	cm <sup>2</sup>
Re	5.4	ohm	BL	2.8	N/A
Le	0.1	mH	Vas	-	ltrs
fs	940	Hz	Xmax	0.35	mm peak
Qms	5.50		Sensitivity		
Qes	1.36		2.83V / 1m	91	dB
Qts	1.09		Longterm Max		
Mms	0.34	g	System Power	100	W
Cms	0.08	mm/N	Magnet weight	0.17	kg



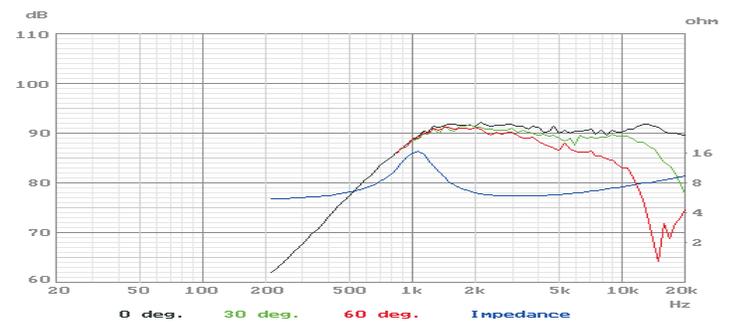
## 811830

## 1" Dome Tweeter



- 100mm "Wide Angle" flange for controlled directivity
- 1" textile dome
- Perforated voice coil
- Ferrofluid cooled
- Replaceable voice coil
- 79mm cut out
- 27.5mm depth

Znom	8	ohm	Sd	6.2	cm <sup>2</sup>
Re	5.3	ohm	BL	3.3	N/A
Le	0.1	mH	Vas	-	ltrs
fs	1059	Hz	Xmax	0.35	mm peak
Qms	2.42		Sensitivity		
Qes	1.14		2.83V / 1m	91.9	dB
Qts	0.78		Longterm Max		
Mms	0.35	g	System Power	130	W
Cms	0.06	mm/N	Magnet weight	0.17	kg



## 810665

## 1" Dome Tweeter



- 114.5mm x 80mm aluminum rectangular flange
- 1" textile dome
- Used in many classic speakers including several Polk systems
- 72mm cut out
- 23mm depth

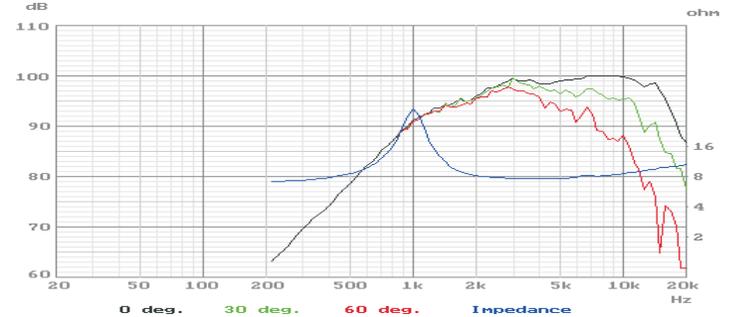
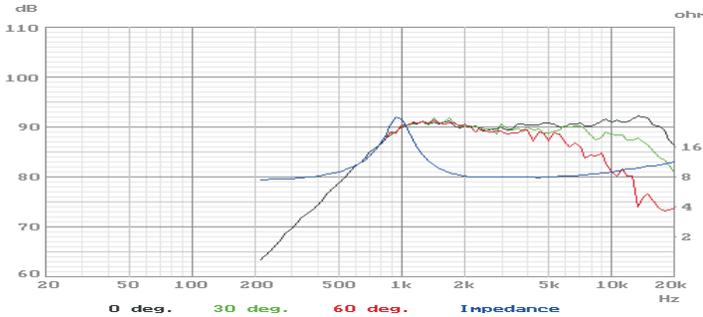
Znom	8	ohm	Sd	6.2	cm <sup>2</sup>
Re	6.8	ohm	BL	3.1	N/A
Le	0.1	mH	Vas	-	ltrs
fs	1056	Hz	Xmax	0.70	mm peak
Qms	4.16		Sensitivity		
Qes	1.13		2.83V / 1m	91.5	dB
Qts	0.89		Longterm Max		
Mms	0.24	g	System Power	80	W
Cms	0.10	mm/N	Magnet weight	0.24	kg

## 811647 4" Poly Cone Midrange



- 100mm Horn loaded flange with diffuser
- 1" textile dome
- High sensitivity
- Replaceable voice coil
- Smooth sound, not harsh
- 80mm cut out
- 46.5mm depth

Znom	8	ohm	Sd	0.09	cm <sup>2</sup>
Re	6.8	ohm	BL	3.3	N/A
Le	0.1	mH	Vas	-	ltrs
fs	1040	Hz	Xmax	0.45	mm peak
Qms	5.16		Sensitivity		
Qes	1.04		2.83V / 1m	99	dB
Qts	0.87		Longterm Max		
Mms	0.26	g	System Power	100	W
Cms	0.09	mm/N	Magnet weight	0.24	kg



## 821385 4" Paper Cone Midrange



- Chambered back
- 123mm squarish aluminum frame
- Foam surround and untreated paper cone
- Very smooth response and easy to cross over
- 105mm depth
- 106mm cut out

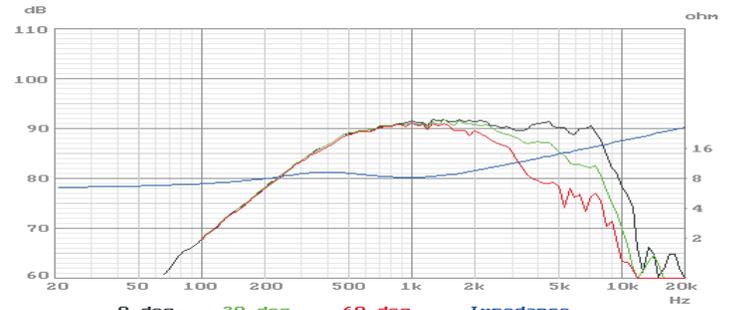
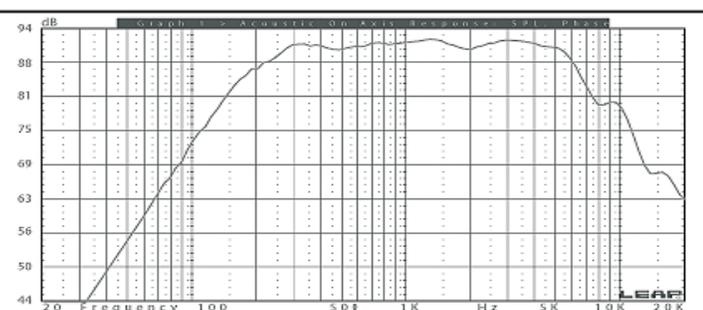
Znom	8	ohm	Sd	58.0	cm <sup>2</sup>
Re	7.1	ohm	BL	6.0	N/A
Le	0.5	mH	Vas	-	ltrs
fs	262	Hz	Xmax	0.35	mm peak
Qms	-		Sensitivity		
Qes	-		2.83V / 1m	91	dB
Qts	0.9		Longterm Max		
Mms	4.0	g	System Power	100	W
Cms	0.10	mm/N	Magnet weight	0.24	kg

## 821615 4" Poly Cone Midrange



- Chambered back
- 123mm squarish aluminum frame
- Integrated one piece poly cone and surround
- Ferrofluid cooled
- Smooth response
- 105mm depth
- 106mm cut out

Znom	8	ohm	Sd	72.0	cm <sup>2</sup>
Re	6.2	ohm	BL	7.4	N/A
Le	0.3	mH	Vas	-	ltrs
fs	530	Hz	Xmax	2.0	mm peak
Qms	1.07		Sensitivity		
Qes	2.16		2.83V / 1m	91	dB
Qts	0.72		Longterm Max		
Mms	5.73	g	System Power	180	W
Cms	0.02	mm/N	Magnet weight	0.24	kg



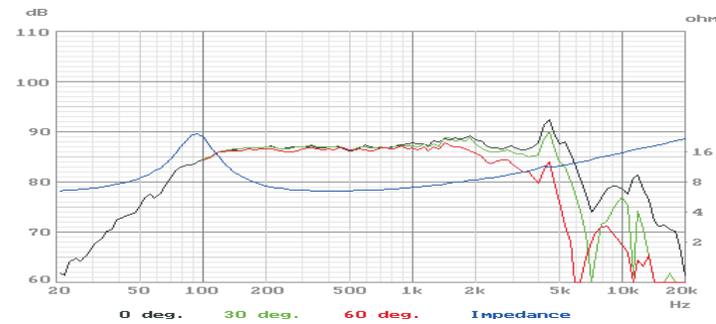
## 821575

## 4" Classic Midrange



- Poly cone
- Foam surround
- Stamped frame
- 22mm Ø Voice coil
- Open back midrange, requires chamber
- 114mm squarish flange
- 104.5mm Ø cut out
- 44.8mm depth

Znom	8	ohm	Sd	58.0	cm <sup>2</sup>
Re	5.6	ohm	BL	3.9	N/A
Le	0.5	mH	Vas	2.5	ltrs
fs	101.8	Hz	Xmax	1.15	mm peak
Qms	3.00		Sensitivity		
Qes	1.09		2.83V / 1m	85.0	dB
Qts	0.80		Longterm Max		
Mms	4.7	g	System Power	85	W
Cms	0.52	mm/N	Magnet weight	0.16	kg



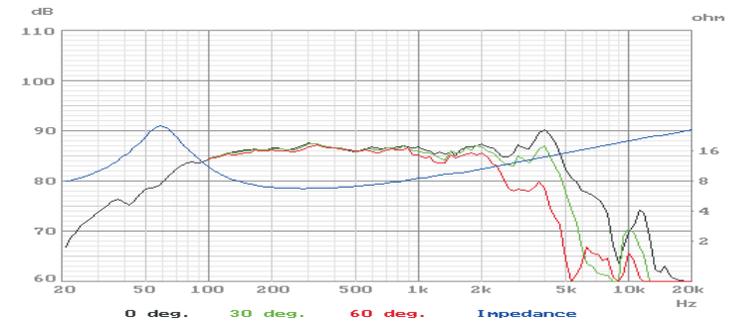
## 832592

## 5" Classic Woofer



- Poly cone
- Rubber surround
- Cast frame
- 26mm Ø Voice coil
- Low resonance frequency
- 131mm squarish frame
- 121mm Ø cut out
- Good woofer or mid

Znom	8	ohm	Sd	85.0	cm <sup>2</sup>
Re	6.1	ohm	BL	5.5	N/A
Le	1.1	mH	Vas	11.0	ltrs
fs	52.9	Hz	Xmax	2	mm peak
Qms	2.15		Sensitivity		
Qes	0.57		2.83V / 1m	86.9	dB
Qts	0.45		Longterm Max		
Mms	8.4	g	System Power	100	W
Cms	1.08	mm/N	Magnet weight	0.23	kg



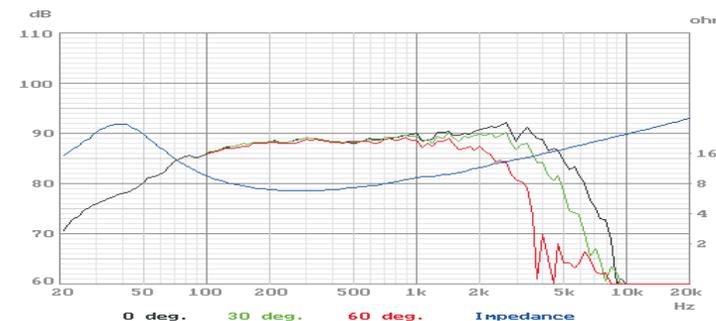
## 833599

## 6.5" Classic Woofer



- Poly cone
- Rubber surround
- Stamped frame
- 26mm Ø Voice coil
- Good for small vented box
- 165.5mm Ø frame
- 143.5mm Ø cut out
- 79mm depth

Znom	8	ohm	Sd	1.34	cm <sup>2</sup>
Re	6.3	ohm	BL	7.7	N/A
Le	1.2	mH	Vas	32.2	ltrs
fs	35.0	Hz	Xmax	4	mm peak
Qms	1.60		Sensitivity		
Qes	0.36		2.83V / 1m	88.0	dB
Qts	0.29		Longterm Max		
Mms	15.4	g	System Power	150	W
Cms	1.34	mm/N	Magnet weight	0.54	kg



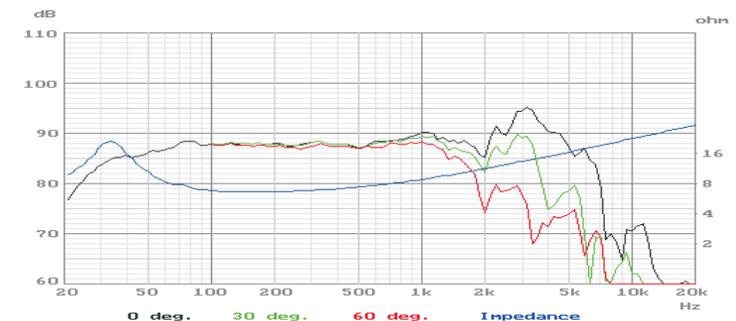
## 831510

## 8" Classic Woofer



- Poly cone
- Foam surround
- Stamped frame
- 26mm Ø Voice coil
- Intended for sealed box
- 210.5mm Ø flange
- 183mm Ø cut out
- 87mm depth

Znom	8	ohm	Sd	225.0	cm <sup>2</sup>
Re	6.0	ohm	BL	4.9	N/A
Le	1.4	mH	Vas	66.6	ltrs
fs	36.0	Hz	Xmax	3.5	mm peak
Qms	3.18		Sensitivity		
Qes	1.18		2.83V / 1m	86.5	dB
Qts	0.86		Longterm Max		
Mms	21.0	g	System Power	100	W
Cms	0.93	mm/N	Magnet weight	0.23	kg



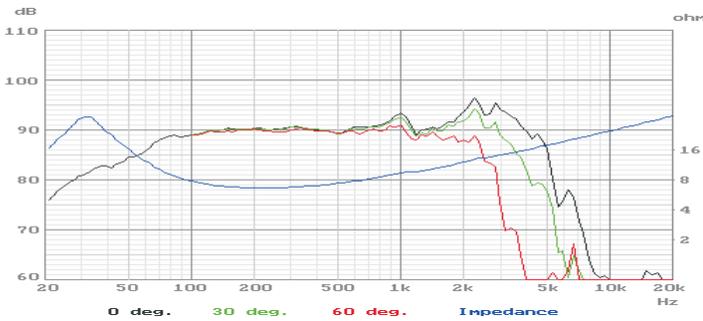
### 832556

### 8" Classic Woofer



- Poly cone
- Foam surround
- 33mm Ø Voice coil
- Intended for either a sealed or vented box
- 210.5mm Ø frame
- 184.5mm Ø cutout
- 88mm depth

Znom	8	ohm	Sd	225.0	cm <sup>2</sup>
Re	6.1	ohm	BL	7.7	N/A
Le	1.6	mH	Vas	82.4	ltrs
fs	30.9	Hz	Xmax	4	mm peak
Qms	2.40		Sensitivity		
Qes	0.47		2.83V / 1m	89.7	dB
Qts	0.39		Longterm Max		
Mms	23.1	g	System Power	150	W
Cms	1.15	mm/N	Magnet weight	0.54	kg



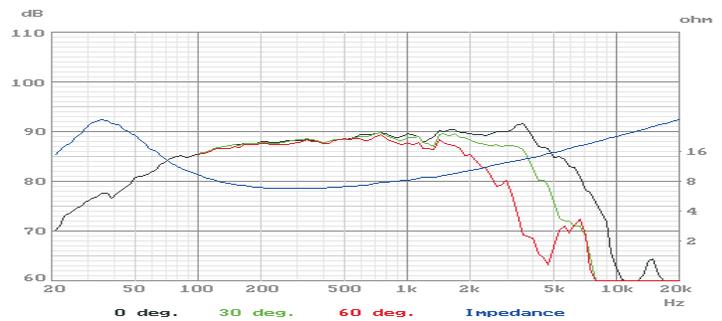
### 832732

### 7" CC Woofer



- Poly cone
- Rubber surround
- Stamped frame
- 33mm Ø voice coil
- Aluminum shorting ring for flatter inductance
- 180.5mm Ø flange
- 145mm cut out
- 80mm depth

Znom	8	ohm	Sd	130.0	cm <sup>2</sup>
Re	6.1	ohm	BL	7.5	N/A
Le	0.9	mH	Vas	32.9	ltrs
fs	34.1	Hz	Xmax	5.5	mm peak
Qms	1.69		Sensitivity		
Qes	0.36		2.83V / 1m	87.9	dB
Qts	0.30		Longterm Max		
Mms	15.8	g	System Power	150	W
Cms	1.38	mm/N	Magnet weight	0.54	kg



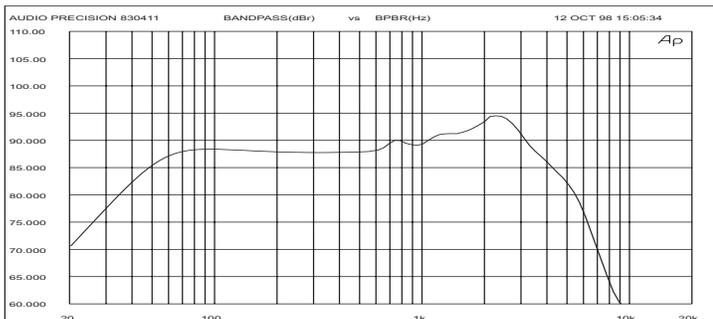
### 830411

### 8" CC Woofer



- Poly cone
- Rubber surround
- Stamped frame
- 33mm Ø voice coil
- Aluminum shorting ring
- Good for sealed box
- 220.5mm Ø flange
- 184mm Ø cut out
- 89mm depth

Znom	8	ohm	Sd	235	cm <sup>2</sup>
Re	5.5	ohm	BL	6.8	N/A
Le	2.4	mH	Vas	57.8	ltrs
fs	35.4	Hz	Xmax	5.5	mm peak
Qms	2.47		Sensitivity		
Qes	0.70		2.83V / 1m	88.3	dB
Qts	0.55		Longterm Max		
Mms	26.7	g	System Power	120	W
Cms	0.76	mm/N	Magnet weight	0.23	kg



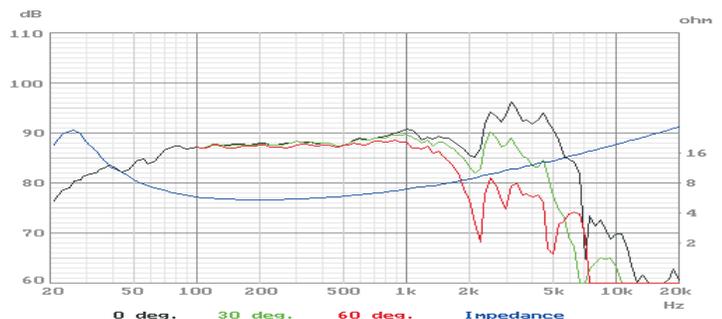
### 831709

### 8" CC Woofer



- Poly cone
- Rubber surround
- Stamped frame
- 33mm Ø voice coil
- For sealed or vented systems
- 220.5mm Ø flange
- 184mm Ø cut out
- 89mm depth

Znom	8	ohm	Sd	225	cm <sup>2</sup>
Re	5.0	ohm	BL	86.9	N/A
Le	1.2	mH	Vas	86.9	ltrs
fs	24.3	Hz	Xmax	5.5	mm peak
Qms	2.72		Sensitivity		
Qes	0.56		2.83V / 1m	86.9	dB
Qts	0.46		Longterm Max		
Mms	35.4	g	System Power	150	W
Cms	1.21	mm/N	Magnet weight	0.54	kg



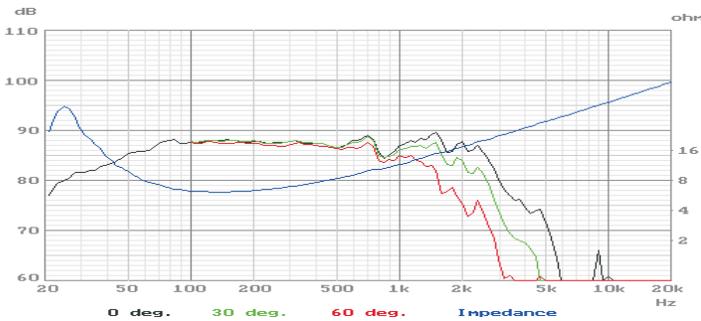
## 831727

## 10" CC Woofer



- Poly cone
- Rubber surround
- Stamped frame
- 39mm Ø voice coil
- Great for small subwoofer
- 260.5mm Ø flange
- 221mm Ø cut out
- 103mm depth

Znom	8	ohm	Sd	310.0	cm <sup>2</sup>
Re	5.4	ohm	BL	10.0	N/A
Le	3.3	mH	Vas	136.2	ltrs
fs	21.5	Hz	Xmax	9	mm peak
Qms	2.73		Sensitivity		
Qes	0.40		2.83V / 1m	87.8	dB
Qts	0.35		Longterm Max		
Mms	54.8	g	System Power	220	W
Cms	1.00	mm/N	Magnet weight	0.87	kg



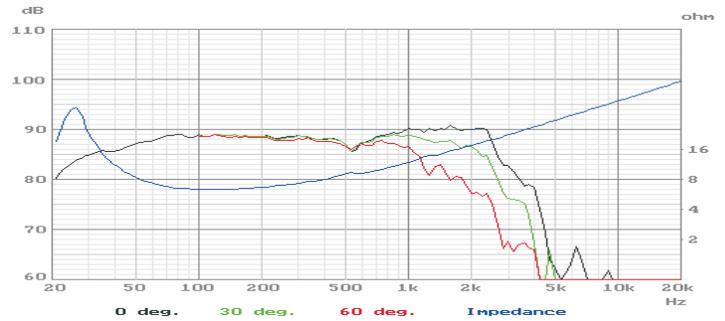
## 831857

## 12" CC Woofer



- Poly cone
- Rubber surround
- Stamped frame
- 39mm Ø voice coil
- Good for sealed or vented boxes
- 315mm Ø frame
- 280mm Ø cut out
- 112mm depth

Znom	8	ohm	Sd	520.0	cm <sup>2</sup>
Re	5.5	ohm	BL	11.6	N/A
Le	2.8	mH	Vas	210.0	ltrs
fs	22.9	Hz	Xmax	9	mm peak
Qms	3.90		Sensitivity		
Qes	0.52		2.83V / 1m	89.3	dB
Qts	0.46		Longterm Max		
Mms	88.2	g	System Power	220	W
Cms	0.55	mm/N	Magnet weight	1.28	kg



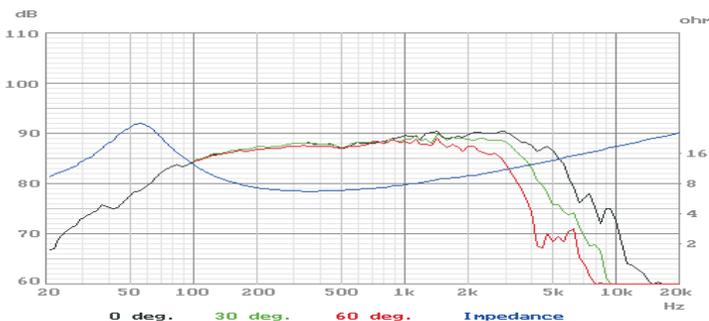
## 850108

## 5.5" CSC-X Woofer



- Poly "Sandwich" cone
- Rubber surround
- Stamped frame
- Short circuiting ring
- 26mm Ø voice coil
- Good sealed or vented
- 145mm Ø flange
- 117mm Ø cut out
- 63.5mm depth

Znom	8	ohm	Sd	91	cm <sup>2</sup>
Re	6.1	ohm	BL	6.6	N/A
Le	0.9	mH	Vas	12.5	ltrs
fs	47.1	Hz	Xmax	4.5	mm peak
Qms	1.82		Sensitivity		
Qes	0.43		2.83V / 1m	87.5	dB
Qts	0.35		Longterm Max		
Mms	10.4	g	System Power	110	W
Cms	1.09	mm/N	Magnet weight	0.4	kg



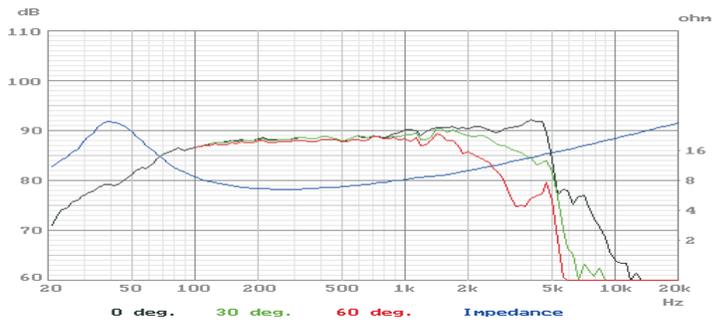
## 850122

## 7" CSC-X Woofer



- Poly "Sandwich" cone
- Rubber surround
- Stamped frame
- Short circuiting ring
- 33mm Ø voice coil
- Good sealed or vented
- 176mm Ø flange
- 142mm Ø cut out
- 102mm depth

Znom	8	ohm	Sd	143	cm <sup>2</sup>
Re	6.1	ohm	BL	7.0	N/A
Le	1.3	mH	Vas	27.7	ltrs
fs	36.8	Hz	Xmax	5.5	mm peak
Qms	2.29		Sensitivity		
Qes	0.55		2.83V / 1m	86.5	dB
Qts	0.44		Longterm Max		
Mms	19.0	g	System Power	150	W
Cms	0.99	mm/N	Magnet weight	0.54	kg



## 850136

## 8" CSC-X Woofer



- Poly "Sandwich" cone
- Rubber surround
- Stamped frame
- Short circuiting ring
- 33mm Ø voice coil
- Good for vented box
- 217mm Ø flange
- 184mm Ø cut out
- 91mm depth

Znom	8	ohm	Sd	235	cm <sup>2</sup>
Re	5.9	ohm	BL	10.4	N/A
Le	2.6	mH	Vas	79.7	ltrs
fs	27.4	Hz	Xmax	4	mm peak
Qms	3.61		Sensitivity		
Qes	0.30		2.83V / 1m	89.5	dB
Qts	0.28		Longterm Max		
Mms	32.4	g	System Power	150	W
Cms	1.04	mm/N	Magnet weight	0.68	kg

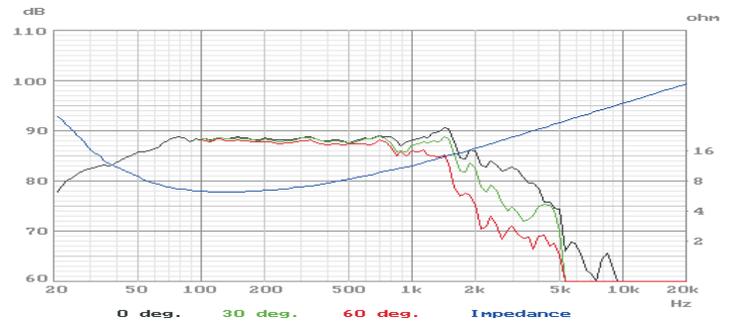
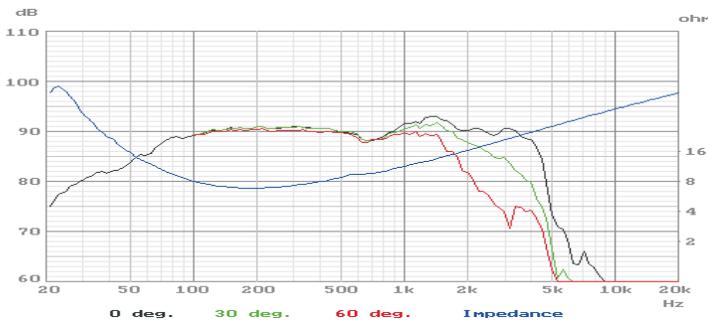
## 850146

## 10" CSC-X Woofer



- Poly "Sandwich" cone
- Rubber surround
- Stamped frame
- Short circuiting ring
- 39mm Ø voice coil
- Good for vented box
- 257mm Ø flange
- 220mm Ø cut out
- 99.6mm depth

Znom	8	ohm	Sd	330	cm <sup>2</sup>
Re	5.5	ohm	BL	10.0	N/A
Le	2.9	mH	Vas	144.4	ltrs
fs	21.9	Hz	Xmax	9	mm peak
Qms	2.64		Sensitivity		
Qes	0.42		2.83V / 1m	88.2	dB
Qts	0.36		Longterm Max		
Mms	55.1	g	System Power	200	W
Cms	0.96	mm/N	Magnet weight	0.87	kg



## 850488

## 5.5" HDS Woofer



- Poly "Sandwich" cone
- Rubber surround
- Truncated cast frame with raised spider
- 26mm Ø voice coil
- Good sealed or vented
- 152mm Ø flange, 134 T
- 120mm Ø cut out
- 60mm depth

Znom	8	ohm	Sd	91	cm <sup>2</sup>
Re	5.7	ohm	BL	7.4	N/A
Le	1.0	mH	Vas	7.6	ltrs
fs	59.9	Hz	Xmax	4	mm peak
Qms	2.11		Sensitivity		
Qes	0.42		2.83V / 1m	89.2	dB
Qts	0.35		Longterm Max		
Mms	10.6	g	System Power	100	W
Cms	0.67	mm/N	Magnet weight	0.4	kg

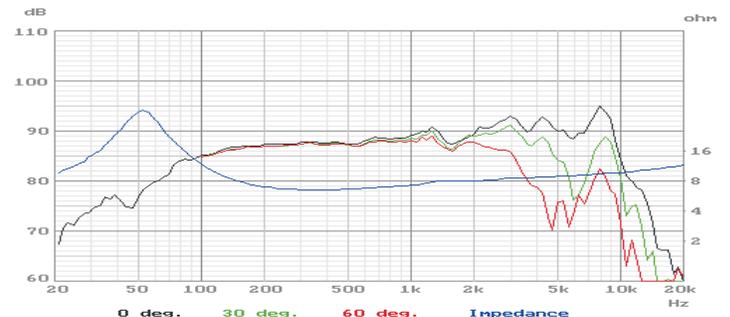
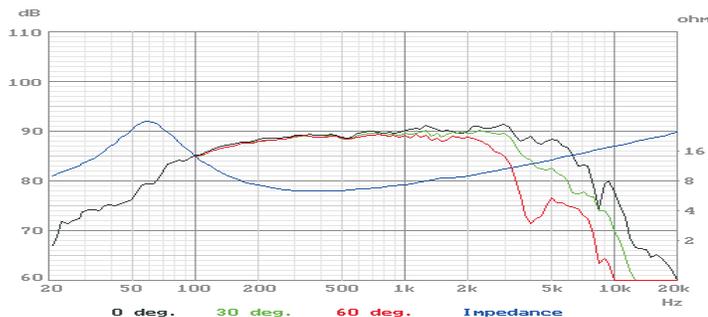
## 850489

## 5.5" HDS Woofer



- Poly "Sandwich" cone
- Rubber surround
- Truncated cast frame with raised spider
- Phase plug
- 26mm Ø voice coil
- 152mm Ø flange, 134 T
- 120mm Ø cut out
- 60mm depth

Znom	8	ohm	Sd	86	cm <sup>2</sup>
Re	5.8	ohm	BL	6.8	N/A
Le	1.0	mH	Vas	8.8	ltrs
fs	52.2	Hz	Xmax	3.5	mm peak
Qms	2.88		Sensitivity		
Qes	0.45		2.83V / 1m	87.9	dB
Qts	0.39		Longterm Max		
Mms	10.8	g	System Power	100	W
Cms	0.86	mm/N	Magnet weight	0.4	kg



## 850439

## 6.5" HDS Woofer



- Poly "Sandwich" cone
- Rubber surround
- Truncated cast frame with raised spider
- 33mm Ø voice coil
- Good for vented box
- 182mm Ø flange, 164 T
- 145mm Ø cut out
- 78mm depth

Znom	8	ohm	Sd	143	cm <sup>2</sup>
Re	6.2	ohm	BL	8.9	N/A
Le	1.3	mH	Vas	18.7	ltrs
fs	43.6	Hz	Xmax	5.5	mm peak
Qms	2.35		Sensitivity		
Qes	0.43		2.83V / 1m	87.6	dB
Qts	0.36		Longterm Max		
Mms	20.1	g	System Power	150	W
Cms	0.66	mm/N	Magnet weight	0.68	kg

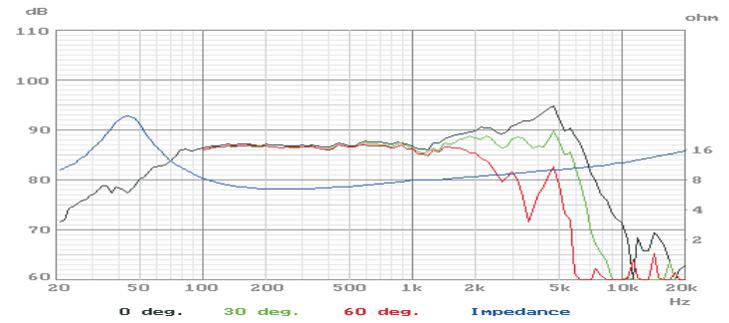
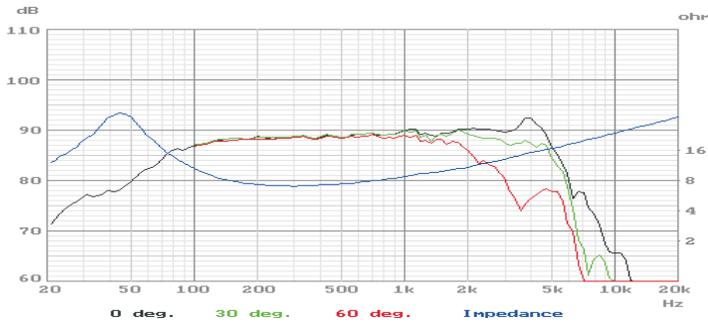
## 850467

## 6.5" HDS Woofer



- Poly "Sandwich" cone
- Rubber surround
- Truncated cast frame with raised spider
- 33mm Ø voice coil
- Phase Plug
- 182mm Ø flange, 164 T
- 145mm Ø cut out
- 78mm depth

Znom	8	ohm	Sd	134	cm <sup>2</sup>
Re	5.7	ohm	BL	8.0	N/A
Le	1.2	mH	Vas	14.8	ltrs
fs	45.4	Hz	Xmax	5.5	mm peak
Qms	2.89		Sensitivity		
Qes	0.53		2.83V / 1m	87.3	dB
Qts	0.45		Longterm Max		
Mms	20.6	g	System Power	150	W
Cms	0.60	mm/N	Magnet weight	0.68	kg



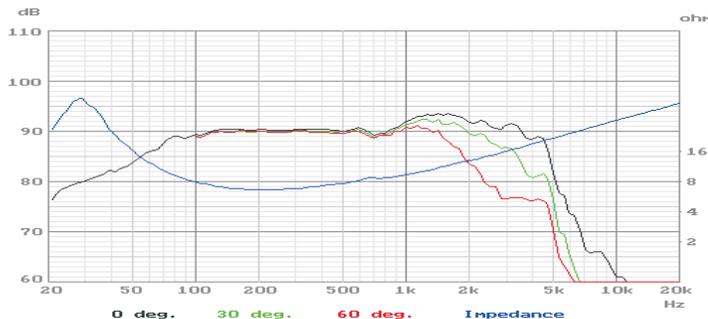
## 850490

## 8" HDS Woofer



- Poly "Sandwich" cone
- Rubber surround
- Truncated cast frame with raised spider
- 33mm Ø voice coil
- Good for 2-way, smooth
- 225mm Ø flange, 205 T
- 190mm Ø cut out
- 90mm depth

Znom	8	ohm	Sd	235	cm <sup>2</sup>
Re	5.7	ohm	BL	9.9	N/A
Le	1.8	mH	Vas	76.7	ltrs
fs	29.1	Hz	Xmax	5.5	mm peak
Qms	3.13		Sensitivity		
Qes	0.31		2.83V / 1m	91.2	dB
Qts	0.29		Longterm Max		
Mms	29.8	g	System Power	150	W
Cms	1.01	mm/N	Magnet weight	0.68	kg



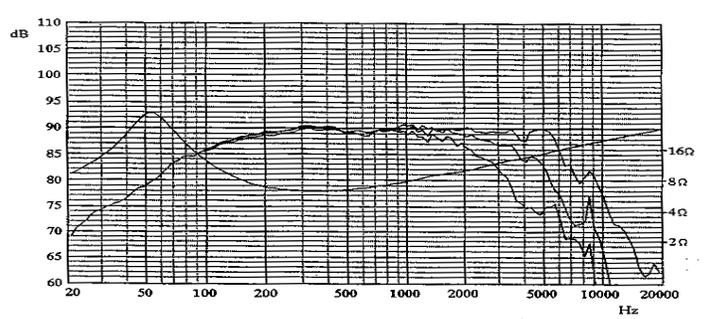
## 830377

## 5" NOMEX Woofer



- Nomex fiber/Paper cone
- Composite plastic frame
- Rubber surround
- Shielded magnet
- 26mm Ø voice coil
- Very flat response
- 140mm squarish frame
- 132mm Ø cut out
- 73mm depth

Znom	8	ohm	Sd	91	cm <sup>2</sup>
Re	5.7	ohm	BL	6.4	N/A
Le	1.1	mH	Vas	11.6	ltrs
fs	54.4	Hz	Xmax	2	mm peak
Qms	2.29		Sensitivity		
Qes	0.40		2.83V / 1m	89.3	dB
Qts	0.34		Longterm Max		
Mms	8.5	g	System Power	100	W
Cms	1.01	mm/N	Magnet weight	0.33	kg



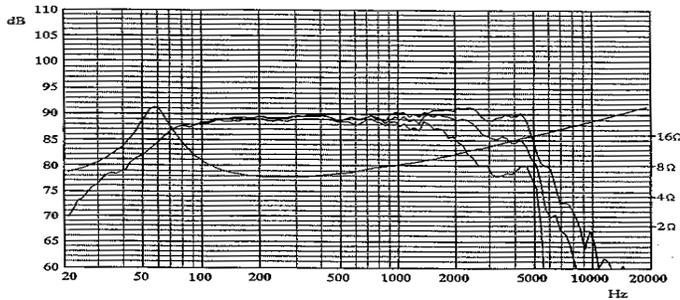
## 830378

## 6.5" NOMEX Woofer



- Nomex fiber/Paper cone
- Composite plastic frame
- Rubber surround
- Shielded magnet
- 26mm Ø voice coil
- Very flat response
- 173mm squarish frame
- 163mm Ø cut out
- 82mm depth

Znom	8	ohm	Sd	143	cm <sup>2</sup>
Re	5.7	ohm	BL	6.2	N/A
Le	1.1	mH	Vas	15.1	ltrs
fs	57.4	Hz	Xmax	4	mm peak
Qms	3.44		Sensitivity		
Qes	0.76		2.83V / 1m	88.6	dB
Qts	0.62		Longterm Max		
Mms	14.4	g	System Power	100	W
Cms	0.54	mm/N	Magnet weight	0.39	kg



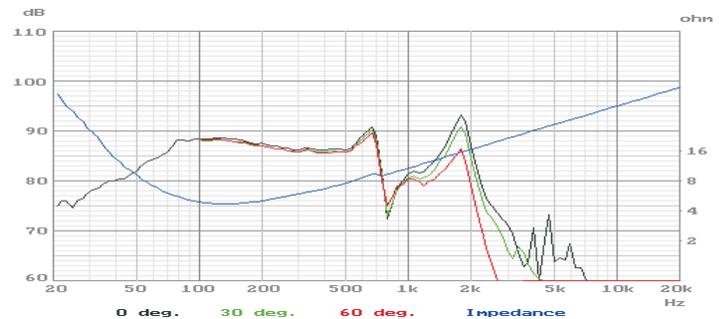
## 830452

## 10" XLS Woofer



- Extra Long Stroke Sub
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Works well with passive
- 51mm Ø voice coil
- 269.3mm Ø flange
- 240mm Ø cut out
- 107mm depth

Znom	8	ohm	Sd	333	cm <sup>2</sup>
Re	3.4	ohm	BL	17.5	N/A
Le	4.3	mH	Vas	80.2	ltrs
fs	18.6	Hz	Xmax	12.5	mm peak
Qms	2.66		Sensitivity		
Qes	0.18		2.83V / 1m	88.4	dB
Qts	0.17		Longterm Max		
Mms	139.3	g	System Power	200	W
Cms	0.52	mm/N	Magnet weight	2.42	kg



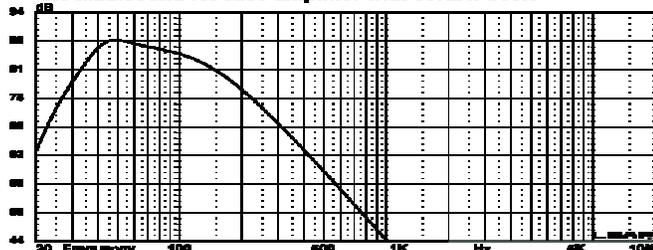
## 830481 10" XLS 400g Passive



- Extra Long Stroke Passive Radiator
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Threaded M5 bolt hole for adding weight
- 269.3mm Ø flange
- 240mm Ø cut out

Znom		ohm	Sd	333	cm <sup>2</sup>
Re		ohm	BL		N/A
Le		mH	Vas	80	ltrs
fs	11.2	Hz	Xmax	22	mm peak
Qms	14		Sensitivity		
Qes			2.83V / 1m		dB
Qts			Longterm Max		
Mms	400	g	System Power		W
Cms	0.508	mm/N	Magnet weight		kg

One Peerless 830482 10" XLS woofer in 1.0 cubic foot box with two Peerless 830481 10" XLS 400g passive radiators and the Madisound KG5230 amplifier with 80Hz x-over.



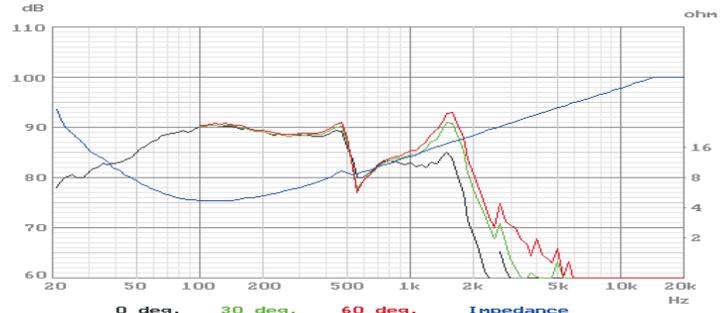
## 830500

## 12" XLS Woofer



- Extra Long Stroke Sub
- Thick Nomex fiber cone
- Cast frame
- Works well with passive
- Threaded M5 bolt hole
- 51mm Ø voice coil
- 308mm Ø flange
- 278mm Ø cut out
- 126mm depth

Znom	8	ohm	Sd	462	cm <sup>2</sup>
Re	3.5	ohm	BL	17.6	N/A
Le	4.2	mH	Vas	136.8	ltrs
fs	17.8	Hz	Xmax	12.5	mm peak
Qms	3.76		Sensitivity		
Qes	0.22		2.83V / 1m	90.6	dB
Qts	0.21		Longterm Max		
Mms	172.3	g	System Power	250	W
Cms	0.46	mm/N	Magnet weight	2.42	kg



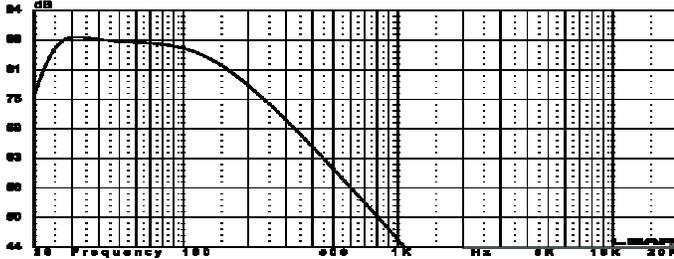
## 830548 12" XLS 425g Passive



- Extra Long Stroke Passive Radiator
- Thick Nomex fiber cone
- Cast frame
- Big roll rubber surround
- Threaded M5 bolt hole for adding weight
- 308mm Ø flange
- 278mm Ø cut out

Znom	ohm	Sd	466	cm <sup>2</sup>
Re	ohm	BL	N/A	
Le	mH	Vas		ltrs
fs	10.4 Hz	Xmax	22	mm peak
Qms	15.2	Sensitivity		
Qes		2.83V / 1m		dB
Qts		Longterm Max		
Mms	425 g	System Power		W
Cms	0.55 mm/N	Magnet weight		kg

One Peerless 830500 12" XLS woofer in a 1.25 cubic foot enclosure with one Peerless 830548 passive radiator and a Madisound KG6230 amplifier with active crossover at 90Hz.

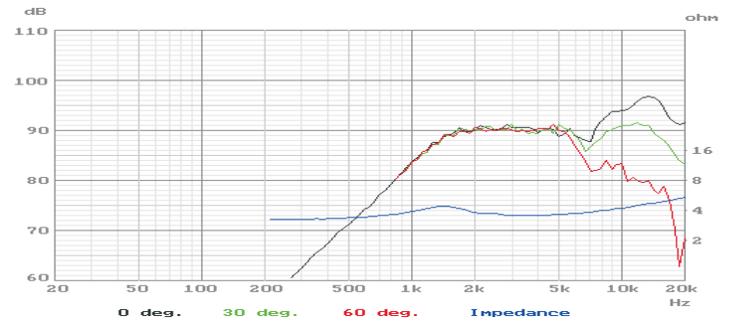


## 841939 1" Ring Dome Tweeter



- 1" Aluminum ring dome
- Automotive tweeter
- Metal grill & diffuser
- Housing can be removed
- 52mm Ø flange
- 27mm tall
- Two mounting screws on bottom
- 13mm Ø voice coil

Znom	4	ohm	Sd	5.3	cm <sup>2</sup>
Re	3.0	ohm	BL	1.1	N/A
Le	0.1	mH	Vas		ltrs
fs	1250	Hz	Xmax	0.25	mm peak
Qms	1.25		Sensitivity		
Qes	2.84		2.83V / 1m	91	dB
Qts	0.87		Longterm Max		
Mms	0.16	g	System Power	100	W
Cms	0.10	mm/N	Magnet weight	0.04	kg

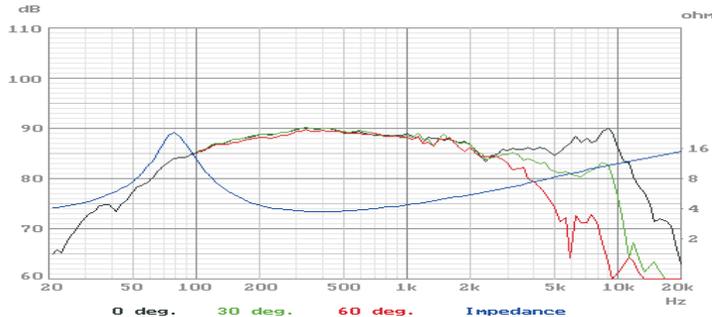


## 830516 4" CD Car Woofer



- Poly cone
- Rubber surround
- Peerless Logo
- Four removable mounting tabs
- 26mm Ø voice coil
- Response to 9kHz
- 100.5mm flange
- 56.5mm depth

Znom	4	ohm	Sd	58	cm <sup>2</sup>
Re	3.4	ohm	BL	4.0	N/A
Le	0.5	mH	Vas	3.3	ltrs
fs	78.9	Hz	Xmax	0.5	mm peak
Qms	3.65		Sensitivity		
Qes	0.59		2.83V / 1m	89.4	dB
Qts	0.51		Longterm Max		
Mms	5.8	g	System Power	100	W
Cms	0.70	mm/N	Magnet weight	0.23	kg

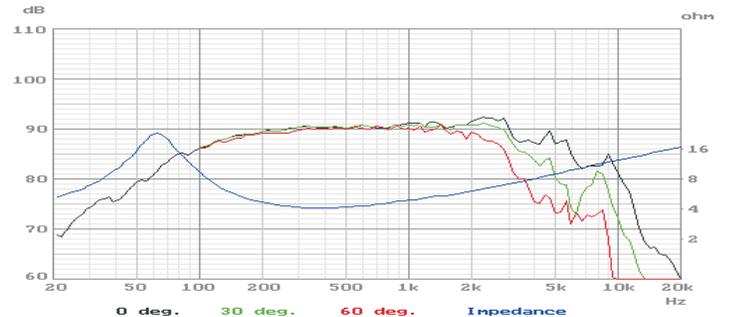


## 850517 5.25" CSC-X Car Woofer



- Poly "Sandwich" cone
- Rubber surround
- Peerless Logo
- Short circuiting ring
- 26mm Ø voice coil
- 130mm Ø flange with mounting tabs
- 117mm Ø cut out
- 60mm depth

Znom	4	ohm	Sd	91	cm <sup>2</sup>
Re	3.7	ohm	BL	6.6	N/A
Le	0.5	mH	Vas	5.8	ltrs
fs	63.4	Hz	Xmax	2.5	mm peak
Qms	2.65		Sensitivity		
Qes	0.48		2.83V / 1m	90.0	dB
Qts	0.41		Longterm Max		
Mms	10.9	g	System Power	110	W
Cms	0.58	mm/N	Magnet weight	0.40	kg

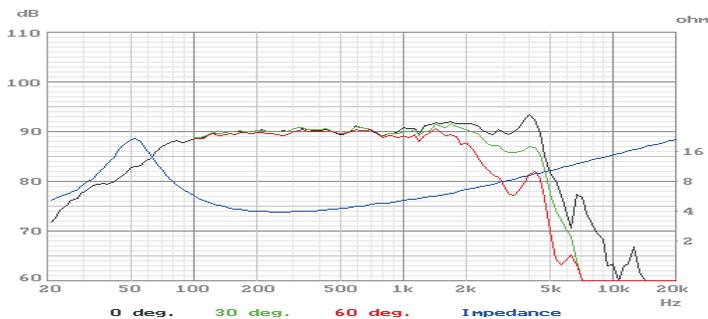


## 850518 6.5" CSC-X Car Woofer



- Poly "Sandwich" cone
- Rubber surround
- Peerless Logo
- Flat response
- Short circuiting ring
- 33mm Ø voice coil
- 165mm Ø flange
- 143.5mm Ø cut out
- 79mm depth

Znom	4	ohm	Sd	143	cm <sup>2</sup>
Re	3.5	ohm	BL	6.2	N/A
Le	0.8	mH	Vas	14.5	ltrs
fs	50.7	Hz	Xmax	5	mm peak
Qms	3.17		Sensitivity		
Qes	0.56		2.83V / 1m	90.0	dB
Qts	0.48		Longterm Max		
Mms	19.1	g	System Power	150	W
Cms	0.52	mm/N	Magnet weight	0.54	kg

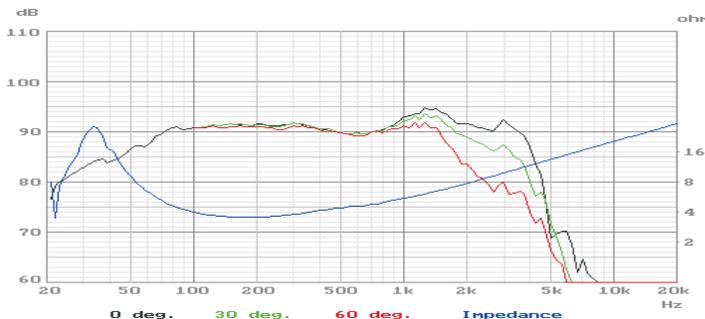


## 850519 8" CSC-X Car Woofer



- Poly "Sandwich" cone
- Rubber surround
- Peerless Logo
- Short circuiting ring
- High Qts
- 33mm Ø voice coil
- 217mm Ø flange
- 184.5mm Ø cut out
- 91mm depth

Znom	4	ohm	Sd	235	cm <sup>2</sup>
Re	3.1	ohm	BL	6.6	N/A
Le	1.2	mH	Vas	49.1	ltrs
fs	34.2	Hz	Xmax	5.5	mm peak
Qms	4.71		Sensitivity		
Qes	0.52		2.83V / 1m	91.0	dB
Qts	0.47		Longterm Max		
Mms	33.7	g	System Power	150	W
Cms	0.64	mm/N	Magnet weight	0.68	kg



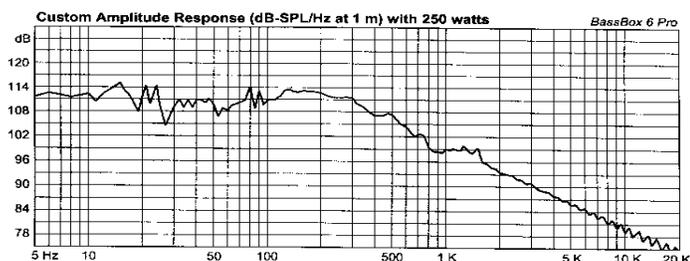
## 830514 10" XLS Car Woofer



- Extra Long Stroke Sub
- Nomex fiber cone
- Decorative logo and magnet cover
- Big roll rubber surround
- 51mm Ø voice coil
- 269.3mm Ø flange
- 240mm Ø cut out
- 107mm depth

Znom	4	ohm	Sd	333	cm <sup>2</sup>
Re	1.8	ohm	BL	11.0	N/A
Le	1.5	mH	Vas	21.4	ltrs
fs	38.8	Hz	Xmax	12.5	mm peak
Qms	6.47		Sensitivity		
Qes	0.43		2.83V / 1m	92.2	dB
Qts	0.40		Longterm Max		
Mms	121.0	g	System Power	200	W
Cms	0.14	mm/N	Magnet weight	2.42	kg

Simulated car response in 0.5 cubic foot sealed box.



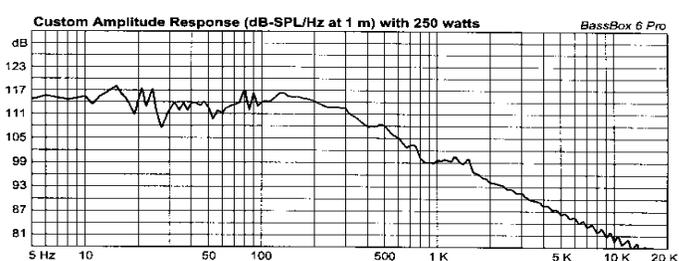
## 830515 12" XLS Car Woofer



- Extra Long Stroke Sub
- Nomex fiber cone
- Decorative logo and magnet cover
- Big roll rubber surround
- 51mm Ø voice coil
- 308mm Ø flange
- 278mm Ø cut out
- 126mm depth

Znom	4	ohm	Sd	466	cm <sup>2</sup>
Re	1.8	ohm	BL	10.9	N/A
Le	1.9	mH	Vas	80.5	ltrs
fs	28.2	Hz	Xmax	12.5	mm peak
Qms	4.81		Sensitivity		
Qes	0.32		2.83V / 1m	93.5	dB
Qts	0.30		Longterm Max		
Mms	118.6	g	System Power	250	W
Cms	0.27	mm/N	Magnet weight	2.42	kg

Simulated car response in 0.75 cubic foot sealed box.





Unit	Description	$\Omega$	fs	dB	Watt	Price Each
ER-4	Air Motion Ribbon Tweeter - 1.5 to 30kHz!	6	450	92	100	\$285.00
19 SD 1	3/4" Textile Dome Tweeter, dbl. magnet	8	1100	89	80	\$53.00
25 SD 1	1" Textile Dome Tweeter, dbl. magnet	8	1000	90	100	\$56.00
<b>All Eton midranges and woofers feature Kevlar/Nomex Hexacone cones.</b>						
4-300	4" Kevlar Midrange / Woofer	8	57	88	50	\$86.00
4-300S	Shielded 4" Kevlar Mid/Woofers w/phase plug	8	56	85	40	\$98.00
5-880	5" Kevlar Woofer	8	48	87	70	\$100.00
7-360	7" Kevlar Woofer	8	40	89	120	\$122.00
7-372	7" Long Throw Kevlar Woofer with heat pipe	8	32	90	80	\$151.00
8-472	8" Long Throw Kevlar Woofer with heat pipe	8	24	89	90	\$187.00
8-800	8" Kevlar Woofer	8	31	89	120	\$144.00
11-581	11" Kevlar Woofer	8	23	91	150	\$289.00
12-680	12" Kevlar Woofer	8	26	91	200	\$384.00

### Eton Kits engineered by Eton in Germany

All kits include speakers, crossovers (coils as specified, poly caps in series with midrange and tweeter, eagle MO resistors), all brass gold plated input cups, black screws, port tubes and port tube trim rings, foam dampening pads and Acusta-Stuf (if called for) and cheapo internal speaker wire. Cabinet drawings are included. **Cabinets are not available at this time**, we will have some made if there is enough interest. Kits are priced per pair and reflect a 10% discount from piece prices.

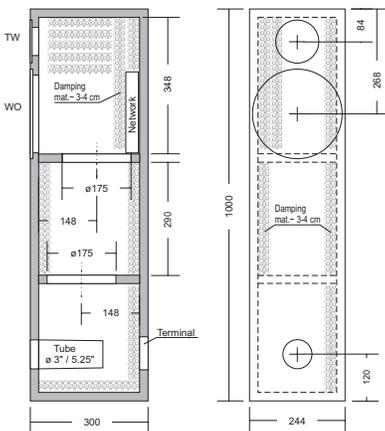
**Eton 8.1 Kit** - Floor standing 2-way tower design using the 8" 8-800 woofer and 1" textile dome 25SD1 tweeter in a vented enclosure. Crossovers are 6dB on the woofer and 12dB on the tweeter. System phase compensation is used at the crossover point. The cabinet is 39.3" T x 9.6" W x 11.8" D.

**The price per pair is \$450.00. Adding Nordost internal wiring is an additional \$19.98. (12')**

**Eton 11.2 Kit** - Floor standing 3-way design using the 11" 11-581 woofer, 5" 5-880 midbass and 3/4" textile dome 19SD1 tweeter in a vented enclosure. Crossovers are 12dB on the woofer, 12dB/18dB on the midbass and 12dB on the tweeter.

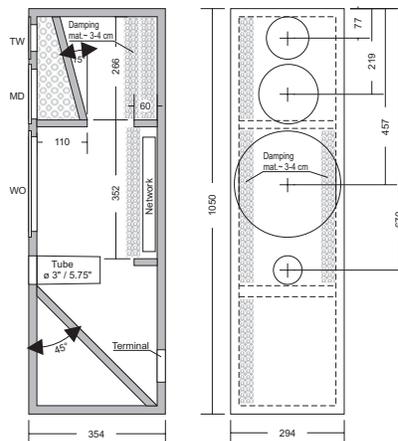
**The price per pair is \$990.00. Adding Nordost internal wiring is an additional \$33.30. (20')**

### ETON 8.1 Kit

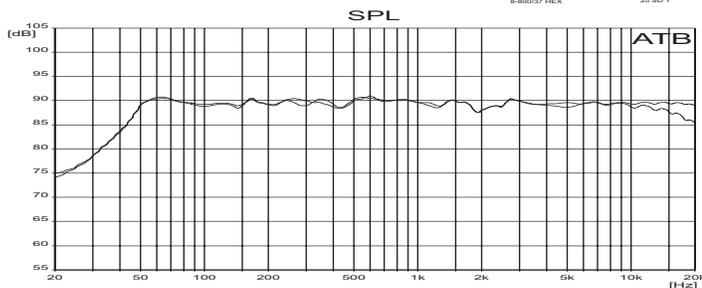


- 8" 2-Way Design
- Cabinets not available
- Fully assembled premium crossovers
- 8-800 woofer
- 25SD-1 tweeter
- All damping materials included
- 1000mm tall
- 300mm deep
- 244mm wide

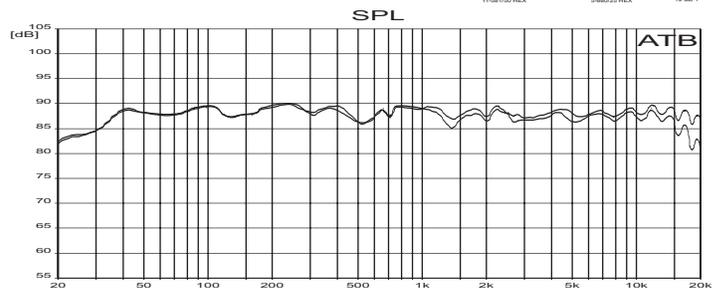
### ETON 11.2 Kit



- 11" 3-Way Design
- Cabinets not available
- Fully assembled premium crossovers
- 11-581 woofer
- 5-880 midrange
- 19SD-1 tweeter
- 1050mm tall
- 354mm deep
- 294mm wide



ETON - Model 8.1  
SPL 1 Watt / 1 m - 0°, 30°



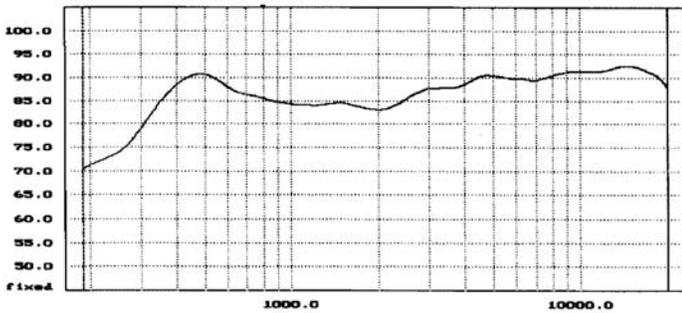
ETON - Model 11.2  
SPL 1 Watt / 1 m - 0°, 30°

## ER-4



- Air Motion Ribbon Tweeter
- New ribbon design
- High efficiency
- Suitable for center channel
- Flange 110 x 110mm
- Cut-out 90 x 90mm
- Depth 15mm

Znom	6	ohm	Sd	67	cm <sup>2</sup>
Re	4	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	450	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	92	dB
Mms	0.1	g	Nom. Power DIN 100	W	
Cms	-	mm/N	Net weight	-	kg

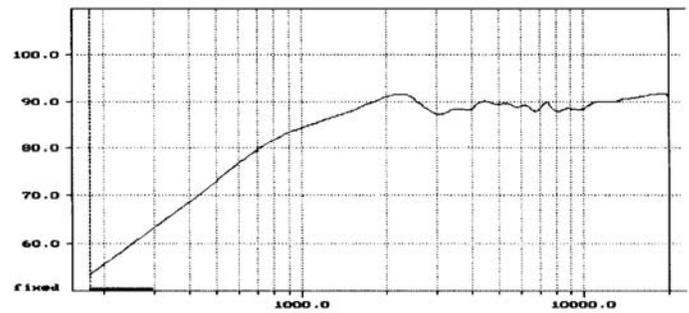


## 19 SD-1



- 3/4" Soft Dome Tweeter
- Response to 30 kHz
- Precoated textile dome
- Double magnet
- Vented polepiece
- Aluminum former and chassis
- Flange 110mm
- Cut-out 74mm
- Depth 43mm

Znom	8	ohm	Sd	3.9	cm <sup>2</sup>
Re	6.3	ohm	BL	-	N/A
Le@1kHz	0.20	mH	Vas	-	ltrs
fs	1100	Hz	Xmax	-	mm peak
Qms	-		VC Ø	19	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	89	dB
Mms	0.16	g	Nom. Power DIN 100	80	W
Cms	-	mm/N	Net weight	-	kg

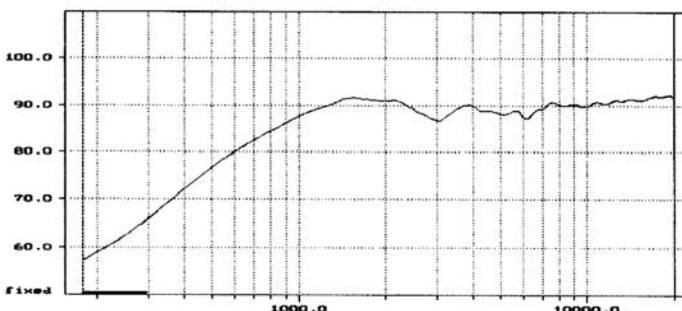


## 25 SD-1



- 1" Soft Dome Tweeter
- Response to 30 kHz
- Precoated textile dome
- Double magnet
- Vented polepiece
- Aluminum former and chassis
- Flange 110mm
- Cut-out 74mm
- Depth 43mm

Znom	8	ohm	Sd	6.5	cm <sup>2</sup>
Re	6.8	ohm	BL	-	N/A
Le@1kHz	0.28	mH	Vas	-	ltrs
fs	1000	Hz	Xmax	-	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	90	dB
Mms	0.22	g	Nom. Power DIN 100	W	
Cms	-	mm/N	Net weight	-	kg

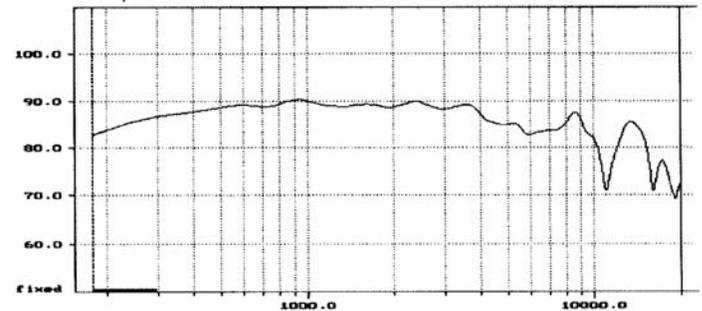


## 4-300/ 25HEX



- 4" HEXACONE Midrange
- Wide response
- Excellent sound quality
- Rubber surround
- Aluminum former and chassis
- Flange 120mm
- Cut-out 99mm
- Depth 66mm

Znom	8	ohm	Sd	55	cm <sup>2</sup>
Re	6.0	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	7.2	ltrs
fs	57	Hz	Xmax	2.0	mm peak
Qms	1.72		VC Ø	25	mm
Qes	0.35		Sensitivity		
Qts	0.29		1W / 1m	88	dB
Mms	5	g	Nom. Power DIN 100	50	W
Cms	-	mm/N	Net weight	-	kg



## 4-300 S



- 4" Shielded HEXACONE Midrange
- Wide response
- Excellent sound quality
- Rubber surround
- Perfectly suited for center channel
- Flange 120mm
- Cut-out 99mm
- Depth 78mm

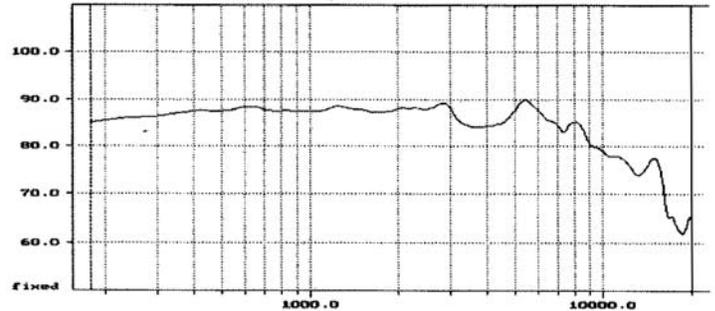
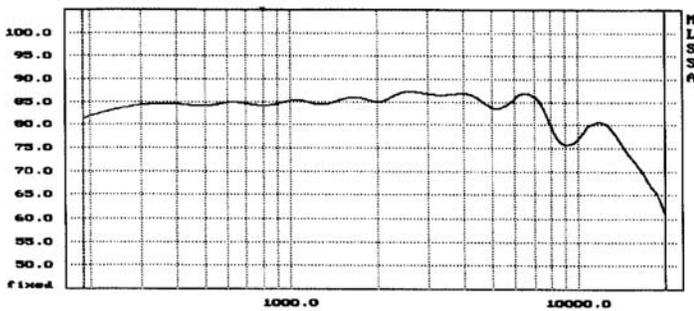
Znom	8 ohm	Sd	55 cm <sup>2</sup>
Re	6.1 ohm	BL	- N/A
Le@1kHz	- mH	Vas	6.5 ltrs
fs	56 Hz	Xmax	2.25 mm peak
Qms	4.35	VC Ø	25 mm
Qes	6.5	Sensitivity	
Qts	0.29	1W / 1m	85 dB
Mms	5.9 g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	- kg

## 5-880/ 25HEX



- 5" HEXACONE Bass/Midrange
- Excellent for small monitors
- Excellent as midrange in multiple-way system
- 3mm X-max
- Flange 156mm
- Cut-out 128mm
- Depth 70mm

Znom	8 ohm	Sd	79 cm <sup>2</sup>
Re	6.0 ohm	BL	- N/A
Le@1kHz	0.43 mH	Vas	12 ltrs
fs	48 Hz	Xmax	3.0 mm peak
Qms	1.76	VC Ø	25 mm
Qes	0.35	Sensitivity	
Qts	0.29	1W / 1m	87 dB
Mms	8 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	- kg



## 7-360 / 37HEX



- 7" HEXACONE Bass/Midrange
- No coloration
- Excellent sound quality
- Rubber surround
- Aluminum diecast basket
- Flange 186mm
- Cut-out 160mm
- Depth 83mm

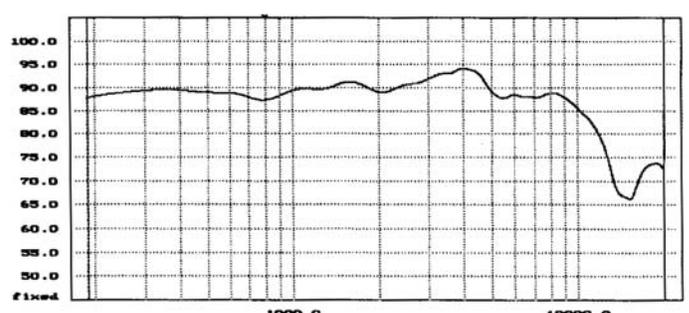
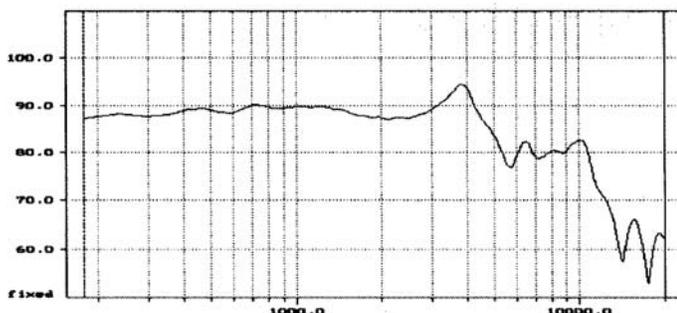
Znom	8 ohm	Sd	133 cm <sup>2</sup>
Re	5.5 ohm	BL	- N/A
Le@1kHz	0.61 mH	Vas	5.5 ltrs
fs	40 Hz	Xmax	3.0 mm peak
Qms	1.29	VC Ø	37 mm
Qes	0.35	Sensitivity	
Qts	0.28	1W / 1m	89 dB
Mms	13 g	Nom. Power DIN	120 W
Cms	- mm/N	Net weight	- kg

## 7-372/ 32LH



- 7" HEXACONE Woofer
- Constructed with new Heatpipe
- Long throw
- Rubber surround
- Aluminum diecast basket
- Flange 185mm
- Cut-out 151mm
- Depth 89mm

Znom	8 ohm	Sd	137 cm <sup>2</sup>
Re	7 ohm	BL	- N/A
Le@1kHz	- mH	Vas	44 ltrs
fs	32 Hz	Xmax	5.25 mm peak
Qms	3.78	VC Ø	32 mm
Qes	0.29	Sensitivity	
Qts	0.27	1W / 1m	90 dB
Mms	15.6 g	Nom. Power DIN	80 W
Cms	- mm/N	Net weight	- kg

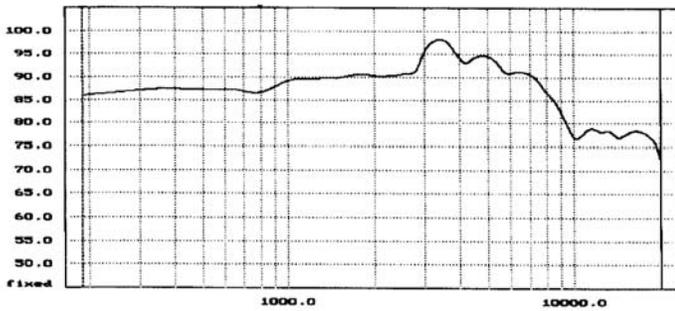


## 8-472/ 32 LH



- 8" HEXACONE Woofer
- Constructed with new Heatpipe
- Long throw
- Rubber surround
- Aluminum diecast basket
- Flange 223mm
- Cut-out 186mm
- Depth 108mm

Znom	8 ohm	Sd	219	cm <sup>2</sup>
Re	7 ohm	BL	-	N/A
Le@1kHz	- mH	Vas	116	ltrs
fs	24 Hz	Xmax	5.25	mm peak
Qms	3.55	VC Ø	32	mm
Qes	0.32	Sensitivity		
Qts	0.29	1W / 1m	89	dB
Mms	27 g	Nom. Power DIN	90	W
Cms	- mm/N	Net weight	-	kg

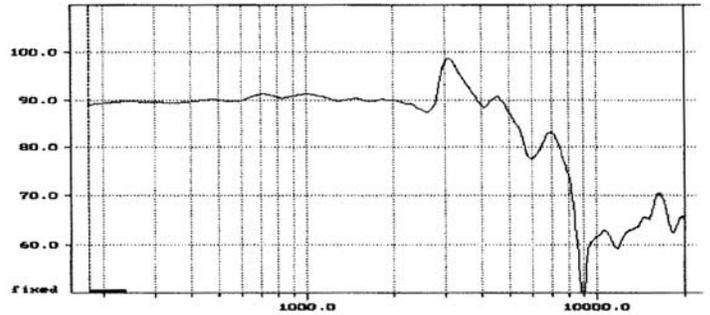


## 8-800/ 37HEX



- 8" HEXACONE Woofer
- Excellent sound characteristics
- Outstanding pulse response
- Aluminum diecast basket
- Flange 228mm
- Cut-out 202mm
- Depth 96mm

Znom	8 ohm	Sd	241	cm <sup>2</sup>
Re	5.5 ohm	BL	-	N/A
Le@1kHz	0.69 mH	Vas	62	ltrs
fs	31 Hz	Xmax	3.0	mm peak
Qms	2.56	VC Ø	37	mm
Qes	0.45	Sensitivity		
Qts	0.38	1W / 1m	89	dB
Mms	30 g	Nom. Power DIN	120	W
Cms	- mm/N	Net weight	-	kg

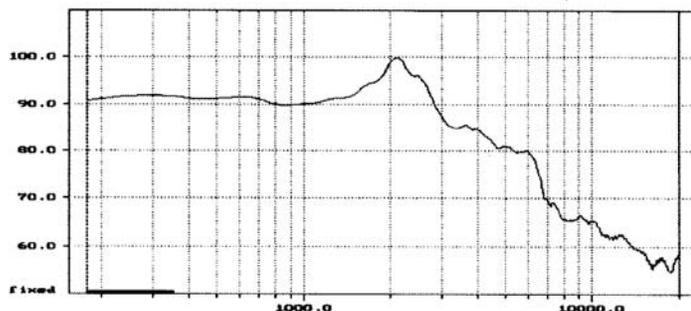


## 11-581/ 50HEX



- 11" HEXACONE Woofer
- Low frequency reproduction
- Excellent pulse response
- Aluminum diecast basket
- Flange 280mm
- Cut-out 244mm
- Depth 104mm

Znom	8 ohm	Sd	363	cm <sup>2</sup>
Re	5.4 ohm	BL	-	N/A
Le@1kHz	0.69 mH	Vas	110	ltrs
fs	23 Hz	Xmax	5.0	mm peak
Qms	8.59	VC Ø	50	mm
Qes	0.30	Sensitivity		
Qts	0.29	1W / 1m	91	dB
Mms	57 g	Nom. Power DIN	150	W
Cms	- mm/N	Net weight	-	kg

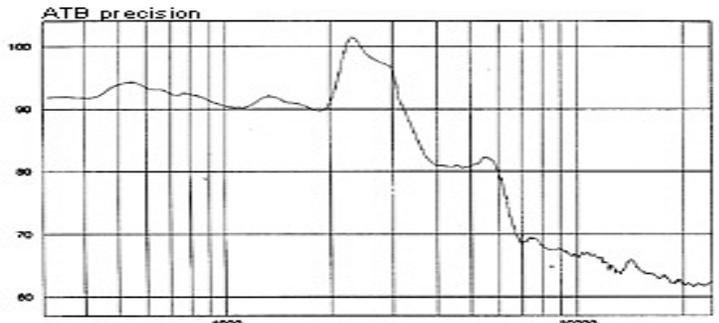


## 12-680/ 62HEX



- 12" HEXACONE Woofer
- Low frequency reproduction
- Excellent pulse response
- Aluminum diecast basket
- Flange 315mm
- Cut-out 291mm
- Depth 143mm

Znom	8 ohm	Sd	515	cm <sup>2</sup>
Re	6.1 ohm	BL	15.6	TM
Le@1kHz	1.45 mH	Vas	150	ltrs
fs	26 Hz	Xmax	6	mm peak
Qms	3.52	VC Ø	62	mm
Qes	0.38	Sensitivity		
Qts	0.34	1W / 1m	91	dB
Mms	92 g	Nom. Power DIN	200	W
Cms	- mm/N	Net weight	-	kg

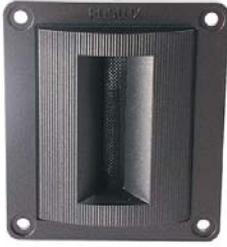




Model	Imp. W	Fs Hz	Qts	Vas Ltrs	Power Watts	dB	Frequency Range	Xmax mm P	Box Liter Sealed/Vented	F3 Hz	Price Each
<b>FT SERIES RIBBON TWEETER - Patented "Regulated Phase" Full surface drive diaphragm.</b>											
<b>FT7RP</b> ribbon tweeter	8				80	93	3.5K-45kHz				<b>\$83.60</b>
<b>FT33RP</b> shielded ribbon tweeter, grill	8				60	91	3.5K-45kHz				<b>\$141.65</b>
<b>FT SERIES DOME TWEETER</b>											
<b>FT27D</b> dome tweeter, grill, <b>Shielded</b>	8				40	90	3K-30kHz				<b>\$33.45</b>
<b>FT28D</b> dome tweeter	8				40	90	2.5K-50kHz				<b>\$57.05</b>
<b>FT48D</b> dome tweeter	8				50	93	2K-30kHz				<b>\$80.70</b>
<b>FT SERIES HORN TWEETER</b>											
<b>FT17H</b> horn tweeter	8				30	98.5	5K-50kHz				<b>\$35.65</b>
<b>FT66H</b> ring diaphragm horn tweeter, alnico	8				70	105	3.5K-22kHz				<b>\$131.80</b>
<b>FT96H</b> horn supertweeter, alnico	8				50	100	3K-33kHz				<b>\$106.25</b>
<b>T SERIES HORN TWEETERS, ALNICO MAGNET</b>											
<b>T90A</b> top mount, supertweeter, alnico magnet	8				50	106	7K-35kHz				<b>\$141.65</b>
<b>T925A</b> top mount, supertweeter, alnico magnet	8				50	108	6K-40kHz				<b>\$263.60</b>
<b>T500A</b> top mount, supertweeter, alnico magnet	8				50	102	5K-25kHz				<b>\$609.80</b>
<b>F SERIES ALNICO MAGNET- Suitable for folded horn enclosures. Mica composite coated cones.</b>											
<b>F120A</b> 4.5" full range, alnico magnet	8	65	0.44	9.87	30	89	Fo-20kHz	1.5	6S/12V	105/58	<b>\$218.50</b>
<b>F200A</b> 8" full range, alnico magnet	8	30	0.32	98.96	80	90	Fo-20kHz	2.0	25S/38V	67/45	<b>\$373.70</b>
<b>FX SERIES - Bio-cellulose cone made from kenaf with special mica composite coating</b>											
<b>FX120</b> 5" full range	8	70	0.45	8.21	30	89	Fo-20kHz	2.0	5.4S/11V	111/60	<b>\$98.00</b>
<b>FX200</b> 8" full range	8	38	0.45	82.3	45	92	Fo-20kHz	1.0	45S/55V	60/45	<b>\$146.50</b>
<b>FE SIGMA SERIES FULL RANGE DRIVERS - Suitable for folded horn enclosures.</b>											
<b>FE108S</b> 4" full range	8	80	0.2	7.07	15	92	Fo-18kHz	0.35	0.6S	283	<b>\$67.90</b>
<b>FE168S</b> 6.5" full range	8	60	0.37	15.27	80	94	Fo-20kHz	1.25	5.7S/9V	115/73	<b>\$111.15</b>
<b>FE208S</b> 8" full range	8	45	0.21	36.9	100	96.5	Fo-20kHz	0.75	3.9S/6V	146/98	<b>\$139.75</b>
<b>FE- E SERIES - Suitable for folded horn enclosures, banana pulp cones.</b>											
<b>FE83E</b> 3" full range	8	140	0.78	1.293	10	88	Fo-20kHz	0.4	2-4S	140-135	<b>\$24.75</b>
<b>FE87E</b> 3" shielded full range - <b>Shielded</b>	8	140	0.92	1.03	10	89	Fo-30kHz	0.4	3-5S	125-120	<b>\$27.55</b>
<b>FE103E</b> 4" full range	8	80	0.35	6.89	15	89	Fo-22kHz	0.4	2.4S/3V	158/100	<b>\$31.50</b>
<b>FE107E</b> 4" shielded full range - <b>Shielded</b>	8	80	0.38	5.95	15	90	Fo-22kHz	0.35	2.4S/4V	148/89	<b>\$33.50</b>
<b>FE127E</b> 4.5" shielded full range - <b>Shielded</b>	8	70	0.43	9.9	45	91	Fo-20kHz	0.35	6S/12V	114/62	<b>\$36.50</b>
<b>FE166E</b> 6.5" shielded full range	8	50	0.21	45.11	65	94	Fo-22kHz	0.6	4.5S/5V	170/125	<b>\$61.05</b>
<b>FE167E</b> 6.5" shielded full range - <b>Shielded</b>	8	50	0.33	30.2	65	95	Fo-22kHz	0.6	8.4S/18V	118/69	<b>\$63.25</b>
<b>FE206E</b> 8" full range	8	39	0.18	54.5	90	96	Fo-20kHz	1.5	Horn	~	<b>\$84.30</b>
<b>FE207E</b> 8" shielded full range - <b>Shielded</b>	8	39	0.26	56.25	90	95	Fo-20kHz	1.5	9S/17V	108/68	<b>\$86.50</b>
<b>FF SERIES - Suitable for folded horn enclosures, using kenaf fiber cones.</b>											
<b>FF85K</b> 3" full range, fiber cone, up/down surr.	8	122	0.47	1.07	10	88	Fo-33kHz	0.55	0.9S/2V	181/94	<b>\$32.15</b>
<b>FF125K</b> 4.5" full range, fiber cone	8	72	0.26	9.12	50	92	Fo-18kHz	0.15	1.5S/2V	195/135	<b>\$40.00</b>
<b>FF165K</b> 6.5" full range, fiber cone	8	40	0.20	48.2	70	94	Fo-17kHz	0.3	4.5S/7V	135/94	<b>\$61.10</b>
<b>FF225K</b> 8" full range, fiber cone	8	38	0.16	79.41	100	96	Fo-14kHz	0.3	Horn	~	<b>\$94.35</b>
<b>FW SERIES - Poly cones with shielded magnets.</b>											
<b>FW127</b> 4.5" woofer, PP cone - <b>Shielded</b>	8	45	0.35	7.73	50	87	Fo-10kHz	1.85	2.5S/3V	91/59	<b>\$80.00</b>
<b>FW187</b> 7" woofer, PP cone - <b>Shielded</b>	8	30	0.31	59.97	100	90	Fo-5kHz	4.0	13S/21V	70/45	<b>\$127.60</b>
<b>FW-HP SERIES - Banana pulp hyperbolic cone with up/down surround and up/down spider.</b>											
<b>FW168HP</b> 6.5" woofer, hyperbolic	8	40	0.16	14.25	100	89	Fo-10kHz	0.5	7S/14V	98/47	<b>\$230.00</b>
<b>FW SERIES - Hybrid pulp cone woofers</b>											
<b>FW108N</b> 4" woofer	8	55	0.26	4.09	50	86	Fo-10kHz	1.9	0.7S/1V	148/93	<b>\$108.25</b>
<b>FW168N</b> 6.5" woofer	8	40	0.16	14.25	100	89	Fo-9kHz	0.5	4S/5V	200/80	<b>\$139.75</b>
<b>FW208N</b> 8" woofer	8	29	0.2	43.42	100	90	Fo-5kHz	6.5	4.1S/7V	99/68	<b>\$160.50</b>
<b>FW305</b> 12" woofer	8	25	0.25	254	125	95	Fo-3.5kHz	4.8	38S/74V	70/44	<b>\$210.65</b>
<b>FW405</b> 16" woofer	8	20	0.34	595	150	96	Fo-2.5kHz	7.0	90S/140V	45/37	<b>\$310.45</b>
<b>FW800N</b> 31.5" super woofer	8	18	0.69	3201	450	96	Fo-1.5kHz	2.3	Inf. Baffle	Fo	<b>\$2,446.00</b>
<b>W SERIES ALNICO MAGNET - Fine ceramics multi coated cones and double spider.</b>											
<b>W300A</b> 12" woofer	8	25	0.28	227	150	93	Fo-3kHz	6.5	42S/89V	63/38	<b>\$790.65</b>
<b>W400A</b> 16" woofer	8	25	0.32	312.3	200	97	Fo-2.5kHz	7.0	76S/120V	56/37	<b>\$1,238.50</b>
<b>ATTENUATOR</b>											
<b>R80B</b> L-pad	8				100	0-40					<b>\$21.10</b>
<b>R82B</b> L-pad	8				200	0-40					<b>\$36.75</b>
<b>R100T</b> transformer type	8				100	0-21					<b>\$170.90</b>

Looking for ideas on how to use these products? Look to the web, there are many sites devoted to single speaker systems and high efficiency systems for use with single ended and other low power tube amplifiers. We have seen many sites with folded horn designs. On our site, we have four folded horn designs that were provided by Fostex. There are uses for these speakers that exceed conventional wisdom.

**FT7RP \$83.60**



**Fostex**

- RIBBON TWEETER
- 8 ohm impedance
- Frequency response from 3kHz to 45kHz
- 93dB sensitivity at 1w/1m
- Flange 76mm x 86mm
- Cut-out 50mm
- Depth 32mm

Znom	8	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	27	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	93	dB
<b>Nom. Power</b>	<b>80</b>	<b>W</b>
Net weight	0.155kg	

**FT33RP \$141.65**

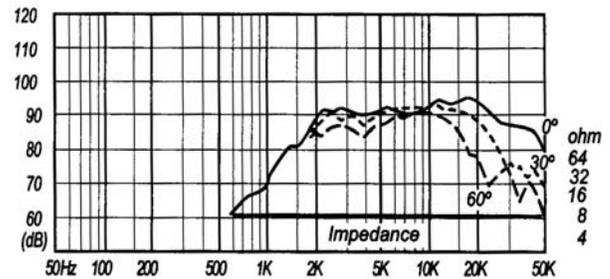
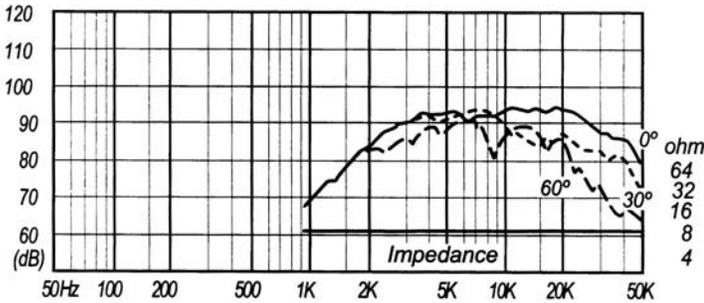


**Fostex**

- RIBBON TWEETER
- 8 ohm impedance
- Frequency response from 2kHz to 45kHz
- 91dB sensitivity 1w/1m
- Magnetically shielded
- Metal grill
- Flange 116mm
- Cut-out 82 mm
- Depth 20mm

Znom	8	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	91	dB
<b>Nom. Power</b>	<b>60</b>	<b>W</b>
Net weight	387	g



**FT27D \$33.45**



**Fostex**

- DOME TWEETER
- 8 ohm impedance
- Frequency response from 2kHz to 30kHz
- 90dB sensitivity 1w/1m
- Magnetically shielded
- Metal grill
- Flange 102mm square
- Cut-out 86mm
- Depth 33.3mm

Znom	8	ohm
Re	8	ohm
Le@1kHz	-	mH
fs	1050	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	90	dB
<b>Nom. Power</b>	<b>40</b>	<b>W</b>
Net weight	565	g

**FT28D \$57.05**

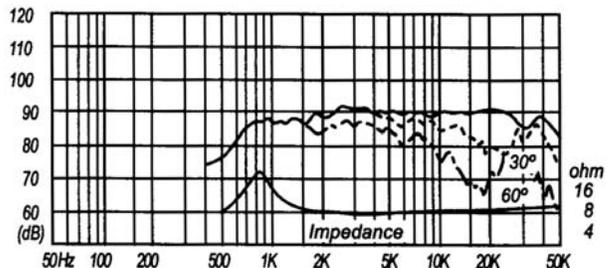
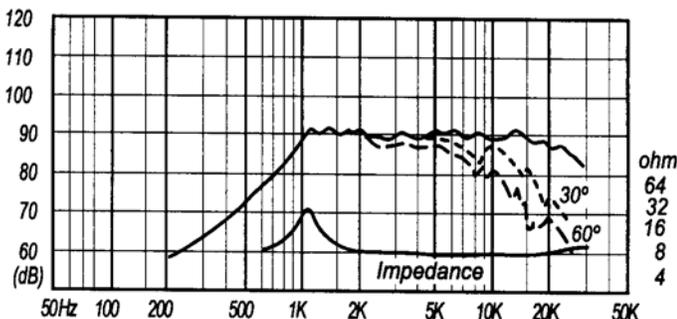


**Fostex**

- DOME TWEETER
- 8 ohm impedance
- 1kHz to 50kHz frequency response
- 90dB sensitivity at 1w/1m
- Flange 90mm x 78mm
- Cut-out 70mm
- Depth 32.8mm

Znom	8	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	90	dB
<b>Nom. Power</b>	<b>40</b>	<b>W</b>
Net weight	528	g



**FT48D \$80.70**



- DOME TWEETER
- Soft dome
- 8 ohm impedance
- Frequency response from 2kHz to 30kHz
- 93dB sensitivity at 1w/1m
- Flange 128mm
- Cut-out 90mm
- Depth 30mm



Znom	8	ohm	Cms	-	mm/N
Re	-	ohm	Sd	-	cm <sup>2</sup>
Le@1kHz	-	mH	BL	-	N/A
fs	650	Hz	Vas	-	ltrs
Qms	-		Xmax	-	mm peak
Qes	-		VC Ø	-	mm
Qts	-		Sensitivity		
Mms	-	g	1W / 1m	93	dB
			<b>Nom. Power</b>	<b>50</b>	<b>W</b>

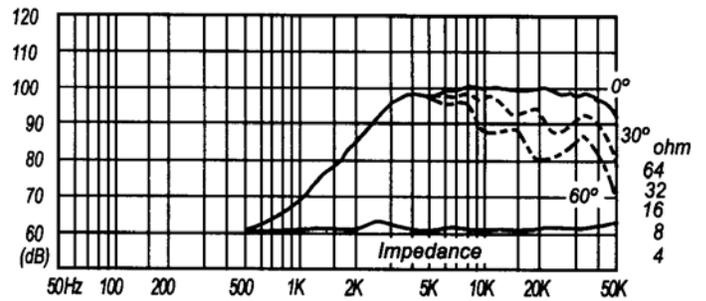
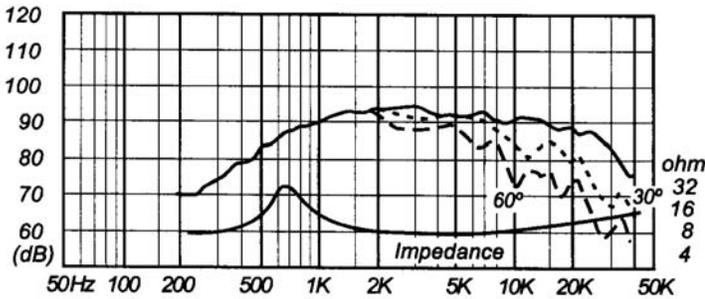
**FT17H \$35.65**



- HORN TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 50kHz
- 98.5dB sensitivity at 1w/1m (3.3 ft)
- Flange 87mm
- Cut-out 63mm
- Depth 49.5mm



Znom	8	ohm	BL	-	N/A
Re	-	ohm	Vas	-	ltrs
Le@1kHz	-	mH	Xmax	-	mm peak
fs	-	Hz	VC Ø	-	mm
Qms	-		Sensitivity		
Qes	-		1W / 1m	98.5	dB
Qts	-		<b>Nom. Power</b>	<b>30</b>	<b>W</b>
Mms	-	g	Net weight	340	g



**FT66H \$131.80**



- RING DIAPHRAGM TWEETER
- 8 ohm impedance
- Frequency response from 2.5kHz to 22kHz
- 105dB sensitivity at 1w/1m
- Flange 83mm square
- Cut-out 75 mm
- Depth 72.5mm



Znom	8	ohm	Sd	-	cm <sup>2</sup>
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	-	Hz	Xmax	-	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	105	dB
Mms	-	g	<b>Nom. Power</b>	<b>70</b>	<b>W</b>
Cms	-	mm/N	Net weight	1.15	kg

**FT96H \$106.25**

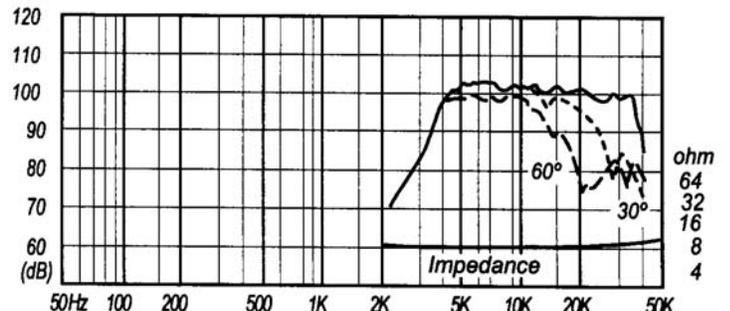
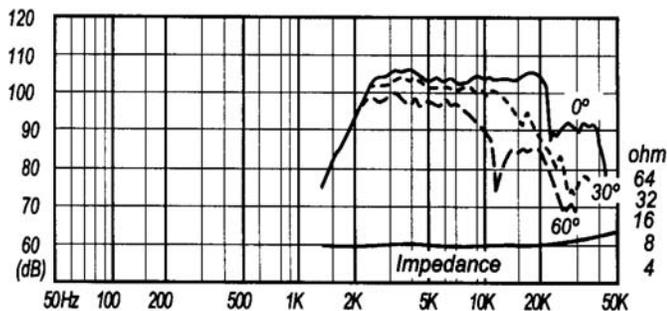


- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response 4kHz to 33kHz
- 100dB sensitivity 1w/1m
- Alnico magnet
- Flange 68mm square
- Cut-out 60mm
- Depth 60mm



Znom	8	ohm	BL	-	N/A
Re	-	ohm	Vas	-	ltrs
Le@1kHz	-	mH	Xmax	-	mm peak
fs	-	Hz	VC Ø	-	mm
Qms	-		Sensitivity		
Qes	-		1W / 1m	100	dB
Qts	-		<b>Nom. Power</b>	<b>50</b>	<b>W</b>
Mms	-	g			

Use a 1.0 mfd capacitor and an L-pad to mate with FE208 8" full range.



## T90A \$141.65

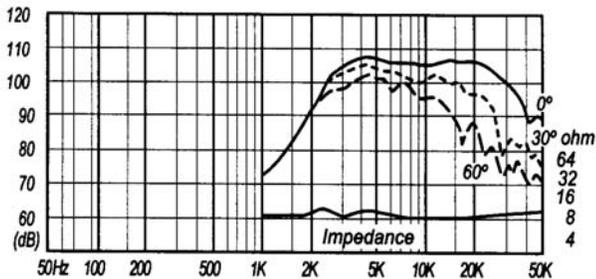


**Fostex**

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 35kHz
- 106dB sensitivity at 1w/1m
- TOP MOUNT
- Flange 60 mm
- Depth 74.1/ 87.8 mm

Znom	8	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	106	dB
<b>Nom. Power</b>	<b>50</b>	<b>W</b>
Net weight	0.8	Kg



## T925A \$263.60

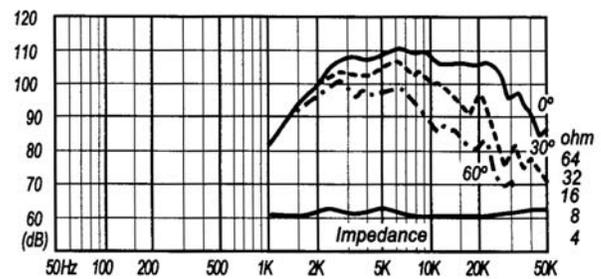


**Fostex**

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 5kHz to 40kHz
- 108dB sensitivity at 1w/1m
- TOP MOUNT
- Flange 82 mm
- Depth 91/ 108mm

Znom	8	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	108	dB
<b>Nom. Power</b>	<b>50</b>	<b>W</b>
Net weight	2.0	Kg



## T500A \$609.80

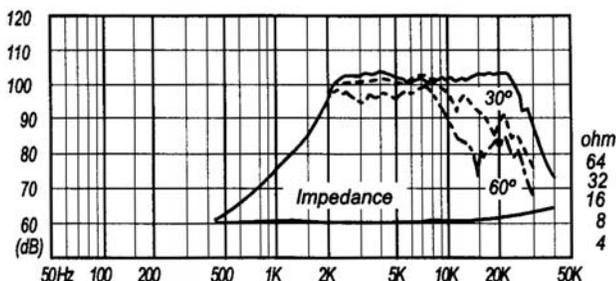


**Fostex**

- HORN SUPER TWEETER
- 8 ohm impedance
- Frequency response from 2kHz to 25kHz
- 102dB sensitivity at 1w/1m
- TOP MOUNT
- Flange 99 mm
- Depth 108.5/ 127.5mm

Znom	8	ohm
Re	-	ohm
Le@1kHz	-	mH
fs	-	Hz
Qms	-	
Qes	-	
Qts	-	
Mms	-	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	-	ltrs
Xmax	-	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	102	dB
<b>Nom. Power</b>	<b>50</b>	<b>W</b>
Net weight	4.7	Kg



## F120A \$218.50

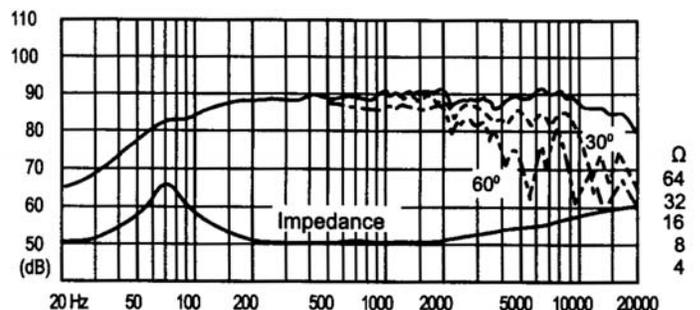


**Fostex**

- 4.5" FULL RANGE
- Alnico Magnet
- 8 ohm impedance
- Frequency response from 65Hz to 20kHz
- 89dB sensitivity
- Flange 137 x 123mm HEXAGONAL
- Cut-out 103mm
- Depth 88mm

Znom	8	ohm
Re	7	ohm
Le@1kHz	-	mH
fs	65	Hz
Qms	3.1	
Qes	.51	
Qts	.44	
Mms	4.7	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	9.87	ltrs
Xmax	1.5	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	89	dB
<b>Nom. Power</b>	<b>30</b>	<b>W</b>
Net weight	2.0	Kg



## F200A \$373.80

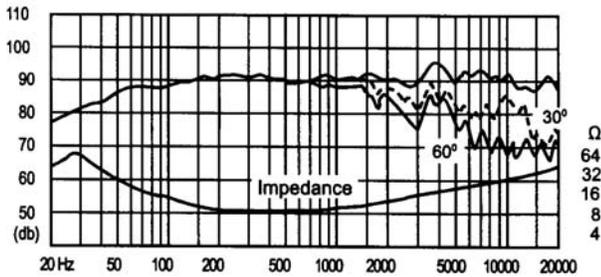


**Fostex**

- 8" FULL RANGE
- Alnico magnet
- 8 ohm impedance
- Frequency response from 30Hz to 20kHz
- 90 dB sensitivity
- Flange 213 X 194mm HEXAGONAL
- Cut-out 182 mm
- Depth 123.7 mm

Znom	8	ohm
Re	7.3	ohm
Le@1kHz	-	mH
fs	30	Hz
Qms	2.63	
Qes	0.36	
Qts	0.32	
Mms	18.6	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	98.96	ltrs
Xmax	2.0	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	90	dB
<b>Nom. Power</b>	<b>80</b>	<b>W</b>
Net weight	4.4	kg



## FX120 \$98.70

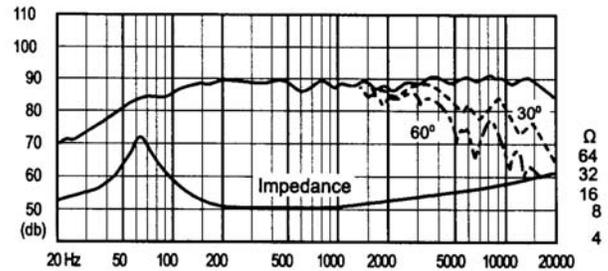


**Fostex**

- 5" FULL RANGE
- 89db sensitivity
- 8 ohm impedance
- Frequency response 70 Hz to 20kHz
- Flange 137 x 123mm HEXAGONAL
- Cut-out 103mm
- Depth 62.5mm

Znom	8	ohm
Re	7.3	ohm
Le@1kHz	-	mH
fs	70	Hz
Qms	8.4	
Qes	0.47	
Qts	0.45	
Mms	5.3	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	8.21	ltrs
Xmax	2.0	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	89	dB
<b>Nom. Power</b>	<b>30</b>	<b>W</b>
Net weight	1.32	kg



## FX200 \$146.50

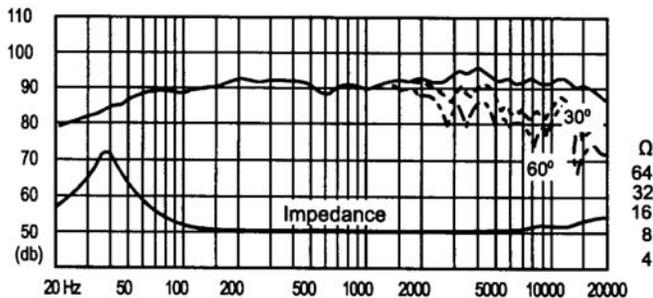


**Fostex**

- 8" FULL RANGE
- 92db sensitivity
- 8 ohm impedance
- Frequency response 38 Hz to 20kHz
- Flange 194mm HEXAGONAL
- Cut-out 183mm
- Depth 82.7mm

Znom	8	ohm
Re	7.5	ohm
Le@1kHz	-	mH
fs	38	Hz
Qms	7.0	
Qes	0.48	
Qts	0.45	
Mms	15.8	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	82.3	ltrs
Xmax	1.0	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	92	dB
<b>Nom. Power</b>	<b>45</b>	<b>W</b>
Net weight	2.45	kg



## FE108Σ \$67.90

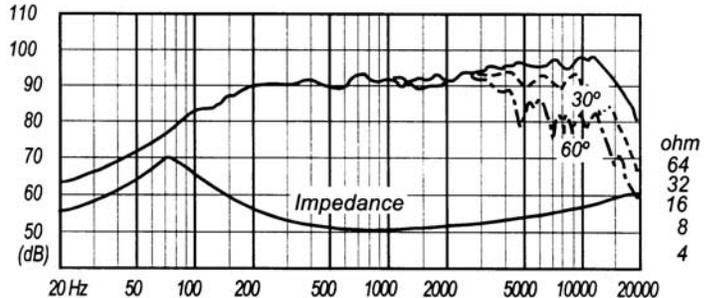


**Fostex**

- 4" FULL RANGE
- Sigma Series
- 8 ohm impedance
- Frequency response to 18kHz
- 92dB sensitivity at 1w/1m
- Flange 128mm
- Cut-out 98mm
- Depth 56mm

Znom	8	ohm
Re	6.5	ohm
Le@1kHz	-	mH
fs	80	Hz
Qms	2.21	
Qes	0.22	
Qts	0.2	
Mms	2.7	g
Cms	-	mm/N

Sd	50.2	cm <sup>2</sup>
BL	-	N/A
Vas	7.07	ltrs
Xmax	0.35	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	92	dB
<b>Nom. Power</b>	<b>15</b>	<b>W</b>
Net weight	980	g



## FE168Σ \$111.15

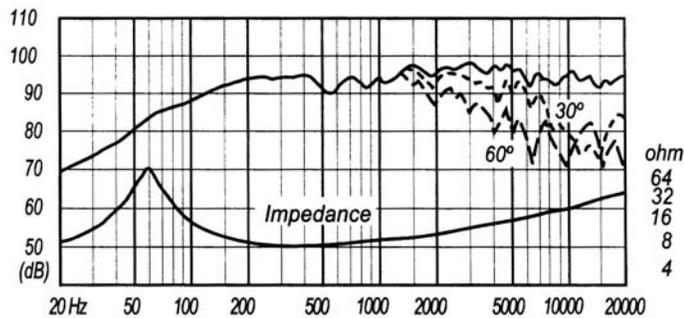


**Fostex**

- 6.5" FULL RANGE
- Sigma Series
- 8 ohm impedance
- Frequency response to 20kHz
- 94dB sensitivity at 1w/1m
- Flange 190mm
- Cut-out 113mm
- Depth 86mm

Znom	8	ohm
Re	7.6	ohm
Le@1kHz	-	mH
fs	60	Hz
Qms	4.53	
Qes	0.4	
Qts	0.37	
Mms	6.5	g
Cms	-	mm/N

Sd	132.7	cm <sup>2</sup>
BL	-	N/A
Vas	15.27	ltrs
Xmax	1.25	mm
VC Ø	-	mm
Sensitivity		
1W / 1m	94	dB
<b>Nom. Power</b>	<b>80</b>	<b>W</b>



## FE208Σ \$139.75

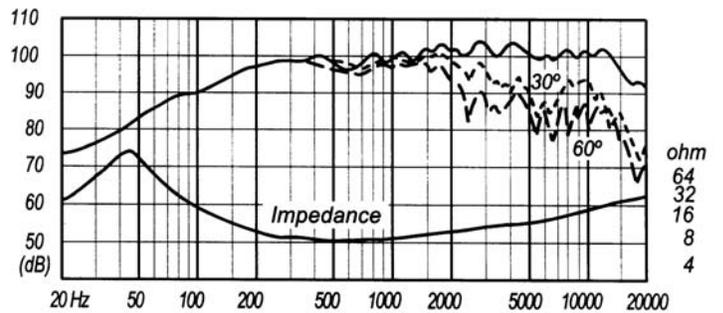


**Fostex**

- 8" FULL RANGE
- Sigma Series
- 8 ohm impedance
- Frequency response to 20kHz
- 96.5dB sensitivity at 1w/1m
- Flange 230mm
- Cut-out 133mm
- Depth 113.5mm

Znom	8	ohm
Re	6.7	ohm
Le@1kHz	-	mH
fs	45	Hz
Qms	4.03	
Qes	0.23	
Qts	0.21	
Mms	12	g
Cms	-	mm/N

Sd	206	cm <sup>2</sup>
BL	-	N/A
Vas	36.9	ltrs
Xmax	1.25	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	96.5	dB
<b>Nom. Power</b>	<b>100</b>	<b>W</b>
Net weight	3800	g



## FE83E \$24.75

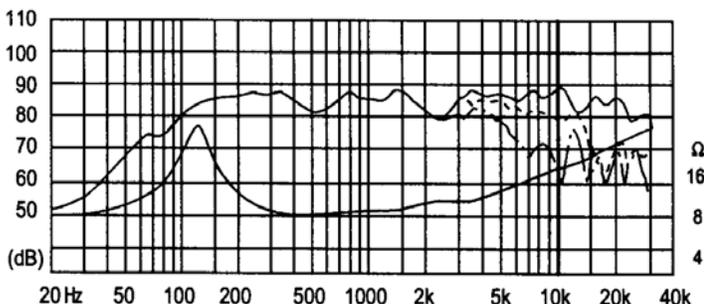


**Fostex**

- 3" FULL RANGE
- Paper cone
- 8 ohm impedance
- Frequency response to 20kHz
- 88dB sensitivity at 1w/1m
- Flange 83mm
- Cut-out 71mm
- Depth 44mm

Znom	8	ohm
Re	7.8	ohm
Le@1kHz	-	mH
fs	140	Hz
Qms	3.99	
Qes	0.98	
Qts	0.78	
Mms	1.38	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	1.29	ltrs
Xmax	0.4	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	88	dB
<b>Nom. Power</b>	<b>10</b>	<b>W</b>
Net weight	360	g



## FE87E \$27.55

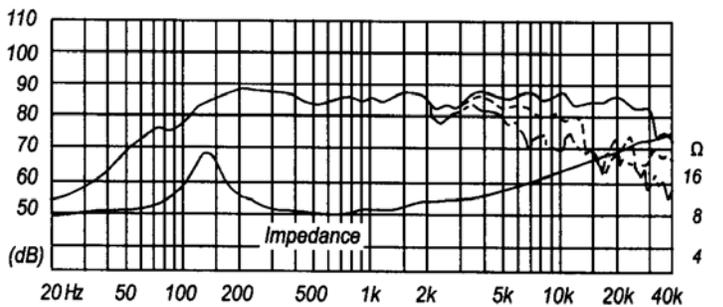


**Fostex**

- 3" SHIELDED FULL RANGE
- Paper cone
- 8 ohm impedance
- Frequency response to 20kHz
- 89dB sensitivity
- Flange 83mm
- Cut-out 70mm
- Depth 45.6mm

Znom	8	ohm
Re	7.7	ohm
Le@1kHz	-	mH
fs	140	Hz
Qms	3.77	
Qes	1.2	
Qts	0.92	
Mms	1.38	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	1.03	ltrs
Xmax	0.4	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	89	dB
<b>Nom. Power</b>	<b>10</b>	<b>W</b>
Net weight	.28	kg



**FE103E \$31.50**



**Fostex**

- 4" FULL RANGE
- Paper cone
- 8 ohm impedance
- Frequency response to 22kHz
- 89dB sensitivity at 1w/1m
- Flange 107mm
- Cut-out 92mm
- Depth 45.6mm

Znom	8 ohm
Re	7.5 ohm
Le@1kHz	- mH
fs	80 Hz
Qms	2.87
Qes	0.41
Qts	0.35
Mms	2.6 g
Cms	- mm/N

Sd	50.2 cm <sup>2</sup>
BL	- N/A
Vas	6.90 ltrs
Xmax	0.4 mm peak
VC Ø	- mm
Sensitivity	
1W / 1m	89 dB
<b>Nom. Power</b>	<b>15 W</b>
Net weight	630 kg

**FE107E \$33.50**

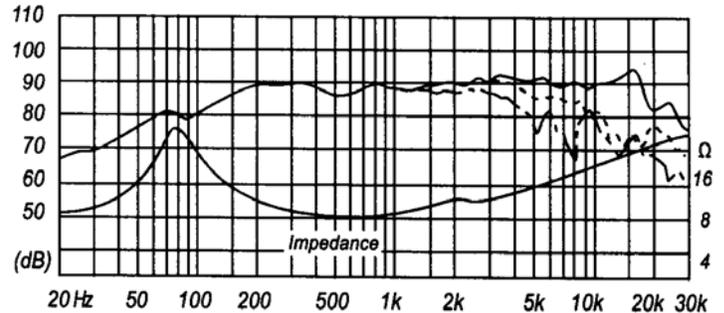
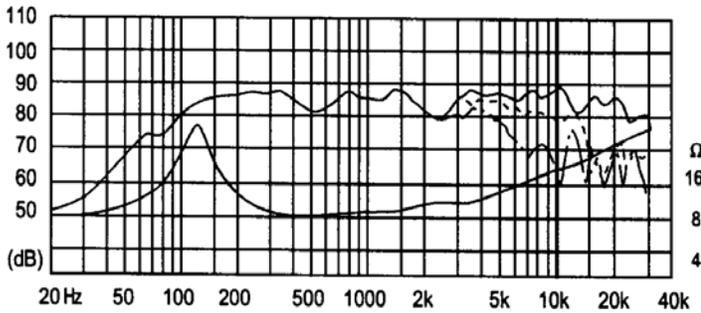


**Fostex**

- 4" SHIELDED FULL RANGE
- Paper cone
- 8 ohm impedance
- 90dB sensitivity 1w/1m
- Frequency response to 22kHz
- Flange 107mm
- Cut-out 92mm
- Depth 54.7mm

Znom	8 ohm
Re	7.6 ohm
Le@1kHz	- mH
fs	80 Hz
Qms	2.56
Qes	0.45
Qts	0.38
Mms	2.6 g
Cms	- mm/N

Sd	50.2 cm <sup>2</sup>
BL	- N/A
Vas	5.95 ltrs
Xmax	0.35 mm peak
VC Ø	- mm
Sensitivity	
1W / 1m	90 dB
<b>Nom. Power</b>	<b>15 W</b>
Net weight	550 g



**FE127E \$36.50**



**Fostex**

- 4.5" SHIELDED FULL RANGE
- FE Series for AV
- 8 ohm impedance
- Frequency response to 20kHz
- Flange 117mm
- Cut-out 102.2mm
- Depth 64.7mm

Znom	8 ohm
Re	7.1 ohm
Le@1kHz	- mH
fs	70 Hz
Qms	2.98
Qes	0.53
Qts	0.45
Mms	2.9 g
Cms	- mm/N

Sd	66.4 cm <sup>2</sup>
BL	- N/A
Vas	11.16 ltrs
Xmax	0.4 mm peak
VC Ø	- mm
Sensitivity	
1W / 1m	91 dB
<b>Nom. Power</b>	<b>45 W</b>
Net weight	570 g

**FE166E \$61.05**

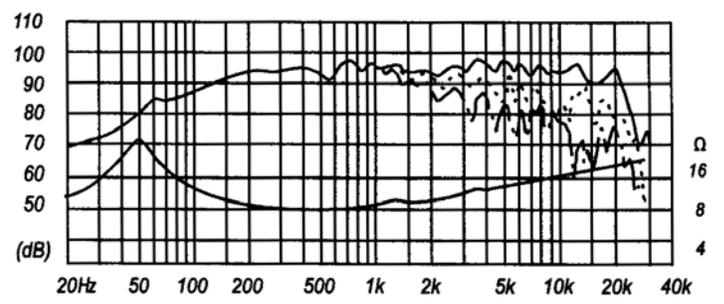
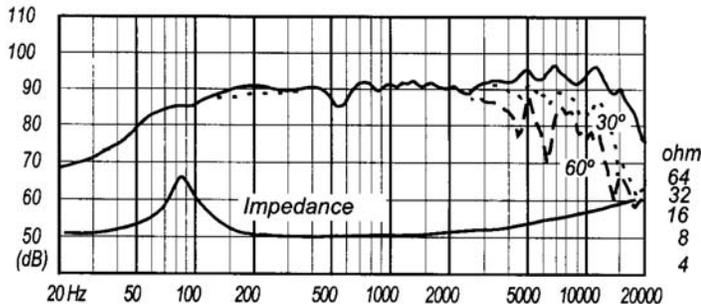


**Fostex**

- 6" FULL RANGE
- Banana pulp yellow cone
- 8 ohm impedance
- 94 db sensitivity
- Frequency response 50 Hz to 22kHz
- Flange 166mm
- Cut-out 157.6mm
- Depth 73.2mm

Znom	8 ohm
Re	7.1 ohm
Le@1kHz	- mH
fs	70 Hz
Qms	3.89
Qes	0.22
Qts	0.21
Mms	6.85 g
Cms	- mm/N

Sd	- cm <sup>2</sup>
BL	8.33 N/A
Vas	11.16 ltrs
Xmax	0.6 mm peak
VC Ø	25 mm
Sensitivity	
1W / 1m	94 dB
<b>Nom. Power</b>	<b>65 W</b>
Net weight	1600 g



**FE167E \$63.25**



**Fostex**

- 6" SHIELDED FULL RANGE
- Banana pulp yellow cone
- 8 ohm impedance
- Frequency response 51.5 to 22 kHz
- Flange 166 mm
- Cut-out 146 mm
- Depth 85 mm

Znom	8	ohm
Re	7.1	ohm
Le@1kHz	-	mH
fs	51.5	Hz
Qms	4.63	
Qes	0.33	
Qts	0.31	
Mms	2.9	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	35.94	ltrs
Xmax	0.6	mm peak
VC Ø	25	mm
Sensitivity		
1W / 1m	94	dB
<b>Nom. Power</b>	<b>65</b>	<b>W</b>
Net weight	1320	g

**FE206E \$84.30**

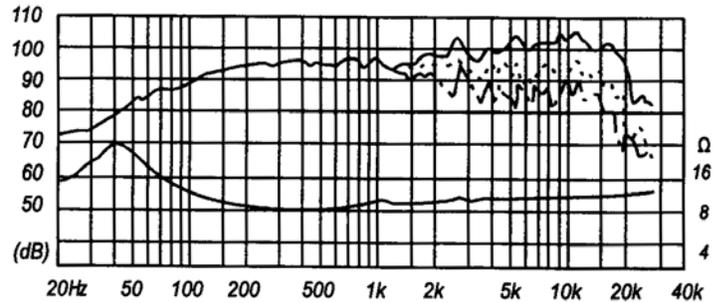
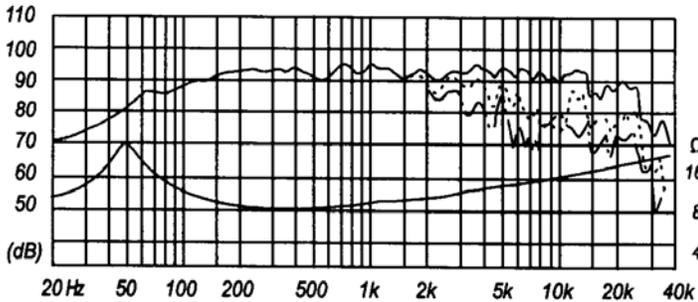


**Fostex**

- 8" FULL RANGE
- Banana pulp yellow cone
- Large 4" magnet
- 8 ohm impedance
- Frequency response 39 Hz to 20kHz
- Flange 208 mm
- Cut-out 185 mm
- Depth 87.5 mm

Znom	8	ohm
Re	6.69	ohm
Le@1kHz	-	mH
fs	39	Hz
Qms	3.73	
Qes	0.18	
Qts	0.18	
Mms	15.3	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	11.16	ltrs
Xmax	1.5	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	96	dB
<b>Nom. Power</b>	<b>90</b>	<b>W</b>
Net weight	3350	g



**FE207E \$86.50**



**Fostex**

- 8" SHIELDED FULL RANGE
- Banana pulp yellow cone
- 8 ohm impedance
- Frequency response from 39kHz to 20kHz
- Flange 208 mm
- Cut-out 182 mm
- Depth 104 mm

Znom	8	ohm
Re	6.73	ohm
Le@1kHz	-	mH
fs	39	Hz
Qms	3.86	
Qes	.28	
Qts	.26	
Mms	15	g
Cms	-	mm/N

Sd	-	cm <sup>2</sup>
BL	-	N/A
Vas	56.25	ltrs
Xmax	1.5	mm peak
VC Ø	35	mm
Sensitivity		
1W / 1m	95	dB
<b>Nom. Power</b>	<b>90</b>	<b>W</b>
Net weight		g

**FF85K \$32.15**

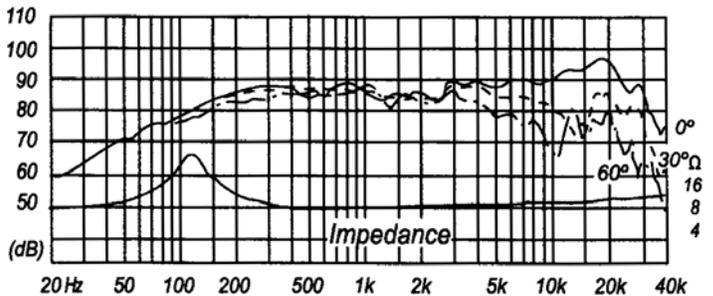
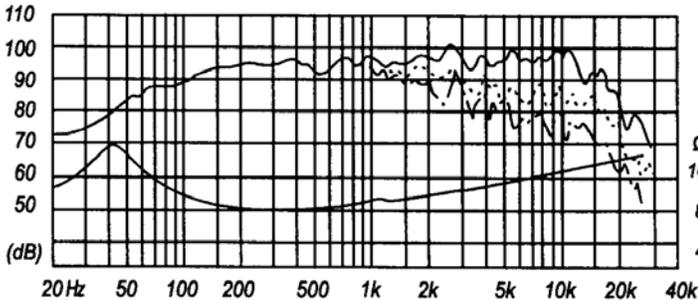


**Fostex**

- 3" FULL RANGE
- 'KENAF' Paper/ Fiber composite cone
- 'UDR' tangential edge
- Frequency response 125 Hz to 32 kHz
- Flange 83 mm
- Cut-out 102.2mm
- Depth 64.7mm

Znom	8	ohm
Re	7.08	ohm
Le@1kHz	-	mH
fs	122	Hz
Qms	5.54	
Qes	0.52	
Qts	0.47	
Mms	1.8	g
Cms	-	mm/N

Sd	66.4	cm <sup>2</sup>
BL	-	N/A
Vas	11.16	ltrs
Xmax	0.4	mm peak
VC Ø	-	mm
Sensitivity		
1W / 1m	88	dB
<b>Nom. Power</b>	<b>10</b>	<b>W</b>
Net weight	570	g



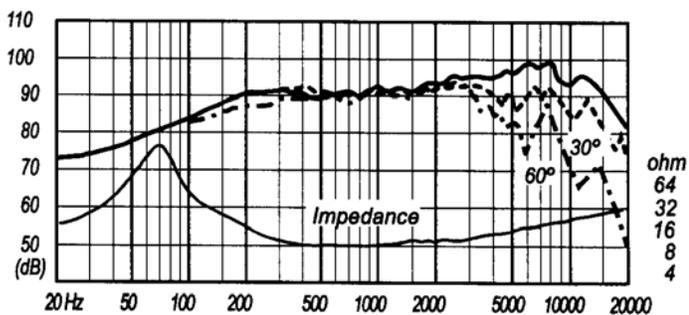
## FF125K \$40.00



- 4.5" FULL RANGE
- 8 ohm impedance
- 92db sensitivity
- Frequency response 72 Hz to 18 kHz
- Flange 117 mm
- Cut-out 112.2mm
- Depth 60.1mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	7.2 ohm	BL	- N/A
Le@1kHz	- mH	Vas	9.12 ltrs
fs	72 Hz	Xmax	0.15 mm peak
Qms	9.04	VC Ø	- mm
Qes	0.27	Sensitivity	
Qts	0.26	1W / 1m	92 dB
Mms	4 g	<b>Nom. Power</b>	<b>50 W</b>
Cms	- mm/N	Net weight	420 g



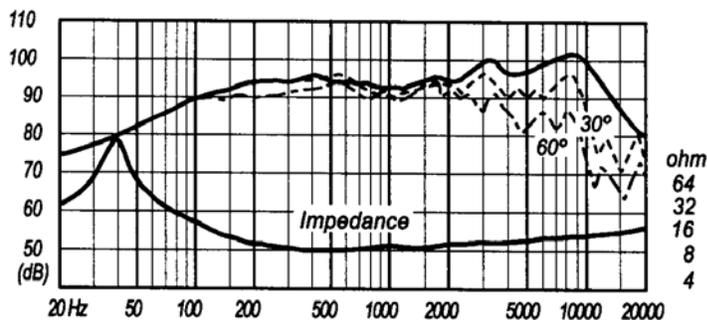
## FF165K \$61.10



- 6.5" FULL RANGE
- 8 ohm impedance
- 94db sensitivity
- Frequency response 40 Hz to 17 kHz
- Flange 166 mm
- Cut-out 157.4 mm
- Depth 73.7mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	7.4 ohm	BL	- N/A
Le@1kHz	- mH	Vas	48.2 ltrs
fs	40 Hz	Xmax	0.3 mm peak
Qms	10.92	VC Ø	- mm
Qes	0.21	Sensitivity	
Qts	0.20	1W / 1m	94 dB
Mms	7.8 g	<b>Nom. Power</b>	<b>70 W</b>
Cms	- mm/N	Net weight	1.6 kg



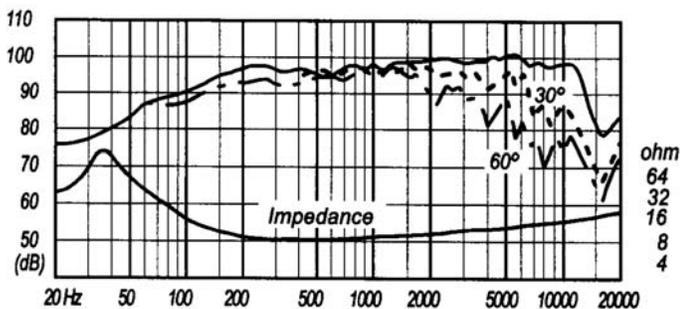
## FF225K \$94.35



- 8" FULL RANGE
- 8 ohm impedance
- 96 db sensitivity
- Frequency response 38 Hz to 14 kHz
- Flange 208 mm
- Cut-out 200 mm
- Depth 93 mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.3 ohm	BL	- N/A
Le@1kHz	- mH	Vas	79.41 ltrs
fs	38 Hz	Xmax	0.3 mm peak
Qms	3.06	VC Ø	- mm
Qes	0.17	Sensitivity	
Qts	0.16	1W / 1m	96 dB
Mms	17.3 g	<b>Nom. Power</b>	<b>100 W</b>
Cms	- mm/N	Net weight	3.72 kg



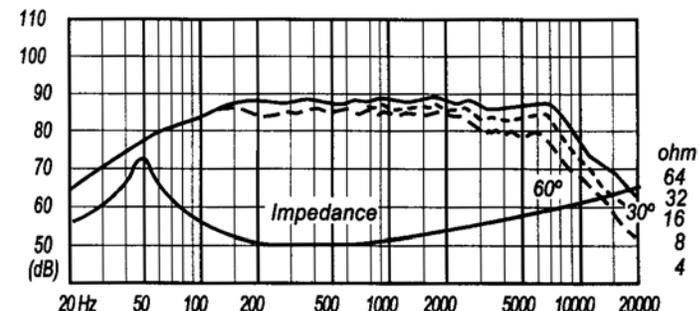
## FW127 \$80.00



- 4.5" Woofer
- 8 ohm impedance
- 87 db sensitivity
- Frequency response 45 Hz to 10 kHz
- Flange 123 mm HEXAGONAL
- Cut-out 104mm
- Depth 64.7mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	7.4 ohm	BL	- N/A
Le@1kHz	- mH	Vas	7.73 ltrs
fs	45 Hz	Xmax	1.85 mm peak
Qms	6.07	VC Ø	- mm
Qes	0.37	Sensitivity	
Qts	0.35	1W / 1m	87 dB
Mms	7 g	<b>Nom. Power</b>	<b>50 W</b>
Cms	- mm/N	Net weight	1.12 kg



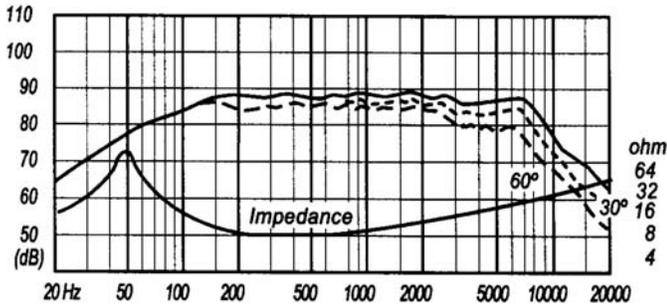
**FW187 \$127.60**



- 7" Woofer
- 90 db sensitivity
- 8 ohm impedance
- Frequency response 30 Hz to 5 kHz
- Flange 194mm HEXAGONAL
- Cut-out 183mm
- Depth 93mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	7.8 ohm	BL	- N/A
Le@1kHz	- mH	Vas	59.9 ltrs
fs	30 Hz	Xmax	4 mm peak
Qms	4.23	VC Ø	- mm
Qes	0.33	Sensitivity	
Qts	0.31	1W / 1m	90 dB
Mms	25 g	<b>Nom. Power</b>	<b>100 W</b>
Cms	- mm/N	Net weight	2.8 kg



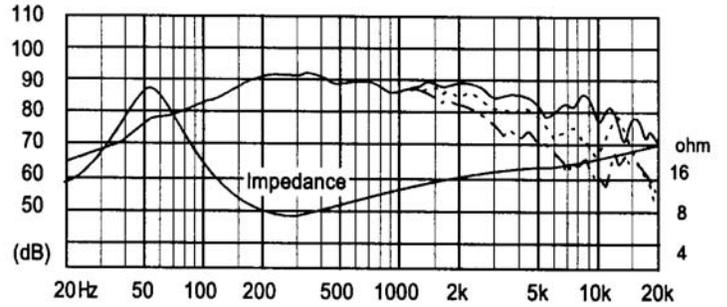
**FW168HP \$230.00**



- 6" Hyperbolic paraboloid shape cone woofer
- Banana pulp yellow cone
- UDR (Up/Down roll) tangential surround
- 55kHz to 10kHz frequency response
- Flange 190mm
- Cut-out 146mm
- Depth 85mm

**Fostex**

Znom	8 ohm	Sd	116.8 cm <sup>2</sup>
Re	5.8 ohm	BL	- N/A
Le@1kHz	- mH	Vas	9.87 ltrs
fs	55 Hz	Xmax	1 mm peak
Qms	2.86	VC Ø	- mm
Qes	0.23	Sensitivity	
Qts	0.22	1W / 1m	90 dB
Mms	19.5 g	<b>Nom. Power</b>	<b>100 W</b>
Cms	- mm/N	Net weight	3550 g



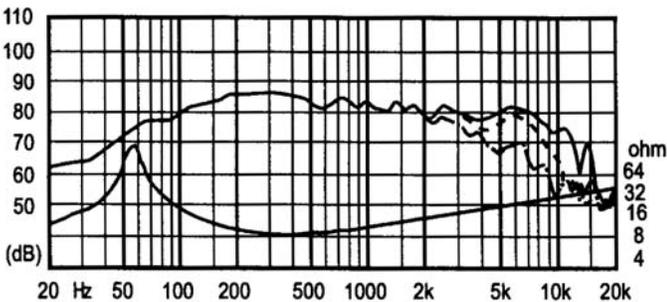
**FW108N \$108.25**



- 4" Woofer
- 8 ohm impedance
- 86 db sensitivity
- Frequency response 55 Hz to 10 kHz
- Flange 128 mm
- Cut-out 100 mm
- Depth 72 mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.3 ohm	BL	- N/A
Le@1kHz	- mH	Vas	4.09 ltrs
fs	55 Hz	Xmax	1.9 mm peak
Qms	8.8	VC Ø	- mm
Qes	0.27	Sensitivity	
Qts	0.26	1W / 1m	86 dB
Mms	6.9 g	<b>Nom. Power</b>	<b>50 W</b>
Cms	- mm/N	Net weight	1.69 kg



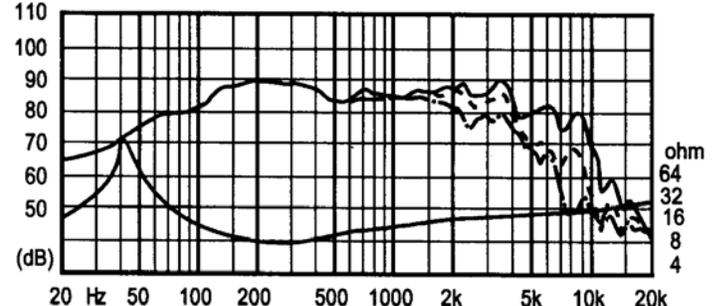
**FW168N \$139.75**



- 6.5" Woofer
- 89 db sensitivity
- 8 ohm impedance
- Frequency response 40 Hz to 9 kHz
- Flange 190 mm
- Cut-out 145 mm
- Depth 98 mm

**Fostex**

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	5.9 ohm	BL	- N/A
Le@1kHz	- mH	Vas	14.25 ltrs
fs	40 Hz	Xmax	0.5 mm peak
Qms	15.67	VC Ø	- mm
Qes	0.17	Sensitivity	
Qts	0.16	1W / 1m	89 dB
Mms	28 g	<b>Nom. Power</b>	<b>100 W</b>
Cms	- mm/N	Net weight	3.87 kg



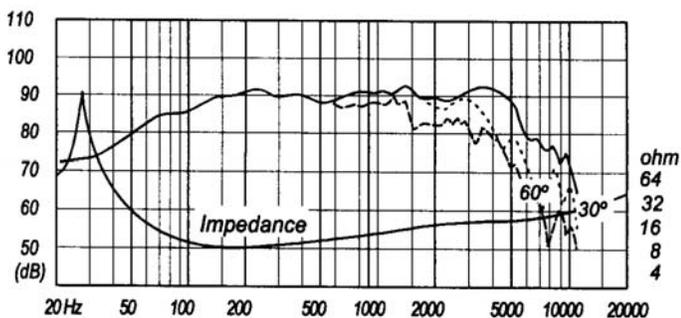
## FW208N \$160.50



- 8" Woofer
- 8 ohm impedance
- 90db sensitivity
- Frequency response 29 Hz to 5 kHz
- Flange 230 mm
- Cut-out 182mm
- Depth 108.75mm

**Fostex**

Znom	8 ohm	Sd	-	cm <sup>2</sup>
Re	5.8 ohm	BL	-	N/A
Le@1kHz	- mH	Vas	43.42	ltrs
fs	29 Hz	Xmax	6.5	mm peak
Qms	13.2	VC Ø	-	mm
Qes	0.21	Sensitivity		
Qts	0.2	1W / 1m	90	dB
Mms	40 g	<b>Nom. Power</b>	<b>100 W</b>	
Cms	- mm/N	Net weight	4.62	kg



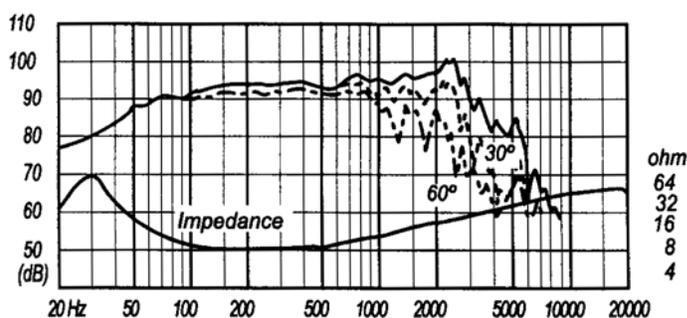
## FW305 \$210.65



- 12" Woofer
- 8 ohm impedance
- 95db sensitivity
- Frequency response 25 Hz to 3.5 kHz
- Flange 312 mm
- Cut-out 278 mm
- Depth 120.5 mm

**Fostex**

Znom	8 ohm	Sd	-	cm <sup>2</sup>
Re	6.6 ohm	BL	-	N/A
Le@1kHz	- mH	Vas	254	ltrs
fs	25 Hz	Xmax	4.8	mm peak
Qms	2.73	VC Ø	-	mm
Qes	0.28	Sensitivity		
Qts	0.25	1W / 1m	95	dB
Mms	55 g	<b>Nom. Power</b>	<b>125 W</b>	
Cms	- mm/N	Net weight	5	kg



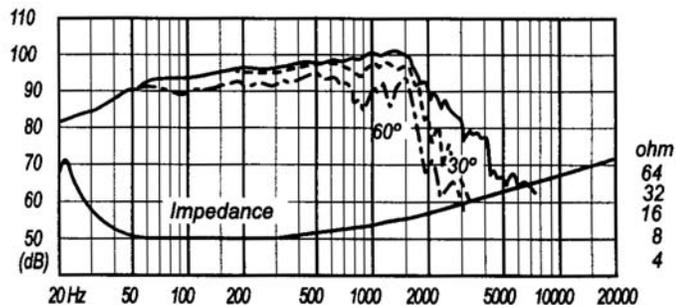
## FW405 \$310.45



- 16" Woofer
- 96db sensitivity
- 8 ohm impedance
- Frequency response 20 Hz to 2.5 kHz
- Flange 395mm
- Cut-out 354mm
- Depth 140.4mm

**Fostex**

Znom	8 ohm	Sd	-	cm <sup>2</sup>
Re	6.8 ohm	BL	-	N/A
Le@1kHz	- mH	Vas	595	ltrs
fs	20 Hz	Xmax	7.0	mm peak
Qms	4.99	VC Ø	-	mm
Qes	0.36	Sensitivity		
Qts	0.34	1W / 1m	96	dB
Mms	125 g	<b>Nom. Power</b>	<b>150 W</b>	
Cms	- mm/N	Net weight	7.8	kg



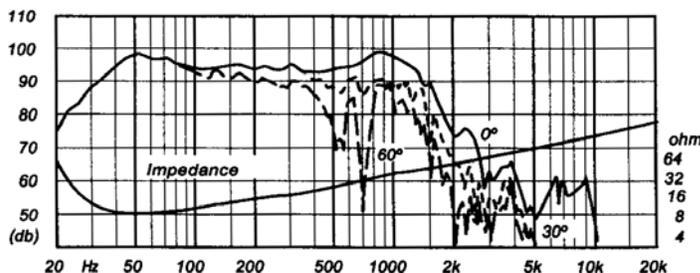
## FW800N \$2,446.00



- 31.5" Super Woofer
- 96db sensitivity
- 8 ohm impedance
- Frequency response 18 Hz to 1.5 kHz
- Flange 800mm
- Cut-out 748mm
- Depth 291mm

**Fostex**

Znom	8 ohm	Sd	-	cm <sup>2</sup>
Re	6.8 ohm	BL	-	N/A
Le@1kHz	- mH	Vas	3201.1	ltrs
fs	18 Hz	Xmax	2.3	mm peak
Qms	8.5	VC Ø	-	mm
Qes	0.76	Sensitivity		
Qts	0.69	1W / 1m	96	dB
Mms	440 g	<b>Nom. Power</b>	<b>450 W</b>	
Cms	- mm/N	Net weight	20.7	kg



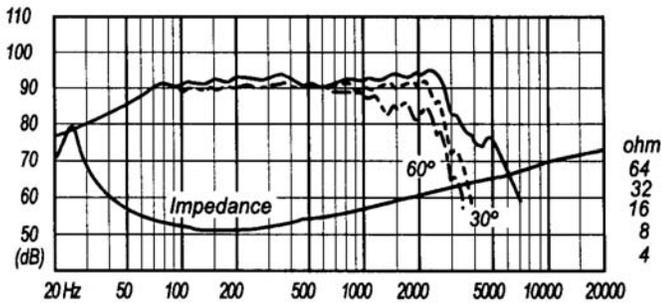
**W300A \$790.65**



- 12" Woofer
- 93db sensitivity
- 8 ohm impedance
- Frequency response 25 Hz to 3kHz
- Flange 312mm
- Cut-out 278mm
- Depth 146mm

**Fostex**

Znom	8 ohm	Sd	-	cm <sup>2</sup>
Re	7.0 ohm	BL	-	N/A
Le@1kHz	-	Vas	227	ltrs
fs	25 Hz	Xmax	6.5	mm peak
Qms	9.17	VC Ø	-	mm
Qes	0.29	Sensitivity		
Qts	0.28	1W / 1m	93	dB
Mms	92.7 g	<b>Nom. Power</b>	<b>150</b>	<b>W</b>
Cms	-	Net weight	6.3	kg



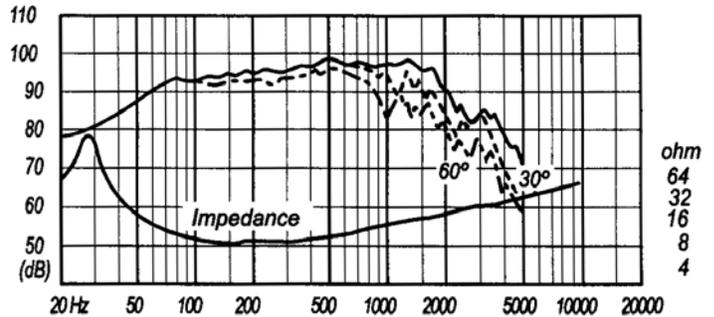
**W400A \$1,238.50**



- 16" Woofer
- 97db sensitivity
- 8 ohm impedance
- Frequency response 25 Hz to 2.5 kHz
- Flange 395mm
- Cut-out 354mm
- Depth 192mm

**Fostex**

Znom	8 ohm	Sd	-	cm <sup>2</sup>
Re	6.8 ohm	BL	-	N/A
Le@1kHz	-	Vas	312.3	ltrs
fs	25 Hz	Xmax	7.0	mm peak
Qms	14.94	VC Ø	-	mm
Qes	0.32	Sensitivity		
Qts	0.32	1W / 1m	97	dB
Mms	134.5 g	<b>Nom. Power</b>	<b>200</b>	<b>W</b>
Cms	-	Net weight	15.2	kg



**R80B \$21.10**



- 8 ohm Attenuator
- Attenuation 0 to 40 db or more
- Input 100 watts
- Flange 50x 50 mm SQUARE
- Depth 71mm

**Fostex**

**R82B \$36.75**



- 8 ohm Attenuator
- Attenuation 0 to 40 db or more
- Input 200 watts
- Flange 50x 50 mm SQUARE
- Depth 89mm

**Fostex**

**R100T \$170.90**



- Transformer type Attenuator
- Attenuation 0 to 21 db (1 db step)
- Input 100 watts
- Flange 88mm x 90mm
- Depth 170mm

**Fostex**



Visit our web site for four folded horn designs:  
[www.madisound.com](http://www.madisound.com).

## SEAS THOR KIT



THOR is the new top-of-the-line loudspeaker kit from SEAS. It is a full range, floor-standing system that provides the very highest level of acoustic performance.

This kit uses two W18E001 woofers and a single T25CF002 "MILLENNIUM" tweeter mounted in a D'Appolito configuration.

The enclosure uses a newly developed transmission line configuration, derived both from sophisticated computer modeling, and extensive experimentation. The line is tapered, and filled with Dacron stuffing. The two W18E001 woofers excite the line at slightly different points, smoothing the response and increasing the range of

bass output. Usable in-room bass response extends well into the low 30Hz range. Our cabinets are 45 1/2" T x 9" W x 14 1/4" D.

The crossover network is conventional except for a parallel circuit which suppresses the response peak due to the magnesium cone. The crossover frequency is 2.5kHz. Nordost 2-Flat wire supplied with kit.

THOR was designed by Dr. Joseph D'Appolito, who is world-renowned for his pioneering work on MTM-based loudspeaker configurations.

**Price per pair with cabinets \$1550.00 (Clear or Black Oak)**  
**Price per pair w/o cabinets \$960.00**

**Upgraded crossovers (Goertz coils, Musicaps) Add \$200.00**  
**Shielded Kit using W18E-001/TV woofers; Add \$25.92**

## SEAS ODIN MK3 KIT



The Odin Mk3 is a completely redesigned version of the very popular Odin kit, utilizing the latest drive unit technologies from the Excel product line. This kit uses two W18E001 woofers and a single T25CF002 "MILLENNIUM" tweeter mounted in a D'Appolito configuration.

The cabinet is a bass reflex design with the vent placed in the rear. This directs any potential vent noises away from the listener, and allows for minimum baffle area in the front. The port tube is supported by an internal baffle which helps maintain equal air flow on each end of the tube, and also serves as

additional cabinet bracing. The port tuning frequency is 31Hz. Cabinet dimensions are 22" T x 9 1/2" W x 14 1/4" D (We are just now having cabinets made and their dimensions might be slightly different than these.)

The crossover network is conventional except for a parallel circuit which suppresses the response peak due to the magnesium cone. The crossover frequency is 2.5kHz.

The Odin Mk3 was designed by Dr. Joseph D'Appolito, and was developed as a companion kit to the Thor transmission line system.

**Price per pair with cabinets \$1340.00 (Clear or Black Oak)**  
**Price per pair w/o cabinets \$960.00**

**Upgraded crossovers (Goertz coils, Musicaps) Add \$200.00**  
**Shielded Kit using W18E-001/TV woofers; Add \$25.92**

## SEAS FROY MK3 KIT



The FROY MK3 is a new and improved version of the original FROY kit; utilizing the latest drive unit technologies from the Excel product line. This kit uses two W15CY001 woofers and a single T25CF002 "MILLENNIUM" tweeter mounted in a D'Appolito configuration.

The cabinet is a bass reflex design with the vent placed in the rear. This directs any potential vent noises away from the listener, and allows for minimum baffle area in the front. The port tube is constructed of two MDF boards which also serve as additional bracing for the cabinet.

Our cabinet is 18 1/2" T x 8" W x 11 1/2" D.

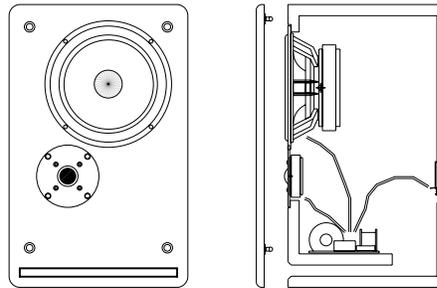
The crossover network is conventional except for a parallel circuit which suppresses the response peak due to the magnesium cone. The crossover frequency is 2.2kHz.

The FROY Mk3 was designed by Murray Zeligman, who also designed the original FROY kit. Murray offers the following comments.

*"The vented box is tuned about 15% lower than the ubiquitous QB3 alignment to yield a better damped bass response. Several hundred hours of laboratory testing and listening have gone into this system. You literally can't tell where the woofers leave off and the tweeter begins."*

**Price per pair with cabinets \$1145.00 (Clear or Black Oak)**  
**Price per pair w/o cabinets \$835.00**

## CYGNET MK2 KIT



The CYGNET MK2 is a 2-way speaker using the Seas 8" P21RF/P woofer and the Seas 1" dome 27TFFC tweeter. This speaker was designed to provide a full range of sound, providing adequate bass response without sacrificing midrange response. The smooth

upper roll off of the woofer allows for a seamless transition from the low to the high frequencies. Voicing and imaging have not been compromised in this system.

The P21RF/P has an injection molded magnesium frame, high loss rubber surround and polypropylene cone. The bullet shaped phase plug reduces compression and avoids resonances that usually occur between the dust cap and the pole piece. The 2" diameter voice coil insures good heat dissipation and better power handling.

The 27TFFC tweeter uses a new Sonotex fabric dome, in which the dome and the surround are vacuum formed together as a single piece. The voice coil is wound on a perforated former and is immersed in magnet fluid.

The cabinets are particle board with an oak veneer and solid oak corners. A black grill covers the front. 19" T x 12" W x 10.5" D

The Series crossover uses polypropylene caps and Eagle resistors.

**Price per pair with cabinets \$450.00 (Clear or Black Oak)**  
**Price per pair w/o cabinets \$230.00**

# seas

www.seas.no

Model	Size Description		Fs Hz	Qts	Vas Liters	X-max mm Peak	Power Watts	Sens. 1W/1 Mdb	Cost Per Unit
<b>EXCEL Premium Series</b>				Voice Coil					
T25CF 001 <i>Excel</i> (E006)	25mm Sonotex fabric dome tweeter with chamber	6	750	H9920 \$23.50			90	90	\$71.00
T25CF 002 (E011)	Millennium tweeter, 25mm Sonotex dome	6	500	H9929 \$23.50			90	88	\$149.00
W12CY 001 <i>Excel</i> (E021)	4.5" magnesium cone woofer with copper phase plug	8	46	.32	5.8	3	70	85	\$127.20
W15CY 001 <i>Excel</i> (E015)	5.5" magnesium cone woofer with copper phase plug	8	37	.34	13.5	4	70	86	\$128.70
W18E 001 <i>Excel</i> (E018)	7" magnesium cone woofer with copper phase plug	8	31	.34	37	5	100	86.5	\$143.80
W18E 001/TV <i>Excel</i> (E027)	Shielded 7" magnesium cone woofer, CU phase plug	8	29	.29	56	5	100	87.5	\$151.00
W18EX 001 <i>Excel</i> (E017)	As above but with larger magnet	8	31	.24	37	5	100	88	\$152.60
W22EX 001 <i>Excel</i> (E022)	As above but with larger magnet	8	27	.34	75	5	120	90	\$162.80
W26FX 001 <i>Excel</i> (E026)	10" aluminum alloy cone with copper phase plug	8	20	.35	161	7	150	87	\$238.50
<i>Tweeters - We have replacement voice coils for most Seas tweeters.</i>									
25TAFN/QG (H623)	25mm alum. dome tweeter, neodymium magnet, grill	6	1800	Voice Coil			100	89	\$22.55
19TAF/D (H561)	19mm aluminum dome tweeter w/diffuser	8	1700	H9906 \$14.00			80	87	\$19.95
19TFF1 (H737)	19mm textile dome tweeter	8	1700	H???? \$12.65			80	87	\$18.00
20TFF (H830)	20mm coated textile dome tweeter	8	1500	H9925 \$12.65			80	89	\$18.65
25TFFC (H519)	25mm textile dome tweeter w/chamber	6	1200	H9908 \$11.05			80	90	\$23.80
25TAF/G (H398)	25mm aluminum dome tweeter with grill	6	1400	H9909 \$13.70			100	90	\$22.75
25TAC/G (H400)	25mm alum. dome tweeter with chamber & grill	6	660	H9909 \$13.70			55	91	\$25.35
25T AFC/D (H537)	25mm alum. dome tweeter with chamber & grill	6	1200	H9910 \$13.65			90	90	\$24.90
25TAF/DTV (H569)	25mm shielded alum. dome tweeter with diffuser	6	1600	H9910 \$13.65			100	88.5	\$28.15
27TDC (H1149)	27mm textile dome tweeter, chambered, non-FF	6	550	?			55	90	\$28.80
27TFF (H831)	27mm coated textile dome tweeter	6	1200	H9918 \$9.35			90	92	\$21.40
27TFF/TV (H857)	Shielded 27mm coated textile dome tweeter	6	1200	H9918 \$9.35			90	91	\$26.70
27TFFC (H881)	27mm coated textile dome tweeter w/chamber	6	900	H9918 \$9.35			80	91	\$25.75
27TAF/G (H882)	27mm alum. alloy dome tweeter with grill	6	1200	H9924 \$11.60			100	91	\$25.45
27T AFC/G (H883)	27mm alum. alloy dome tweeter w/chamber, grill	6	900	H9924 \$11.60			90	90	\$29.75
<b>Midranges</b>									
MCA11RC (H143)	4.5" treated paper cone midrange	8	140	.72	1.3	.9	110	89	\$37.60
MP12VC (H453)	5" poly cone, PVC surround, glass fibre plastic frame	8	90	.44	2.9	.9	90	89.5	\$32.50
MP14RCY (H422)	5" poly cone midrange	8	42	.20	17.2	3	110	90	\$39.05
MP14RCY/P (H522)	5" poly cone with phase plug	8	43	.18	16.6	3	120	90	\$39.70
K2852 and K2851	Chamber for 11cm drivers: \$2.00	Chamber for 14cm drivers: \$3.00							
<i>Woofers - All woofers feature injection molded magnesium frames and rubber surrounds.</i>									
CA11RCY (H149)	4.5" treated paper cone woofer	8	58	.24	5.4	3	60	86	\$40.20
L11RC/P (H759)	4.5" aluminum cone woofer	8	53	.30	4.6	3	70	85	\$46.45
P11RC (H454)	4.5" poly cone woofer	8	55	.34	5.3	3	60	84.5	\$34.45
P11RCY (H455)	4.5" poly cone woofer, large magnet	8	55	.23	5.3	3	60	86	\$37.20
P14RC (H395)	5" poly cone woofer	8	40	.28	18.9	3	60	89	\$35.25
P14RCY (H393)	5" poly cone woofer, large magnet	8	40	.19	18.9	3	60	90	\$38.90
P14RC/TV (H626)	Shielded Magnet 5" poly cone woofer	8	40	.21	18.9	3	60	89.5	\$44.30
L14RC/P (H761)	5" aluminum cone woofer with phase plug	8	39	.31	14	4	80	85.5	\$51.10
G15RLY/P (H1106)	5" fiberglass cone woofer with phase plug	8	49	.30	9.4	5	80	86	\$55.00
CB17RCY/P (H571)	6.5" treated paper cone woofer w/phase plug	8	38	.27	34.9	3	75	91	\$44.95
P17RC (H353)	6.5" poly cone woofer	8	35	.32	40.8	3	60	89	\$37.60
P17RCY (H352)	6.5" poly cone woofer, large magnet	8	35	.23	40.8	3	60	91	\$41.20
P17RC/TV (H627)	Shielded 6.5" poly cone woofer	8	35	.27	40.7	3	60	90	\$45.85
P17RE (H419)	6.5" poly cone woofer	8	34	.33	30.5	3	80	87.5	\$42.15
P17RE/TV (H690)	Shielded 6.5" poly cone woofer	8	34	.27	30.5	3	80	88.5	\$51.95
P17REX (H416)	6.5" poly cone woofer with large voice coil	8	34	.24	30.5	3	80	89	\$44.90
L18RCY/P (H1085)	6.5" aluminum cone woofer with phase plug	8	43	.44	25.3	6	90	88	\$61.75
G18RNX/P (H1100)	6.5" fiberglass cone woofer with phase plug	8	32	.28	39	6	110	86.5	\$59.20
CA21RE (H397)	8" paper cone woofer	8	31	.48	81.3	3	80	91	\$51.35

CA21REX (H333)	8" Paper cone woofer (used in Seas NJORD kit)	8	31	.34	81.3	3	80	93	\$55.20
L21RNX/P (H955)	8" aluminum cone woofer with phase plug	8	28	.36	73	6	110	87.5	\$65.25
L21RN4X/P (H956)	8" aluminum cone woofer w/phase plug and 4 layer VC	8	23	.28	77	7	125	86.5	\$67.90
P21REX (H282)	8" poly cone woofer with 1.5" VC	8	33	.37	68.9	3	80	91	\$53.35
P21RF/P (H511)	As above with phase plug and 2" diameter voice coil	8	34	.34	48.3	4	125	88	\$60.20
P21RFX/P (H512)	Larger magnet version of above	8	34	.23	48.3	4	125	90	\$64.60
P21RE4X/DC (H442)	Dual VC 8" poly cone woofer	8/8	31	.30	66.4	3	90	90	\$62.75
25F-EW (H085)	10" paper cone Repl. for Dynaco A25 Speaker	8	26	.35	175	4	70	89	\$52.55
CA25RE4X/DC (H372)	Dual VC 10" treated paper cone woofer	8/8	25	.31	187.9	4	90	91	\$63.90
P25REX (H283)	10" poly cone woofer	8	27	.44	156.8	3	80	93	\$60.75
<b>Passive Radiators</b>									
SP17R (H9928)	6.5" passive radiator		26		41	9.5			\$26.80
SP21R (H9901)	8" passive radiator		22		138	10			\$33.25
SP25R (H9902)	10" passive radiator		22		214	12.5			\$38.95
<b>Coaxial Drivers - The tweeter is mounted at the base of the woofer cone.</b>									
MP14RE COAX/F (H487)	5" coaxial MP14RE woofer / 25TFFN/G tweeter in a coincidental configuration.	T6 W8	T1.8K W84	W .30	W 3.6	W 1	T90 W110	T89 W89	\$71.80
T17REX COAX/F (H723)	6.5" coaxial T17RE woofer / 25TFFN/G tweeter in a coincidental configuration. (Clear cone woofer)	T6 W8	T1.8K W38	W .29	W 20.8	W 3	T90 W80	T89 W87.5	\$81.10
T17RE COAX/TVF (H825) (shielded)	Same as above, but with a bucking magnet and shielding cup for use near CRT's	T6 W8	T1.8K W38	W .31	W 20.8	W 3	T90 W90	T89 W87	\$87.35
P17REX COAX/F (H489)	6.5" coaxial P17REX woofer / 25TFFN/G tweeter in a coincidental configuration.	T6 W8	T1.8K W35	W .25	W 26.9	W 3	T90 W100	T89 W89	\$73.65
P17RE COAX/TVF (H653) (shielded)	Same as above, but with a bucking magnet and shielding cup for use near CRT's	T6 W8	T1.8K W35	W .31	W 26.9	W 3	T90 W100	T89 W89	\$82.40
<b>Lotus Premium Automotive Speakers</b>									
CT25AF 001 (L0001)	Lotus 25mm aluminum dome tweeter, Neo. magnet	6	750	-	-	-	100	88	\$125.00
CW17E 001 (L0010)	Lotus 7" magnesium cone woofer with phase plug	4	54	.35	16.3	4	100	88	\$197.00
CW21EX 001 (L0011)	Lotus 8" aluminum cone subwoofer with phase plug	4	32	.35	31.9	6	150	87	\$205.00
The Reference (L5001)	(2x) CW17E001 woofers, (2x) CT25AF001 tweeters, (2x) HPF & LPF crossovers, (2x) White glove								\$830.00
CW17PG (L9302)	Grill for CW17 without logo								\$19.75
CW17PG/L (L9301)	Grill for CW17 with Lotus logo								\$9.75
HPF (L9001)	High Pass Crossover for CT25AF001 tweeter, 1900Hz @ 12dB								\$41.00
LPF (L9002)	Low Pass Crossover for CW17E001 woofer, 1900Hz @ 6dB with Notch Filter								\$44.00



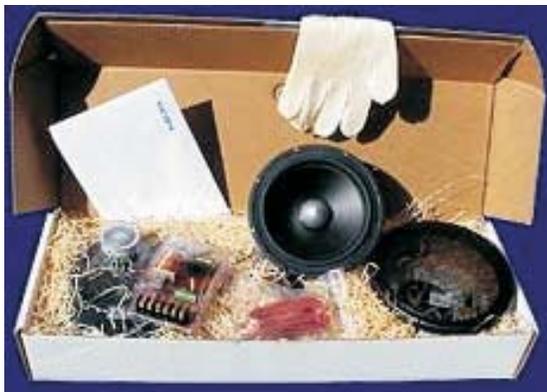
Lotus CT25AF001 (L0001)



Lotus CW17E001 (L0010)



Lotus C21EX001 (L0011)



Lotus "The Reference" System



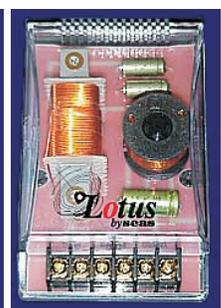
CW17PG Grill



CW17PG/L Grill



Lotus HPF  
High Pass  
Crossover  
12dB@1900Hz



Lotus LPF  
Low Pass  
Crossover  
6dB@1900Hz  
Notch Filter

## Excel T25FC-001 E006

This 25mm dome tweeter features the proprietary SONOTEX fabric dome. SONOTEX is only manufactured by Seas and is pre-coated 4 times with a damping/sealing material, resulting in excellent acoustic performance and consistency. The T25-001 has a silver wire voice coil, tinsel leads, gold plated terminals and magnetic fluid cooling/lubricant. The T25-001 has a double magnet, one added in reverse for use in A/V systems. The complex shape chamber reduces resonance and interior reflections.



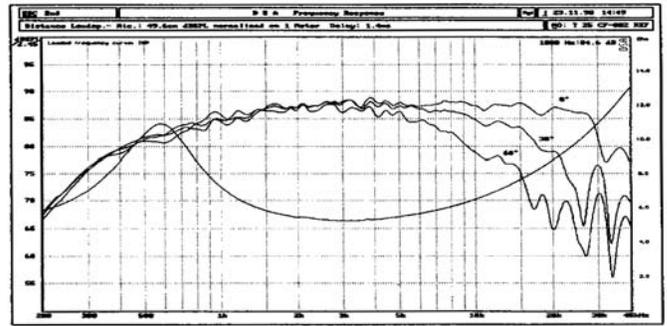
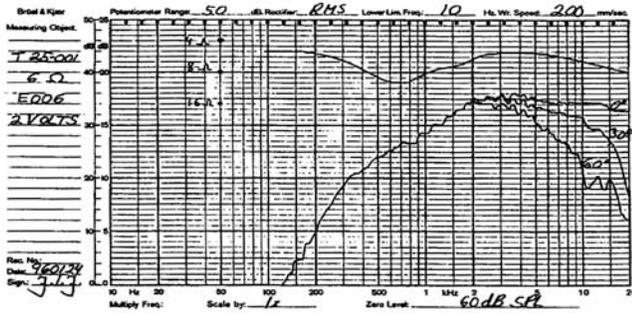
Nominal Impedance	8 Ohms	Voice coil resistance	4.3 Ohms
Recom. frequency range	2000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	200 W	Force factor	3.5 N/A
Long term max. power	90 W	Free air resonance	750 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	0.33 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.34 Kg	Qes	-
Total weight	0.76 Kg	Qts	-

## Excel T25CF-002 E011

"The Millennium" This 25mm dome tweeter features the proprietary SONOTEX fabric dome. You can expect extremely precise, realistic reproduction and excellent acoustic performance and consistency from the T25CF-002. Equipped with flexible lead-out wires, underhung voice coil for low distortion, tinsel leads, gold plated terminals, and Neodymium based HEXADYM magnet system. Low viscosity magnetic fluid is used for cooling and high power handling. Its low free air resonance is below that of most dome tweeters. Unique molded zinc rear chamber eliminates unwanted interior resonances.



Nominal Impedance	6 Ohms	Voice coil resistance	4.7 Ohms
Recom. frequency range	2000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	200 W	Force factor	3.1 N/A
Long term max. power	90 W	Free air resonance	500 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	0.37 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7 sq. cm
Air gap height	2.5 mm		
Linear coil travel (p-p)	1.0 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	.29 Kg	Qes	-
Total weight	0.36 Kg	Qts	-

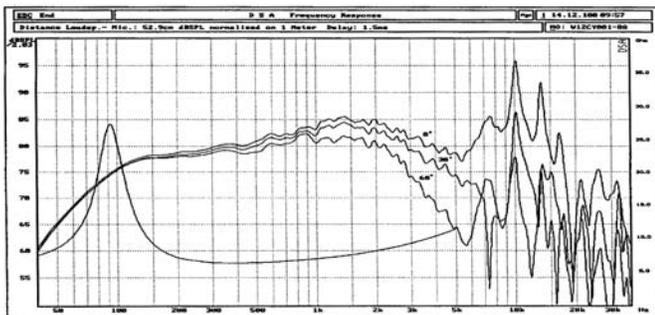


## Excel W12CY-001 E021

This 4.5" woofer features a light, yet stiff magnesium cone for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A large magnet system is used for improved sensitivity and transient response.



Nominal Impedance	8 Ohms	Voice coil resistance	5.6 Ohms
Recom. frequency range	60-3500 Hz	Voice coil inductance	0.3 mH
Short term max. power	200 W	Force factor	5.6 N/A
Long term max. power	70 W	Free air resonance	46 Hz
Sensitivity (1W/1m)	85 dB	Moving mass	7.0 g
		Suspension compliance	1.7 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.0 Ns/m
Voice coil height	12 mm	Effective piston area	50 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	5.8 Liters
Max. coil travel (p-p)	9 mm	Qms	2.2
Magnet weight	0.42 Kg	Qes	0.37
Total weight	1.21 Kg	Qts	0.32

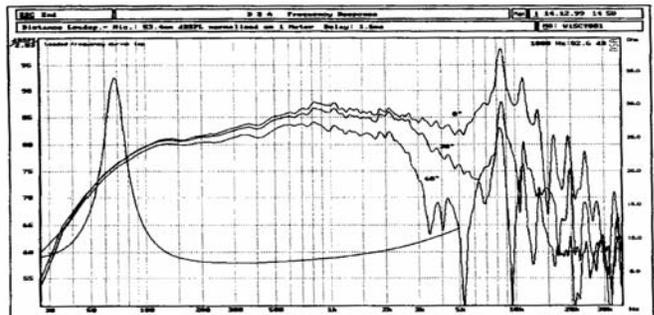


## Excel W15CY-001 E015

This 5" woofer features a light, yet stiff magnesium cone for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A large magnet system is used for improved sensitivity and transient response.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	50-3000 Hz	Voice coil inductance	0.37 mH
Short term max. power	200 W	Force factor	5.8 N/A
Long term max. power	70 W	Free air resonance	37 Hz
Sensitivity (1W/1m)	86 dB	Moving mass	10.0 g
		Suspension compliance	1.7 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.5 Ns/m
Voice coil height	14 mm	Effective piston area	75 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	8.0 mm	Vas	13.5 Liters
Max. coil travel (p-p)	14 mm	Qms	2.10
Magnet weight	0.42 Kg	Qes	0.40
Total weight	1.35 Kg	Qts	0.34



## Excel W18E-001 E018

This 7" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A large magnet system is used for improved sensitivity and transient response.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	40-2500 Hz	Voice coil inductance	0.4 mH
Short term max. power	250 W	Force factor	7.2 N/A
Long term max. power	100 W	Free air resonance	31 Hz
Sensitivity (1W/1m)	86.5 dB	Moving mass	15.5 g
		Suspension compliance	1.6 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.4 Ns/m
Voice coil height	16 mm	Effective piston area	126 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	10.0 mm	Vas	37 Liters
Max. coil travel (p-p)	19 mm	Qms	2.50
Magnet weight	0.42 Kg	Qes	0.39
Total weight	1.75 Kg	Qts	0.34

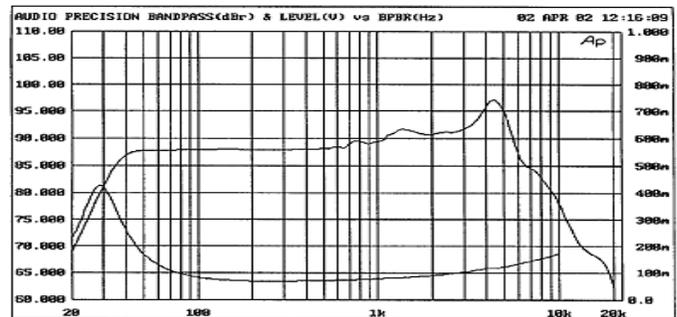


## Excel W18E-001/TV E027

This **shielded magnet 7" woofer** features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. This speaker has been optimized for use in home theater systems or used near CRT's.



Nominal Impedance	8 Ohms	Voice coil resistance	5.9 Ohms
Recom. frequency range	40-2500 Hz	Voice coil inductance	0.4 mH
Short term max. power	250 W	Force factor	7.2 N/A
Long term max. power	100 W	Free air resonance	29 Hz
Sensitivity (1W/1m)	86.5 dB	Moving mass	14.4 g
		Suspension compliance	2.1 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.4 Ns/m
Voice coil height	16 mm	Effective piston area	126 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	10.0 mm	Vas	47 Liters
Max. coil travel (p-p)	19 mm	Qms	2.27
Magnet weight	0.42 Kg	Qes	0.33
Total weight	1.75 Kg	Qts	0.29

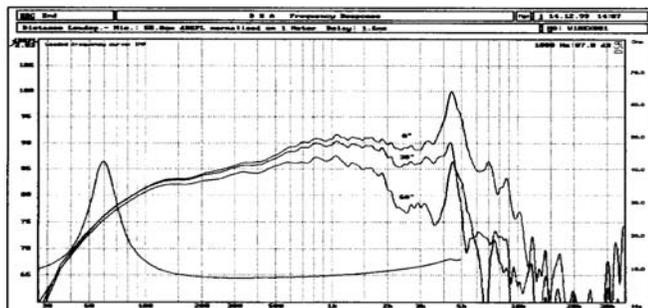


## Excel W18EX-001 E017

This 7" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A larger magnet system is used for improved sensitivity, transient response and lower Qts.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	40-2500 Hz	Voice coil inductance	0.4 mH
Short term max. power	250 W	Force factor	8.6 N/A
Long term max. power	100 W	Free air resonance	31 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	15.5 g
		Suspension compliance	1.6 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.7 Ns/m
Voice coil height	16 mm	Effective piston area	126 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	10.0 mm	Vas	37 Liters
Max. coil travel (p-p)	19 mm	Qms	2.0
Magnet weight	0.64 Kg	Qes	0.27
Total weight	2.15 Kg	Qts	0.24

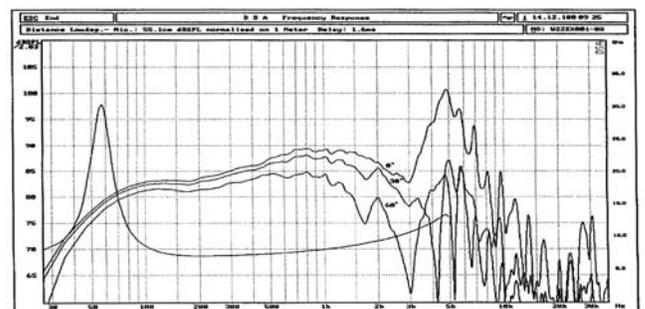


## Excel W22EX-001 E022

This 8" woofer features a light, yet stiff **magnesium cone** for bass precision and midrange detail. The cone is attached to the magnesium cast frame by a natural rubber surround that shows no sign of midrange (edge) resonance. Heavy copper coils mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. A larger magnet system is used for improved sensitivity, transient response and lower Qts.



Nominal Impedance	8 Ohms	Voice coil resistance	6.0 Ohms
Recom. frequency range	30-2000 Hz	Voice coil inductance	0.5 mH
Short term max. power	300 W	Force factor	9.0 N/A
Long term max. power	120 W	Free air resonance	27 Hz
Sensitivity (1W/1m)	90.5 dB	Moving mass	29.0 g
		Suspension compliance	1.1 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.0 Ns/m
Voice coil height	16 mm	Effective piston area	220 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	10.0 mm	Vas	75 Liters
Max. coil travel (p-p)	21 mm	Qms	2.6
Magnet weight	0.64 Kg	Qes	0.39
Total weight	2.2 Kg	Qts	0.34

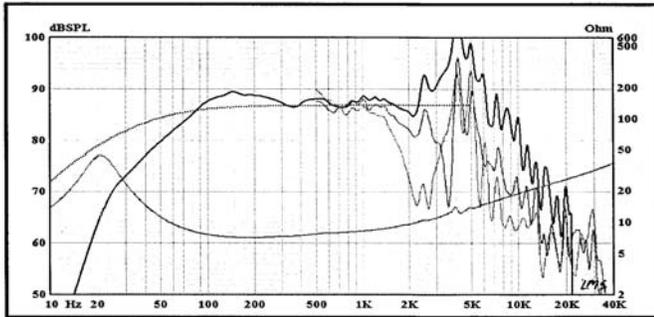


## Excel W26FX-001 E026

This 10" woofer features a light, yet stiff aluminum alloy cone for stiffness in providing bass precision. Heavy copper rings mounted above and below the T-shaped pole piece reduce non linear and intermodulation distortion and increase overload margin. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. Power handling is improved by using a high temperature 2" voice coil and by the solid copper phase plug conducting heat away from the voice coil. Optimized for ported enclosures.



Nominal Impedance	8 Ohms	Voice coil resistance	6.3 Ohms
Recom. frequency range	20-1000 Hz	Voice coil inductance	1.43 mH
Short term max. power	400 W	Force factor	N/A
Long term max. power	150 W	Free air resonance	20 Hz
Sensitivity (1W/1m)	87.0 dB	Moving mass	56.3 g
		Suspension compliance	1.1 mm/N
Voice Coil Diameter	51 mm	Suspension mech. resistance	3.3 Ns/m
Voice coil height	20 mm	Effective piston area	330 sq. cm
Air gap height	6.0 mm	Vas	161 Liters
Linear coil travel (p-p)	14.0 mm	Qms	2.28
Max. coil travel (p-p)	35 mm	Qes	0.41
Magnet weight	1.3 Kg	Qts	0.35
Total weight	4.5 Kg		

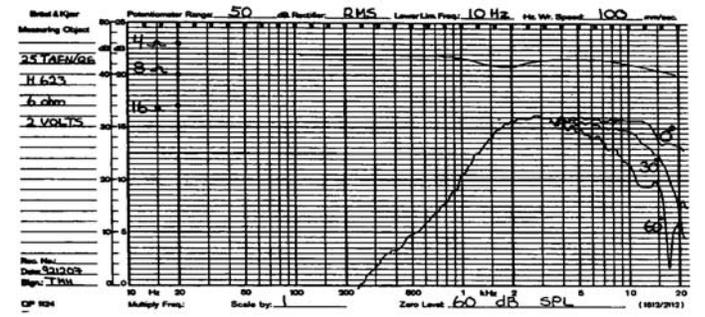


## Seas 25TAFN/QG H623

This 25mm aluminum dome tweeter is an ideal choice for A/V systems, automotive systems, or any application requiring a small and shallow tweeter with very little stray magnetic field. A hexa grid grill protects the dome and supports a phase plate, which compensates for a slight axial roll off towards 20 kHz. The tweeter uses a neodymium magnet and magnet fluid cooling/lubricant for high power handling and simplified crossover. The flange is 60mm square (about 2.36" square) and is very shallow.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	3000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	240 W	Force factor	2.45 N/A
Long term max. power	100 W	Free air resonance	1800 Hz
Sensitivity (1W/1m)	89 dB	Moving mass	0.33 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.0 sq. cm
Air gap height	2.0 mm	Vas	- Liters
Linear coil travel (p-p)	0.5 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	0.01 Kg	Qts	-
Total weight	0.10 Kg		

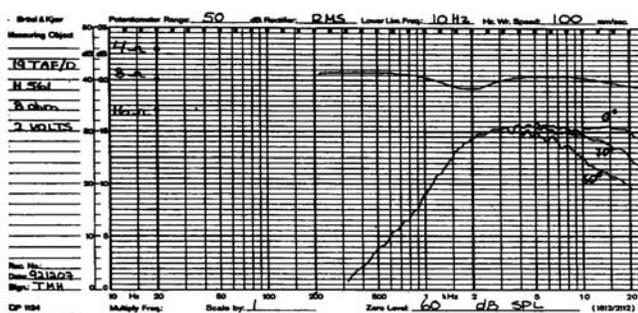


## Seas 19TAF/D H561

This 19mm aluminum dome tweeter offers an extremely smooth response from 4K to over 20KHz. The aluminum dome is protected by a plastic diffuser which also compensates for a slight axial roll off at 20kHz. The dome is suspended by a soft polyamide surround. The frame is a glass fiber reinforced plastic. The voice coil is wound on a perforated aluminum former and immersed in magnetic fluid to reduce problems with resonance and increase short term power handling and decrease compression at high power levels.



Nominal Impedance	8 Ohms	Voice coil resistance	6.2 Ohms
Recom. frequency range	4000-20000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	2.6 N/A
Long term max. power	90 W	Free air resonance	1700 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	0.23 g
		Suspension compliance	- mm/N
Voice Coil Diameter	19.5 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	4.0 sq. cm
Air gap height	2.0 mm	Vas	- Liters
Linear coil travel (p-p)	0.5 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	0.12 Kg	Qts	-
Total weight	0.30 Kg		



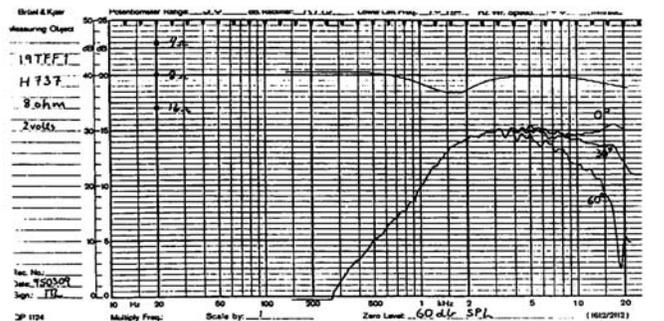
## Seas 19TFF1 H737

This 19mm textile dome tweeter offers an extremely smooth response from 4K to over 20KHz. The textile dome is made from a pre-coated fabric for very tight production tolerances. The dome is suspended by a soft polyamide surround. The frame is a glass fiber reinforced plastic. The voice coil is wound on a perforated aluminum former and immersed in magnetic fluid to reduce problems with resonance and increase short term power handling and decrease compression at high power levels.



Should be a good choice for any system requiring a tweeter above 4KHz.

Nominal Impedance	8 Ohms	Voice coil resistance	6.2 Ohms
Recom. frequency range	4000-20000 Hz	Voice coil inductance	0.05 mH
Short term max. power	200 W	Force factor	2.6 N/A
Long term max. power	80 W	Free air resonance	1700 Hz
Sensitivity (1W/1m)	87 dB	Moving mass	0.20 g
		Suspension compliance	- mm/N
Voice Coil Diameter	19.5 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	4.0 sq. cm
Air gap height	2.0 mm	Vas	- Liters
Linear coil travel (p-p)	0.5 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	0.12 Kg	Qts	-
Total weight	0.30 Kg		

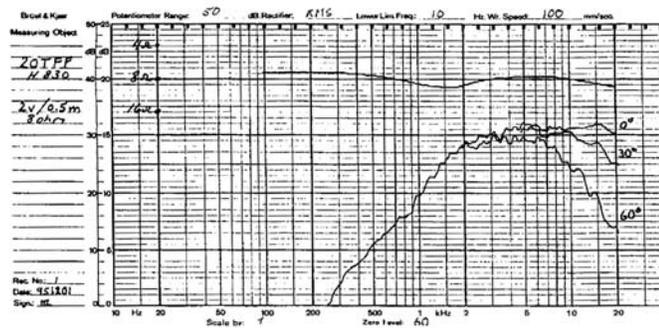


## Seas 20TFF H830

This new 20mm dome tweeter features a pre-coated textile dome for high consistency. The flange is constructed of glass fiber reinforced plastic. The voice coil is wound on an aluminum voice coil former with ventilating holes which eliminate problems connected with resonance in the internal cavities. The tweeter voice coil is immersed in magnetic fluid to increase power handling and reduce compression at high power levels. A well in the pole piece creates a small chamber for a reduced resonance frequency. Recommended for frequencies above 3500Hz. Very smooth response.



Nominal Impedance	8	Ohms	Voice coil resistance	6.2	Ohms
Recom. frequency range	3500-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	2.6	N/A
Long term max. power	80	W	Free air resonance	1500	Hz
Sensitivity (1W/1m)	89	dB	Moving mass	.22	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	19.5	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	4.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.12	Kg	Qes	-	
Total weight	0.30	Kg	Qts	-	

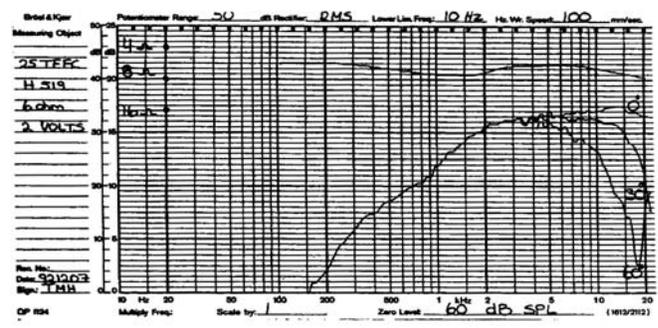


## Seas 25TFFC H519

This 25mm dome tweeter has a glass fiber reinforced plastic chassis. The diaphragm is vacuum formed from a pre-coated fabric. This unique Seas technology gives a vast improvement in consistency compared with other coating methods. Careful matching of the fabric and coating results in a very smooth frequency response throughout the audible range and gives a very high degree of stability against changes in air temperature and humidity. The voice coil is immersed in magnetic fluid. A damped hole in the pole piece and a tuned chamber behind the magnet result in a low resonance frequency.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	200	W	Force factor	3.5	N/A
Long term max. power	80	W	Free air resonance	1200	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	0.3	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

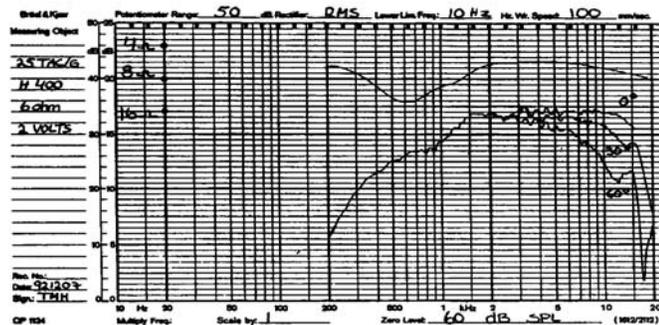


## Seas 25TAC/G H400

This is a chambered back version of the H398 tweeter. It features the same aluminum voice coil, magnet and metal mesh grill of the H398. The hole in the pole piece and tuned chambered back behind the magnet result in a low resonance frequency. The lower resonance allows this driver to achieve a lower crossover frequency. This tweeter has a smooth response and good off axis response.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	150	W	Force factor	3.5	N/A
Long term max. power	55	W	Free air resonance	660	Hz
Sensitivity (1W/1m)	91	dB	Moving mass	0.33	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

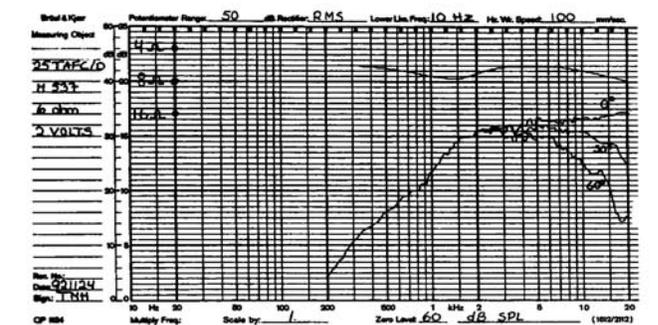


## Seas 25TAFD H537

This 25mm aluminum dome tweeter features high efficiency and a smooth extended response, resulting in good dispersion above 10KHz. Its aluminum diaphragm with critically designed shape and thickness is protected by a fine mesh grill, which also supports a phase plate which compensates for a slight axial roll off at 20KHz. A specially designed soft surround allows for a low fundamental frequency and excellent mechanical linearity. The voice coil is immersed in magnetic fluid, allowing high power handling and simplified crossover design.



Nominal Impedance	6	Ohms	Voice coil resistance	4.8	Ohms
Recom. frequency range	2000-25000	Hz	Voice coil inductance	0.05	mH
Short term max. power	220	W	Force factor	3.5	N/A
Long term max. power	90	W	Free air resonance	1200	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	0.33	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	-	Ns/m
Voice coil height	1.5	mm	Effective piston area	7.0	sq. cm
Air gap height	2.0	mm			
Linear coil travel (p-p)	0.5	mm	Vas	-	Liters
Max. coil travel (p-p)	-	mm	Qms	-	
Magnet weight	0.25	Kg	Qes	-	
Total weight	0.50	Kg	Qts	-	

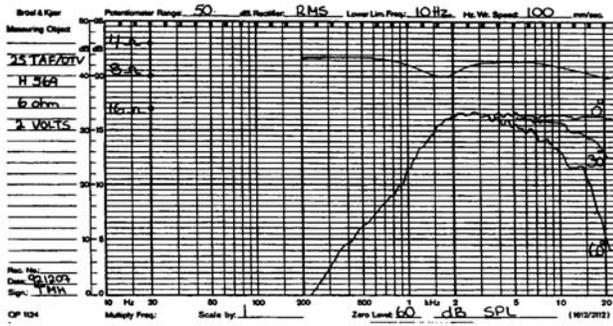


## Seas 25TAF/DTV H569

The H569 is an aluminum dome tweeter with a protective diffuser. The diffuser helps eliminate upper frequency breakup that often occurs with metal domes. The tweeter has a shielding cup to reduce stray magnetic field in order for the tweeter to be used near a TV or computer monitor. Please consider the H569 for your A/V system or monitor speaker that requires magnetic shielding.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	3000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	240 W	Force factor	2.8 N/A
Long term max. power	100 W	Free air resonance	1600 Hz
Sensitivity (1W/1m)	88.5 dB	Moving mass	0.33 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.0 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.4 Kg	Qes	-
Total weight	0.5 Kg	Qts	-

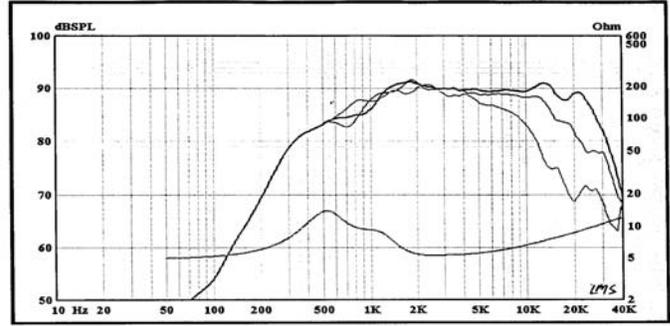


## Seas 27TDC H1149

The 27TDC is a non-ferrofluid tweeter with a High Definition pre-coated fabric dome and soft polymer surround. This tweeter has been especially designed to operate without ferrofluid. The dome and surround materials give excellent stability against variations in air humidity. The voice coil is wound on an aluminum former with adequate ventilating holes to eliminate air flow noise. A stiff and stable rear chamber with optimal acoustic damping allows the 27TDC to be used with moderately low crossover frequencies. The chassis is precision molded glass reinforced plastic and offers optimum radiation.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	2000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	150 W	Force factor	3.5 N/A
Long term max. power	55 W	Free air resonance	550 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	0.30 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.0 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.50 Kg	Qts	-

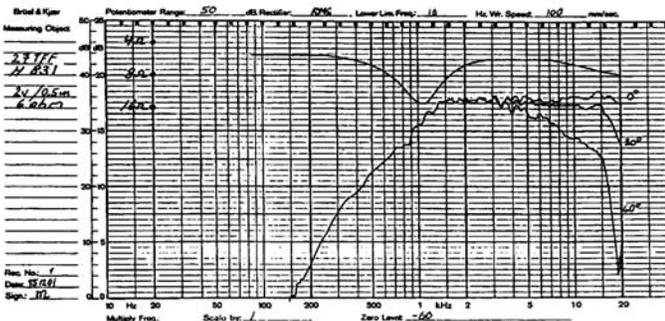


## Seas 27TFF H831

This new 27mm dome tweeter features a pre-coated textile dome for high consistency. The flange is constructed of glass fiber reinforced plastic. The voice coil is wound on an aluminum voice coil former with ventilating holes which eliminate problems connected with resonance in the internal cavities. The tweeter voice coil is immersed in magnetic fluid to increase power handling and reduce compression at high power levels. A well in the pole piece creates a small chamber for a reduced resonance frequency. Recommended for frequencies above 2500Hz. Very smooth response.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	2000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	3.5 N/A
Long term max. power	90 W	Free air resonance	1200 Hz
Sensitivity (1W/1m)	92 dB	Moving mass	.30 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.5 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.50 Kg	Qts	-

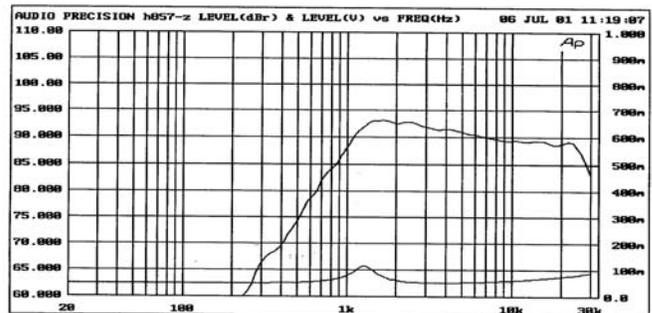


## Seas 27TFF/TV H857

This new 27mm dome tweeter features a pre-coated textile dome for high consistency. The flange is constructed of glass fiber reinforced plastic. The voice coil is wound on an aluminum voice coil former with ventilating holes which eliminate problems connected with resonance in the internal cavities. The tweeter voice coil is immersed in magnetic fluid to increase power handling and reduce compression at high power levels. A bucking magnet and shielding cup are used to stop stray magnetic fields to allow use near a TV screen.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	2500-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	3.5 N/A
Long term max. power	90 W	Free air resonance	1200 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	.30 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	7.5 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.50 Kg	Qts	-

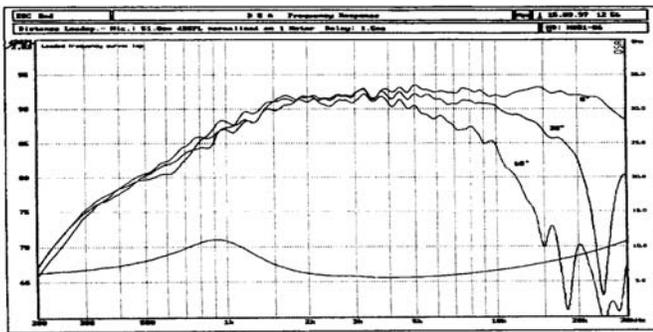


## Seas 27TFFC H881

This 27mm dome tweeter has a glass fiber reinforced plastic chassis. The diaphragm and integral surround are vacuum formed from a pre-coated fabric called Sonotex. Careful matching of the fabric and coating results in a very smooth frequency response throughout the audible range and gives a very high degree of stability against changes in air temperature and humidity. The voice coil is wound on a perforated former and is immersed in magnetic fluid. A damped hole in the pole piece and a tuned chamber behind the magnet result in a low resonance frequency.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	2000-30000 Hz	Voice coil inductance	0.05 mH
Short term max. power	200 W	Force factor	3.5 N/A
Long term max. power	80 W	Free air resonance	900 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.25 g
Voice Coil Diameter	26 mm	Suspension compliance	- mm/N
Voice coil height	1.5 mm	Suspension mech. resistance	- Ns/m
Air gap height	2.0 mm	Effective piston area	7.6 sq. cm
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.52 Kg	Qts	-

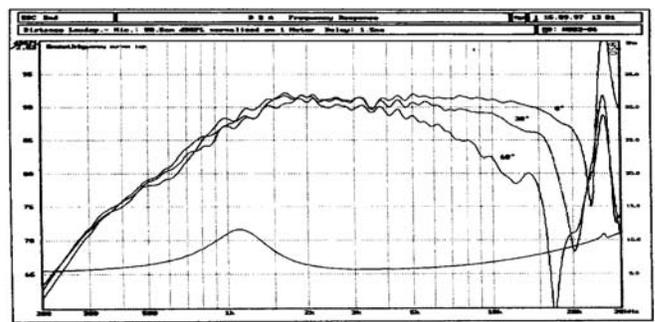


## Seas 27TAF/G H882

This 27mm aluminum/magnesium alloy dome tweeter features high efficiency and a smooth extended response, resulting in good dispersion above 10KHz. The dome is protected by a perforated grid carrying an acoustic lens, which tailors the high frequency roll off. A specially designed soft surround of Sonotex allows for a low fundamental frequency and excellent mechanical linearity. The voice coil is wound on a perforated former and immersed in magnetic fluid, allowing high power handling and simplified crossover design.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	3000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	240 W	Force factor	3.5 N/A
Long term max. power	100 W	Free air resonance	1200 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.32 g
Voice Coil Diameter	26 mm	Suspension compliance	- mm/N
Voice coil height	1.5 mm	Suspension mech. resistance	- Ns/m
Air gap height	2.0 mm	Effective piston area	7.6 sq. cm
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.50 Kg	Qts	-

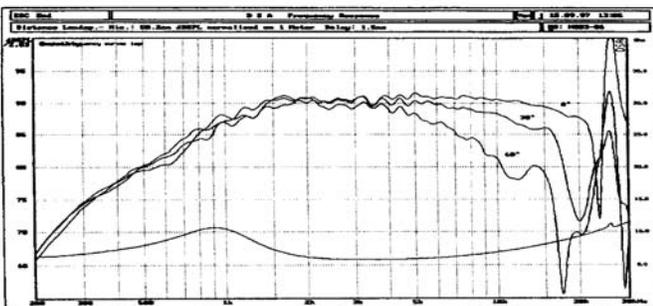


## Seas 27TAF/C/G H883

This is a chambered back version of the H882 tweeter. It features the same aluminum/magnesium alloy diaphragm, magnet and metal mesh grill of the H882. A stiff and stable rear chamber with optimal acoustic damping allows this tweeter to be used with moderately low crossover frequencies. The chassis is precision molded from glass fiber reinforced plastic and its front design offers optimum radiation conditions. This tweeter has a smooth response and good off axis response.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	2000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	3.5 N/A
Long term max. power	90 W	Free air resonance	900 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.32 g
Voice Coil Diameter	26 mm	Suspension compliance	- mm/N
Voice coil height	1.5 mm	Suspension mech. resistance	- Ns/m
Air gap height	2.0 mm	Effective piston area	7.6 sq. cm
Linear coil travel (p-p)	0.5 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.52 Kg	Qts	-



## Seas MCA11FC H143

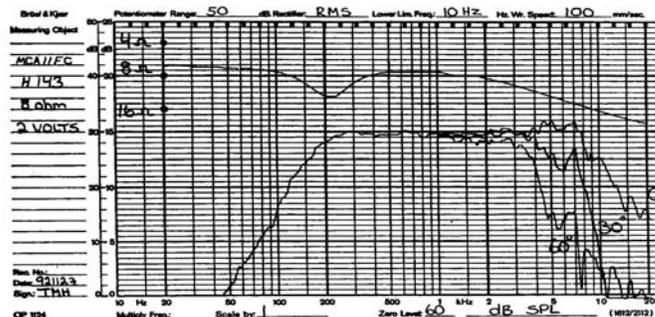
This 4.5" treated paper cone midrange provides an extremely smooth response to 4,000 Hz. The paper cone is a specially treated paper with a mechanically matching foam surround. The frame is a stable injection molded magnesium. A 1" high temperature voice coil is wound on an aluminum voice coil former for high power capacity.



A rear chamber with optimized shape and volume is available (K2852).

Flat response at 60° off axis to 3,000 Hz!

Nominal Impedance	8 Ohms	Voice coil resistance	6.5 Ohms
Recom. frequency range	400-5000 Hz	Voice coil inductance	0.35 mH
Short term max. power	400 W	Force factor	4.7 N/A
Long term max. power	110 W	Free air resonance	140 Hz
Sensitivity (1W/1m)	89 dB	Moving mass	4.0 g
Voice Coil Diameter	26 mm	Suspension compliance	0.3 mm/N
Voice coil height	5.8 mm	Suspension mech. resistance	1.7 Ns/m
Air gap height	4.0 mm	Effective piston area	55 sq. cm
Linear coil travel (p-p)	1.8 mm	Vas	1.3 Liters
Max. coil travel (p-p)	- mm	Qms	2.17
Magnet weight	0.25 Kg	Qes	1.09
Total weight	0.66 Kg	Qts	0.72

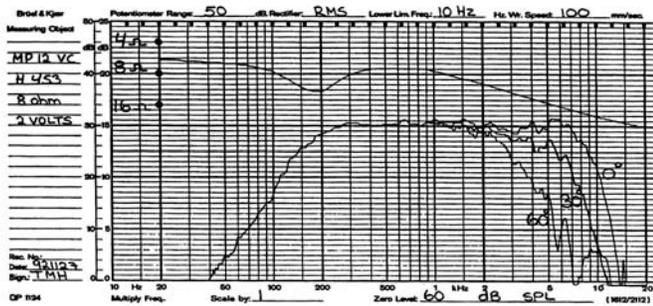


## Seas MP12VC H453

This 5" midrange driver features a filled polypropylene cone with a PVC surround and PVC dust cap. The chassis is made from injection molded glass fiber reinforced plastic. The result is an efficient midrange with good response out to 5kHz. A high temperature voice coil, wound on an aluminum former, gives high power handling capacity. A rear enclosure with optimum volume and shape is available. This midrange can be used down to 300Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	300-5000	Hz	Voice coil inductance	0.65	mH
Short term max. power	600	W	Force factor	5.5	N/A
Long term max. power	90	W	Free air resonance	90	Hz
Sensitivity (1W/1m)	89.5	dB	Moving mass	5.5	g
			Suspension compliance	0.6	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	2.4	Ns/m
Voice coil height	7.8	mm	Effective piston area	62	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	1.8	mm	Vas	2.9	Liters
Max. coil travel (p-p)	-	mm	Qms	1.34	
Magnet weight	0.25	Kg	Qes	0.65	
Total weight	0.65	Kg	Qts	0.44	

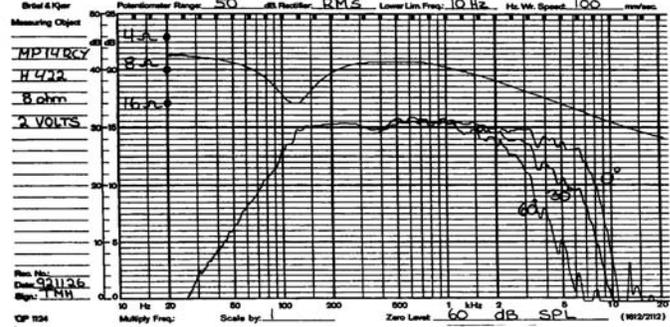


## Seas MP14RCY H422

This 5" midrange features a polypropylene based cone with a high loss rubber surround and PVC dust cap. The frame is a stiff and stable injection molded magnesium. The result is a well behaved frequency response with a very smooth upper roll off. A high temperature voice coil, wound on an aluminum former, gives a high power handling capacity. Thanks to this and excellent linearity, this unit will perform well even far down to the bass region. The heavy magnet structure improves efficiency and voice coil control. A rear enclosure with optimized shape and volume is available.



Nominal Impedance	8	Ohms	Voice coil resistance	5.7	Ohms
Recom. frequency range	100-4000	Hz	Voice coil inductance	0.65	mH
Short term max. power	400	W	Force factor	6.6	N/A
Long term max. power	110	W	Free air resonance	42	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	7.0	g
			Suspension compliance	2.1	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	2.5	Ns/m
Voice coil height	12	mm	Effective piston area	80	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	17.2	Liters
Max. coil travel (p-p)	-	mm	Qms	0.79	
Magnet weight	0.42	Kg	Qes	0.27	
Total weight	1.1	Kg	Qts	0.20	

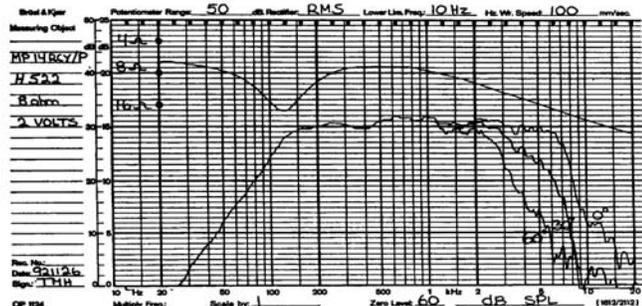


## Seas MP14RCY/P H522

This 5" High Fidelity midrange unit features the careful matching of the polypropylene based cone, high loss rubber surround and bullet shaped phase plug, resulting in a well behaved response, even in the upper roll off region. The phase plug gives high power handling capacity, low compression due to temperature variations in the voice coil and eliminates resonance which would otherwise occur in the volume between the dust cap and pole piece. A high temperature voice coil is wound on an aluminum former for high power handling. A rear enclosure with optimized volume is available.



Nominal Impedance	8	Ohms	Voice coil resistance	5.7	Ohms
Recom. frequency range	100-4000	Hz	Voice coil inductance	0.65	mH
Short term max. power	400	W	Force factor	6.6	N/A
Long term max. power	120	W	Free air resonance	43	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	6.0	g
			Suspension compliance	2.1	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	2.0	Ns/m
Voice coil height	12	mm	Effective piston area	75	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	16.6	Liters
Max. coil travel (p-p)	-	mm	Qms	0.88	
Magnet weight	0.42	Kg	Qes	0.23	
Total weight	1.1	Kg	Qts	0.18	



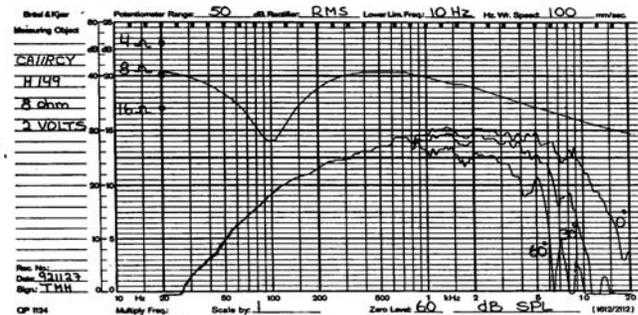
## Seas CA11RCY H149

This 4.5" mini woofer features a hand coated paper cone with a natural rubber surround and coated fabric dust cap. The frame is made of injected molded magnesium to reduce resonance and distortion. Excellent linearity is achieved with a large magnet system and a symmetrical driving force accomplished with a special winding technique for the voice coil.



The large magnet system provides a usable efficiency. This driver has a smooth response to 5KHz.

Nominal Impedance	8	Ohms	Voice coil resistance	6.4	Ohms
Recom. frequency range	45-5000	Hz	Voice coil inductance	0.55	mH
Short term max. power	200	W	Force factor	7.0	N/A
Long term max. power	60	W	Free air resonance	58	Hz
Sensitivity (1W/1m)	86	dB	Moving mass	5.7	g
			Suspension compliance	1.3	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.4	Ns/m
Voice coil height	12	mm	Effective piston area	55	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	5.4	Liters
Max. coil travel (p-p)	9.0	mm	Qms	1.54	
Magnet weight	0.42	Kg	Qes	0.28	
Total weight	1.1	Kg	Qts	0.24	

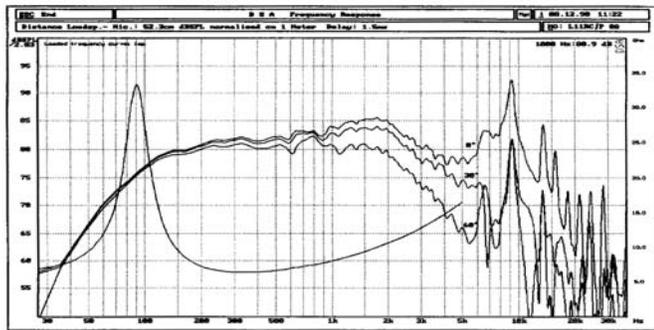


## Seas L11RC/P H759

The L11RC/P is a 4.5" mini woofer with an aluminum cone, light yet stiff. The aluminum cone, coupled with the low loss rubber surround, show no sign of cone edge resonance and distortion associated with soft cones. On the other hand, cone breakup at higher frequencies call for special attention in the crossover design work. A bullet shaped phase plug reduces compression due to temperature variations in the voice coil, avoids resonance problems which would occur in the volume between the dust cap and pole piece and increases long term power handling. Astonishingly deep bass.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	55-3500 Hz	Voice coil inductance	0.65 mH
Short term max. power	200 W	Force factor	6.0 N/A
Long term max. power	70 W	Free air resonance	53 Hz
Sensitivity (1W/1m)	85 dB	Moving mass	6.8 g
Voice Coil Diameter	26 mm	Suspension compliance	1.3 mm/N
Voice coil height	12 mm	Suspension mech. resistance	1.1 Ns/m
Air gap height	6.0 mm	Effective piston area	50 sq. cm
Linear coil travel (p-p)	6.0 mm		
Max. coil travel (p-p)	9.0 mm		
Magnet weight	0.25 Kg	Vas	4.6 Liters
Total weight	0.75 Kg		



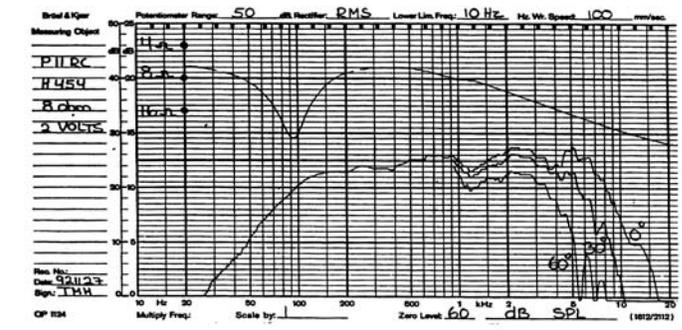
## Seas P11RC H454

This 4.5" mini woofer features a polypropylene cone, a natural rubber surround and a soft PVC dust cap which results in a woofer of high quality and consistency. The frame is made of injection molded magnesium for stability. The high temperature voice coil is wound on an aluminum former for high power handling.

This driver could provide deep bass in a small two way system, as well as provide neutral midrange. You could also use this driver where a low resonance midrange is needed.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	45-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	200 W	Force factor	5.5 N/A
Long term max. power	60 W	Free air resonance	55 Hz
Sensitivity (1W/1m)	84.5 dB	Moving mass	6.5 g
Voice Coil Diameter	26 mm	Suspension compliance	1.3 mm/N
Voice coil height	12 mm	Suspension mech. resistance	1.5 Ns/m
Air gap height	6.0 mm	Effective piston area	55 sq. cm
Linear coil travel (p-p)	6.0 mm		
Max. coil travel (p-p)	9.0 mm		
Magnet weight	0.25 Kg	Vas	5.3 Liters
Total weight	0.65 Kg	Qms	1.54

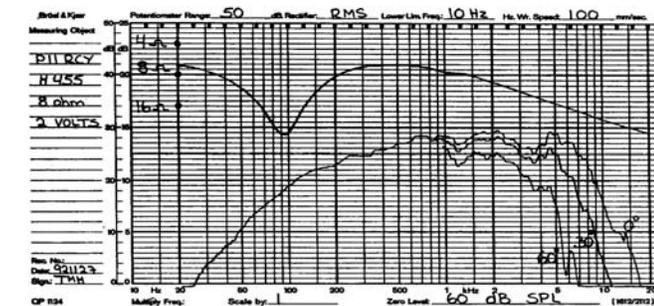


## Seas P11RCY H455

The P11RCY is a 4.5" High Fidelity mini woofer with a polypropylene cone, rubber surround and magnesium cast frame. The high temperature voice coil on aluminum former gives high power handling capacity. An extra large magnet system provides a reasonable efficiency and a low Q. The unit may be used in small ported 2-way systems for astonishingly deep bass and a clean, neutral midrange.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	45-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	200 W	Force factor	7.0 N/A
Long term max. power	60 W	Free air resonance	55 Hz
Sensitivity (1W/1m)	86 dB	Moving mass	6.5 g
Voice Coil Diameter	26 mm	Suspension compliance	1.3 mm/N
Voice coil height	12 mm	Suspension mech. resistance	1.5 Ns/m
Air gap height	6.0 mm	Effective piston area	55 sq. cm
Linear coil travel (p-p)	6.0 mm	Vas	5.3 Liters
Max. coil travel (p-p)	9 mm	Qms	1.54
Magnet weight	0.42 Kg	Qes	0.27
Total weight	1.21 Kg	Qts	0.23



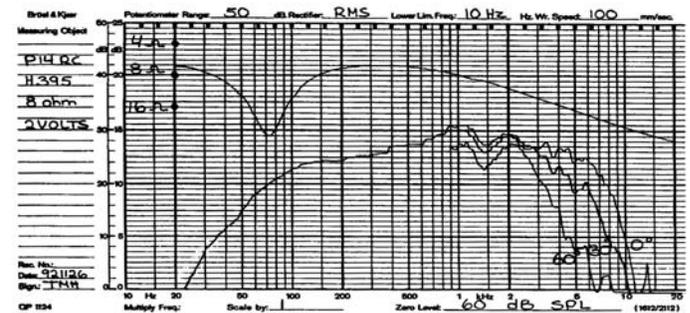
## Seas P14RC H395

This 5" polypropylene cone woofer will provide good bass as well as uncolored midrange in a small 2-way system. An injection molded magnesium frame is used for minimum resonance and lower distortion. The poly cone is suspended by a natural rubber surround and has a soft PVC dust cap. The high temperature voice coil is wound on an aluminum former for higher power handling.

This driver will perform well as a woofer in a vented enclosure, or as a midrange in a sealed enclosure.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	45-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	5.5 N/A
Long term max. power	60 W	Free air resonance	40 Hz
Sensitivity (1W/1m)	89 dB	Moving mass	7.0 g
Voice Coil Diameter	26 mm	Suspension compliance	2.2 mm/N
Voice coil height	12 mm	Suspension mech. resistance	1.4 Ns/m
Air gap height	6.0 mm	Effective piston area	80 sq. cm
Linear coil travel (p-p)	6.0 mm	Vas	18.9 Liters
Max. coil travel (p-p)	14 mm	Qms	1.35
Magnet weight	0.25 Kg	Qes	0.36
Total weight	0.80 Kg	Qts	0.28



## Seas P14RCY H393

This 5" polypropylene cone woofer will provide good bass as well as uncolored midrange in a small 2-way system. An injection molded magnesium frame is used for minimum resonance and lower distortion. The poly cone is suspended by a natural rubber surround and has a soft PVC dust cap. The high temperature voice coil is wound on an aluminum former for higher power handling.

This driver will perform well as a woofer in a vented enclosure, or as a midrange in a sealed enclosure.



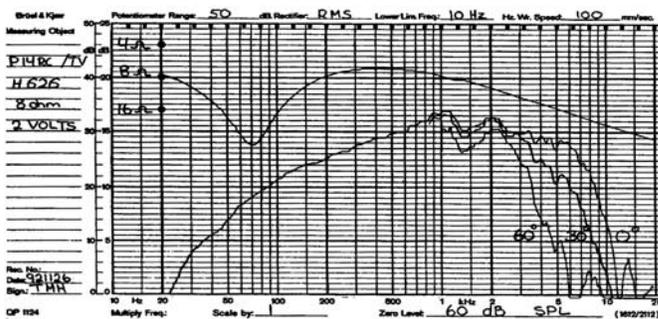
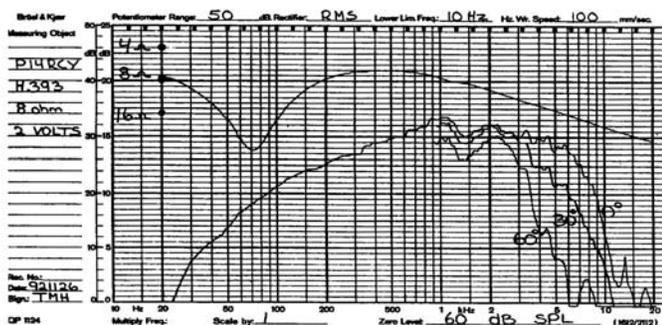
Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	45-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. power	60 W	Free air resonance	40 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	7.0 g
		Suspension compliance	2.2 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.4 Ns/m
Voice coil height	12 mm	Effective piston area	80 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	18.9 Liters
Max. coil travel (p-p)	14 mm	Qms	1.35
Magnet weight	0.42 Kg	Qes	0.22
Total weight	1.25 Kg	Qts	0.19

## Seas P14RC/TV H626

The P14RC/TV is a **magnetically shielded** version of the P14RC woofer. This woofer has the same polypropylene cone, rubber surround and magnesium cast frame. In addition, there is another bucking magnet and shielding cup to allow use of this driver near CRT's. The high temperature voice coil on aluminum former gives high power handling capacity. An extra large magnet system provides a reasonable efficiency and a low Q. The unit may be used in small ported 2-way systems for astonishingly deep bass and a clean, neutral midrange.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	45-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	6.5 N/A
Long term max. power	60 W	Free air resonance	40 Hz
Sensitivity (1W/1m)	89.5 dB	Moving mass	7.0 g
		Suspension compliance	2.2 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.4 Ns/m
Voice coil height	12 mm	Effective piston area	80 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	18.9 Liters
Max. coil travel (p-p)	14 mm	Qms	1.35
Magnet weight	0.5 Kg	Qes	0.25
Total weight	1.28 Kg	Qts	0.21



## Seas L14RC/P H761

This 5" woofer features a light, yet stiff **aluminum cone**, with a low loss rubber surround and magnesium cast frame. This driver shows no sign of the familiar 500-1500Hz cone edge resonance and distortion associated with soft cones. On the other hand, cone breakup at higher frequencies require special crossover attention. The phase plug gives low compression due to temperature variations in the voice coil, high power handling capacity and eliminates resonance which would otherwise occur in the volume between the dust cap and the pole piece.



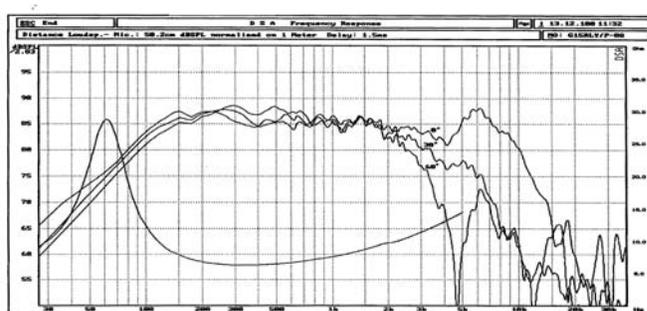
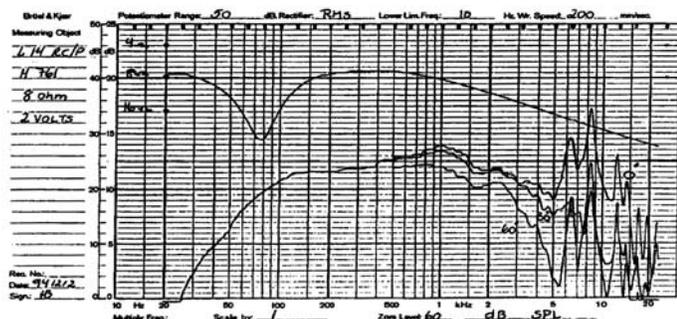
Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	45-3000 Hz	Voice coil inductance	0.7 mH
Short term max. power	200 W	Force factor	5.9 N/A
Long term max. power	80 W	Free air resonance	39 Hz
Sensitivity (1W/1m)	85.5 dB	Moving mass	9.6 g
		Suspension compliance	1.7 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.4 Ns/m
Voice coil height	14 mm	Effective piston area	75 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	8.0 mm	Vas	14.0 Liters
Max. coil travel (p-p)	14 mm	Qms	1.8
Magnet weight	0.25 Kg	Qes	0.38
Total weight	0.65 Kg	Qts	0.31

## Seas G15RLY/P H1106

This 5" driver was designed for use as a long throw hi-fi woofer or bass/midrange unit. Fiberglass cone, bullet-shaped phase plug, rubber surround, and copper-coated aluminum voice coil wires result in a smooth frequency response. Extra large magnet for good transient response and very long voice coil. Injection molded metal basket with large 'windows' minimize sound reflection, air flow noise and cavity resonance.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	50-3000 Hz	Voice coil inductance	0.9 mH
Short term max. power	200 W	Force factor	6.0 N/A
Long term max. power	80 W	Free air resonance	49 Hz
Sensitivity (1W/1m)	86 dB	Moving mass	8.3 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.6 Ns/m
Voice coil height	16 mm	Effective piston area	75 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	10.0 mm	Vas	9.4 Liters
Max. coil travel (p-p)	20 mm	Qms	1.70
Magnet weight	.42 Kg	Qes	0.41
Total weight	1.28 Kg	Qts	0.30

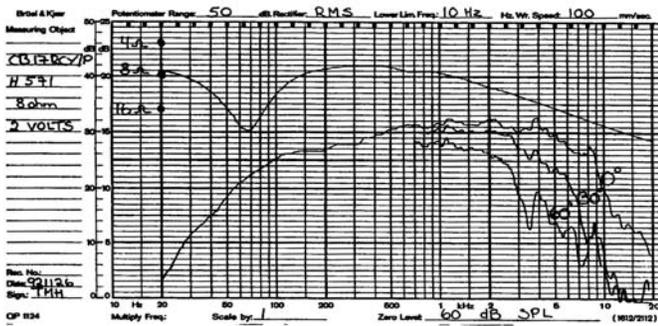


### Seas CB17RCY/P H571

This 6.5" woofer features a high quality paper cone with a low loss rubber surround. 'Well-behaved' roll-off simplifies crossover design. A bullet phase plug gives low compression due to temperature variations in the voice coil, high power handling capacity and eliminates resonance which would otherwise occur in the volume between the dust cap and the pole piece. Extra large magnet provides extra sensitivity and low Q.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	40-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	6.6 N/A
Long term max. power	75 W	Free air resonance	38 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	10 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	2.0 Ns/m
Voice coil height	12 mm	Effective piston area	125 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	34.9 Liters
Max. coil travel (p-p)	16 mm	Qms	1.31
Magnet weight	0.42 Kg	Qes	0.34
Total weight	1.41 Kg	Qts	0.27



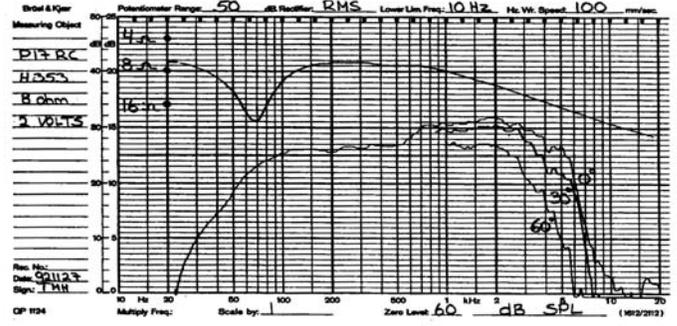
### Seas P17RC H353

This 6.5" woofer is suitable for either sealed or vented enclosures. The cone material is a specially compounded polypropylene with a soft PVC dust cap and a high loss rubber surround. The result is a smooth uncolored response. The high temperature voice coil is wound on an aluminum former for high power handling.

A F3 of 50 Hz can be achieved in 1/2 ft<sup>3</sup> or 78 Hz in 1/3 ft<sup>3</sup>.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	40-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	5.5 N/A
Long term max. power	60 W	Free air resonance	35 Hz
Sensitivity (1W/1m)	89 dB	Moving mass	11 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	3.0 Ns/m
Voice coil height	12 mm	Effective piston area	130 sq.cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm		
Max. coil travel (p-p)	16 mm	Vas	40.8 Liters
Magnet weight	0.25 Kg	Qms	0.88
Total weight	0.70 Kg	Qes	0.50

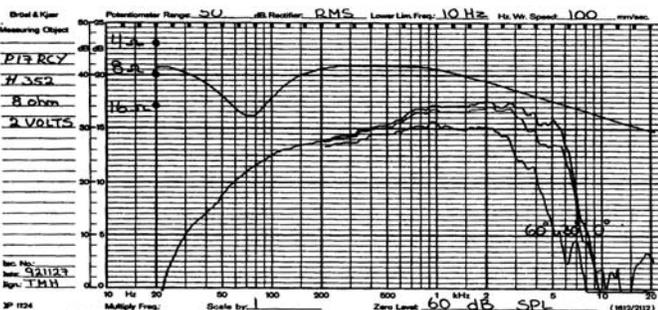


### Seas P17RCY H352

6.5" woofer with injection molded metal chassis. The phase plug gives high power handling capacity, low compression due to temperature variations in the voice coil and eliminates resonance which would otherwise occur in the volume between the dust cap and pole piece. Polypropylene cone and rubber surround for smooth and uncolored response and high consistency. Aluminum voice coil former gives the diaphragm high power handling capacity. Large magnet provides high sensitivity and low Q.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	40-4000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. power	60 W	Free air resonance	35 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	11 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	3.0 Ns/m
Voice coil height	12 mm	Effective piston area	130 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	40.8 Liters
Max. coil travel (p-p)	16 mm	Qms	0.88
Magnet weight	0.42 Kg	Qes	0.31
Total weight	1.41 Kg	Qts	0.23

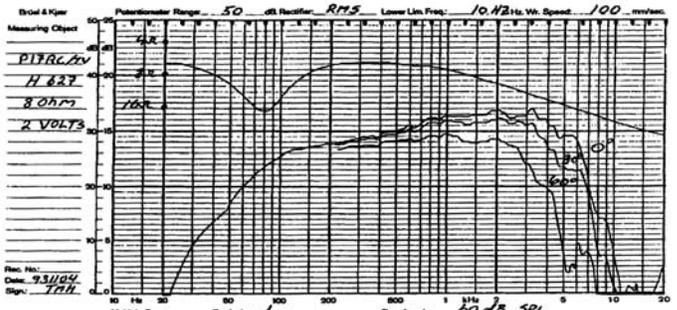


### Seas P17RC/TV H627

6.5" woofer with injection molded metal chassis. The phase plug gives high power handling capacity, low compression due to temperature variations in the voice coil and eliminates resonance which would otherwise occur in the volume between the dust cap and pole piece. Polypropylene cone and rubber surround for smooth and uncolored response and high consistency. Aluminum voice coil former gives the diaphragm high power handling capacity. Large magnet provides high sensitivity and low Q. Shielded for use next to CRT's in A/V applications.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	40-3000 Hz	Voice coil inductance	0.65 mH
Short term max. power	250 W	Force factor	6.2 N/A
Long term max. power	60 W	Free air resonance	35 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	11 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	3.0 Ns/m
Voice coil height	12 mm	Effective piston area	130 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	40.7 Liters
Max. coil travel (p-p)	16 mm	Qms	0.88
Magnet weight	0.5 Kg	Qes	0.39
Total weight	1.41 Kg	Qts	0.27



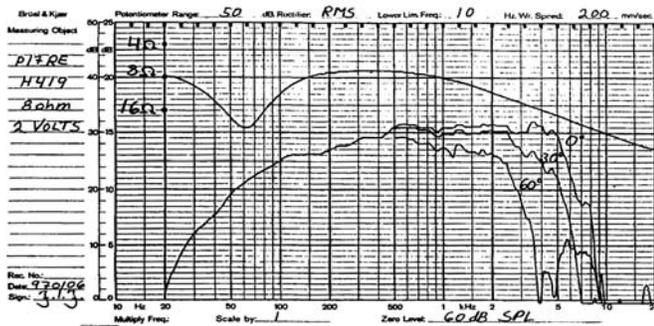
## Seas P17RE H419

This 6.5" woofer has similar features to the P17REX, with the magnesium frame, polypropylene cone, soft PVC dust cap, and high loss rubber surround. The relatively large voice coil provides good power handling. The magnet system with T-shaped cross section of the pole piece provides low modulation distortion.

The small magnet of this driver gives it a higher Qts, allowing this driver to be used in either a sealed or vented enclosure. Vented response to 50Hz or Sealed response to 70Hz. Smooth response to 3,500 Hz with good off axis response to 2,500 Hz.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	40-3000 Hz	Voice coil inductance	0.6 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. power	80 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	87.5 dB	Moving mass	16 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	3.0 Ns/m
Voice coil height	12 mm	Effective piston area	130 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	30.5 Liters
Max. coil travel (p-p)	19 mm	Qms	1.21
Magnet weight	0.42 Kg	Qes	0.45
Total weight	1.20 Kg	Qts	0.33

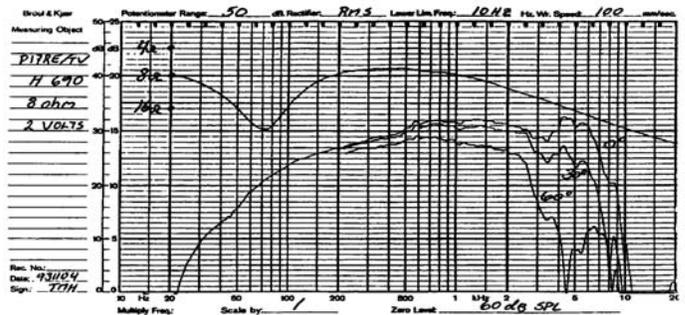


## Seas P17RE/TV H690

The P17RE/TV is a **Shielded Magnet** version of the P17RE. A compensation magnet and shielding cup are mounted to the magnet system, allowing this woofer to be used close to CRT's in Audio/Video applications. The woofer features a cast frame, polypropylene cone, high loss rubber surround and soft PVC dust cap. The large voice coil diameter assures high power handling. The magnet system has a T-shaped cross section for lower modulation distortion. Very smooth response to 3.5Khz.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	40-3000 Hz	Voice coil inductance	0.6 mH
Short term max. power	250 W	Force factor	7.9 N/A
Long term max. power	80 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	88.5 dB	Moving mass	16 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	3.0 Ns/m
Voice coil height	12 mm	Effective piston area	130 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	30.5 Liters
Max. coil travel (p-p)	19 mm	Qms	1.21
Magnet weight	0.84 Kg	Qes	0.35
Total weight	2.15 Kg	Qts	0.27

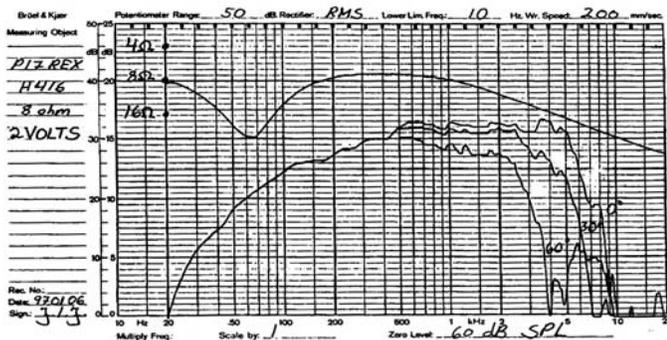


## Seas P17REX H416

This 6.5" woofer has a polypropylene based cone with a soft PVC dust cap and high loss rubber surround. These three components have been carefully matched to each other, resulting in outstandingly smooth response. The frame is made of injection molded magnesium for reduced resonance. The magnet system has a T-shaped cross section of the pole piece for low modulation distortion. A large magnet system provides high efficiency and a low Q. This driver has good off axis response to 3,000 Hz. Exceptional driver for a 2-way system.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	40-3000 Hz	Voice coil inductance	0.6 mH
Short term max. power	250 W	Force factor	8.5 N/A
Long term max. power	80 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	89 dB	Moving mass	16 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	3.0 Ns/m
Voice coil height	12 mm	Effective piston area	130 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	6.0 mm	Vas	30.5 Liters
Max. coil travel (p-p)	19 mm	Qms	1.21
Magnet weight	0.64 Kg	Qes	0.31
Total weight	1.60 Kg	Qts	0.24

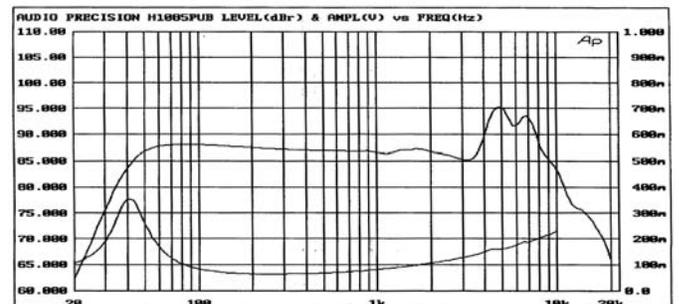


## Seas L18RCY/P H1085

7" aluminum cone woofer. The stiff cone coupled with the low loss rubber surround shows no sign of cone edge resonance and distortion associated with soft cones. Tremendous bass precision. A bullet shaped phase plug reduces compression due to temperature variations in the voice coil, avoids resonance problems which would occur in the volume between the dust cap and pole piece and increases long term power handling. Large magnet for good efficiency. This speaker is suitable for either sealed or vented systems.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	45-3000 Hz	Voice coil inductance	.57 mH
Short term max. power	250 W	Force factor	6.03 N/A
Long term max. Power	90 W	Free air resonance	43 Hz
Sensitivity (1W/1m)	88.0 dB	Moving mass	12.5 g
		Suspension compliance	1.07 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	Ns/m
Voice coil height	14.0 mm	Effective piston area	125 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	8.0 mm	Vas	25.3 Liters
Max. coil travel (p-p)	22.0 mm	Qms	2.81
Magnet weight	0.42 Kg	Qes	0.51
Total weight	1.41 Kg	Qts	0.43



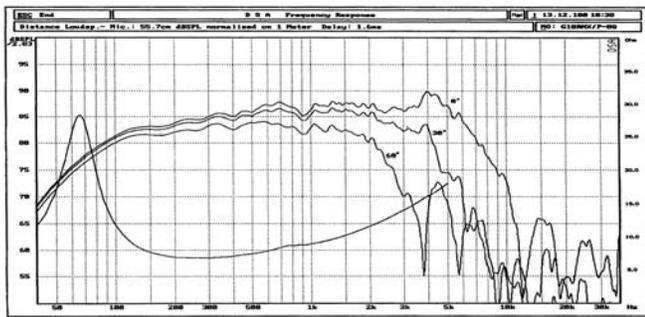
## Seas G18RNX/P H1100

This 7" driver was designed for use as a long throw hi-fi woofer or bass/midrange unit. Fiberglass cone, bullet-shaped phase plug, rubber surround, and copper-coated aluminum voice coil wires result in a smooth frequency response. Extra large magnet for good transient response and very long voice coil. Injection molded metal basket with large 'windows' minimize sound reflection, air flow noise and cavity resonance.

The specs allow for a small vented enclosure with good bass, great for a 2-way. This speaker is very popular in Europe.



Nominal Impedance	8 Ohms	Voice coil resistance	5.8 Ohms
Recom. frequency range	38-3000 Hz	Voice coil inductance	1.3 mH
Short term max. power	250 W	Force factor	6.6 N/A
Long term max. power	110 W	Free air resonance	32 Hz
Sensitivity (1W/1m)	86.5 dB	Moving mass	12 g
		Suspension compliance	1.9 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.7 Ns/m
Voice coil height	18 mm	Effective piston area	120 sq. cm
Air gap height	6.0 mm	Vas	39 Liters
Linear coil travel (p-p)	12 mm	Qms	1.51
Max. coil travel (p-p)	22 mm	Qes	0.34
Magnet weight	0.64 Kg	Qts	0.28
Total weight	1.87 Kg		



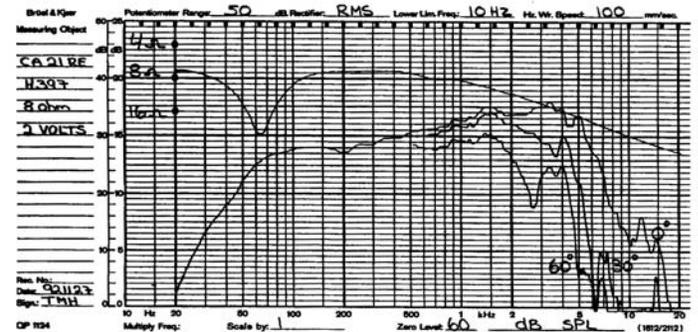
## Seas CA21RE H397

This is an 8" Treated Paper cone woofer. Because of a Qts above 0.4, this driver is most suited to sealed boxes. You could use it in boxes from 1 to 2.5 cubic feet with an 3dB down point (f3) between 49 and 45Hz. The paper cone should provide neutral, yet realistic sound reproduction.

This driver should also be a good replacement for some of the older Vifa 8" paper cone woofers that are no longer in production.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	35-3000 Hz	Voice coil inductance	0.6 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. power	80 W	Free air resonance	31 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	22 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.8 Ns/m
Voice coil height	12 mm	Effective piston area	230 sq. cm
Air gap height	6.0 mm	Vas	81.3 Liters
Linear coil travel (p-p)	6.0 mm	Qms	2.60
Max. coil travel (p-p)	19 mm	Qes	0.58
Magnet weight	0.42 Kg	Qts	0.48
Total weight	1.49 Kg		



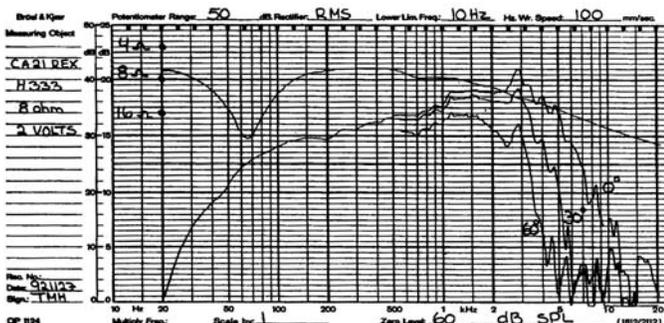
## Seas CA21REX H333

This is an 8" Treated Paper cone woofer, with a larger magnet than the CA21RE. This 8" woofer has an injection molded magnesium chassis. Careful matching between a treated paper cone, a paper dust cap, and a low loss rubber surround reduces potential resonance problems. The magnet system has a T-shaped cross section of the pole piece for low modulation distortion. A relatively large voice coil provides good power handling capacity.

This driver will provide low bass in a reasonable sized vented enclosure.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	35-3000 Hz	Voice coil inductance	0.6 mH
Short term max. power	250 W	Force factor	8.5 N/A
Long term max. power	80 W	Free air resonance	31 Hz
Sensitivity (1W/1m)	93 dB	Moving mass	22 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.8 Ns/m
Voice coil height	12 mm	Effective piston area	230 sq. cm
Air gap height	6.0 mm	Vas	81.3 Liters
Linear coil travel (p-p)	6.0 mm	Qms	2.60
Max. coil travel (p-p)	19 mm	Qes	0.39
Magnet weight	0.64 Kg	Qts	0.34
Total weight	1.89 Kg		

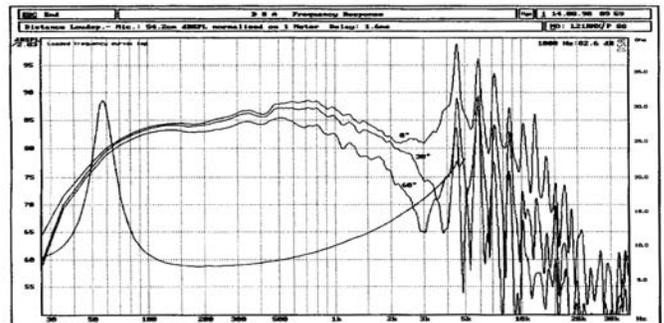


## Seas L21RNX/P H955

The L21RNX/P is an 8" aluminum cone woofer, very light and stiff. The stiff cone provides tremendous bass precision. The aluminum cone and low loss rubber surround show no sign of the familiar 500-1500Hz cone edge resonance. The high temperature voice coil on aluminum former provide excellent power handling. The phase plug reduces compression due to temperature variations in the voice coil, and eliminates resonances that can occur in the gap between the dust cap and pole piece. The resonance at higher frequencies require some special crossover work.



Nominal Impedance	8 Ohms	Voice coil resistance	6.0 Ohms
Recom. frequency range	25-2000 Hz	Voice coil inductance	1.0 mH
Short term max. power	300 W	Force factor	8.7 N/A
Long term max. power	110 W	Free air resonance	28 Hz
Sensitivity (1W/1m)	87.5 dB	Moving mass	28 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.0 Ns/m
Voice coil height	18 mm	Effective piston area	220 sq. cm
Air gap height	6.0 mm	Vas	73 Liters
Linear coil travel (p-p)	12.0 mm	Qms	2.65
Max. coil travel (p-p)	21.0 mm	Qes	0.42
Magnet weight	0.64 Kg	Qts	0.36
Total weight	2.00 Kg		

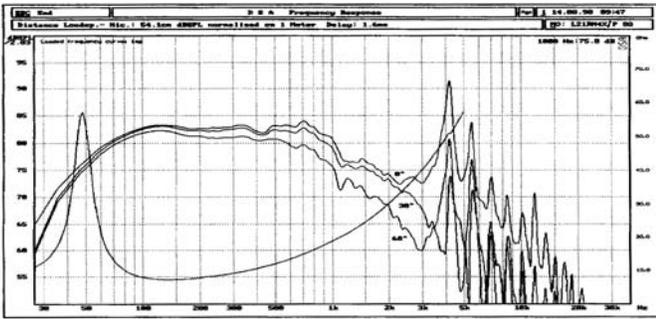


## Seas L21RN4X/P H956

The L21RN4X/P is an 8" aluminum cone woofer, very light and stiff. The stiff cone provides tremendous bass precision. The aluminum cone and low loss rubber surround show no sign of the familiar 500-1500Hz cone edge resonance. The high temperature voice coil on aluminum former provide excellent power handling. The phase plug reduces compression due to temperature variations in the voice coil, and eliminates resonances that can occur in the gap between the dust cap and pole piece. The resonance at higher frequencies require some special crossover work.



Nominal Impedance	8 Ohms	Voice coil resistance	6.0 Ohms
Recom. frequency range	20-1000 Hz	Voice coil inductance	2.7 mH
Short term max. power	300 W	Force factor	11.0 N/A
Long term max. power	125 W	Free air resonance	23 Hz
Sensitivity (1W/1m)	86.5 dB	Moving mass	40 g
Voice Coil Diameter	39 mm	Suspension compliance	1.2 mm/N
Voice coil height	20 mm	Suspension mech. resistance	1.7 Ns/m
Air gap height	6.0 mm	Effective piston area	220 sq. cm
Linear coil travel (p-p)	14.0 mm	Vas	77 Liters
Max. coil travel (p-p)	21.0 mm	Qms	3.61
Magnet weight	0.64 Kg	Qes	0.30
Total weight	2.00 Kg	Qts	0.28

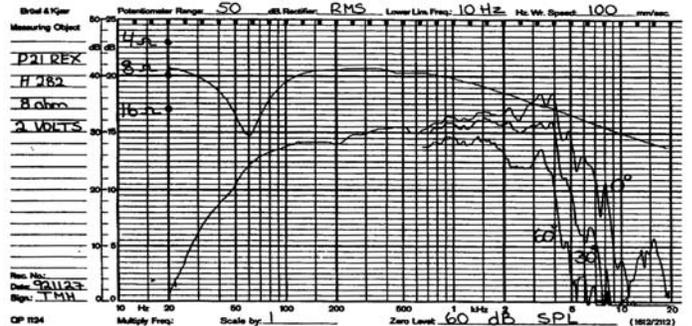


## Seas P21REX H282

This 8" woofer has an injection molded magnesium chassis. Careful matching between a polypropylene cone, a polypropylene dust cap, and a low loss rubber surround yields a smooth frequency response with a well behaved roll off. The magnet system has a T-shaped cross section of the pole piece for low modulation distortion. A relatively large voice coil provides good power handling capacity. This driver will provide low bass in a reasonable sized vented enclosure.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	35-3000 Hz	Voice coil inductance	0.6 mH
Short term max. power	250 W	Force factor	8.5 N/A
Long term max. power	80 W	Free air resonance	33 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	23 g
Voice Coil Diameter	39 mm	Suspension compliance	1.0 mm/N
Voice coil height	12 mm	Suspension mech. resistance	2.2 Ns/m
Air gap height	6.0 mm	Effective piston area	230 sq. cm
Linear coil travel (p-p)	6.0 mm	Vas	68.9 Liters
Max. coil travel (p-p)	20 mm	Qms	2.36
Magnet weight	0.64 Kg	Qes	0.44
Total weight	1.60 Kg	Qts	0.37

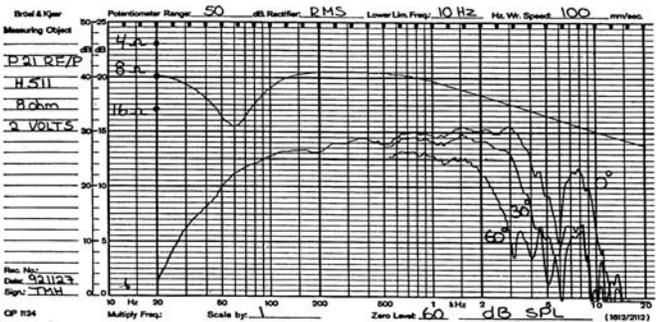


## Seas P21RF/P H511

This 8" driver with phase plug has an extremely smooth response to 3,000Hz and very good 60° off axis response to 2,000Hz. The frame is made of injection molded magnesium. The cone is polypropylene with a high loss rubber surround for a smooth response and low coloration. The magnet system is designed to give excellent field symmetry, and consequently low distortion. A bullet shaped phase plug reduces compression due to temperature variations in the voice coil, avoids resonance which would occur in the volume between the dust cap and the pole piece, and increases power handling.



Nominal Impedance	8 Ohms	Voice coil resistance	6.4 Ohms
Recom. frequency range	35-3500 Hz	Voice coil inductance	0.8 mH
Short term max. power	300 W	Force factor	8.8 N/A
Long term max. power	125 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	22 g
Voice Coil Diameter	51 mm	Suspension compliance	1.0 mm/N
Voice coil height	14 mm	Suspension mech. resistance	3.0 Ns/m
Air gap height	6.0 mm	Effective piston area	194 sq. cm
Linear coil travel (p-p)	8.0 mm	Vas	48.3 Liters
Max. coil travel (p-p)	18 mm	Qms	1.70
Magnet weight	0.57 Kg	Qes	0.42
Total weight	1.70 Kg	Qts	0.34

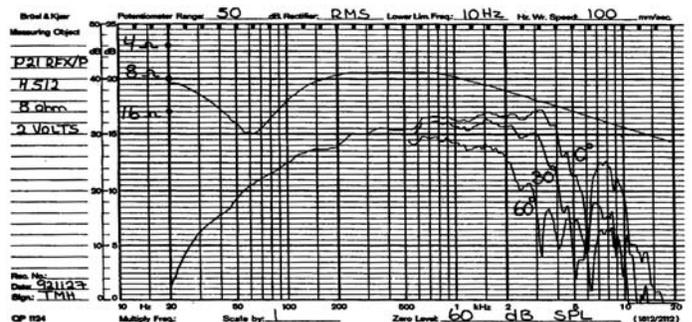


## Seas P21RFX/P H512

This is a larger magnet version of the H511. This 8" woofer has a magnesium cast frame, polypropylene cone, high loss rubber surround and a bullet shaped phase plug. The larger magnet increased efficiency and lowered the Qts. The Phase plug and 2" voice coil assures good power handling. This woofer would be ideal for an application that requires a satellite speaker with higher efficiency and good power handling in a small enclosure. The reduced bass response would require the addition of a subwoofer.



Nominal Impedance	8 Ohms	Voice coil resistance	6.4 Ohms
Recom. frequency range	32-2500 Hz	Voice coil inductance	0.8 mH
Short term max. power*	300 W	Force factor	11 N/A
Long term max. power*	125 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	22 g
Voice Coil Diameter	51 mm	Suspension compliance	1.0 mm/N
Voice coil height	14 mm	Suspension mech. resistance	3.0 Ns/m
Air gap height	6.0 mm	Effective piston area	194 sq. cm
Linear coil travel (p-p)	8.0 mm	Vas	48.3 Liters
Max. coil travel (p-p)	18 mm	Qms	1.70
Magnet weight	1.00 Kg	Qes	0.27
Total weight	2.70 Kg	Qts	0.23



## Seas P21RE4X/DC H442

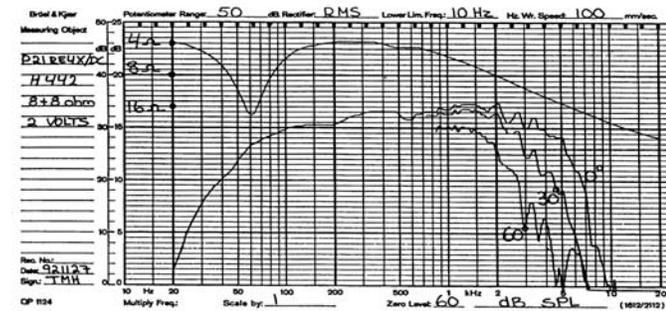
This Dual Voice Coil 8" woofer could be used as a single woofer with a stereo pair of satellite speakers or with the voice coils in parallel as a single 4 ohm woofer. The frame is made of injection molded magnesium. The polypropylene cone has been carefully matched with a soft PVC dust cap and a low loss rubber surround for a well behaved roll off and smooth frequency response. The magnet system features the T-shaped pole piece for low modulation distortion.

This driver also offers new possibilities in response shaping by crossing over the coils at different frequencies.



Nominal Impedance	8/8	Ohms	Voice coil resistance	2.8	Ohms
Recom. frequency range	32-2500	Hz	Voice coil inductance	0.5	mH
Short term max. power*	250	W	Force factor	6.9	N/A
Long term max. power*	90	W	Free air resonance	31	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	27.4	g
			Suspension compliance	1.0	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.6	Ns/m
Voice coil height	12	mm	Effective piston area	230	sq. cm
Air gap height	6.0	mm	Vas	66.4	Liters
Linear coil travel (p-p)	6.0	mm	Qms	3.58	
Max. coil travel (p-p)	20	mm	Qes	0.34	
Magnet weight	0.64	Kg	Qts	0.30	
Total weight	1.60	Kg			

\* Measured with coils in parallel.



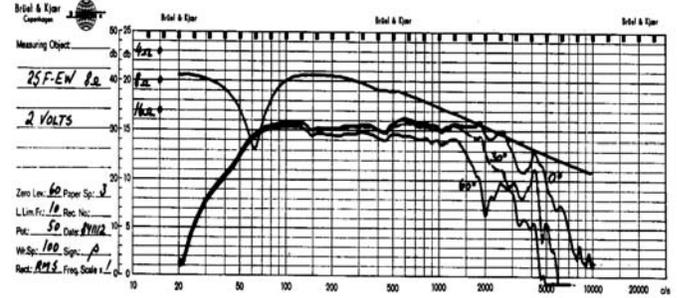
## Seas 25F-EW H085

This 10" woofer features a paper cone, paper dust cap and rubber surround. These components have been carefully matched for a smooth frequency response and a well behaved roll off. The frame is made of injection molded magnesium. The four layer voice coil secures good utilization of the magnet system, resulting in a high force factor.

This is the speaker used in the older Dynaco A25 speaker system. You might be able to use this a replacement woofer for other older 10" 2-way systems.



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	30-1500	Hz	Voice coil inductance	2.6	mH
Short term max. power	70	W	Force factor	9.5	N/A
Long term max. power	60	W	Free air resonance	26	Hz
Sensitivity (1W/1m)	89	dB	Moving mass	33	g
			Suspension compliance	-	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.6	Ns/m
Voice coil height	14	mm	Effective piston area	350	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	4.0	mm	Vas	175	Liters
Max. coil travel (p-p)	-	mm	Qms	3.8	
Magnet weight	0.42	Kg	Qes	0.39	
Total weight	1-3	Kg	Qts	0.35	



## Seas CA25RE4X/DC H372

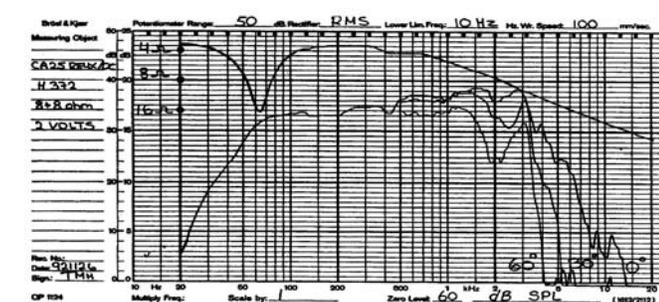
This 10" Dual Coil woofer features an injection molded magnesium frame. There is excellent mechanical matching between the paper cone, paper dust cap and low loss rubber surround. A special treatment of the cone produces a well behaved roll off and reduces resonance problems. The magnet system has a T-shaped cross section of the pole piece for low modulation distortion.

The double two layer voice coil allows this driver to be used as a single stereo woofer with two satellite speaker. The relatively large voice coil provides good power handling.



Nominal Impedance	8/8	Ohms	Voice coil resistance	2.9	Ohms
Recom. frequency range	30-1500	Hz	Voice coil inductance	0.6	mH
Short term max. power*	300	W	Force factor	7.0	N/A
Long term max. power*	90	W	Free air resonance	25	Hz
Sensitivity (1W/1m)	91	dB	Moving mass	33	g
			Suspension compliance	1.2	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.6	Ns/m
Voice coil height	14	mm	Effective piston area	350	sq. cm
Air gap height	6.0	mm	Vas	187.9	Liters
Linear coil travel (p-p)	8.0	mm	Qms	3.63	
Max. coil travel (p-p)	20	mm	Qes	0.34	
Magnet weight	0.64	Kg	Qts	0.31	
Total weight	2.17	Kg			

\* Measured with coils in parallel

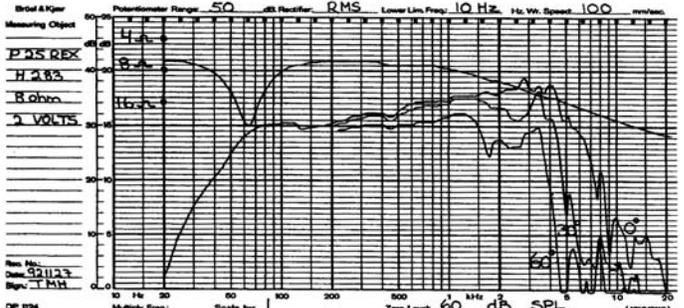


## Seas P25REX H283

This 10" woofer features a polypropylene cone, polypropylene dust cap and low loss rubber surround. These components have been carefully matched for a smooth frequency response and a well behaved roll off. The frame is made of injection molded magnesium. The magnet system has a T-shaped cross section of the pole piece for low modulation distortion. A relatively large voice coil provides high power handling.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	30-2500	Hz	Voice coil inductance	0.6	mH
Short term max. power	300	W	Force factor	8.5	N/A
Long term max. power	80	W	Free air resonance	27	Hz
Sensitivity (1W/1m)	93	dB	Moving mass	34	g
			Suspension compliance	1.0	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	2.8	Ns/m
Voice coil height	12	mm	Effective piston area	350	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	6.0	mm	Vas	156.8	Liters
Max. coil travel (p-p)	20	mm	Qms	2.30	
Magnet weight	0.64	Kg	Qes	0.54	
Total weight	2.00	Kg	Qts	0.44	



## Seas SP17R H9928

This 6.5" passive radiator is intended for use as an alternative to the vented port in a bass reflex cabinet. In many applications a traditional port may produce air noise which is often improved by use of a passive radiator instead.

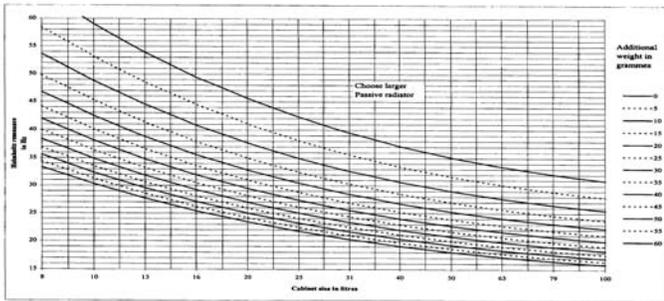
The cone is equipped with a 4mm screw to which you can easily affix added mass.

For optimum performance the passive radiator should be mounted vertically. This is especially important when significant additional mass is used. Polypropylene cone, rubber surround, and injection molded zinc frame.



Nominal Impedance	Ohms	Voice coil resistance	Ohms
Recom. frequency range	Hz	Voice coil inductance	mH
Short term max. Power	W	Force factor	N/A
Long term max. power	W	Free air resonance	26 Hz
Sensitivity (1W/1m)	dB	Moving mass	21.5 g
		Suspension compliance	1.74 mm/N
Voice Coil Diameter	mm	Suspension mech. resistance	Ns/m
Voice coil height	mm	Effective piston area	130 sq. cm
Air gap height	mm		
Linear coil travel (p-p)	mm	Vas	41 Liters
Max. coil travel (p-p)	19 mm	Qms	
Magnet weight	Kg	Qes	
Total weight	.30 Kg	Qts	

Passive radiator chart SP17R



## Seas SP21R H9901

This 8" passive radiator is intended for use as an alternative to the vented port in a bass reflex cabinet. In many applications a traditional port may produce air noise which is often improved by use of a passive radiator instead.

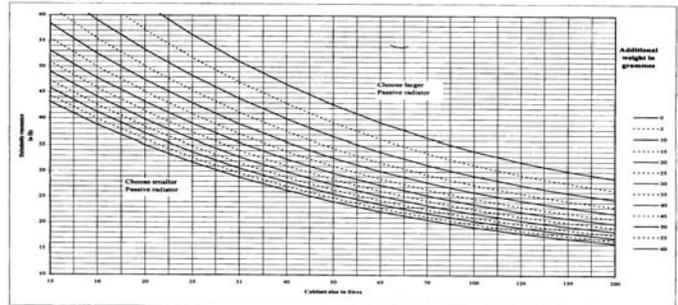
The cone is equipped with a 4mm screw to which you can easily affix added mass.

For optimum performance the passive radiator should be mounted vertically. This is especially important when significant additional mass is used. Polypropylene cone, rubber surround, and injection molded zinc frame.



Nominal Impedance	Ohms	Voice coil resistance	Ohms
Recom. frequency range	Hz	Voice coil inductance	mH
Short term max. power	W	Force factor	N/A
Long term max. Power	W	Free air resonance	22 Hz
Sensitivity (1W/1m)	dB	Moving mass	28 g
		Suspension compliance	1.87 mm/N
Voice Coil Diameter	mm	Suspension mech. resistance	Ns/m
Voice coil height	mm	Effective piston area	230 sq. cm
Air gap height	mm		
Linear coil travel (p-p)	mm	Vas	138 Liters
Max. coil travel (p-p)	20 mm	Qms	
Magnet weight	Kg	Qes	
Total weight	.45 Kg	Qts	

Passive radiator chart SP21R



## Seas SP25R H9902

This 10" passive radiator is intended for use as an alternative to the vented port in a bass reflex cabinet. In many applications a traditional port may produce air noise which is often improved by use of a passive radiator instead.

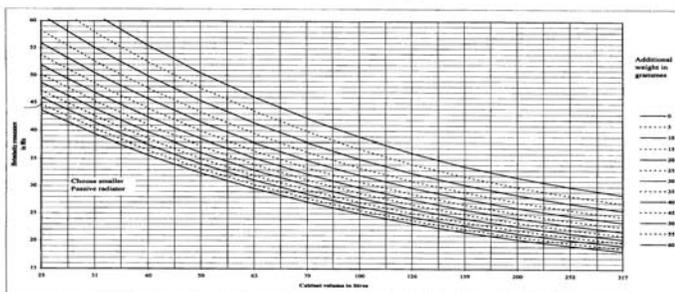
The cone is equipped with a 4mm screw to which you can easily affix added mass.

For optimum performance the passive radiator should be mounted vertically. This is especially important when significant additional mass is used. Polypropylene cone, rubber surround, and injection molded zinc frame.



Nominal Impedance	Ohms	Voice coil resistance	Ohms
Recom. frequency range	Hz	Voice coil inductance	mH
Short term max. power	W	Force factor	N/A
Long term max. Power	W	Free air resonance	22 Hz
Sensitivity (1W/1m)	dB	Moving mass	42 g
		Suspension compliance	1.25 mm/N
Voice Coil Diameter	mm	Suspension mech. resistance	Ns/m
Voice coil height	mm	Effective piston area	350 sq. cm
Air gap height	mm		
Linear coil travel (p-p)	mm	Vas	214 Liters
Max. coil travel (p-p)	25 mm	Qms	
Magnet weight	Kg	Qes	
Total weight	.65 Kg	Qts	

Passive radiator chart SP25R

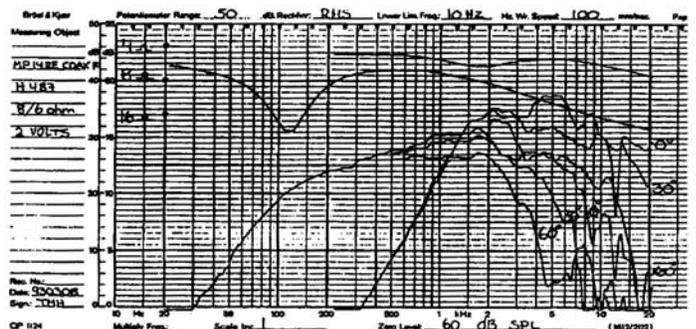


## Seas MP14RECOAX/F H487

This loudspeaker is a coaxial with a time coherent arrangement of a cone midrange and a coated fabric dome tweeter. You can use this speaker in between two woofers in a symmetrical array, creating a stable radiation pattern and smooth frequency response. The woofer is a poly cone with rubber surround and 39mm diameter voice coil. The tweeter has a precoated fabric dome, neodymium-iron-boron magnet and magnetic fluid cooling. The concentric design provides better imaging and easier crossover design.



	Tweeter / Woofer			
Nominal Impedance	6/8 Ohms	Voice coil resistance	4.8/5.6 Ohms	
Recom. frequency range	150-25000 Hz	Voice coil inductance	0.05/0.5 mH	
Short term max. power	220/400 W	Force factor	2.45/7.0 N/A	
Long term max. power	90/110 W	Free air resonance	1800/84 Hz	
Sensitivity (1W/1m)	89/89 dB	Moving mass	0.3/6.0 g	
Voice Coil Diameter	26/39 mm	Suspension compliance	-0.6 mm/N	
Voice coil height	1.5/8 mm	Suspension mech. resistance	-2.7 Ns/m	
Air gap height	2/6 mm	Effective piston area	7/68 sq. cm	
Linear coil travel (p-p)	0.5/2.0 mm	Vas	-/3.6 Liters	
Max. coil travel (p-p)	- mm	Qms	-/1.27	
Magnet weight	0.42 Kg	Qes	-/0.39	
Total weight	1.35 Kg	Qts	-/0.30	

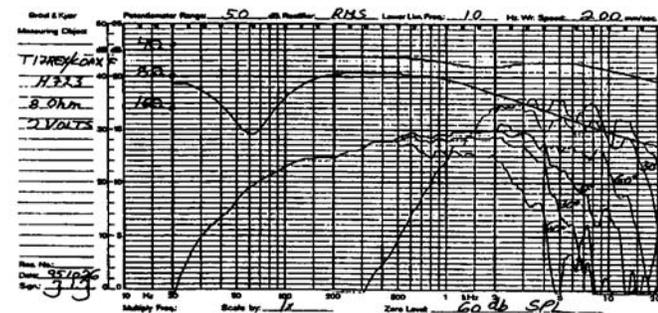


## Seas T17REXCOAX/F H723

The H723 is a clear cone coaxial speaker with a time-coherent arrangement between woofer and tweeter. Tweeter is mounted at the bass of the cone where the dust cap is usually found. The cone of the woofer acts as horn loading for the tweeter. The two drive units have identical acoustic centers, and their directivities in the crossover frequency region are practically identical. Thus it is possible to build a full range Hi Fi system with a symmetrical and stable radiation pattern, combined with a smooth energy response.



Tweeter/Woofers		Voice coil resistance		4.8/6.1 Ohms	
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.6	mH
Recom. frequency range	40-25000	Hz	Force factor	2.45/8.2	N/A
Short term max. power	220/250	W	Free air resonance	1800/38	Hz
Long term max. power	90/80	W	Moving mass	0.3/16	g
Sensitivity (1W/1m)	89/87.5	dB	Suspension compliance	-1.1	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-3.0	Ns/m
Voice coil height	1.5/12	mm	Effective piston area	7.0/120	sq. cm
Air gap height	2.0/6.0	mm			
Linear coil travel (p-p)	0.5/6.0	mm	Vas	-20.8	Liters
Max. coil travel (p-p)	-19	mm	Qms	-1.35	
Magnet weight	-0.64	Kg	Qes	-0.37	
Total weight	-1.85	Kg	Qts	-0.29	

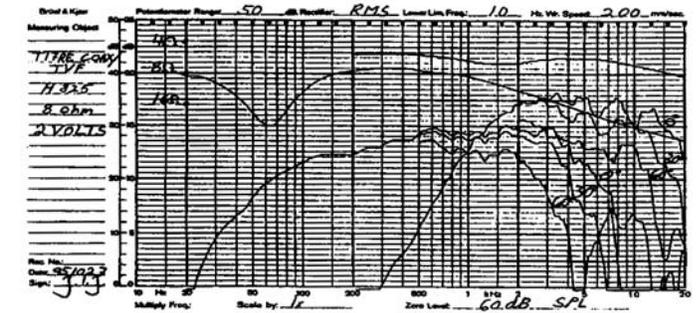


## Seas T17REXCOAX/TF H825

The H825 is a clear cone coaxial speaker with a time-coherent arrangement between woofer and tweeter. Tweeter is mounted at the bass of the cone where the dust cap is usually found. The cone of the woofer acts as horn loading for the tweeter. The two drive units have identical acoustic centers, and their directivities in the crossover frequency region are practically identical. Thus it is possible to build a full range Hi Fi system with a symmetrical and stable radiation pattern, combined with a smooth energy response. Shielded for use near a CRT. Same specs as H723 except QTS is 0.31.



Tweeter/Woofers		Voice coil resistance		4.8/6.1 Ohms	
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.6	mH
Recom. frequency range	40-25000	Hz	Force factor	2.45/8.2	N/A
Short term max. power	220/250	W	Free air resonance	1800/38	Hz
Long term max. power	90/80	W	Moving mass	0.3/16	g
Sensitivity (1W/1m)	89/87.5	dB	Suspension compliance	-1.1	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-3.0	Ns/m
Voice coil height	1.5/12	mm	Effective piston area	7.0/120	sq. cm
Air gap height	2.0/6.0	mm			
Linear coil travel (p-p)	0.5/6.0	mm	Vas	-20.8	Liters
Max. coil travel (p-p)	-19	mm	Qms	-1.35	
Magnet weight	-0.64	Kg	Qes	-0.37	
Total weight	-1.85	Kg	Qts	-0.31	

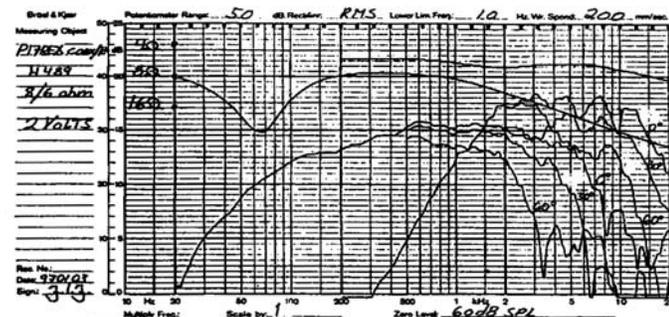


## Seas P17REXCOAX/F H489

The H489 is a coaxial speaker with a time-coherent arrangement between woofer and tweeter. Tweeter is mounted at the bass of the cone where the dust cap is usually found. The cone of the woofer acts as horn loading for the tweeter. The two drive units have identical acoustic centers, and their directivities in the crossover frequency region are practically identical. Thus it is possible to build a full range Hi Fi system with a symmetrical and stable radiation pattern, combined with a smooth energy response.



Tweeter/Woofers		Voice coil resistance		4.8/6.1 Ohms	
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.6	mH
Recom. frequency range	40-25000	Hz	Force factor	2.45/8.5	N/A
Short term max. power	220/250	W	Free air resonance	1800/35	Hz
Long term max. power	90/100	W	Moving mass	0.3/14.5	g
Sensitivity (1W/1m)	89/89	dB	Suspension compliance	-1.4	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-2.0	Ns/m
Voice coil height	1.5/12	mm	Effective piston area	7.0/120	sq. cm
Air gap height	2.0/6.0	mm			
Linear coil travel (p-p)	0.5/6.0	mm	Vas	-26.9	Liters
Max. coil travel (p-p)	-20	mm	Qms	-1.70	
Magnet weight	-0.64	Kg	Qes	-0.29	
Total weight	-1.60	Kg	Qts	-0.25	

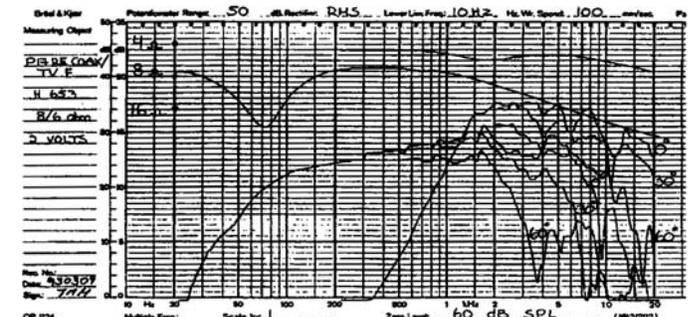


## Seas P17REXCOAX/F H653

The H653 is a coaxial speaker with a time-coherent arrangement between woofer and tweeter. Tweeter is mounted at the bass of the cone where the dust cap is usually found. The cone of the woofer acts as horn loading for the tweeter. The two drive units have identical acoustic centers, and their directivities in the crossover frequency region are practically identical. Thus it is possible to build a full range Hi Fi system with a symmetrical and stable radiation pattern, combined with a smooth energy response. Shielded for use near CRTs. Same specs as H489 except QTS is 0.31.



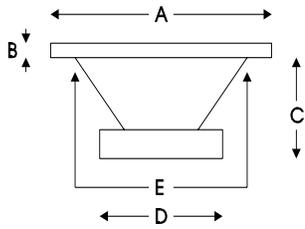
Tweeter/Woofers		Voice coil resistance		4.8/6.1 Ohms	
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.6	mH
Recom. frequency range	40-25000	Hz	Force factor	2.45/8.5	N/A
Short term max. power	220/250	W	Free air resonance	1800/35	Hz
Long term max. power	90/100	W	Moving mass	0.3/14.5	g
Sensitivity (1W/1m)	89/89	dB	Suspension compliance	-1.4	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-2.0	Ns/m
Voice coil height	1.5/12	mm	Effective piston area	7.0/120	sq. cm
Air gap height	2.0/6.0	mm			
Linear coil travel (p-p)	0.5/6.0	mm	Vas	-26.9	Liters
Max. coil travel (p-p)	-20	mm	Qms	-1.70	
Magnet weight	-0.64	Kg	Qes	-0.29	
Total weight	-1.60	Kg	Qts	-0.31	



Unit	Sealed Liters	Sealed F3 Hz	Vented Liters	Vented F3 Hz	Port Ø"	Port L"
W12CY-001	1.5	100	3	60	1	5
W15CY-001	4	78	6	50	1	4
W18E-001	11	65	17	40	1.5	4.5
W18E-001/TV	9.5	71	13	49	1.5	4.8
W18EX-001	5	92	9	60	1.5	5.6
W22EX-001	22.5	56	34	37	2	5
W26FX-001	51	41	80	26	3	9.9
MCA11RC	3-5	140	-	-	-	-
MP12VC	2	145	-	-	-	-
MP14RCY	1.5	145	-	-	-	-
MP14RCY/P	1.2	167	-	-	-	-
CA11RCY	0.7	173	1	113	1	4.5
L11RC/P	1	125	2	75	1	5.5
P11RC	1.6	114	3	65	1	4
P11RCY	0.6	170	1	113	0.75	3.3
P14RC	3.6	100	5	68	1	2.75
P14RCY	1.5	150	2	107	1	3.7
P14RC/TV	7	90	11	62	1.5	3.7
L14RC/P	3.4	88	5	58	1	3.7
G15RLY/P	2.6	105	5	60	1	2.6
CB17RCY/P	6	100	12	60	2	4.9
P17RC	10.5	78	15	52	2	6
P17RCY	2.2	108	4	70	1	4
P17RC/TV	7	92	10	62	1.5	3.75

Unit	Sealed Liters	Sealed F3 Hz	Vented Liters	Vented F3 Hz	Port Ø"	Port L"
P17RE	8.5	73	12	49	1.5	4.8
P17RE/TV	5.3	89	8	61	1.5	5.75
P17REX	4.2	97	8	62	1.5	5.5
L18RCY/P	16	70	30	39	2	3.25
G18RNXP	7	80	14	50	1.5	4
CA21RE	45-60	45	-	-	-	-
CA21REX	24	65	37	42	2	3
L21RNXP	27	55	45	34	3	10
L21RN4XP	14	59	20	41	2	9
P21REX	26	63	46	38	3	7
P21RF/P	14	70	31	40	2	3.8
P21RFX/P	6	100	11	67	2	6.25
P21RE4X/DC	16	70	34	40	2	3.6
25F-EW	58	50	80	36	3	5.5
CA25RE4X/DC	45	57	70	37	3	5.2
P25REX	90	44	-	-	-	-
MP14REcoax/F	0.8	200	1	120	1	2.6
T17REXcoax/F	4.2	93	8	55	1.5	5.25
T17REcoax/TVF	4.9	87	10	51	1.5	5
P17REXcoax/F	3.8	100	7	65	1	2.4
P17REcoax/TVF	6.5	80	12	46	1.5	4.4
CW17E-001	8	90	14	50	2	4
C21EX-001	10	65	23	36	2	7

1 cubic foot = 1728 cubic inches = 28.3 liters = 28315 cm<sup>3</sup>



1" = 25.4mm = 2.54cm

**swcs**

Unit	A mm	B mm	C mm	D mm	E mm
(H623)	60	2.1	18	45.9	45.9
(H737), (H561), (H586)	93.8	3.1	18.4	66.5	66.5
(H830)	93.8	3.5	19.5	66	66
(H569), (H857)	93.8	3.6	28.4	74.5	74.5
(H519), (H400), (H537)	103.8	3.6	37.9	74.8	74.8
(H881), (H883), (H1149)	103.8	3.5	39.5	74.8	74.8
(H398), (H831), (H882)	103.8	3.6	24.4	74.8	74.8
(E006) / (E011)	110.4	6.3	53 / 35	75	75
(H143), (H454), (H759)	109.4	4.4	49.1	72	95.8
(H149), (H455), (E001)	109.4	4.4	55.1	93	95.8
(H453)	120.5	4.5	51.5	72	95.3
(E021)	120.4	5	58.5	93	95.8
(H422), (H522), (E008), (H393)	133.2	3.7	65.3	93	112.8
(H395), (H761)	133.2	3.7	62.3	72	112.8
(H626)	133.2	3.7	81.3	84	112.8
(E015), (H1106)	146	4.2	67.3	90	112
(H352), (H419), (H823), (H571)	170.4	3.8	67.7	93	145.3
(H416)	170.4	3.8	67.7	110	145.3
(H353)	170.4	3.8	64.7	72	145.3
(H627)	170.4	3.8	81.7	84	145.3
(H690)	170.4	3.8	87.2	104	145.3
(E018), (E017), (H1085), (H1100)	176	5.2	73.3	110	145.2
(H282), (H333), (H511), (H442), (H397)	215.4	4.7	75.3	110	186.8
(H512)	215.4	4.7	75.3	134	186.8
(H955), (H956)	215.4	4.7	80.3	110	186.8
(E022)	221.4	5.5	90	110	186.4
(H283), (H372), (H085)	261.2	4.2	82.8	110	229
(H489), (H723)	170.4	3.8	78.2	110	145.3
(H653), (H825)	170.4	3.8	97.7	104	145.3
(E026)	269	5.8	106.7	134	232.2



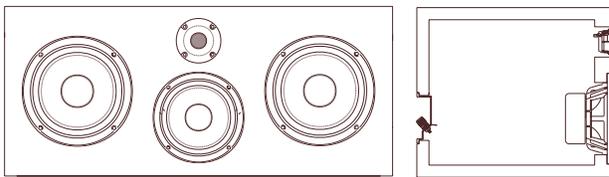
Model	Size Description	Ω	Fs Hz	Qts	Vas Ltrs	Xmax mm	Power Watts	dB	Cost Each
<b>Soft and Hard dome tweeters</b>									
TM101A7	Micro 10mm ion deposited gold dome, very small	8	3000	-	-	0.25	25	87	\$10.10
AW010E1	Shielded 10mm polymer dome, 60mm x 60mm flange	8	3000	-	-	0.25	25	91.5	\$8.35
TW010E1	10mm polymer dome, 60mm x 60mm flange, shallow, 6kHz +	8	3000	-	-	0.25	25	90	\$5.60
TW010F1	10mm polymer dome, 74mm round flange	8	3000	-	-	0.25	25	90	\$5.15
TW010I1	Titanium coated 10mm dome, protective grill, 74mm flange	8	3000	-	-	0.25	25	91	\$8.35
TM020G3	Micro 20mm textile dome with truncated flange	8	1561	1.24	-	0.15	40	91	\$19.15
TM020G1	Micro 20mm textile dome with truncated flange	4	1505	1.1	-	0.15	40	92	\$19.15
TM020J3	Micro 20mm textile dome with round flange	8	1579	1.34	-	0.15	40	92	\$19.15
TM025F1	Micro 25mm textile dome, neodymium mag. 70mm flange	8	1090	-	-	0.05	60	92	\$19.10
TM025F9	Same as TM025F1, but with truncated flange (flat top and bottom)	8	1090	-	-	0.05	60	91	\$19.10
TM025F7	Micro 25mm Titanium dome with round flange	8	1250	-	-	0.05	60	91	\$20.55
TW025A0	25mm textile dome, 100mm round flange, 74mm hole	8	1090	-	-	0.65	55	90	\$21.25
TW025A2	As above but 4 ohm, used in Spica TC50 speaker	4	900	-	-	0.65	55	93	\$21.25
TW025L0	25mm textile dome, 90mm x 120mm flange	8	900	-	-	0.65	55	90	\$21.25
DTI01	25mm Titanium dome with protective phase ring	8	1700	-	-	-	50	94	\$35.25
TW034X0	34mm textile dome, 132mm round flange, 103mm hole	8	800	-	-	0.25	70	93	\$40.35
Replacement voice coil assemblies are available for TW025A0, TW025A2 & TW034X0 tweeters.									
<b>Prestige Series Aerogel Cone Drivers - Cast Frames, Rubber Surrounds</b>									
AM100Z0	Shielded 4" Aerogel cone mid / bass	8	75	0.37	3.34	2	40	87	\$55.00
AM130Z2	Shielded 5.25" Aerogel cone mid / bass	8	57	0.29	10.58	2.6	50	89.8	\$66.65
AM170Z2	Shielded 6.5" Aerogel cone woofer	8	42	0.37	30	3.25	60	89.2	\$76.65
AM210Z2	Shielded 8" Aerogel cone woofer	8	32	0.32	88.6	4.4	70	90.6	\$99.00
HM100Z2	4" Aerogel cone mid / bass	8	70	0.41	3.89	2.5	40	86.5	\$50.00
HM130Z12	5.25" Aerogel cone mid / bass	8	55	0.41	10.69	3.1	50	87.8	\$63.30
HM170Z18	6.5" Aerogel cone woofer	8	39	0.34	36	3.25	60	89.3	\$70.00
HM210Z12	8" Aerogel cone woofer	8	32	0.33	86.24	4.4	70	90.7	\$91.60
<b>Reference Series Carbon Fiber Cone Drivers - Cast Frames, Rubber Surrounds</b>									
HM100C0	4" Carbon fiber cone mid/bass, very flat response, low fs	8	54	0.21	6.4	1.8	40	89	\$51.30
HM130C0	5.25" Carbon fiber cone mid/bass, smooth response, low fs	8	46	0.31	18.0	3.0	50	90	\$70.00
HM170C0	6.5" Carbon fiber cone woofer, good for 2-way or MTM design	8	42	0.32	30.6	3.0	60	90	\$86.65
HM210C0	8" Carbon fiber cone woofer, good bass and mid frequencies	8	31	0.39	83	4.15	70	90	\$105.00
<b>Reference Series Treated Paper Cone Drivers - Cast Frames, Rubber Surrounds</b>									
HM100G12	4" Treated paper cone mid/bass, flat to 5kHz	8	71	0.45	3.25	2.5	40	85.2	\$34.15
HM130G14	5.25" Treated paper cone mid/bass, great to 5kHz	8	58	0.48	8.83	3.1	50	86.4	\$40.10
HM170G8	6.5" Treated paper cone woofer, flat to 5kHz	8	42	0.35	28.19	3.25	60	89.3	\$47.50
HM210G6	8" treated paper cone woofer, great response for 2-way	8	33	0.49	81.67	4.4	70	88.9	\$60.85
<b>Professional Series Drivers</b>									
PR125T1	Horn tweeter, 1" textile dome, low fs and high efficiency, smooth	8	1170	-	-	0.7	70	96	\$36.65
PR170M0	6" Paper cone midrange, cast frame (not a woofer!)	8	117	0.51	5.52	0.5	100	100	\$69.00
PR170Z0	6" Aerogel cone midrange, phase plug, cast frame (not a woofer!)	8	185	0.40	3.31	0.5	100	99	\$78.00
PR240Z0	10" Aerogel cone woofer, high efficiency, low fs	8	35	0.38	82	4	100	90	\$97.00
PR380M2	15" Paper cone woofer, used in Basszilla project	8	23.8	0.15	376	5.5	350	100	\$340.00
<b>Autosound drivers</b>									
TM010A1	Micro Series 10mm polymer dome, for autosound, very small	4	3000	-	-	0.25	25	90	\$8.75
250018P / Pair	Flush mount kit for TM010A1, 40mm Ø x 20mm deep	-	-	-	-	-	-	-	\$13.95
250019Q / Pair	Surface mount kit for TM010A1, 33mm Ø x 15mm deep	-	-	-	-	-	-	-	\$13.95
HT300Z2	12" Aerogel subwoofer (used in Audax A/V System)	4	32	0.34	162	8	120	93.4	\$83.30
<i>Several customers have commented that the Polymer Chassis drivers work well in autosound applications.</i>									
<b>Polymer Chassis Woofers</b>									
AP080G0	Shielded 3" treated paper cone full range	6	142	0.97	0.61	1.6	25	82.6	\$19.90

Model	Size Description	$\Omega$	Fs Hz	Qts	Vas Ltrs	Xmax mm	Power Watts	dB	Cost Each
HP080G0	3" treated paper cone full range	6	118	0.51	0.93	1.6	25	85.4	\$17.65
AP080M4	Shielded 3" paper cone full range, foam surround	6	123.6	0.91	0.87	1.6	25	83.2	\$18.75
HP080M0	3" paper cone full range, foam surround	6	120	0.51	0.93	1.6	25	85.4	\$16.50
AP100G0	Shielded 4" treated paper cone, response from 80Hz to 4kHz	6	68	0.60	3.37	2.7	30	84.5	\$24.70
HP100G0	4" treated paper cone, response from 80Hz to 4kHz	6	68	0.34	4.33	2.7	30	87	\$22.50
AP100Z0	Shielded 4" Aerogel cone, response from 90Hz to 3.5kHz	6	64	0.49	4.72	2.7	30	84.7	\$29.70
HP100Z0	4" Aerogel cone, response from 90Hz to 3.5kHz	6	68.1	0.37	4.03	2.7	30	86.3	\$27.00
AP130Z0	Shielded 5.25" Aerogel cone, response 99S/60V to 2.5kHz	6	57.6	0.41	10.9	2.5	40	87.4	\$31.95
HP130Z0	5.25" Aerogel cone, response 99S/60V to 2.5kHz	6	56.1	0.38	11.3	3	40	87.7	\$29.25
HP170M0	6.5" Paper cone with foam surround	8	62.3	0.70	16.3	4	45	88.3	\$24.30
AP170Z0	Shielded 6.5" Aerogel cone, response 90S/55V to 2.5kHz	6	48.5	0.38	24.7	3	60	89.3	\$35.10
HP170Z2	6.5" Aerogel cone, response 90S/55V to 2.5kHz	6	48	0.37	25	3.5	60	89.4	\$32.85

**Audax Kits on the Web - [www.audax.fr](http://www.audax.fr) - Audax Kit Brochure Available on Request - Cabinets are oak veneer**

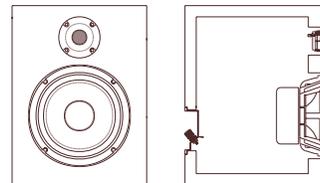
Audax Center Channel - Each	Designed by Joseph D'Appolito, this kit consists of the following shielded Audax drivers: (2x) AP170Z0 Aerogel 6.5" woofers, AP130Z0 Aerogel 5" midbass and TM025F1 1" textile dome tweeter. (Without cabinets \$180 / each)	\$330.00 Each
Audax Fronts Pair	Designed by Joseph D'Appolito, this kit consists of the following shielded Audax drivers: (2x) AP170Z0 Aerogel 6.5" woofers, TM025F1 1" textile dome tweeter. (Without cabinets \$260 / pair)	\$560.00 Pair
Audax Rears Pair	Designed by Joseph D'Appolito, this kit consists of the following shielded Audax drivers: AP170Z0 Aerogel 6.5" woofer, TM025F1 1" textile dome tweeter. (Without cabinets \$170 / pair)	\$350.00 Pair
Audax Sub Each	Designed by Joseph D'Appolito. Parts only include HT300Z2 12" woofer, KG5150 subwoofer amplifier, insulation. We have a cabinet that is 15.5" wide, 28.5" tall x 17.75" deep, you need to add a port (NHT Cab. \$195.00)	\$235.00 Each

**Audax Center Channel**



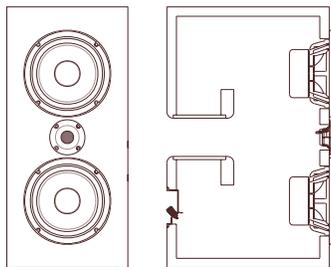
Our Cabinet Dimensions: 24" wide x 11" tall x 13 3/4" deep (including 1/2" grill)

**Audax Rear Channel**



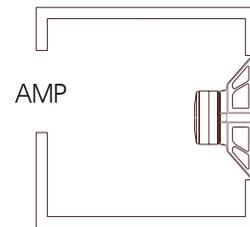
Our Cabinet Dimensions: 9" wide x 12 1/2" tall x 9 3/4" deep (including 1/2" grill)

**Audax Front Channel**



Our Cabinet Dimensions: 9 1/2" wide x 20 1/2" tall x 14 1/2" deep (including 1/2" grill)

**Audax Subwoofer**

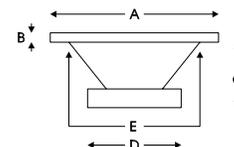


Audax Dimensions: 19 1/2" wide x 19 1/2" tall x 19 1/2" deep

Unit	A mm	B mm	C mm	D mm	E mm
TM010A1	29.5 $\emptyset$	14	-	29.5	-
TM010A7	29.5	14	-	29.5	-
TM025F1/7/9	70 $\emptyset$	2.5	30	25	50
AW010E1	60 x 60	2.4	20.3	29x29	48
TW010F1/II	74 $\emptyset$	2.6 / 4.2	14.4	29x29	48
TM020G..	53 $\emptyset$ /42 tr.	2.5	28	-	32.4
TM020J..	65 $\emptyset$	2.5	28	-	40
TW025A...	100 $\emptyset$	2	23.5	73.5	73.5
TW025L...	120 x 90	2	23.5	73.5	73.5
TW034X0	132.2 $\emptyset$	2	29	102.5	102.5
DTI01	114 $\emptyset$	4.2	22	71	71
PR125T1	100 $\emptyset$	1.5	58	73.5	73.5
PR170M0/Z0	190 $\emptyset$	8	70	124.6	145
AP080..	92	5.5	52	56.5	72.5
AP100..	117 $\emptyset$	7	60	70	90
AP130..	143 $\emptyset$	7	66.5	81.4	112
AP170..	173 $\emptyset$	9	79.5	96	144
HP080..	92	5.5	44	60	72.5

Unit	A mm	B mm	C mm	D mm	E mm
HP100..	117 $\emptyset$	7	49	73.5	90
HP130..	143 $\emptyset$	7	54	73.5	112
HP170..	173 $\emptyset$	9	67	86.1	144
AM100..	110 x 110	6	63	82	93.6
AM130..	136 x 136	7	77.5	96	118
AM170..	166 x 166	7.2	82	96	145
AM210..	210 x 210	8	99	110	187
HM100...	110x110	6	52	85.8	94
HM130...	136x136	6.8	70.5	102.5	115.4
HM170...	166x166	7.2	77	124.6	145
HM210...	210x210	7.3	89	124.6	186.5
HT300Z2	305	9.5	138.2	124.6	179.4

25.4mm = 1"  
28.3 ltrs = 1 ft<sup>3</sup>



## TM010A7



- 10mm Gold Dome Micro Tweeter
- Ion deposited 24k gold
- Ultra light and compact
- Ferrofluid cooled
- Formerless VC
- Surface or flush mount
- Flange 29.5mm
- Cut-out 29.5mm
- Depth 14mm

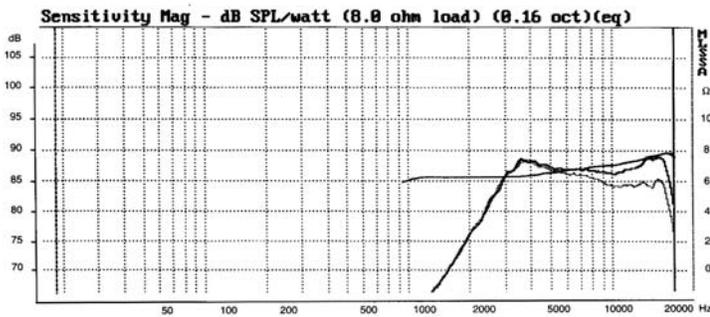
Znom	8 ohm	Sd	cm <sup>2</sup>
Re	5.5 ohm	BL	1.1 N/A
Le@1kHz	.32 mH	Vas	- ltrs
fs	3000 Hz	Xmax	0.25 mm peak
Qms	-	VC Ø	10 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	87 dB
Mms	.11 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	0.01 kg

## AW010E1



- **Shielded** 10mm Polymer Dome Tweeter
- Ferrofluid cooled
- Ultra light
- Fully shielded for A/V
- Extended frequency response
- Flange 60x60mm
- Cut-out 48mm
- Depth 20.3mm

Znom	8 ohm	Sd	cm <sup>2</sup>
Re	5.5 ohm	BL	1.5 N/A
Le@1kHz	.03 mH	Vas	- ltrs
fs	3000 Hz	Xmax	0.25 mm peak
Qms	-	VC Ø	10 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	91.5 dB
Mms	.11 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	0.08 kg



## TW010E1



- 10mm Polymer Dome Tweeter
- Formerless VC
- Ferrofluid cooled
- Light and compact
- Suitable for auto or home use
- Flange 60x60mm
- Cut-out 48mm
- Depth 14.4mm

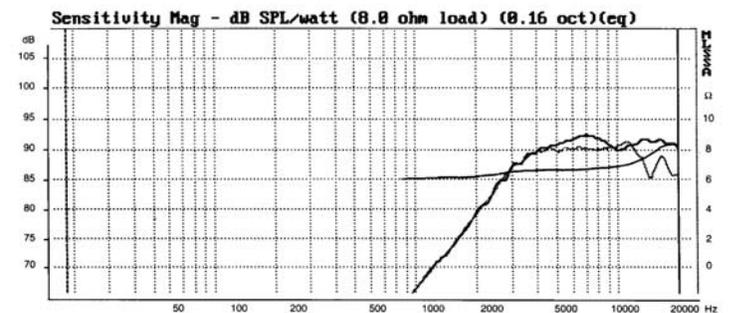
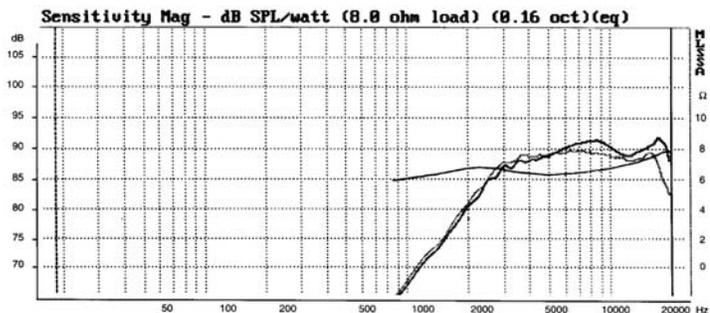
Znom	8 ohm	Sd	.03 cm <sup>2</sup>
Re	5.5 ohm	BL	1.3 N/A
Le@1kHz	.03 mH	Vas	- ltrs
fs	3000 Hz	Xmax	0.25 mm peak
Qms	-	VC Ø	10 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	.11 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	0.05 kg

## TW010F1



- 10mm Polymer Dome Tweeter
- Formerless VC
- Ferrofluid cooled
- 1st order above 6K
- Exceptional transient response
- Flange 74mm
- Cut-out 48mm
- Depth 14.4mm

Znom	8 ohm	Sd	.03 cm <sup>2</sup>
Re	5.5 ohm	BL	1.3 N/A
Le@1kHz	.03 mH	Vas	- ltrs
fs	3000 Hz	Xmax	0.25 mm peak
Qms	-	VC Ø	10 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	90 dB
Mms	.11 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	0.05 kg



## TW010I1



- 10mm Titanium Dome Tweeter
- Ion deposited pure Titanium
- Ferrofluid cooled
- VC wound onto suspension
- Flange 74mm
- Cut-out 48mm
- Depth 14.4mm

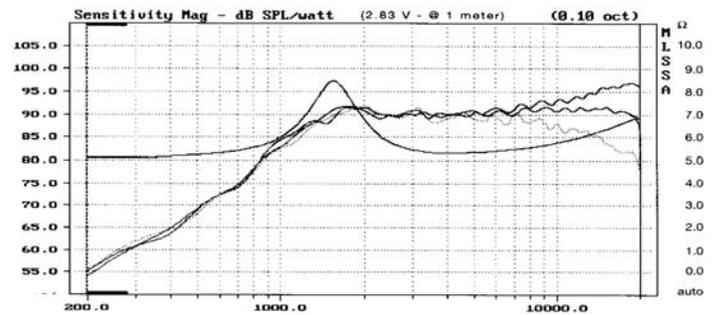
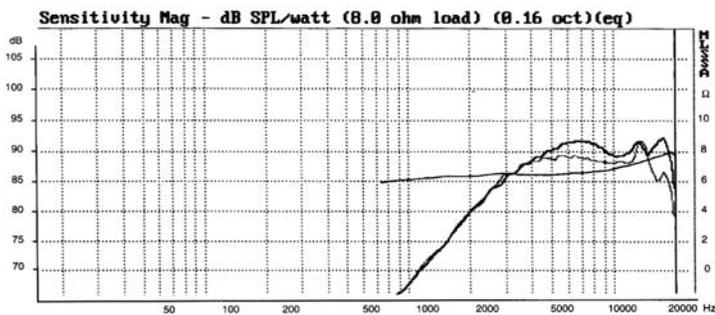
Znom	8 ohm	Sd	.03 cm <sup>2</sup>
Re	5.5 ohm	BL	1.3 N/A
Le@1kHz	.03 mH	Vas	3.1 ltrs
fs	3000 Hz	Xmax	0.25 mm peak
Qms	-	VC Ø	10 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	91 dB
Mms	0.11 g	Nom. Power DIN	25 W
Cms	- mm/N	Net weight	0.05 kg

## TM020G3



- 20mm Textile Dome Micro Tweeter
- Truncated Flange
- 8 ohms
- Ferrofluid cooled
- **Shielded** for A/V
- Neodymium magnet
- Flange 53mm x 42mm
- Cut-out 32.4mm
- Depth 28mm

Znom	8 ohm	Sd	3.14 cm <sup>2</sup>
Re	4.8 ohm	BL	- N/A
Le@1kHz	.03 mH	Vas	- ltrs
fs	1561 Hz	Xmax	.15 mm peak
Qms	2.11	VC Ø	20 mm
Qes	2.99	Sensitivity	
Qts	1.24	1W / 1m	91 dB
Mms	- g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	47 g



## TM020G1



- 20mm Textile Dome Micro Tweeter
- Truncated Flange
- 4 ohms
- Ferrofluid cooled
- **Shielded** for A/V
- Neodymium magnet
- Flange 53mm x 42mm
- Cut-out 32.4mm
- Depth 28mm

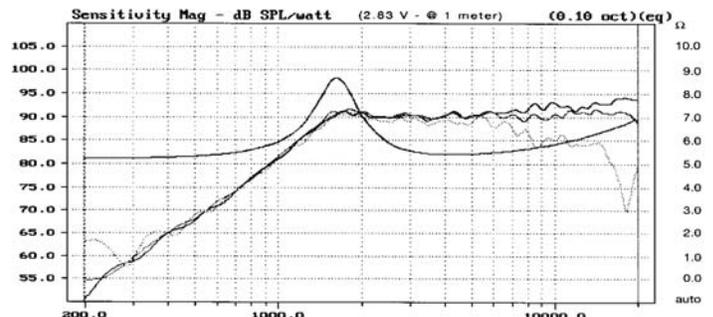
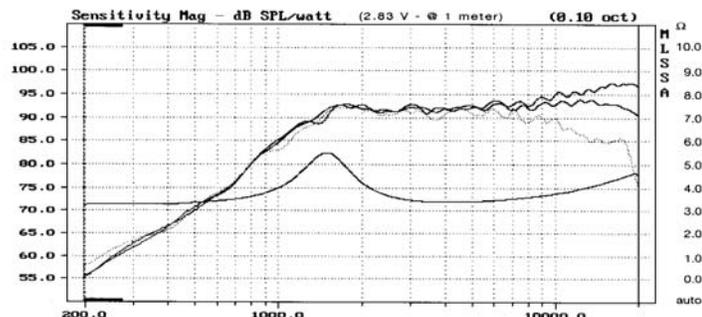
Znom	4 ohm	Sd	3.14 cm <sup>2</sup>
Re	2.97 ohm	BL	- N/A
Le@1kHz	.01 mH	Vas	- ltrs
fs	1505 Hz	Xmax	.15 mm peak
Qms	1.94	VC Ø	20 mm
Qes	2.54	Sensitivity	
Qts	1.10	1W / 1m	92 dB
Mms	- g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	47 g

## TM020J3



- 20mm Textile Dome Micro Tweeter
- Round Flange
- 8 ohms
- Ferrofluid cooled
- **Shielded** for A/V
- Neodymium magnet
- Flange 65mm
- Cut-out 40mm
- Depth 28mm

Znom	6 ohm	Sd	3.14 cm <sup>2</sup>
Re	4.8 ohm	BL	- N/A
Le@1kHz	.02 mH	Vas	- ltrs
fs	1579 Hz	Xmax	.15 mm peak
Qms	2.32	VC Ø	20 mm
Qes	3.19	Sensitivity	
Qts	1.34	1W / 1m	92 dB
Mms	- g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	50 g



## TM025F1



- 25mm Textile Dome Micro Tweeter
- Round Flange
- 8 ohms
- Ferrofluid cooled
- **Shielded** for A/V
- Neodymium magnet
- Flange 70mm
- Cut-out 50mm
- Depth 30mm

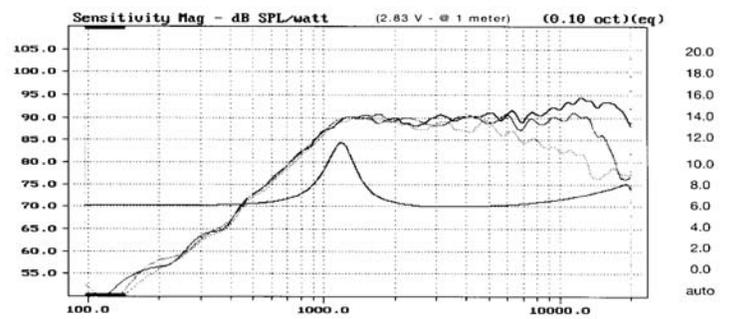
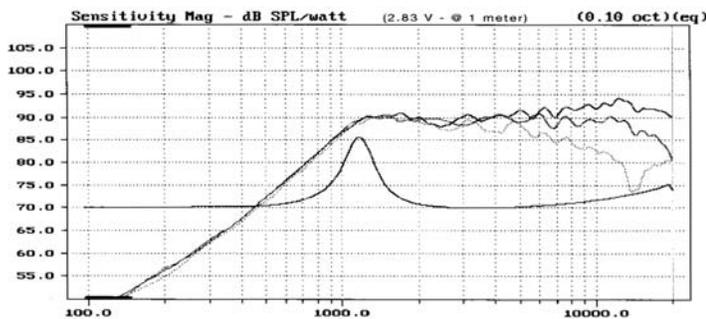
Znom	8	ohm	Sd	-	cm <sup>2</sup>
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	1090	Hz	Xmax	0.05	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	92	dB
Mms	-	g	Nom. Power DIN	60	W
Cms	-	mm/N	Net weight	54	g

## TM025F9



- 25mm Textile Dome Micro Tweeter
- Truncated Flange
- 8 ohms
- Ferrofluid cooled
- **Shielded** for A/V
- Neodymium magnet
- Flange 70mm
- Cut-out 50mm
- Depth 30mm

Znom	8	ohm	Sd	-	cm <sup>2</sup>
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	1090	Hz	Xmax	0.05	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	91	dB
Mms	-	g	Nom. Power DIN	60	W
Cms	-	mm/N	Net weight	54	g



## TM025F7



- 25mm Titanium Dome Micro Tweeter
- Round Flange
- 8 ohms
- Ferrofluid cooled
- **Shielded** for A/V
- Neodymium magnet
- Flange 70mm
- Cut-out 50mm
- Depth 30mm

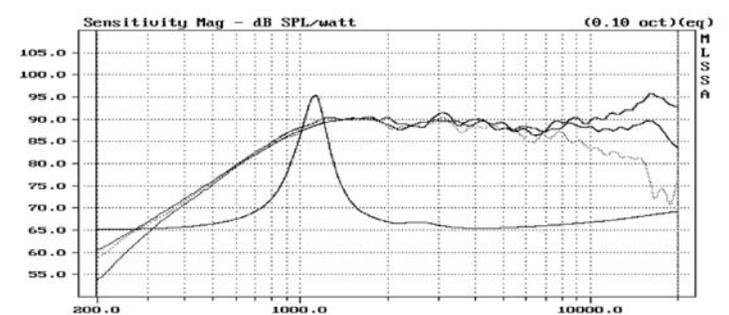
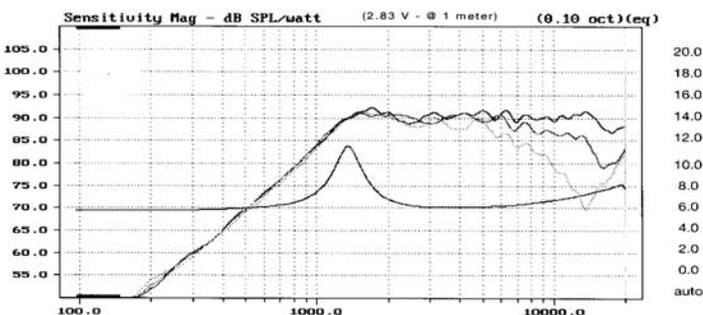
Znom	8	ohm	Sd	-	cm <sup>2</sup>
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	1250	Hz	Xmax	0.05	mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	91	dB
Mms	-	g	Nom. Power DIN	60	W
Cms	-	mm/N	Net weight	54	g

## TW025A0



- 25mm Textile Dome Tweeter
- Extended frequency response
- Replaceable VC
- Solid aluminum face plate
- Flange 100mm
- Cut-out 73.5mm
- Depth 23.5mm

Znom	8	ohm	Sd	4.91	cm <sup>2</sup>
Re	5.8	ohm	BL	-	N/A
Le@1kHz	0.03	mH	Vas	-	ltrs
fs	1090	Hz	Xmax	.65	mm peak
Qms	4.21		VC Ø	25	mm
Qes	1.3		Sensitivity		
Qts	1		1W / 1m	90	dB
Mms	-	g	Nom. Power DIN	55	W
Cms	-	mm/N	Net weight	460	g



## TW025A2



- 25mm Textile Dome Tweeter
- 4 ohms
- Extended response
- Replaceable VC
- Solid aluminum face plate
- Flange 100mm
- Cut-out 73.5mm
- Depth 23.5mm

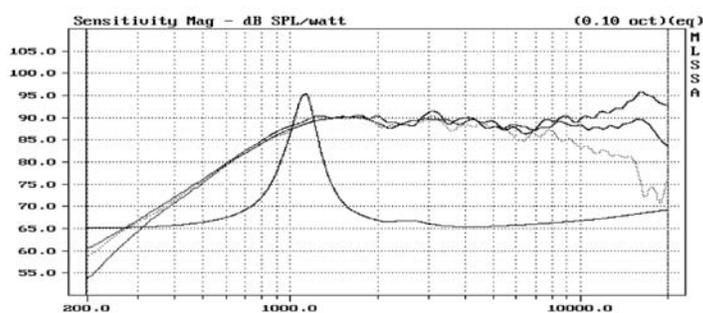
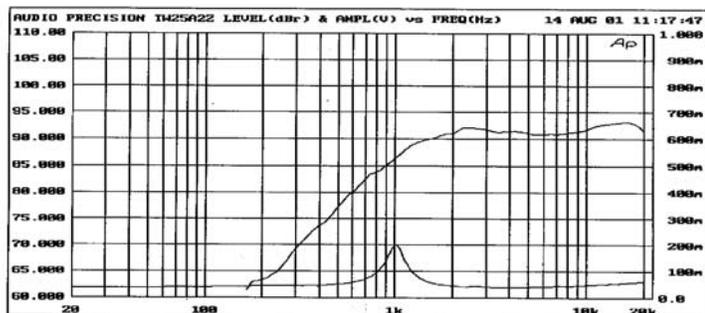
Znom	4	ohm	Sd	-	cm <sup>2</sup>
Re	-	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	900	Hz	Xmax	0.65	mm peak
Qms	-		VC Ø	-	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	93	dB
Mms	-	g	Nom. Power DIN	55	W
Cms	-	mm/N	Net weight	-	kg

## TW025L0



- 25mm Textile Dome Tweeter
- Extended frequency response
- Replaceable VC
- Solid aluminum face plate
- Flange 90 x 120mm
- Cut-out 73.5mm
- Depth 23.5mm

Znom	8	ohm	Sd	4.91	cm <sup>2</sup>
Re	5.8	ohm	BL	-	N/A
Le@1kHz	0.03	mH	Vas	-	ltrs
fs	1090	Hz	Xmax	.65	mm peak
Qms	4.21		VC Ø	25	mm
Qes	1.3		Sensitivity		
Qts	1		1W / 1m	90	dB
Mms	-	g	Nom. Power DIN	55	W
Cms	-	mm/N	Net weight	460	g



## DTI01



- 25mm Titanium Dome Tweeter
- Extended frequency response
- Kapton VC former
- Protective phase ring
- Polymer faceplate
- Flange mm
- Cut-out
- Depth

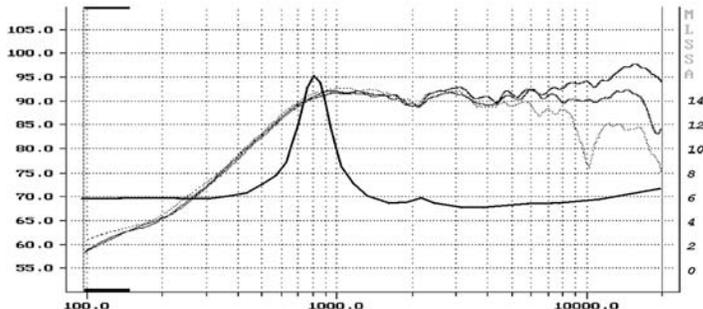
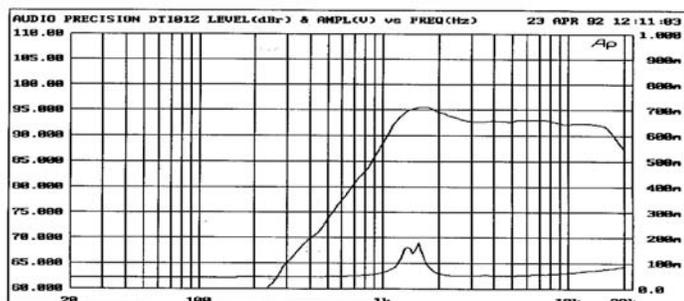
Znom	6	ohm	Sd	-	cm <sup>2</sup>
Re	4.1	ohm	BL	-	N/A
Le@1kHz	-	mH	Vas	-	ltrs
fs	1700	Hz	Xmax		mm peak
Qms	-		VC Ø	25	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	94	dB
Mms	-	g	Nom. Power DIN	50	W
Cms	-	mm/N	Net weight	-	kg

## TW034X0



- 34mm Textile Dome Tweeter
- Replaceable VC
- Solid aluminum face plate
- High power handling
- High efficiency
- Flange 132mm
- Cut-out 106mm
- Depth 29mm

Znom	8	ohm	Sd		cm <sup>2</sup>
Re	5.3	ohm	BL	-	N/A
Le@1kHz		mH	Vas	-	ltrs
fs	800	Hz	Xmax	.25	mm peak
Qms	-		VC Ø	34	mm
Qes	-		Sensitivity		
Qts	-		1W / 1m	93	dB
Mms	-	g	Nom. Power DIN	70	W
Cms	-	mm/N	Net weight	1.18	kg



## AM100Z0



- 4" **Shielded Aerogel Cone** Mid-bass
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 110mm square
- Cut-out 93.6mm
- Depth 63mm

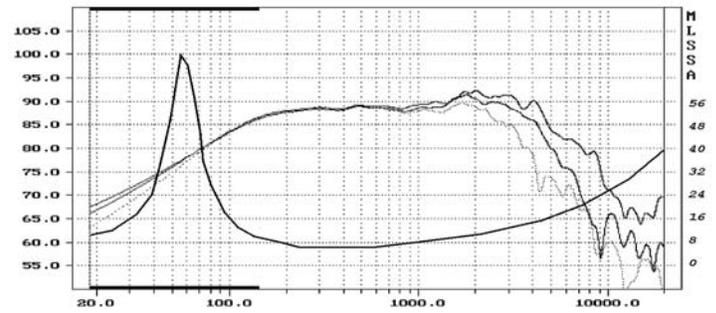
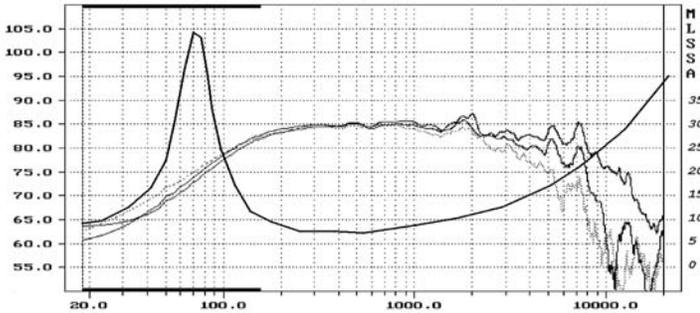
Znom	8 ohm	Sd	cm <sup>2</sup>
Re	6.4 ohm	BL	5.83 N/A
Le@1kHz	.68 mH	Vas	3.34 ltrs
fs	75 Hz	Xmax	2.0 mm peak
Qms	3.12	VC Ø	35 mm
Qes	0.42	Sensitivity	
Qts	0.37	1W / 1m	87.2 dB
Mms	4.69 g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	.90 kg

## AM130Z2



- 5.25" **Shielded Aerogel Cone** Mid-bass
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 136mm square
- Cut-out 118mm
- Depth 77.5mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	5.8 ohm	BL	6.9 N/A
Le@1kHz	0.76 mH	Vas	10.58 ltrs
fs	57 Hz	Xmax	2.6 mm peak
Qms	4.08	VC Ø	25 mm
Qes	0.32	Sensitivity	
Qts	0.29	1W / 1m	89.8 dB
Mms	7.12 g	Nom. Power DIN	50 W
Cms	- mm/N	Net weight	1.6 kg



## AM170Z2



- 6.5" **Shielded Aerogel Cone** Woofer
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 166mm square
- Cut-out 145mm
- Depth 82mm

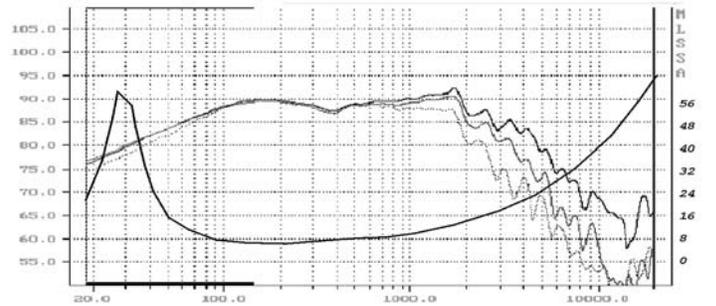
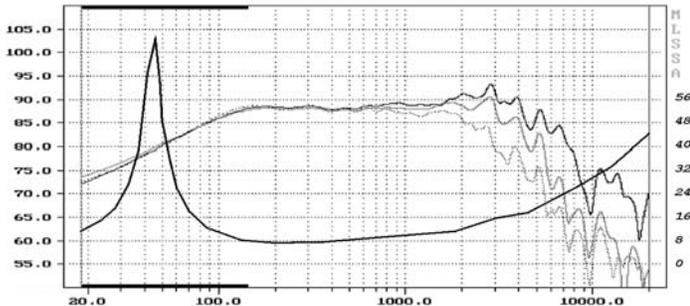
Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.1 ohm	BL	6.93 N/A
Le@1kHz	0.78 mH	Vas	30 ltrs
fs	42 Hz	Xmax	3.25 mm peak
Qms	4.01	VC Ø	30 mm
Qes	0.40	Sensitivity	
Qts	0.37	1W / 1m	89.2 dB
Mms	11.94 g	Nom. Power DIN	60 W
Cms	- mm/N	Net weight	1.4 kg

## AM210Z2



- 8" **Shielded Aerogel Cone** Woofer
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 210mm square
- Cut-out 187mm
- Depth 99mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.4 ohm	BL	8.56 N/A
Le@1kHz	1.39 mH	Vas	88.6 ltrs
fs	32 Hz	Xmax	4.4 mm peak
Qms	3.00	VC Ø	37 mm
Qes	0.36	Sensitivity	
Qts	0.32	1W / 1m	90.6 dB
Mms	21 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	2.3 kg



## HM100Z2



- 4" Aerogel Cone Mid-bass
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 110mm square
- Cut-out 93.6mm
- Depth 51mm

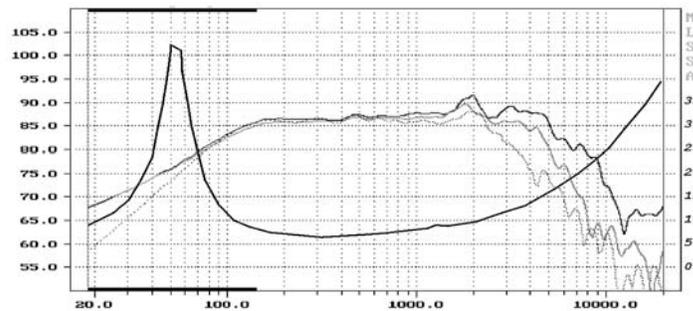
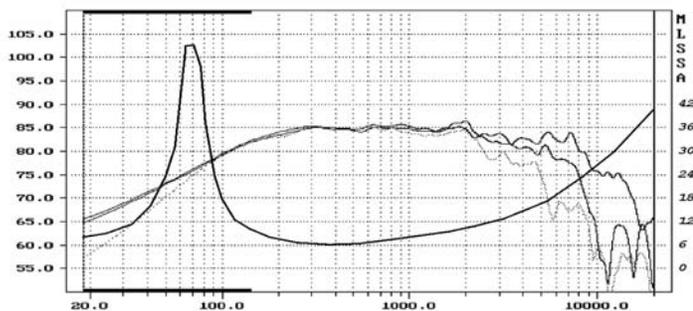
Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.4 ohm	BL	5.39 N/A
Le@1kHz	0.68 mH	Vas	3.89 ltrs
fs	70 Hz	Xmax	2.5 mm peak
Qms	3.81	VC Ø	25 mm
Qes	0.46	Sensitivity	
Qts	0.41	1W / 1m	86.5 dB
Mms	4.68 g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	.70 kg

## HM130Z12



- 5.25" Aerogel Cone Mid-bass
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 136mm
- Cut-out 118mm
- Depth 60mm

Znom	8 ohm	Sd	cm <sup>2</sup>
Re	6.28 ohm	BL	6.11 N/A
Le@1kHz	.33 mH	Vas	10.69 ltrs
fs	55 Hz	Xmax	3.1 mm peak
Qms	4.78	VC Ø	25 mm
Qes	0.44	Sensitivity	
Qts	0.41	1W / 1m	87.8 dB
Mms	7.65 g	Nom. Power DIN	50 W
Cms	- mm/N	Net weight	1.1 kg



## HM170Z18



- 6.5" Aerogel Cone Woofer
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 166mm
- Cut-out 145mm
- Depth 77mm

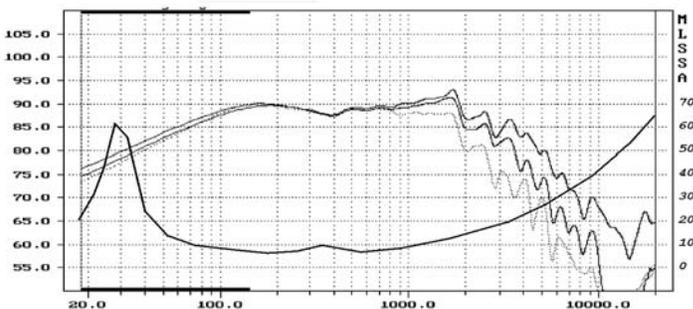
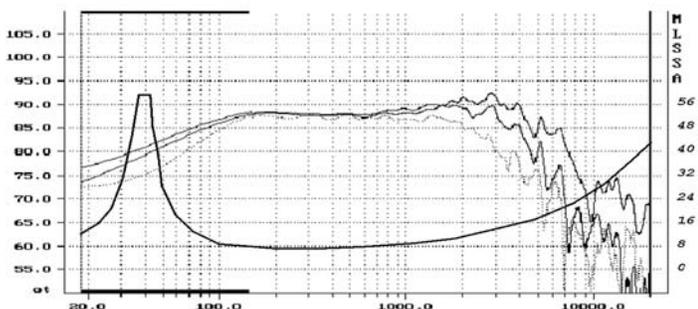
Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	5.7 ohm	BL	6.58 N/A
Le@1kHz	.72 mH	Vas	36 ltrs
fs	39 Hz	Xmax	3.25 mm peak
Qms	4.07	VC Ø	30 mm
Qes	0.38	Sensitivity	
Qts	0.34	1W / 1m	89.3 dB
Mms	11.71 g	Nom. Power DIN	60 W
Cms	- mm/N	Net weight	1.3 kg

## HM210Z12



- 8" Aerogel Cone Woofer
- Diecast chassis
- Phase plug
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 210mm square
- Cut-out 187mm
- Depth 88mm
- 

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.24 ohm	BL	8.4 N/A
Le@1kHz	1.44 mH	Vas	86.24 ltrs
fs	32 Hz	Xmax	4.4 mm peak
Qms	3.24	VC Ø	37 mm
Qes	0.37	Sensitivity	
Qts	0.33	1W / 1m	90.7 dB
Mms	20.71 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	2.2 kg



## HM100C0



- 4" Carbon Fiber Cone Mid-bass
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 110mm square
- Cut-out 94mm
- Depth 57mm

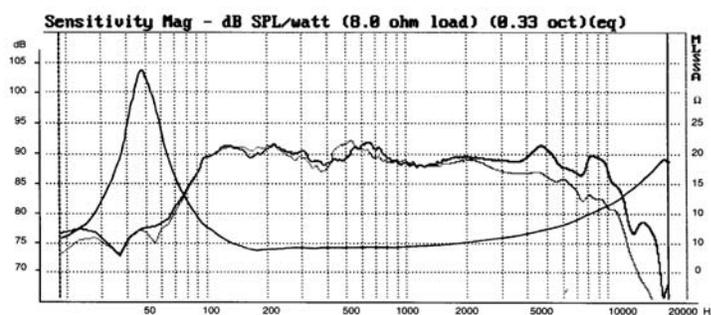
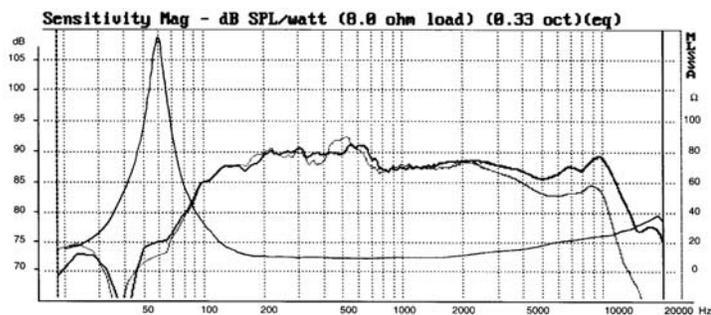
Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.4 ohm	BL	6.96 N/A
Le@1kHz	.11 mH	Vas	6.4 ltrs
fs	54 Hz	Xmax	1.8 mm peak
Qms	3.27	VC Ø	25 mm
Qes	0.22	Sensitivity	
Qts	0.21	1W / 1m	89 dB
Mms	5.1 g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	.93 kg

## HM130C0



- 5.25" Carbon Fiber Cone Mid-bass
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 136mm square
- Cut-out 115.44mm
- Depth 65mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.2 ohm	BL	5.97 N/A
Le@1kHz	.39 mH	Vas	18.1 ltrs
fs	46 Hz	Xmax	3 mm peak
Qms	3.6	VC Ø	25 mm
Qes	.34	Sensitivity	
Qts	.31	1W / 1m	90 dB
Mms	6.9 g	Nom. Power DIN	50 W
Cms	- mm/N	Net weight	1.4 kg



## HM170C0



- 6.5" Carbon Fiber Cone Woofer
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 166mm square
- Cut-out 145mm
- Depth 76mm

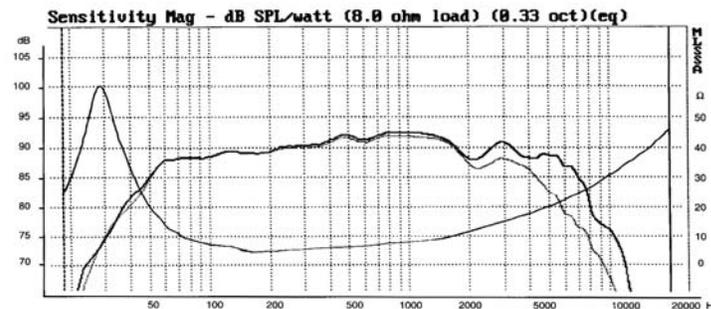
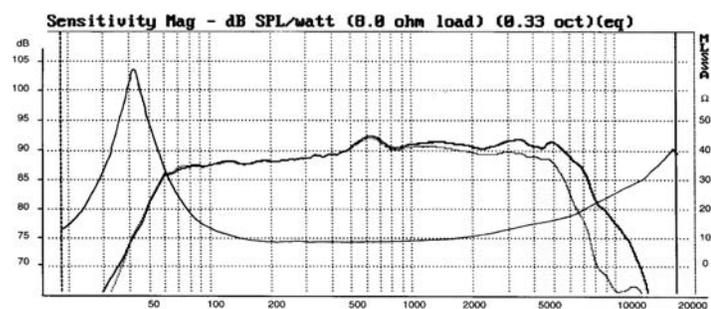
Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.3 ohm	BL	7.6 N/A
Le@1kHz	0.24 mH	Vas	30.6 ltrs
fs	42 Hz	Xmax	3 mm peak
Qms	4.16	VC Ø	30 mm
Qes	0.35	Sensitivity	
Qts	0.32	1W / 1m	90 dB
Mms	12.4 g	Nom. Power DIN	60 W
Cms	- mm/N	Net weight	1.7 kg

## HM210C0



- 8" Carbon Fiber Cone Woofer
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 210mm square
- Cut-out 186.5mm
- Depth 89mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.52 ohm	BL	8.5 N/A
Le@1kHz	.42 mH	Vas	83.1 ltrs
fs	31 Hz	Xmax	4.15 mm peak
Qms	5.17	VC Ø	40 mm
Qes	.42	Sensitivity	
Qts	.39	1W / 1m	90 dB
Mms	23.5 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	2.1 kg

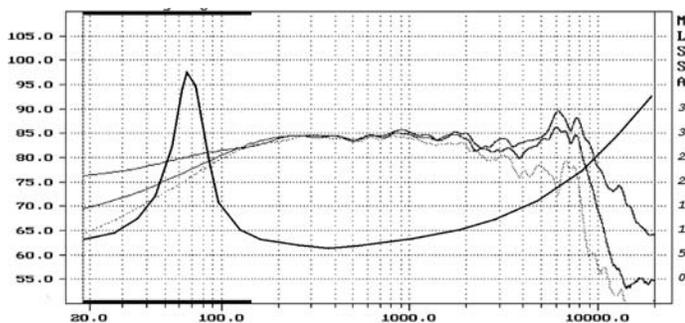


## HM100G12



- 4" Treated Paper Cone Mid-bass
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 110mm square
- Cut-out 93.6mm
- Depth 51mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.29 ohm	BL	5.34 N/A
Le@1kHz	.56 mH	Vas	3.25 ltrs
fs	71 Hz	Xmax	2.5 mm peak
Qms	3.20	VC Ø	25 mm
Qes	0.54	Sensitivity	
Qts	0.45	1W / 1m	85.2 dB
Mms	5.49 g	Nom. Power DIN	40 W
Cms	- mm/N	Net weight	.80 kg

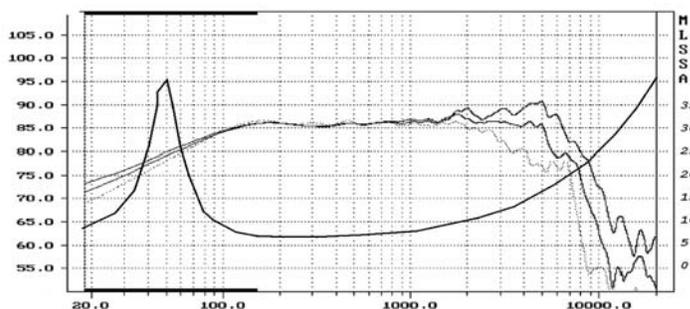


## HM130G14



- 5.25" Treated Paper Cone Mid-bass
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 136mm square
- Cut-out 118mm
- Depth 65mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.07 ohm	BL	5.72 N/A
Le@1kHz	.57 mH	Vas	8.83 ltrs
fs	57.8 Hz	Xmax	3.1 mm peak
Qms	2.98	VC Ø	25 mm
Qes	0.57	Sensitivity	
Qts	0.48	1W / 1m	86.4 dB
Mms	8.58 g	Nom. Power DIN	50 W
Cms	- mm/N	Net weight	1.10 kg

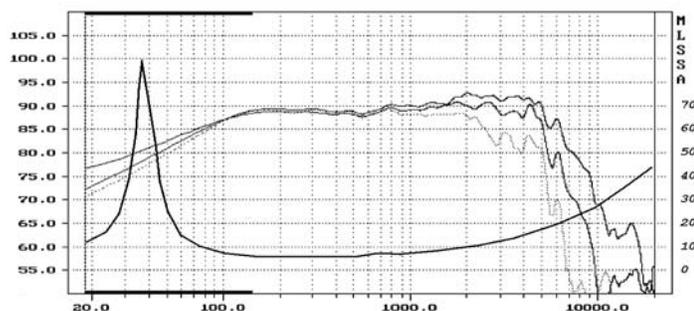


## HM170G8



- 6.5" Treated Paper Cone Woofer
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 166mm square
- Cut-out 145mm
- Depth 77mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	5.7 ohm	BL	7.04 N/A
Le@1kHz	0.78 mH	Vas	29.19 ltrs
fs	42 Hz	Xmax	3.25 mm peak
Qms	5.00	VC Ø	30 mm
Qes	0.38	Sensitivity	
Qts	0.35	1W / 1m	89.3 dB
Mms	12.38 g	Nom. Power DIN	60 W
Cms	- mm/N	Net weight	2.10 kg

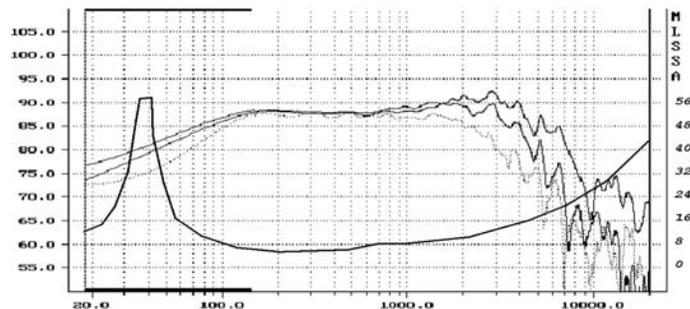


## HM210G6

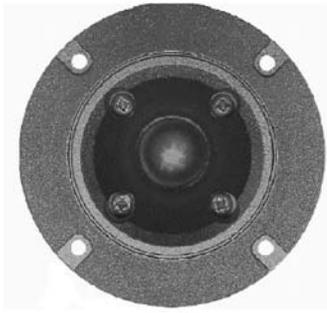


- 8" Treated Paper Cone Woofer
- Diecast basket
- Rubber surround
- Kapton VC former
- Venting under spider
- Gold plated terminals
- Flange 210mm square
- Cut-out 187mm
- Depth 89mm

Znom	8 ohm	Sd	- cm <sup>2</sup>
Re	6.18 ohm	BL	6.85 N/A
Le@1kHz	1.47 mH	Vas	81.67 ltrs
fs	33 Hz	Xmax	4.4 mm peak
Qms	3.75	VC Ø	37 mm
Qes	0.56	Sensitivity	
Qts	0.49	1W / 1m	88.9 dB
Mms	20.78 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	2.20 kg

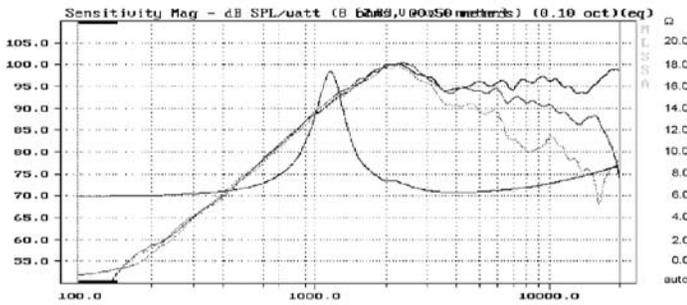


## PR125T1



- 1" Textile Dome Horn Tweeter
- High efficiency
- High impact horn
- Ferrofluid cooled
- Replaceable voice coil
- Low resonance
- Flange 100mm
- Cut-out 80mm
- Depth 58mm

Znom	8 ohm	Sd	8 cm <sup>2</sup>
Re	5.5 ohm	BL	2.9 N/A
Le@1kHz	11 mH	Vas	- ltrs
fs	1170 Hz	Xmax	.7 mm peak
Qms	-	VC Ø	25 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	96 dB
Mms	0.29 g	Nom. Power DIN	70 W
Cms	- mm/N	Net weight	500 g

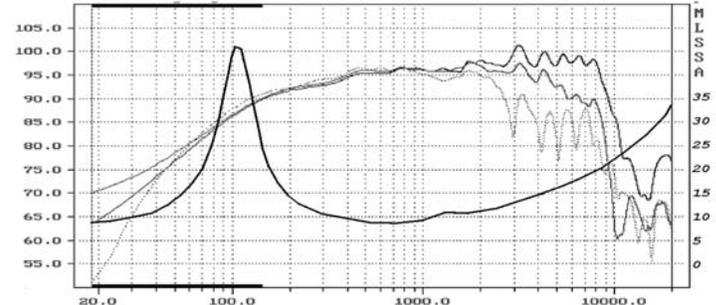


## PR170M0



- 6.5" Paper Cone Pro Midrange
- Diecast basket
- Treated foam surround
- Kapton VC former
- Edgewound 40mm VC
- Gold plated terminals
- Flange 190mm
- Cut-out 145mm
- Depth 76mm

Znom	8 ohm	Sd	13.9 cm <sup>2</sup>
Re	6.2 ohm	BL	8.24 N/A
Le@1kHz	.73 mH	Vas	5.5 ltrs
fs	117 Hz	Xmax	0.5 mm peak
Qms	3.16	VC Ø	40 mm
Qes	0.61	Sensitivity	
Qts	0.51	1W / 1m	100 dB
Mms	9.17 g	Nom. Power DIN	100 W
Cms	- mm/N	Net weight	2.5 kg

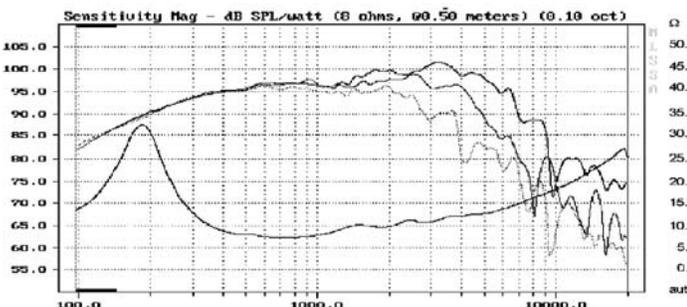


## PR170Z0



- 6.5" Aerogel Cone Pro Woofer
- Diecast basket
- Rubber surround
- Kapton VC former
- Edgewound 40mm VC
- Gold plated terminals
- Flange 190mm
- Cut-out 145mm
- Depth 76mm

Znom	8 ohm	Sd	14 cm <sup>2</sup>
Re	6.2 ohm	BL	N/A
Le@1kHz	.73 mH	Vas	3.3 ltrs
fs	185 Hz	Xmax	.5 mm peak
Qms	2.19	VC Ø	40 mm
Qes	0.49	Sensitivity	
Qts	0.40	1W / 1m	99 dB
Mms	6.2 g	Nom. Power DIN	100 W
Cms	- mm/N	Net weight	2.5 kg

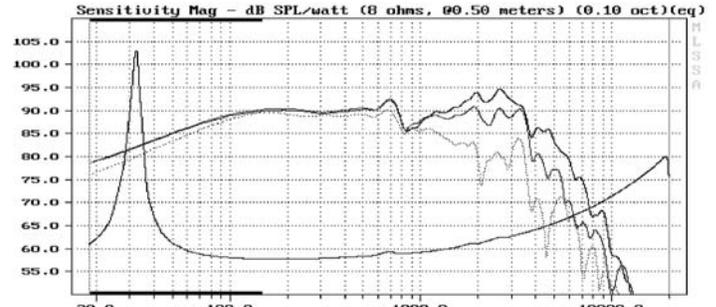


## PR240Z0



- 10" Aerogel Cone Pro Woofer
- Diecast basket
- Treated foam surround
- Kapton VC former
- Edgewound 48mm VC
- Gold plated terminals
- Flange 279mm
- Cut-out 227mm
- Depth 110mm

Znom	8 ohm	Sd	cm <sup>2</sup>
Re	6.5 ohm	BL	12 N/A
Le@1kHz	1.11 mH	Vas	82 ltrs
fs	35 Hz	Xmax	4 mm peak
Qms	11.37	VC Ø	48 mm
Qes	0.39	Sensitivity	
Qts	0.38	1W / 1m	90 dB
Mms	45 g	Nom. Power DIN	100 W
Cms	- mm/N	Net weight	3.6 kg

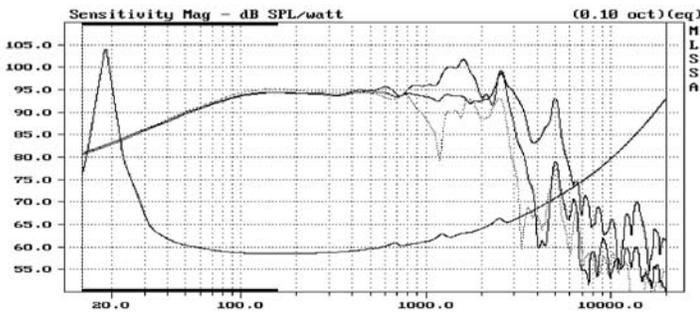


## PR380M2



- 15" Paper Cone Pro Woofer
- Diecast basket
- Treated foam surround
- Kapton VC former
- Edgewound 100mm VC
- Gold plated terminals
- Flange 386.5mm
- Cut-out 336.5mm
- Depth 110mm

Znom	8 ohm	Sd	cm <sup>2</sup>
Re	5.8 ohm	BL	25.8 N/A
Le@1kHz	.75 mH	Vas	376 ltrs
fs	23.8 Hz	Xmax	5.5 mm peak
Qms	1.39	VC Ø	100 mm
Qes	0.17	Sensitivity	
Qts	0.15	1W / 1m	100 dB
Mms	136 g	Nom. Power DIN	350 W
Cms	mm/N	Net weight	10 kg

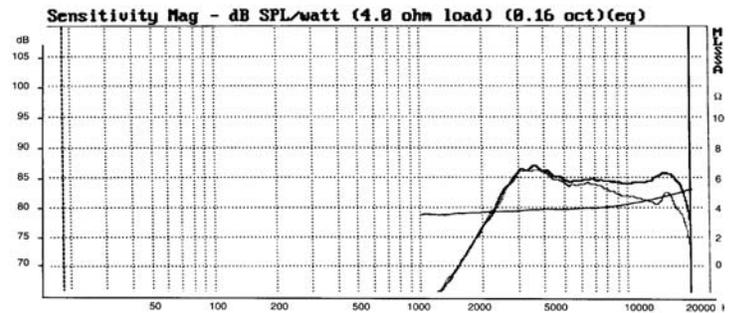


## TM010A1



- 10mm Polymer Dome Micro Tweeter
- Neodymium magnet
- Ultra light and compact
- Ferrofluid cooled
- Formerless VC
- Surface or flush mount
- Flange 29.5mm
- Cut-out 27.8mm
- Depth 14mm

Znom	4 ohm	Sd	cm <sup>2</sup>
Re	3.4 ohm	BL	1 N/A
Le@1kHz	mH	Vas	ltrs
fs	3000 Hz	Xmax	.25 mm peak
Qms	-	VC Ø	10 mm
Qes	-	Sensitivity	
Qts	-	1W / 1m	85 dB
Mms	0.13 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	0.01 kg

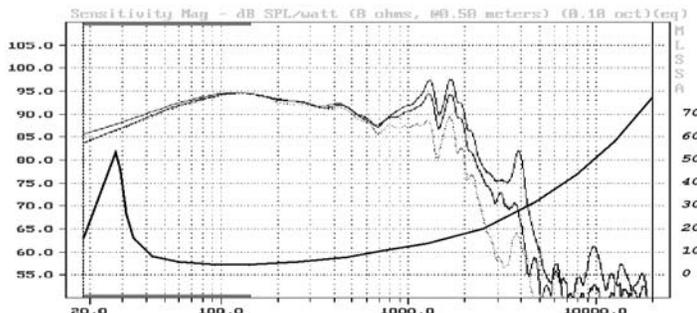


## HT300Z2



- 12" High Definition Aerogel Cone Woofer
- Stamped steel frame
- High efficiency
- High power handling
- Long excursion
- Suitable for A/V
- Flange 305mm
- Cut-out 280mm
- Depth 146mm

Znom	4 ohm	Sd	cm <sup>2</sup>
Re	3.23 ohm	BL	10.79 N/A
Le@1kHz	1.13 mH	Vas	162 ltrs
fs	32 Hz	Xmax	8 mm peak
Qms	9.16	VC Ø	45 mm
Qes	.35	Sensitivity	
Qts	.34	1W / 1m	93.4 dB
Mms	64.2 g	Nom. Power DIN	120 W
Cms	mm/N	Net weight	4.3 kg

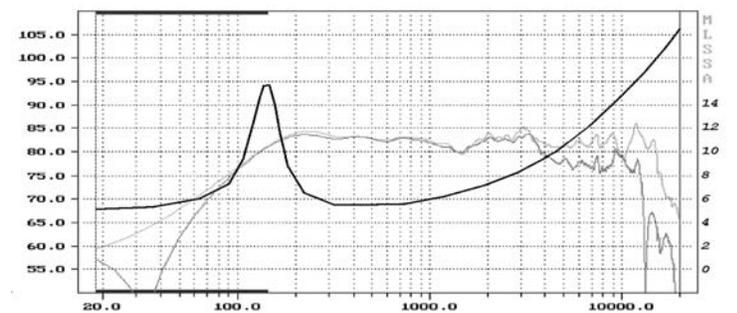


## AP080G0



- 3" Shielded Coated Paper Cone Full Range
- Non-resonant polymer chassis
- Rubber surround
- Suitable for A/V
- Built in mounting ring
- Flange 92mm
- Cut-out 72.5mm
- Depth 53.5mm

Znom	6 ohm	Sd	cm <sup>2</sup>
Re	4.93 ohm	BL	2.85 N/A
Le@1kHz	.27 mH	Vas	0.61 ltrs
fs	142 Hz	Xmax	1.6 mm peak
Qms	2.96	VC Ø	20 mm
Qes	1.44	Sensitivity	
Qts	0.97	1W / 1m	82.6 dB
Mms	2.67 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	0.30 kg

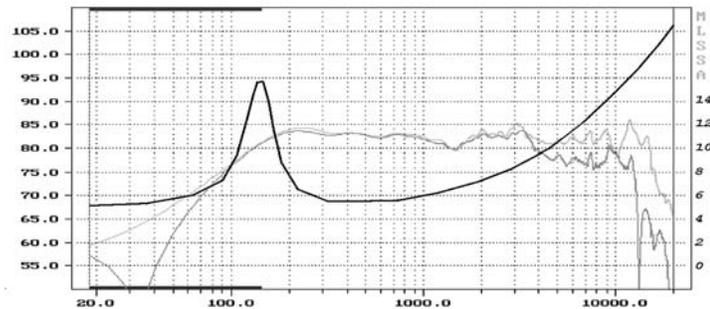


## HP080G0



- 3" Coated Paper Cone Full Range
- Non-resonant polymer chassis
- Rubber surround
- Aluminum VC former
- Built in mounting ring
- Flange 92mm
- Cut-out 72.5mm
- Depth 45mm

Znom	6 ohm	Sd	cm <sup>2</sup>
Re	4.84 ohm	BL	3.69 N/A
Le@1kHz	0.40 mH	Vas	0.93 ltrs
fs	118 Hz	Xmax	1.6 mm peak
Qms	2.21	VC Ø	20 mm
Qes	0.67	Sensitivity	
Qts	0.51	1W / 1m	85.4 dB
Mms	2.52 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	.30 kg

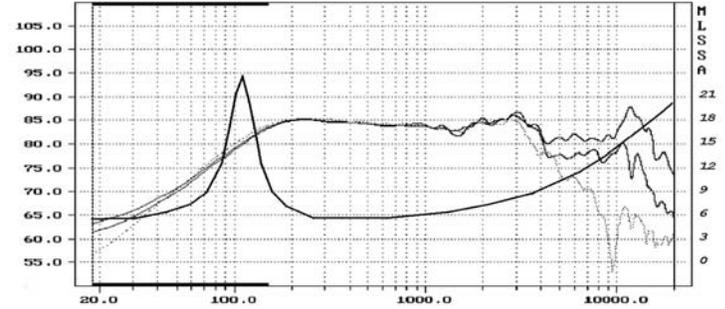


## AP080M4



- 3" **Shielded** Paper Cone Full Range
- Foam surround
- Non-resonant polymer chassis
- Aluminum VC former
- Built in mounting ring
- Flange 92mm
- Cut-out 72.5mm
- Depth 53.5mm

Znom	6 ohm	Sd	cm <sup>2</sup>
Re	4.74 ohm	BL	2.74 N/A
Le@1kHz	.24 mH	Vas	.87 ltrs
fs	123.6 Hz	Xmax	1.6 mm peak
Qms	3.59	VC Ø	20 mm
Qes	1.21	Sensitivity	
Qts	0.91	1W / 1m	83.2 dB
Mms	2.44 g	Nom. Power DIN	25 W
Cms	.91 mm/N	Net weight	.30 kg

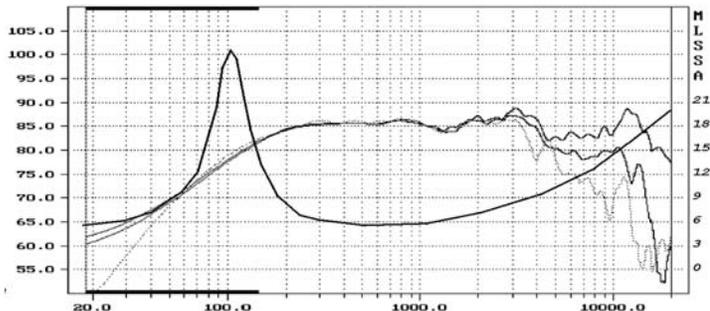


## HP080M0



- 3" Paper Cone Full Range
- Foam surround
- Non-resonant polymer chassis
- Aluminum VC former
- Built in mounting ring
- Flange 92mm
- Cut-out 72.5mm
- Depth 45mm

Znom	6 ohm	Sd	cm <sup>2</sup>
Re	4.91 ohm	BL	3.77 N/A
Le@1kHz	.40 mH	Vas	.93 ltrs
fs	120 Hz	Xmax	1.6 mm peak
Qms	2.84	VC Ø	20 mm
Qes	0.63	Sensitivity	
Qts	0.51	1W / 1m	85.4 dB
Mms	2.52 g	Nom. Power DIN	25 W
Cms	mm/N	Net weight	.30 kg

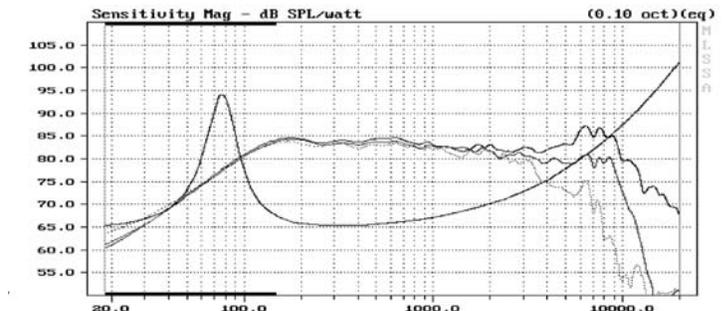


## AP100G0



- 4" **Shielded** Coated Paper Cone Full Range
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Suitable for A/V use
- Flange 117mm
- Cut-out 90mm
- Depth 49mm

Znom	6 ohm	Sd	50.27 cm <sup>2</sup>
Re	5.7 ohm	BL	3.92 N/A
Le@1kHz	.49 mH	Vas	3.37 ltrs
fs	76 Hz	Xmax	2.7 mm peak
Qms	2.53	VC Ø	25 mm
Qes	0.78	Sensitivity	
Qts	0.60	1W / 1m	84.5 dB
Mms	4.66 g	Nom. Power DIN	30 W
Cms	0.95 mm/N	Net weight	.50 kg

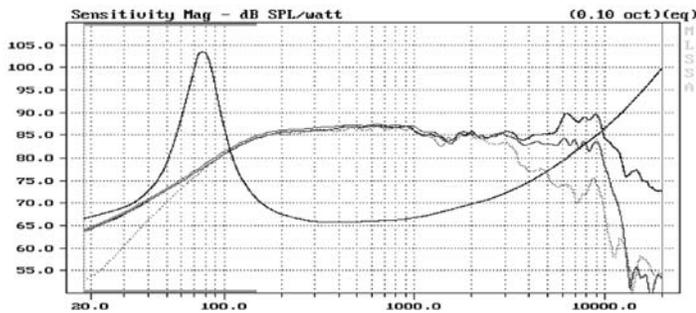


## HP100G0



- 4" Coated Paper Cone Full Range
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- High temperature VC
- Flange 117mm
- Cut-out 90mm
- Depth 49mm

Znom	6 ohm	Sd	50.27 cm <sup>2</sup>
Re	5.7 ohm	BL	5.07 N/A
Le@1kHz	.57 mH	Vas	4.33 ltrs
fs	68 Hz	Xmax	2.7 mm peak
Qms	1.81	VC Ø	25 mm
Qes	0.41	Sensitivity	
Qts	0.34	1W / 1m	87 dB
Mms	4.48 g	Nom. Power DIN	30 W
Cms	1.22 mm/N	Net weight	.62 kg

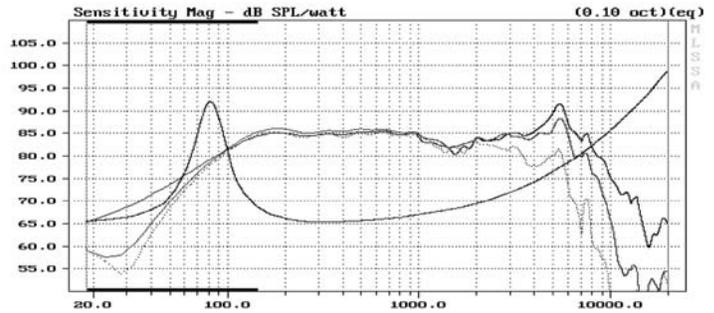


## AP100Z0



- 4" **Shielded** Aerogel Cone Bass Midrange
- Suitable for A/V
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Flange 117mm
- Cut-out 90mm
- Depth 49mm

Znom	6 ohm	Sd	50.27 cm <sup>2</sup>
Re	5.3 ohm	BL	5.76 N/A
Le@1kHz	.74 mH	Vas	24.65 ltrs
fs	48.5 Hz	Xmax	3 mm peak
Qms	1.61	VC Ø	30 mm
Qes	0.50	Sensitivity	
Qts	0.38	1W / 1m	89.3 dB
Mms	10.82 g	Nom. Power DIN	60 W
Cms	1.32 mm/N	Net weight	1.4 kg

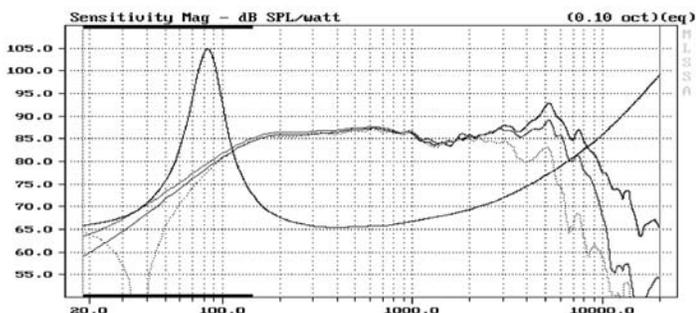


## HP100Z0



- 4" Aerogel Cone Bass Midrange
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Aluminum VC former
- Flange 117mm
- Cut-out 90mm
- Depth 49mm

Znom	6 ohm	Sd	cm <sup>2</sup>
Re	5.7 ohm	BL	4.98 N/A
Le@1kHz	.49 mH	Vas	4.03 ltrs
fs	68.1 Hz	Xmax	2.7 mm peak
Qms	2.02	VC Ø	25 mm
Qes	.45	Sensitivity	
Qts	.37	1W / 1m	86.3 dB
Mms	4.81 g	Nom. Power DIN	30 W
Cms	1.13 mm/N	Net weight	.62 kg

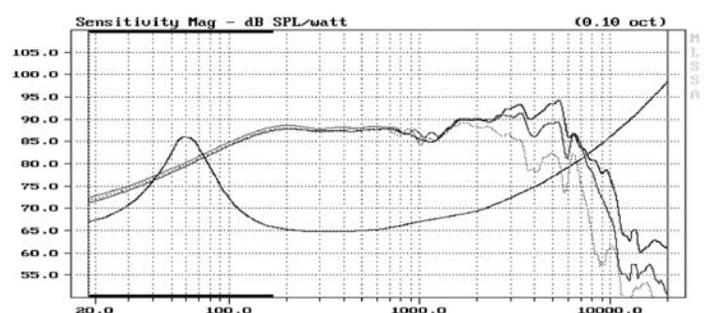


## AP130Z0



- 5.25" **Shielded** Aerogel Cone Bass Midrange
- Suitable for A/V
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Flange 143mm
- Cut-out 112mm
- Depth 66.5mm

Znom	6 ohm	Sd	cm <sup>2</sup>
Re	5.7 ohm	BL	4.72 N/A
Le@1kHz	.4 mH	Vas	10.85 ltrs
fs	57.6 Hz	Xmax	0.35 mm peak
Qms	1.48	VC Ø	25 mm
Qes	.57	Sensitivity	
Qts	.41	1W / 1m	87.4 dB
Mms	6.86 g	Nom. Power DIN	40 W
Cms	1.11 mm/N	Net weight	.9 kg



## HP130Z0



- 5.25" Aerogel Cone Bass Midrange
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Aluminum VC former
- Flange 143mm
- Cut-out 112mm
- Depth 54mm

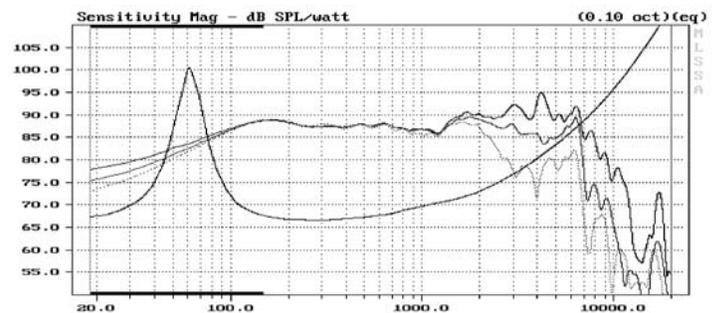
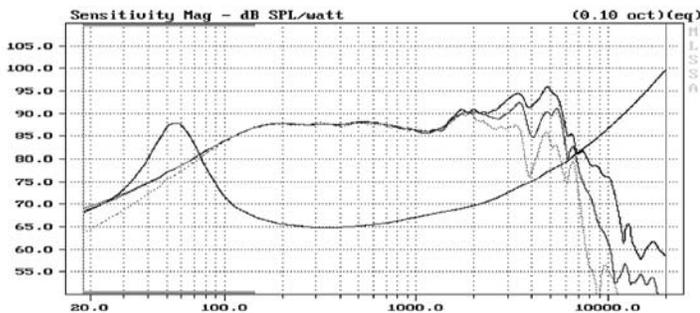
Znom	6 ohm	Sd	83.32 cm <sup>2</sup>
Re	5.2 ohm	BL	5.02 N/A
Le@1kHz	.43 mH	Vas	11.25 ltrs
fs	56.1 Hz	Xmax	3 mm peak
Qms	1.46	VC Ø	25 mm
Qes	0.51	Sensitivity	
Qts	0.38	1W / 1m	87.7 dB
Mms	6.99 g	Nom. Power DIN	40 W
Cms	1.15 mm/N	Net weight.	.65 kg

## HP170M0



- 6.5" Paper Cone Woofer
- Foam surround
- Non-resonant polymer chassis
- High temperature VC
- Aluminum VC former
- Built in mounting ring
- Flange 173mm
- Cut-out 144mm
- Depth 61mm

Znom	8 ohm	Sd	132 cm <sup>2</sup>
Re	6.2 ohm	BL	5.27 N/A
Le@1kHz	.57 mH	Vas	16.34 ltrs
fs	62.3 Hz	Xmax	4.0 mm peak
Qms	3.12	VC Ø	25 mm
Qes	0.9	Sensitivity	
Qts	0.7	1W / 1m	88.3 dB
Mms	9.89 g	Nom. Power DIN	45 W
Cms	0.66 mm/N	Net weight	.65 kg



## AP170Z0



- 6.5" Shielded Aerogel Cone Woofer
- Suitable for A/V
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Flange 173mm
- Cut-out 144mm
- Depth 79.5mm

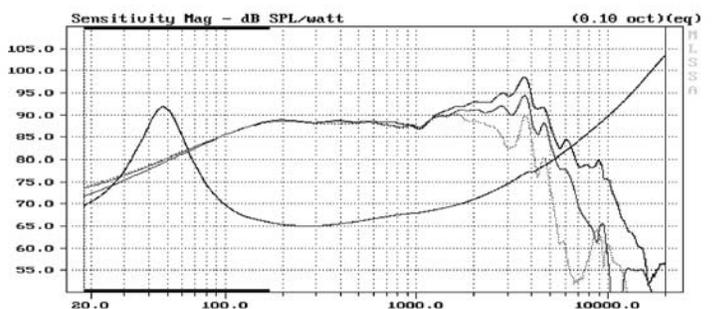
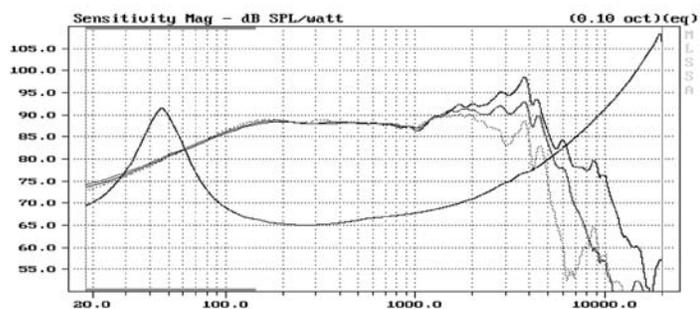
Znom	6 ohm	Sd	132.7 cm <sup>2</sup>
Re	5.3 ohm	BL	5.76 N/A
Le@1kHz	.74 mH	Vas	24.65 ltrs
fs	48.5 Hz	Xmax	3 mm peak
Qms	1.61	VC Ø	30 mm
Qes	0.5	Sensitivity	
Qts	0.38	1W / 1m	89.3 dB
Mms	10.82 g	Nom. Power DIN	60 W
Cms	9.9 mm/N	Net weight	1.4 kg

## HP170Z2



- 6.5" Aerogel Cone Woofer
- Non-resonant polymer chassis
- Rubber surround
- Built in mounting ring
- Aluminum VC former
- Flange 173mm
- Cut-out 144mm
- Depth 67mm

Znom	8 ohm	Sd	cm <sup>2</sup>
Re	5.3 ohm	BL	5.98 N/A
Le@1kHz	0.74 mH	Vas	25 ltrs
fs	48 Hz	Xmax	3.5 mm peak
Qms	1.63	VC Ø	30 mm
Qes	0.48	Sensitivity	
Qts	0.37	1W / 1m	89.4 dB
Mms	10.85 g	Nom. Power DIN	60 W
Cms	1.0 mm/N	Net weight	1 kg





# 26NA & 26NAFM

1" neodymium magnet tweeters

Compact high efficiency dome tweeters with smooth and extended frequency response. Variable mounting to fit your applications. Ferrofluid cooled for higher power handling.

Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	$\Omega$
DC Resistance	$R_{dc}$	6.8	$\Omega$
Resonant Frequency	$f_r$	1850	Hz
Rated Power		80	W
SPL 1W/1m		92	db
Total Moving Mass	$M_{MS}$	0.22	g
Effective Piston Area	$S_D$	6.8	cm <sup>2</sup>
Voice Coil Diameter		25	mm
Voice Coil Former		Nomex	
Voice Coil Length		1.5	mm
Voice Coil Layers		2	
Flux Density	B	1.35	Tesla
Force Factor	$B_L$	2.4	Tm
Gap Height		2	mm
Magnet Diameter		32	mm
Magnet Height		8	mm
Magnet Weight		0.05	kg
Mass of Speaker		0.07	kg

**Price each:  
\$28.00**

Aluminum dome  
92 dB efficiency

### 26NA

Flange diameter 48 mm  
Cutout hole  $\varnothing$  46 mm  
Depth 10 mm

### 26NAFM

Flange diameter 67 mm  
Cutout hole  $\varnothing$  48 mm  
Depth 10 mm



Standard

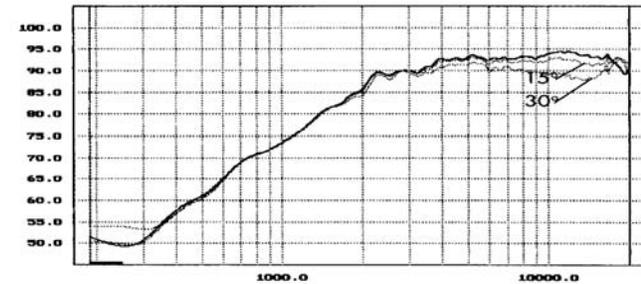


Flush Mount

Unless specified otherwise, tweeter will be sent as standard.

Flush mounting; same price as std. (FM)

Wedge mounting; \$3.00 (WM)



Hinged Wedge Mount



Wedge Mount



# 50FA

2" dome midrange  
**Price \$46.00**

50 mm textile soft dome midrange with extremely smooth response and wide dispersion.

specially doped textile soft dome  
black aluminum front plate



Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	$\Omega$
DC Resistance	$R_{dc}$	5.7	$\Omega$
Resonant Frequency	$f_r$	390	Hz
Rated Power		100	W
SPL 1W/1m		90	db
Total Moving Mass	$M_{MS}$	1.76	g
Effective Piston Area	$S_D$	26	cm <sup>2</sup>
Voice Coil Diameter		50	mm
Voice Coil Former		Aluminum	
Voice Coil Length		4.3	mm
Voice Coil Layers		1	
Flux Density	B	1.3	Tesla
Force Factor	$B_L$	3.7	Tm
Gap Height		3	mm
Magnet Diameter		102	mm
Magnet Height		17	mm
Magnet Weight		0.47	kg
Mass of Speaker		1.2	kg
Flange diameter		140	mm
Cutout hole diameter		105	mm
Depth		27	mm



# 25RFK

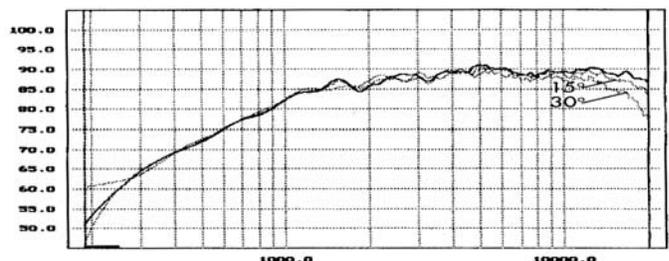
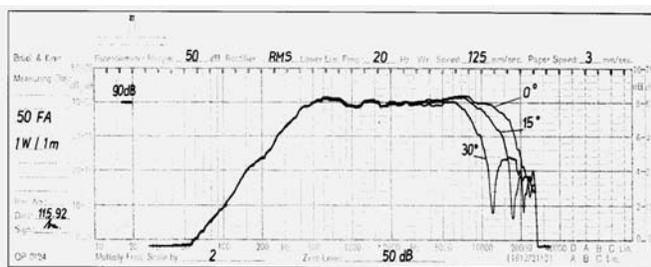
1" dome tweeter  
**Price \$16.00**

25 mm textile dome tweeter with very smooth response, even above 20KHz.

textile dome  
black polyimid front plate  
ferrofluid cooled  
replaceable voice coil



Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	$\Omega$
DC Resistance	$R_{dc}$	6.4	$\Omega$
Resonant Frequency	$f_r$	1200	Hz
Rated Power		90	W
SPL 1W/1m		89	db
Total Moving Mass	$M_{MS}$	0.22	g
Effective Piston Area	$S_D$	6.8	cm <sup>2</sup>
Voice Coil Diameter		25	mm
Voice Coil Former		Aluminum	
Voice Coil Length		1.5	mm
Voice Coil Layers		2	
Flux Density	B	1.2	Tesla
Force Factor	$B_L$	2.15	Tm
Gap Height		2.5	mm
Magnet Diameter		60	mm
Magnet Height		10	mm
Magnet Weight		0.1	kg
Mass of Speaker		0.27	kg
Flange diameter		96	mm
Cutout hole diameter		70	mm
Depth		17	mm





# 25FA

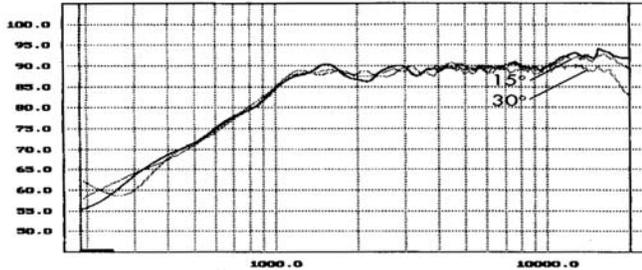
1" dome tweeter  
Price \$28.00

25 mm soft dome tweeter with extraordinarily wide frequency response and excellent sound quality

pre-coated textile dome  
black aluminum front plate  
magnetic fluid  
grill frame available



Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	
DC Resistance	$R_{dc}$	6.8	
Resonant Frequency	$f_r$	1100	Hz
Rated Power		100	W
SPL 1W/1m		90	db
Total Moving Mass	$M_{MS}$	0.22	g
Effective Piston Area	$S_D$	6.8	cm <sup>2</sup>
Voice Coil Diameter		25	mm
Voice Coil Former	Aluminum		
Voice Coil Length		1.5	mm
Voice Coil Layers		2	
Flux Density	B	1.6	Tesla
Force Factor	$B_l$	3.0	Tm
Gap Height		3	mm
Magnet Diameter		72	mm
Magnet Height		15	mm
Magnet Weight		0.25	kg
Mass of Speaker		0.5	kg
Flange diameter		110	mm
Cutout hole diameter		74	mm
Depth		23	mm



# 26T

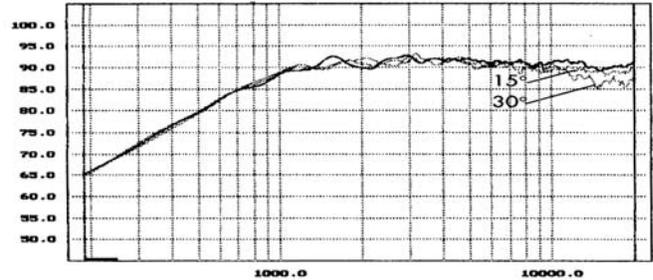
1" dome tweeter  
Price \$39.00

25 mm titanium dome tweeter with high efficiency and wide frequency response

titanium dome  
black aluminum front plate  
double magnet  
vented polepiece  
grill frame



Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	
DC Resistance	$R_{dc}$	6.8	
Resonant Frequency	$f_r$	730	Hz
Rated Power		100	W
SPL 1W/1m		90	db
Total Moving Mass	$M_{MS}$	0.28	g
Effective Piston Area	$S_D$	6.8	cm <sup>2</sup>
Voice Coil Diameter		25	mm
Voice Coil Former	Aluminum		
Voice Coil Length		1.5	mm
Voice Coil Layers		2	
Flux Density	B	1.8	Tesla
Force Factor	$B_l$	3.2	Tm
Gap Height		1.5	mm
Magnet Diameter		72	mm
Magnet Height		2 x 15	mm
Magnet Weight		2 x .25	kg
Mass of Speaker		0.75	kg
Flange diameter		110	mm
Cutout hole diameter		74	mm
Depth		41	mm



# 38T

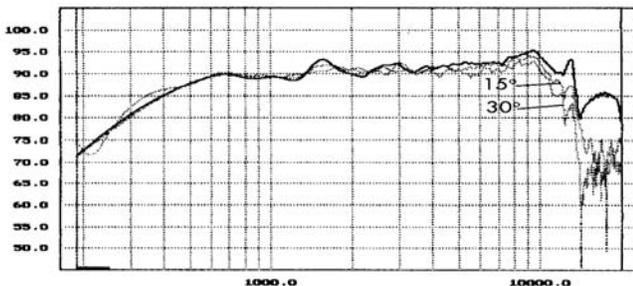
1 1/2" midrange dome  
\*\*\* Discontinued\*\*\*

37 mm titanium dome with smooth and extended frequency response and sound reproduction without any coloration

titanium dome, rubber surround  
black aluminum front plate  
rear chamber



Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	$\Omega$
DC Resistance	$R_{dc}$	5.7	$\Omega$
Resonant Frequency	$f_r$	490	Hz
Rated Power		70	W
SPL 1W/1m		91	db
Total Moving Mass	$M_{MS}$	0.78	g
Effective Piston Area	$S_D$	15	cm <sup>2</sup>
Voice Coil Diameter		37	mm
Voice Coil Former	Aluminum		
Voice Coil Length		38	mm
Voice Coil Layers		1	
Flux Density	B	1.5	Tesla
Force Factor	$B_l$	3.3	Tm
Gap Height		3	mm
Magnet Diameter		84	mm
Magnet Height		18	mm
Magnet Weight		0.38	kg
Mass of Speaker		0.8	kg
Flange diameter		124	mm
Cutout hole diameter		86	mm
Depth		46	mm

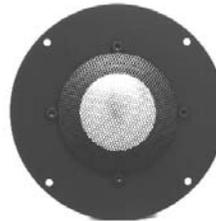


# 51AT

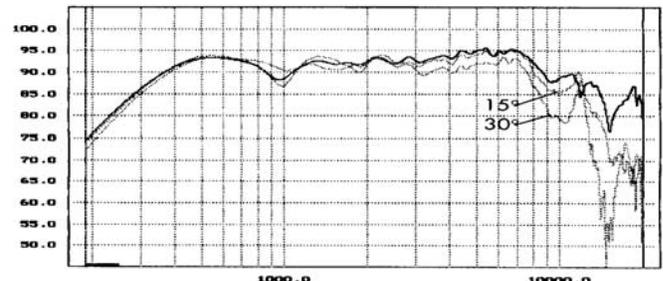
2" midrange dome  
Price \$59.00

50 mm metal midrange dome with high efficiency and extraordinarily wide frequency response

aluminum dome  
rubber surround  
black aluminum front plate  
rear chamber  
vented pole piece  
grill frame



Technical Data	Symbol	Value	Unit
Nominal Impedance	$Z_n$	8	$\Omega$
DC Resistance	$R_{dc}$	5.7	$\Omega$
Resonant Frequency	$f_r$	480	Hz
Rated Power		100	W
SPL 1W/1m		93	db
Total Moving Mass	$M_{MS}$	1.27	g
Effective Piston Area	$S_D$	26	cm <sup>2</sup>
Voice Coil Diameter		50	mm
Voice Coil Former	Aluminum		
Voice Coil Length		4.3	mm
Voice Coil Layers		1	
Flux Density	B	1.3	Tesla
Force Factor	$B_l$	3.7	Tm
Gap Height		3	mm
Magnet Diameter		102	mm
Magnet Height		17	mm
Magnet Weight		0.47	kg
Mass of Speaker		1.2	kg
Flange diameter		140	mm
Cutout hole diameter		105	mm
Depth		46	mm



# Professional Audio by P.Audio & Eminence

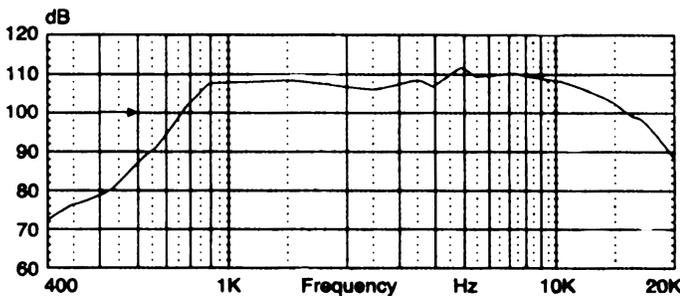


**P.AUDIO®**

**Horn Tweeter  
PHT-404  
\$36.00 each**

**4" x 10" High Frequency Compression Driver  
Cast Aluminum Horn, Phenolic Resin Diaphragm**

Usable Frequency Range : 3000 - 15000 Hz  
Power Rating : 20 Watts  
Average Sensitivity (1w/1m) : 105 dB  
Impedance : 8 ohm  
Nominal Coverage Angle : (HxV) -5dB 100° x 80°  
Width 10.1", Height 4.3", Depth 7.9", Flange thickness 0.1"

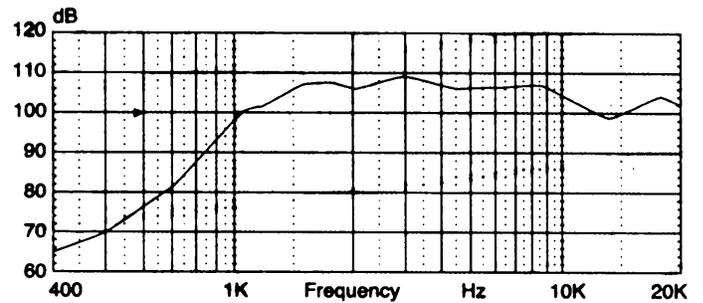


**P.AUDIO®**

**Horn Tweeter  
PHT-408  
\$34.00 each**

**6" x 8" High Frequency Compression Driver  
ABS Plastic Horn, Phenolic Resin Diaphragm**

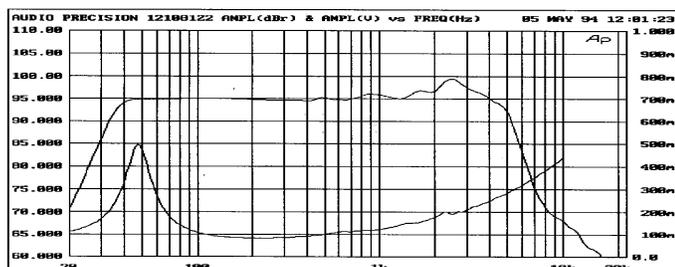
Usable Frequency Range : 2000 - 15000 Hz  
Power Rating : 30 Watts  
Average Sensitivity (1w/1m) : 105 dB  
Impedance : 8 ohm  
Nominal Coverage Angle : (HxV) -5dB 90° x 40°  
Width 7.6", Height 6.1", Depth 5.2", Flange thickness 0.2"



**Eminence 12"  
121895  
\$55.00 each**

**12" Paper Cone Woofer, Accordion Surround, Stamped Frame**

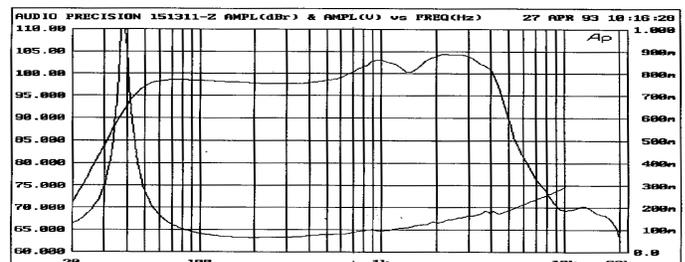
Fs	46.5 Hz	Qes	0.47
Impedance	8 ohm	Qts	0.41
Efficiency	95 dB	Vas	116 ltrs
Power	150 W	BL	12.6
X-max	2.5 mm	Overall diameter	12"
Voice coil Ø	2"	Cut-out diameter	11"
Magnet weight	38 oz	Depth	4 13/16"
Re	7.1 ohm	2 ft <sup>3</sup> sealed box has F3 of 80Hz	
Mms	35.8 gr	3 ft <sup>3</sup> vented box with 4" vent by	
Qms	3.55	3.5" long has F3 of 50Hz	



**Eminence 15"  
151311  
\$79.00 each**

**15" Paper Cone Woofer, Accordion Surround, Cast Frame**

Fs	38.2 Hz	Qes	0.32
Impedance	8 ohm	Qts	0.31
Efficiency	99 dB	Vas	299 ltrs
Power	300 W	BL	14.9
X-max	5.5 mm	Overall diameter	15 3/8"
Voice coil Ø	2.5"	Cut-out diameter	14"
Magnet weight	80 oz	Depth	5 3/8"
Re	5.0 ohm	4.5 ft <sup>3</sup> vented box has F3 of 50Hz	
Mms	60.1 gr	with slotted port of 15" wide by 3"	
Qms	7.73	tall by 6" deep	





**Click on the plus sign within the box to the left in order to expand this bookmark.**