

Model	Size Description	Ω	Fs Hz	Qts	Vas Liters	X-max mm P	VC \emptyset mm	Power Watts	dB 1W/1m	Cost Each
Exotic										
T35 X3-06	1.5" textile dome tweeter, alnico magnet, underhung VC	6	600			0.5	35	100	94	\$426.00
W8 X2-08	8" woofer, wooden phase plug, alnico magnet	8	36	.24	78	3	39	100	94	\$765.00
F8 X1-04	8" full range, alnico magnet, open weave spider	4	31	.39	146	2.1	26	35	96	\$830.00
F8 X1-08	8" full range, alnico magnet, open weave spider	8	32	.44	143	2.1	26	35	93	\$830.00
EXCEL Premium Tweeters					Voice Coils					
T25CF 002 (E0011)	Millennium tweeter, 25mm Sonotex, Hexadym magnet	6	500	H9929 \$38.90			26	90	89	\$232.10
T25C 001 (E0006)	Seas Excel tweeter, Last call, discontinued	6	700	H9920 \$36.50			26	90	91	\$107.15
T29CF 002 (E0040)	Crescendo tweeter, 29mm Sonotex, Hexadym magnet	6	500	H9939 \$32.75			26	90	92.5	\$335.70
T29MF 001 (E0047)	Magnum 29mm Magnesium dome, Neo magnet	4	500				26	90	92	\$250.30
EXCEL Premium Magnesium Cone Woofers with Copper Phase Plugs (E0026 has Alum./Mag.Alloy cone)										
W12CY 001 (E0021)	4.5" magnesium cone woofer with copper phase plug	8	45	.36	6	3	26	70	84	\$180.80
W15CH 001 (E0037)	5.5" magnesium cone woofer, copper phase plug, Neo	8	38	.42	14	4	26	70	85	\$226.30
W15CY 001 (E0015)	5.5" magnesium cone woofer with copper phase plug	8	38	.36	14	4	26	70	85.5	\$168.10
W16NX 001 E0049-04	6" magnesium cone woofer with copper phase plug	4	37	.33	15	7	39	80	88	\$233.25
W16NX 001 E0049-08	6" magnesium cone woofer with copper phase plug	8	39	.35	14	7	39	80	85	\$227.15
W18E 001 (E0018)	7" magnesium cone woofer with copper phase plug	8	34	.42	30	5	39	100	86	\$203.70
W18E 001/TV (E0027)	Magnetically shielded version of W18E-001	8	29	.29	56	5	39	100	87.5	\$210.80
W18EX 001 (E0017)	Larger magnet version of W18E-001	8	34	.26	30	5	39	100	88	\$206.75
W22EX 001 (E0022)	8" magnesium cone woofer with copper phase plug	8	25	.34	98	5	39	120	88	\$240.65
W26FX 001 (E0026)	10" aluminum alloy cone with copper phase plug	8	20	.35	162	7	51	150	87	\$353.70
EXCEL Premium Nextel Cone Midrange & Woofers with Phase Plugs										
M15CH 002 (E0043)	5" Nextel cone midrange, Neodymium magnet	6	67	.40	6	3	26	70	88.5	\$201.40
W12CY 003 (E0044)	4.5" Nextel coated paper, phase plug, wide range	8	60	.36	4	3	26	70	85.5	\$166.00
W15LY 001 (E0041)	5.5" Nextel coated paper cone woofer, phase plug	8	49	.45	12	5	26	60	86.5	\$156.55
W18NX 001 (E0042)	7" Nextel coated paper cone woofer, phase plug	8	40	.34	24	7	39	80	87.5	\$203.50
W22NY 001 (E0045)	8" Nextel coated paper cone woofer, phase plug	8	33	.30	72	7	39	90	90	\$248.60
W26FX 002 (E0046)	10" Nextel coated paper cone woofer, phase plug	8	31	.39	87	7	51	100	89	\$340.05
Prestige Line Tweeters										
22TAF/G (H1283)	22mm aluminum/magnesium alloy dome tweeter, grill	6	1100	H9940 \$21.70			19.5	80	92	\$35.85
22TFF (H1280)	22mm textile ring dome tweeter	6	1050				19.5	90	91	\$34.45
27TAFNC/G (H1397)	27mm aluminum dome, neodymium magnet, grill	4	1170	Not Repairable			26	90	90	\$33.35
27TFFNC/G (H1396)	27mm textile dome, neodymium magnet, grill	4	1170	Not Repairable			26	80	91	\$33.35
27TFFNC/GW H1461	27mm titanium dome, neodymium magnet, grill	6	750				26	100	91.5	\$93.50
27TDFNC/GW H1462	27mm textile dome, neodymium magnet, grill	6	750				26	90	90.5	\$96.55
27TBCD/GB-DXT H1499	27mm alum./mag alloy dome with DXT lens	6	900				26	55	92	\$54.75
27TBC/G (H1147)	27mm alum./Magnesium dome tweeter, Chmb, no FF	6	600	H9932 \$18.45			26	55	92	\$44.80
27TBFC/G (H1212)	27mm alum./Magnesium dome tweeter, Chmb, w/ FF	6	550	H9932 \$18.45			26	90	91.5	\$45.35
27TDF (H1211)	27mm coated textile dome tweeter, w/ FF	6	900	H9933 \$15.85			26	90	91	\$34.45
27TDC (H1149)	27mm textile dome tweeter, chambered, non-FF	6	550	H9933 \$15.85			26	55	90	\$41.90
27TDFC (H1189)	27mm textile dome tweeter, chambered, w/ FF	6	550	H9933 \$15.85			26	90	90	\$42.40
27TFFC (H0881)	27mm coated textile dome tweeter w/chamber	6	550	H9918 \$15.85			26	80	91	\$40.65
29TAF/W (H1322)	29mm Aluminum/Magnesium alloy dome, w/ elastomer	6	950	H9941 \$25.85			26	100	91.5	\$51.00
29TFF/W (H1318)	29mm fabric dome, with elastomer wave guide front	6	950	H9942 \$22.25			26	90	92	\$46.10
Prestige Line Midranges and Woofers										
MCA12RC (H1304)	4.5" coated paper cone midrange, natural rubber surr.	8	68	.56	5	0.9	26	110	86	\$60.65
MCA15RCY (H1262)	5" coated paper cone midrange, natural rubber surr.	8	51	.25	12	1.7	26	100	89.5	\$70.90
CA12RCY (H1152)	4.5" coated paper cone woofer, raised spider	8	57	.31	5	3	26	60	86	\$66.40
L12RCY/P (H1207)	4.5" Aluminum cone woofer with phase plug	8	50	.29	5	3	26	70	85.5	\$72.60
CA15RLY (H1216)	5" coated paper cone mid/woofer	8	44	.34	14	5	26	60	87.5	\$69.00
ER15RLY (H1455)	5" Reed/Paper pulp cone mid/woofer	8	44	.32	15	5	26	60	87.5	\$72.45
L15RLY/P (H1141)	5" aluminum cone woofer, phase plug, raised spider	8	44	.35	12	5	26	80	86	\$78.25
L16RNX-04 (H1488-4)	6" aluminum cone woofer, copper rings, long stroke	4	37	.33	16	6	39	80	88	\$93.25

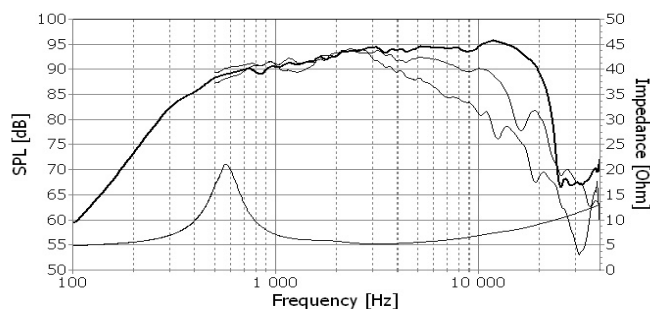
Model	Size Description	Ω	Fs Hz	Qts	Vas Liters	X-max mm P	VC \varnothing mm	Power Watts	dB 1W/1m	Cost Each
L16RNX-08 (H1488-8)	6" aluminum cone woofer, copper rings, long stroke	4	39	.36	16	6	39	80	85	\$93.25
L16RN-SL (H1480)	6" aluminum cone woofer, copper rings, long stroke	8	36	.46	19	6	39	80	84	\$90.55
U16RCY/P (H1520)	6" woven polypropylene cone woofer, phase plug	8	36	.32	25	4	26	60	87	\$81.45
CA18RLY (H1217)	6.5" coated paper cone woofer for sealed boxes	8	43	.40	37	5	26	80	90	\$71.55
CA18RNX (H1215)	7" coated paper cone woofer, raised spider	8	36	.31	33	6	39	80	88.5	\$78.80
ER18RNX (H1456)	7" Reed/Paper pulp cone woofer, raised spider	8	37	.32	32	6	39	80	88.5	\$81.40
L18RNX/P (H1224)	7" aluminum cone woofer, phase plug, raised spider	8	36	.31	30	6	39	100	88	\$90.65
P18RNX/P (H1350)	7" Polypropylene cone woofer, phase plug, raised spider	8	43	.33	25	6	39	80	89	\$81.80
U18RNX/P (H1571)	7" woven polypropylene cone woofer, phase plug	8	43	.37	22	6	39	80	88	\$89.55
CA22RNX (H1288)	8" coated paper cone woofer, bumped back plate	8	29	.41	97	6	39	80	89.5	\$92.10
L22RN4X/P (H1208)	8" alum. cone woofer, raised spider, bumped, 4 layer	8	21	.27	93	7	39	125	86.5	\$100.45
L22RNX/P (H1252)	8" aluminum cone woofer, raised spider, bumped BP	8	23	.32	112	6	39	110	88	\$96.45
CA26RFX (H1305)	10" coated paper cone, raised spider, bumped back	8	29	.34	129	7	51	100	90.5	\$157.85
CA26RE4X (H1316)	10" coated paper cone, raised spider, 4 layer voice coil	8	25	.28	164	4	39	80	91	\$124.30
L26RFX/P (H1209)	10" Aluminum cone woofer, raised spider, Bumped BB	8	20	.33	171	7	51	125	88	\$173.30
L26ROY (D1001)	10" Aluminum cone subwoofer, extremely long throw	4	22	.31	87	14	56	250	88	\$228.10
SP18R (H9944)	6.5" passive radiator, threaded bolt for adding weight		26		41	9.5				\$45.30
SP22R (H9945)	8" passive radiator, threaded bolt for adding weight		22		138	10				\$62.85
SP26R (H9946)	10" passive radiator, threaded bolt for adding weight		22		214	12.5				\$92.05
Coaxial Drivers - The tweeter is mounted at the base of the woofer cone (coincidental).										
C16N0001/F (E0051)	6" Excel Magnesium Cone with soft dome tweeter, radial reinforced surround, coincidental, copper rings	T6 W4	T1.2K W37	W .49	W 15	W 7	T26 W39	T90 W80	T90 W85	\$253.90
T18REX/FXC (H1353)	7" coaxial, clear cone, raised spider, coincidental, new adaptive surround	T6 W8	T1.2K W29	W .22	W 47.9	W 3	T26 W39	T90 W90	T88.5 W87	\$159.95
T18RE/XFCTV2 (H1333) (Shielded)	7" coaxial, clear cone, raised spider, coincidental, new adaptive surround and shielded for use near CRT's	T6 W8	T1.2 W26	W .26	W 52	W 3	T26 W39	T90 W80	T88.5 W87	\$166.50

Exotic T35 X3-06

The Exotic T35 is a classic dome midrange tweeter with high sensitivity and a smooth, extended frequency response. A coated fabric dome with integral surround manufactured by Dr. K. Müller in Germany ensures excellent performance and consistency. A high efficiency Alnico V ring magnet in a carefully designed system contributes to high sensitivity and low distortion. A large and well damped cavity in the pole ensures a low resonance frequency and smooth response. A generously underhung 35mm voice coil wound from copper-clad aluminum wire further enhances the sensitivity. A large diameter 7mm thick precision machined aluminum front plate with moderate horn loading ensures linear frequency response.



Nominal Impedance	6 Ohms	Voice coil resistance	4.6 Ohms
Recom. frequency range	1500-25000 Hz	Voice coil inductance	0.06 mH
Short term max. power	250 W	Force factor	3.9 N/A
Long term max. power	100 W	Free air resonance	600 Hz
Sensitivity (1W/1m)	94 dB	Moving mass	0.47 g
		Suspension compliance	mm/N
Voice Coil Diameter	35 mm	Suspension mech. resistance	Ns/m
Voice coil height	2.0 mm	Effective piston area	11.9 sq. cm
Air gap height	3.0 mm		
Linear coil travel (p-p)	1.0 mm	Flange diameter	130 mm
Max. coil travel (p-p)	mm	Cut out diameter	86 mm
Magnet weight	0.35 Kg	Flange thickness (at edge)	5.5 mm
Total weight	0.91 Kg	Depth	42.5 mm

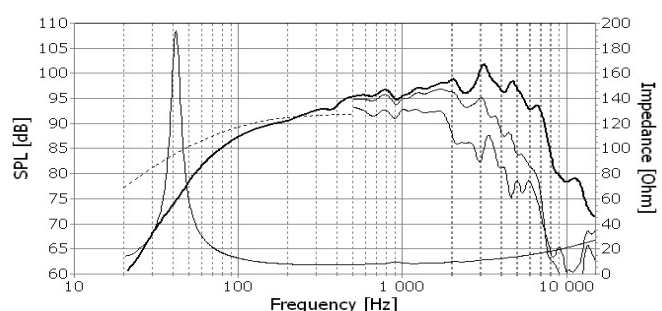


Exotic W8 X2-08

The Exotic W8 is an 8 inch woofer-midrange driver designed for smooth, wide frequency response, high sensitivity and low distortion. The special paper cone is embedded with papyrus fibres to optimize stiffness and damping. A special foam rubber surround reduces mass by 40% compared to conventional rubber surrounds, resulting in higher sensitivity and excellent damping properties. A new and proprietary spider design dramatically improves the performance of this critical suspension part. The magnet system uses an Alnico V ring magnet for high sensitivity and stability. Massive copper rings above and below the magnet gap lower distortion due to eddy currents and flux modulation. Hand-turned phase plug made from ash.



Nominal Impedance	8 Ohms	Voice coil resistance	6.0 Ohms
Recom. frequency range	30-3000 Hz	Voice coil inductance	0.43 mH
Short term max. power	250 W	Force factor	9.2 N/A
Long term max. power	100 W	Free air resonance	36 Hz
Sensitivity (1W/1m)	94 dB	Moving mass	13.9 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	0.7 Ns/m
Voice coil height	12 mm	Effective piston area	212 sq. cm
Air gap height	6 mm		
Linear coil travel (p-p)	6 mm	Vas	78 Liters
Max. coil travel (p-p)	22 mm	Qms	5.10
Magnet weight	.8 Kg	Qes	0.25
Total weight	2.5 Kg	Qts	0.24

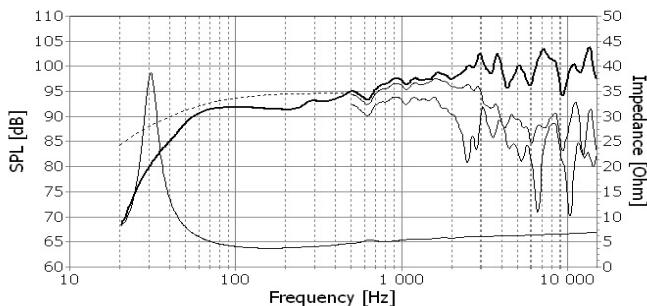


Exotic F8 X1-04

The Exotic F8 is a full range 8-inch driver designed for smooth, wide frequency response, high sensitivity, and low distortion. The special paper cone is embedded with papyrus fibers to optimize stiffness and damping. An optimally matched whizzer cone extends high frequency response beyond 10kHz. A totally new and proprietary spider design dramatically improves the performance of this critical suspension part. The magnet system uses an Alnico V ring magnet for high sensitivity, excellent stability, and low distortion. See more info online.



Nominal Impedance	4	Ohms	Voice coil resistance	3.0	Ohms
Recom. frequency range	30-20000	Hz	Voice coil inductance	0.05	mH
Short term max. power	100	W	Force factor	4.2	N/A
Long term max. power	35	W	Free air resonance	31	Hz
Sensitivity (1W/1m)	96	dB	Moving mass	10.5	g
			Suspension compliance	2.5	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.57	Ns/m
Voice coil height	7.8	mm	Effective piston area	222	sq. cm
Air gap height	12	mm			
Linear coil travel (p-p)	4.2	mm	Vas	146	Liters
Max. coil travel (p-p)	14	mm	Qms	4.24	
Magnet weight	0.8	Kg	Qes	0.43	
Total weight	2.6	Kg	Qts	0.39	

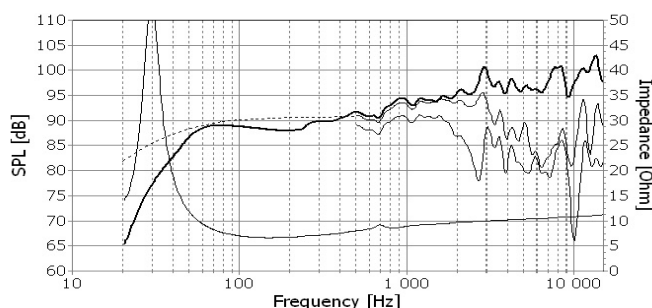


Exotic F8 X1-08

The Exotic F8 is a full range 8-inch driver designed for smooth, wide frequency response, high sensitivity, and low distortion. The special paper cone is embedded with papyrus fibers to optimize stiffness and damping. An optimally matched whizzer cone extends high frequency response beyond 10kHz. A totally new and proprietary spider design dramatically improves the performance of this critical suspension part. The magnet system uses an Alnico V ring magnet for high sensitivity, excellent stability, and low distortion. See more info online.



Nominal Impedance	8	Ohms	Voice coil resistance	5.7	Ohms
Recom. frequency range	30-20000	Hz	Voice coil inductance	0.07	mH
Short term max. power	100	W	Force factor	5.25	N/A
Long term max. power	35	W	Free air resonance	32	Hz
Sensitivity (1W/1m)	93	dB	Moving mass	10	g
			Suspension compliance	2.5	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	0.57	Ns/m
Voice coil height	7.8	mm	Effective piston area	222	sq. cm
Air gap height	12	mm			
Linear coil travel (p-p)	4.2	mm	Vas	143	Liters
Max. coil travel (p-p)	14	mm	Qms	4.20	
Magnet weight	.8	Kg	Qes	0.50	
Total weight	2.6	Kg	Qts	0.44	

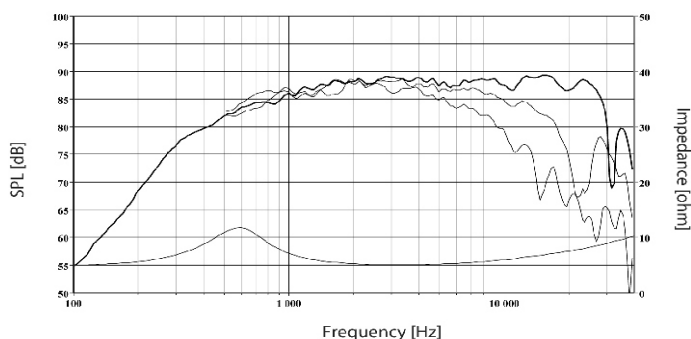


Excel T25CF-002 E0011

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 HEXADYD 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	4.6	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)	89	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	-	

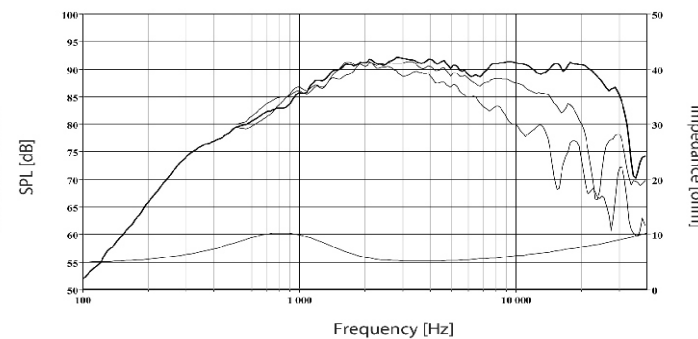


Excel T25C-001 E0006

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 T25CF5-001 has a silver wire voice coil, tinsel leads and gold plated terminals. A wide polymer surround is used to give added stability **without magnetic fluid**. The T25CF-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	6	Ohms	Voice coil resistance	4.6	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	700	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	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	0.80	Kg	Qts	-	

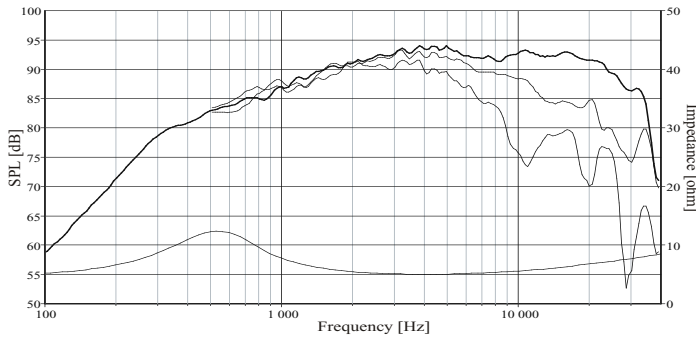


Excel T29CF-002 E0040

The T29CF002, "CRESCENDO" is an Ultra High End 29mm soft dome tweeter. An optimally shaped dome with wide Sonomex surround. A high efficiency HEXADYM magnet system, based on 6 radially magnetized NdFeB magnet blocks, provide efficient ventilation and damping of cavities behind the dome, surround and voice coil. Inherently shielded. Generously underhung voice coil with flexible lead out wires. A 6mm precision machined aluminum front plate, Nextel painted. Injection molded rear chamber made from zinc eliminates unwanted chamber wall 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	3.5 N/A
Long term max. power	90 W	Free air resonance	500 Hz
Sensitivity (1W/1m)	92.5 dB	Moving mass	0.35 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	Vas	- Liters
Linear coil travel (p-p)	0.5 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	0.053 Kg	Qts	-
Total weight	0.66 Kg		

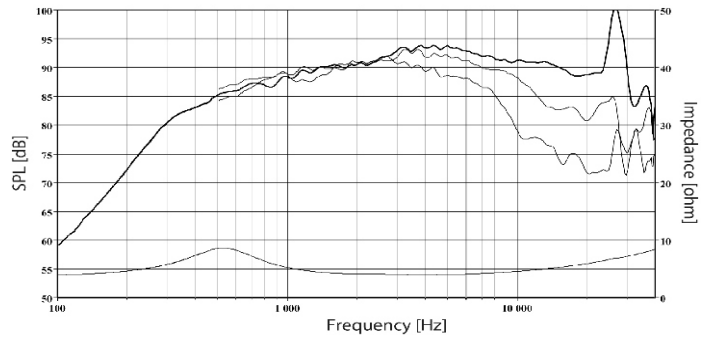


Excel T29MF-001 E0047

The T29MF-001 "Magnum" is a new magnesium dome tweeter with a special neodymium magnet system. This is the tweeter of choice for those who seek extremely precise and realistic sound reproduction. This tweeter uses the Seas patented Hexadym neodymium radial magnet system. The magnesium dome moves the breakup beyond the audible frequency range. Other features are; underhung voice coil, large Sonomax surround, low viscosity magnet fluid, 6mm machine aluminum face plate, zinc injection molded rear chamber, inherently shielded.



Nominal Impedance	4 Ohms	Voice coil resistance	3.5 Ohms
Recom. frequency range 2000-25000	Hz	Voice coil inductance	0.03 mH
Short term max. power	200 W	Force factor	3.0 N/A
Long term max. power	90 W	Free air resonance	500 Hz
Sensitivity (1W/1m)	92 dB	Moving mass	0.35 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.1 mm	Effective piston area	8 sq. cm
Air gap height	2.5 mm	Vas	- Liters
Linear coil travel (p-p)	1.4 mm	Qms	-
Max. coil travel (p-p)	- mm	Qes	-
Magnet weight	53 g	Qts	-
Total weight	0.61 Kg		

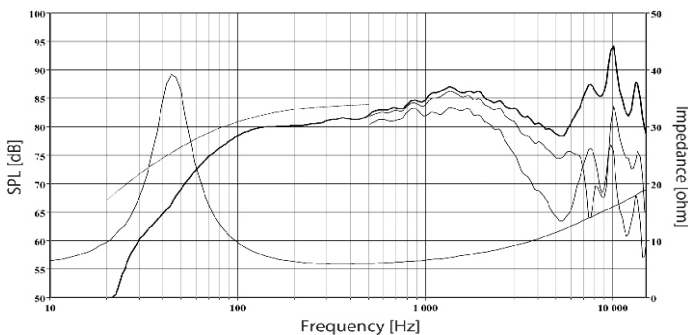


Excel W12CY-001 E0021

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	0.43 mH
Short term max. power	200 W	Force factor	5.4 N/A
Long term max. power	70 W	Free air resonance	45 Hz
Sensitivity (1W/1m)	84 dB	Moving mass	7.5 g
		Suspension compliance	1.7 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	0.87 Ns/m
Voice coil height	12 mm	Effective piston area	50 sq. cm
Air gap height	6.0 mm	Vas	6 Liters
Linear coil travel (p-p)	6.0 mm	Qms	2.50
Max. coil travel (p-p)	9 mm	Qes	0.42
Magnet weight	0.42 Kg	Qts	0.36
Total weight	1.21 Kg		

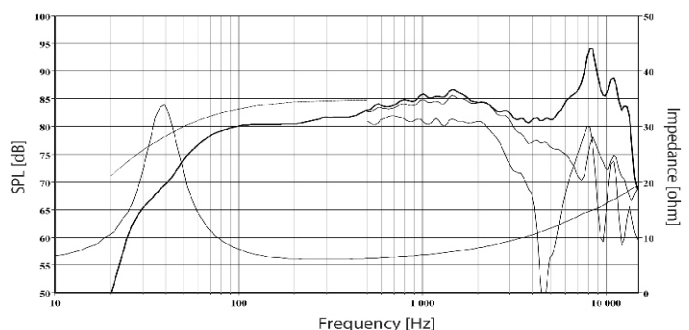


Excel W15CH-001 E0037

The W15CH-001 is a 5" cone driver developed for use as a woofer or woofer/midrange. The extremely stiff, yet light magnesium cone delivers tremendous bass precision and midrange detail. This speaker has an acoustically transparent basket and a natural rubber surround. This woofer has the patented Hexadym magnet system, based on 6 radially magnetized Neodymium blocks. Heavy copper rings mounted above and below the T-shaped pole piece reduce non-linear and intermodulation distortion. A solid copper phase plug improves heat conduction.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	50-3000 Hz	Voice coil inductance	0.49 mH
Short term max. power	200 W	Force factor	5.1 N/A
Long term max. power	70 W	Free air resonance	38 Hz
Sensitivity (1W/1m)	85 dB	Moving mass	9.5 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	0.91 Ns/m
Voice coil height	14 mm	Effective piston area	75 sq. cm
Air gap height	6.0 mm	Vas	- Liters
Linear coil travel (p-p)	8.0 mm	Qms	-
Max. coil travel (p-p)	14 mm	Qes	-
Magnet weight	0.06 Kg	Qts	-
Total weight	0.80 Kg		

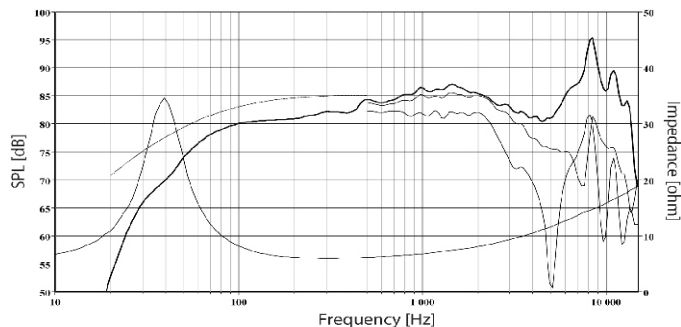


Excel W15CY-001 E0015

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	0.49 mH
Short term max. power	200 W	Force factor	5.5 N/A
Long term max. power	70 W	Free air resonance	38 Hz
Sensitivity (1W/1m)	85.5 dB	Moving mass	9.5 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.06 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 Liters
Max. coil travel (p-p)	14 mm	Qms	2.22
Magnet weight	0.42 Kg	Qes	0.43
Total weight	1.35 Kg	Qts	0.36

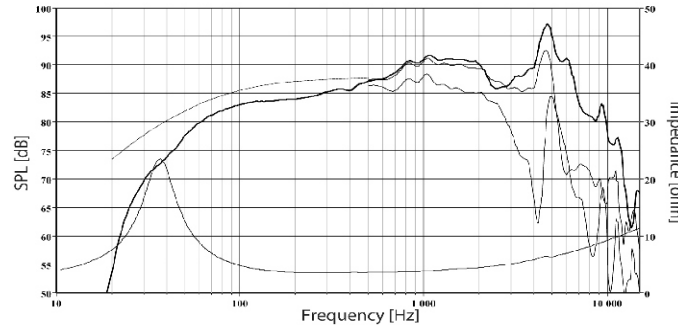


Excel W16NX-001 E0049-04

This 6" woofer has a machined and surface treated magnesium cone. The unique radial reinforced rubber surround reduces resonances and prevents surround breakup at large excursions. Heavy copper rings above and below the T-shaped pole pieces reduce non linear and modulation distortion and increase overload margins. A copper phase plug reduces compression due to temperature and eliminated cavity resonance from inside the former. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. Extended bass shelf gives f5 of 40Hz.



Nominal Impedance	4 Ohms	Voice coil resistance	3.0 Ohms
Recom. frequency range	45-2500 Hz	Voice coil inductance	0.25 mH
Short term max. power	250 W	Force factor	5.3 N/A
Long term max. power	80 W	Free air resonance	37 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	14.8 g
		Suspension compliance	1.3 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.34 Ns/m
Voice coil height	20 mm	Effective piston area	94 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	14.0 mm	Vas	15 Liters
Max. coil travel (p-p)	22 mm	Qms	2.66
Magnet weight	0.64 Kg	Qes	0.38
Total weight	2.15 Kg	Qts	0.33

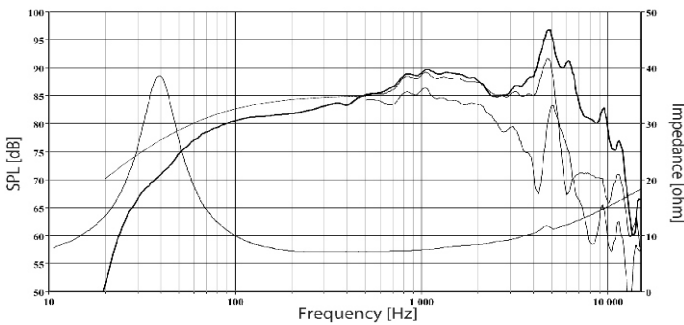


Excel W16NX-001 E0049-08

This 6" woofer has a machined and surface treated magnesium cone. The unique radial reinforced rubber surround reduces resonances and prevents surround breakup at large excursions. Heavy copper rings above and below the T-shaped pole pieces reduce non linear and modulation distortion and increase overload margins. A copper phase plug reduces compression due to temperature and eliminated cavity resonance from inside the former. The raised spider keeps the voice coil from bottoming out and also reduces noise caused by mechanical distortion. Extended bass shelf gives f5 of 40Hz.



Nominal Impedance	8 Ohms	Voice coil resistance	6.2 Ohms
Recom. frequency range	45-2500 Hz	Voice coil inductance	0.41 mH
Short term max. power	250 W	Force factor	7.3 N/A
Long term max. power	80 W	Free air resonance	39 Hz
Sensitivity (1W/1m)	85 dB	Moving mass	13.9 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.64 Ns/m
Voice coil height	20 mm	Effective piston area	94 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	14.0 mm	Vas	14 Liters
Max. coil travel (p-p)	22 mm	Qms	2.16
Magnet weight	0.64 Kg	Qes	0.41
Total weight	2.15 Kg	Qts	0.35

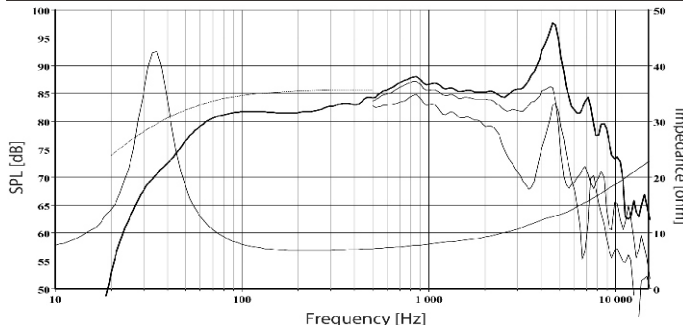


Excel W18E-001 E0018

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	0.65 mH
Short term max. power	250 W	Force factor	6.6 N/A
Long term max. power	100 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	86 dB	Moving mass	15.5 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.2 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	30 Liters
Max. coil travel (p-p)	19 mm	Qms	2.91
Magnet weight	0.42 Kg	Qes	0.49
Total weight	1.75 Kg	Qts	0.42

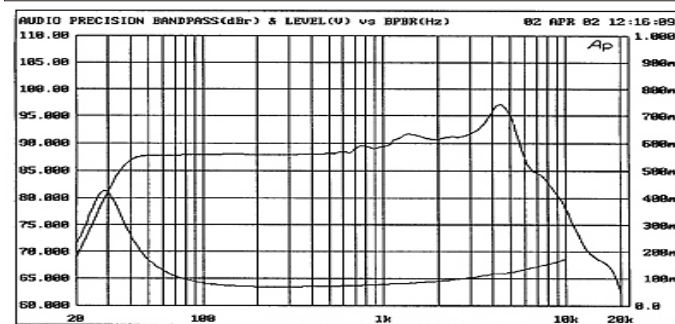


Excel W18E-001/TV E0027

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

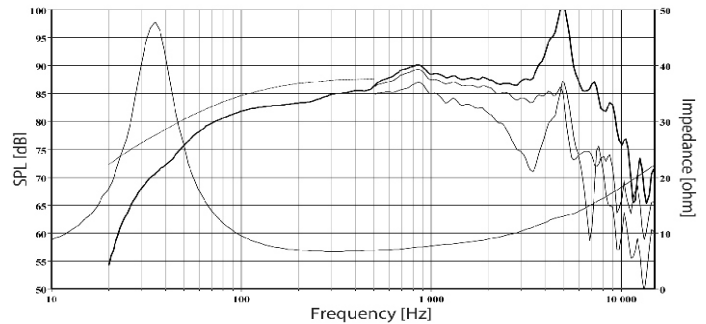


Excel W18EX-001 E0017

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	0.65 mH
Short term max. power	250 W	Force factor	8.4 N/A
Long term max. power	100 W	Free air resonance	34 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	15.5 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.94 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	30 Liters
Max. coil travel (p-p)	19 mm	Qms	1.8
Magnet weight	0.64 Kg	Qes	0.30
Total weight	2.15 Kg	Qts	0.26

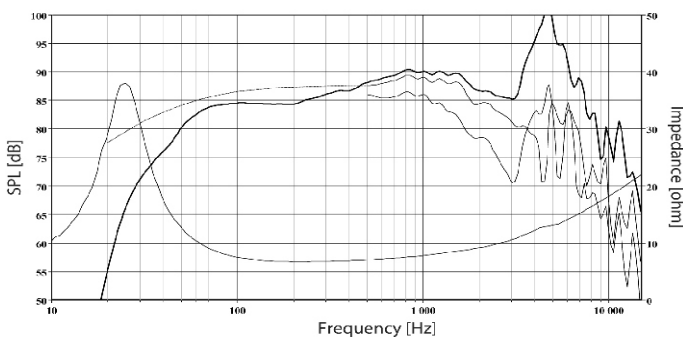


Excel W22EX-001 E0022

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	6.1 Ohms
Recom. frequency range	30-2000 Hz	Voice coil inductance	0.61 mH
Short term max. power	300 W	Force factor	8.1 N/A
Long term max. power	120 W	Free air resonance	25 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	26.2 g
		Suspension compliance	1.5 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.06 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	98 Liters
Max. coil travel (p-p)	21 mm	Qms	2.14
Magnet weight	0.64 Kg	Qes	0.41
Total weight	2.2 Kg	Qts	0.34

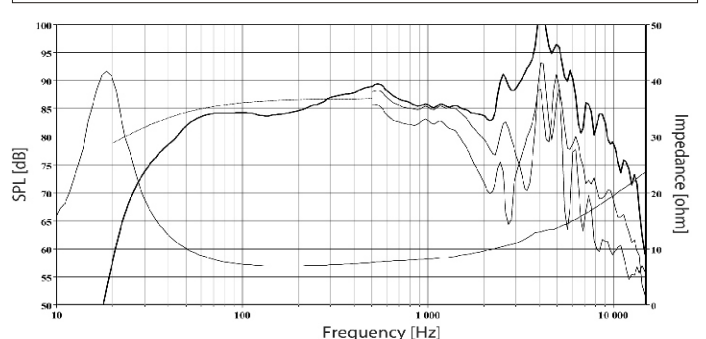


Excel W26FX-001 E0026

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	10.7 N/A
Long term max. power	150 W	Free air resonance	20 Hz
Sensitivity (1W/1m)	87 dB	Moving mass	56.3 g
		Suspension compliance	1.1 mm/N
Voice Coil Diameter	51 mm	Suspension mech. resistance	3.21 Ns/m
Voice coil height	20 mm	Effective piston area	330 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	14.0 mm	Vas	162 Liters
Max. coil travel (p-p)	35 mm	Qms	2.34
Magnet weight	3.0 Kg	Qes	0.41
Total weight	4.2 Kg	Qts	0.35

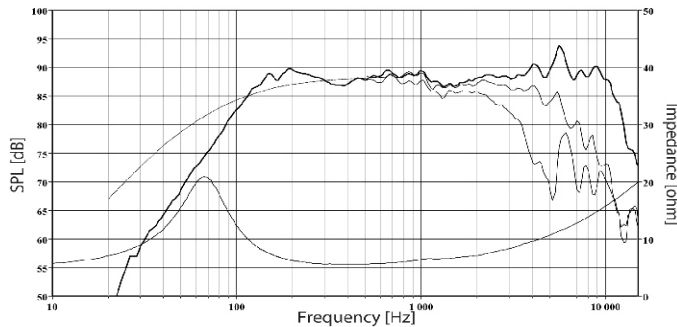


Excel M15CH-002 E0043

The M15CH-002 is a 5" Nextel coated paper cone midrange, capable of the most neutral and transparent sound reproduction. The low distortion and low mechanical noise generated by this driver set a new standard for midrange units. The Hexadym magnet system is designed to keep cavity resonances and sound reflection to a minimum. Copper rings are employed to reduce non-linear and modulation distortion. A solid copper phase plug enhances the performance of the rings and conducts heat away from the voice coil. The cast frame with large windows is designed for quiet operation and air flow.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	60-3500 Hz	Voice coil inductance	0.43 mH
Short term max. power	200 W	Force factor	5.3 N/A
Long term max. power	70 W	Free air resonance	67 Hz
Sensitivity (1W/1m)	88.5 dB	Moving mass	6.75 g
		Suspension compliance	0.8 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.77 Ns/m
Voice coil height	12 mm	Effective piston area	75 sq. cm
Air gap height	6 mm	Vas	6.0 Liters
Linear coil travel (p-p)	6 mm	Qms	1.70
Max. coil travel (p-p)	14 mm	Qes	0.52
Magnet weight (Neodymium)	0.06 Kg	Qts	0.40
Total weight	0.8 Kg		

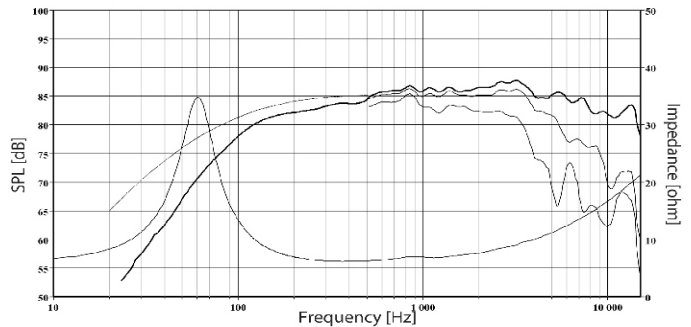


Excel W12CY-003 E0044

The W12CY-003 is a 4.5" paper cone with a unique Nextel coating, for smooth response and low distortion. The new Adaptive Surround provides greater damping in the upper frequencies and less damping for bass frequencies. A large magnet and copper clad aluminum voice coil provide good excursion, low distortion and good transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. Large windows in the cast basket, above and below the voice coil reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	60-3500 Hz	Voice coil inductance	0.41 mH
Short term max. power	200 W	Force factor	5.5 N/A
Long term max. power	70 W	Free air resonance	60 Hz
Sensitivity (1W/1m)	85.5 dB	Moving mass	6.1 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.03 Ns/m
Voice coil height	12 mm	Effective piston area	50 sq. cm
Air gap height	6 mm	Vas	4.0 Liters
Linear coil travel (p-p)	6 mm	Qms	2.30
Max. coil travel (p-p)	9 mm	Qes	0.44
Magnet weight	0.42 Kg	Qts	0.36
Total weight	1.3 Kg		

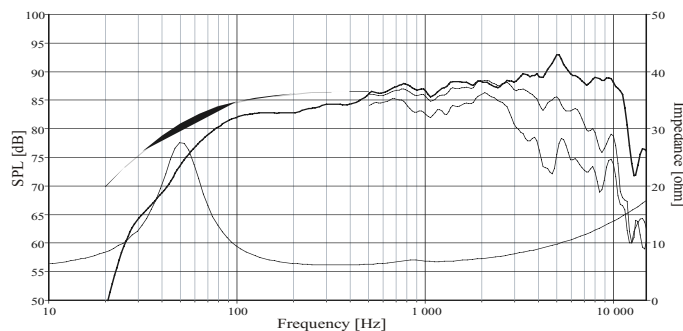


Excel W15LY-001 E0041

The W15LY-001 is a paper cone with a unique Nextel coating, for smooth response and low distortion. The new Adaptive Surround provides greater damping in the upper frequencies and less damping for bass frequencies. A large magnet and copper clad aluminum voice coil provide good excursion, low distortion and good transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. Large windows in the cast basket, above and below the voice coil reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	50-4000 Hz	Voice coil inductance	0.3 mH
Short term max. power	250 W	Force factor	4.6 N/A
Long term max. power	60 W	Free air resonance	49 Hz
Sensitivity (1W/1m)	86.5 dB	Moving mass	6.28 g
		Suspension compliance	1.7 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	0.93 Ns/m
Voice coil height	16 mm	Effective piston area	75 sq. cm
Air gap height	6 mm	Vas	12.0 Liters
Linear coil travel (p-p)	10 mm	Qms	2.21
Max. coil travel (p-p)	20 mm	Qes	0.56
Magnet weight	0.42 Kg	Qts	0.45
Total weight	1.29 Kg		

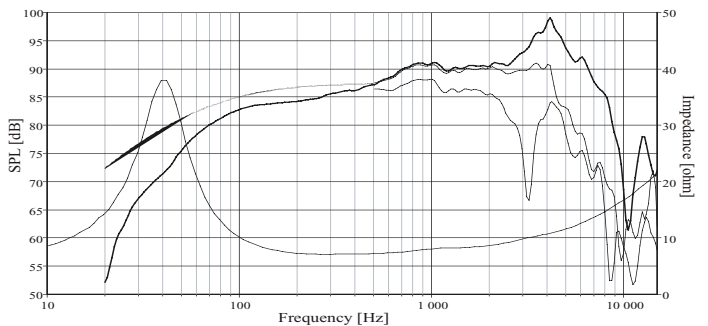


Excel W18NX-001 E0042

The W18NX-001 is a paper cone with a unique Nextel coating, for smooth response and low distortion. The new Adaptive Surround provides greater damping in the upper frequencies and less damping for bass frequencies. A large magnet and copper clad aluminum voice coil provide good excursion, low distortion and good transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. Large windows in the cast basket, above and below the voice coil reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8 Ohms	Voice coil resistance	6.3 Ohms
Recom. frequency range	30-3000 Hz	Voice coil inductance	0.43 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. power	80 W	Free air resonance	40 Hz
Sensitivity (1W/1m)	87.5 dB	Moving mass	13.7 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.77 Ns/m
Voice coil height	20 mm	Effective piston area	126 sq. cm
Air gap height	6 mm	Vas	24 Liters
Linear coil travel (p-p)	14 mm	Qms	2.08
Max. coil travel (p-p)	22 mm	Qes	0.41
Magnet weight	0.64 Kg	Qts	0.34
Total weight	2.15 Kg		

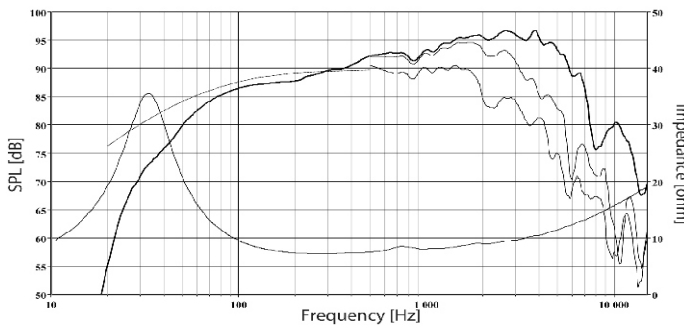


Excel W22NY-001 E0045

The W22NY-001 is a paper cone with a unique Nextel coating to provide stiffness and reduce distortion. A large magnet with a bumped back plate, together with a CCAW voice coil, allow for good excursion with low distortion and excellent transient response. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. A chrome plated brass phase plug reduces temperature variations in the voice coil and reduces cavity resonances. Large windows in the cast basket, reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	30-3000 Hz	Voice coil inductance	0.61 mH
Short term max. power	250 W	Force factor	8.8 N/A
Long term max. power	90 W	Free air resonance	33 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	20.0 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.60 Ns/m
Voice coil height	20 mm	Effective piston area	220 sq. cm
Air gap height	6 mm		
Linear coil travel (p-p)	14 mm	Vas	72 Liters
Max. coil travel (p-p)	21 mm	Qms	1.73
Magnet weight	3.00 Kg	Qes	0.36
Total weight	3.6 Kg	Qts	0.30

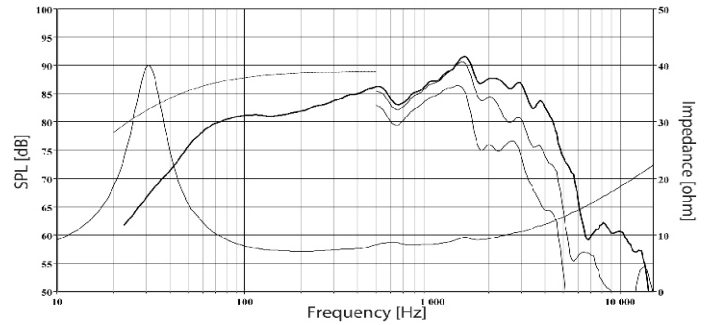


Excel W26FX-002 E0046

The W26FX-002 is a paper cone with a unique Nextel coating to provide stiffness and reduce distortion. A 2" diameter high temperature with black anodized coil former is incorporated for high power handling and reduced power compression. Heavy copper rings mounted above and below the T-shaped pole pieces reduce non-linear and intermodulation distortion. A chrome plated brass phase plug reduces temperature variations in the voice coil and reduces cavity resonances. Large windows in the cast basket, reduce air flow noise and ventilate the voice coil.



Nominal Impedance	8 Ohms	Voice coil resistance	6.2 Ohms
Recom. frequency range	30-1000 Hz	Voice coil inductance	0.81 mH
Short term max. power	300 W	Force factor	10.9 N/A
Long term max. power	100 W	Free air resonance	31 Hz
Sensitivity (1W/1m)	89.0 dB	Moving mass	42.4 g
		Suspension compliance	0.6 mm/N
Voice Coil Diameter	51 mm	Suspension mech. resistance	3.52 Ns/m
Voice coil height	20 mm	Effective piston area	330 sq. cm
Air gap height	6 mm		
Linear coil travel (p-p)	14 mm	Vas	87 Liters
Max. coil travel (p-p)	35 mm	Qms	2.55
Magnet weight	3.00 Kg	Qes	0.47
Total weight	4.5 Kg	Qts	0.39

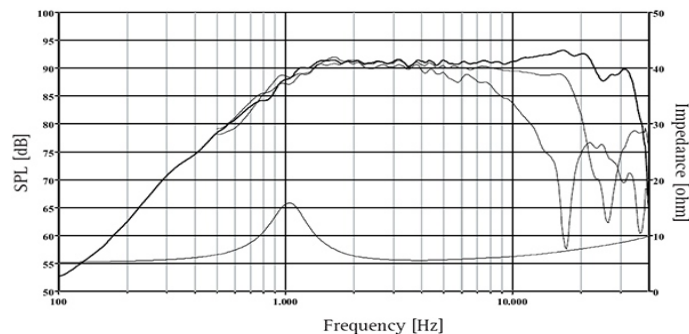


Seas 22TFF H1280

22TFF is a High Definition soft dome tweeter with a wide surround combining the high frequency dispersion of a 3/4" dome with the low frequency characteristics of a 1" dome. One-piece Sonomex dome and surround allows for very tight production tolerances and high consistency, with a smooth and extended frequency response. Magnetic fluid is used for increased power handling capacity and reduced compression at high power levels. The chassis is molded from a stiff and stable glass fibre reinforced polymer material, and its front design offers optimum radiation conditions.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	2500-20000 Hz	Voice coil inductance	0.05 mH
Short term max. power	180 W	Force factor	3.3 N/A
Long term max. power	90 W	Free air resonance	1050 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.25 g
		Suspension compliance	- mm/N
Voice Coil Diameter	19.5 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.6 mm	Effective piston area	5.9 sq. cm
Air gap height	2 mm		
Linear coil travel (p-p)	0.4 mm	Vas	- Liters
Max. coil travel (p-p)	- mm	Qms	-
Magnet weight	0.25 Kg	Qes	-
Total weight	0.50 Kg	Qts	-

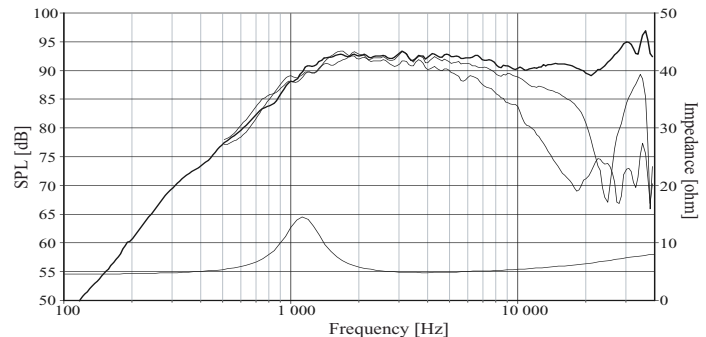


Seas 22TAF/G H1283

The 22TAF/G is a High Definition metal dome tweeter with wide, coated fabric surround. The relatively small voice coil diameter and the wide surround combine the high frequency behavior of a 3/4" dome with the low frequency characteristics of a 1" dome. A large ferrite magnet gives high efficiency. The dome is precision formed from an aluminum/magnesium alloy for low mass and high rigidity and stability. The pre-coated surround material gives high consistency and excellent stability. The VC is ferrofluid cooled. An acoustically open Hexagrid protects the dome diaphragm.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.05 mH
Short term max. power	180 W	Force factor	3.3 N/A
Long term max. power	80 W	Free air resonance	1100 Hz
Sensitivity (1W/1m)	92 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	5.9 sq. cm
Air gap height	2 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	-

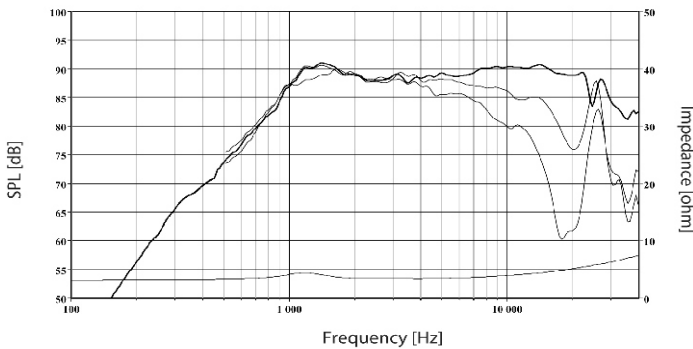


Seas 27TAFNC/G H1397

Compact design neodymium magnet tweeter for high quality small cabinet speakers or autosound applications. Critically designed aluminum/magnesium alloy dome with good dispersion above 10kHz. A wide roll surround together with double chamber magnet system results in a low fundamental frequency. The magnet system is inherently shielded, allowing use in A/V systems. The diffuser is designed to compensate for a slight roll off towards 20kHz and also to reduce resonance above 20kHz. The voice coil is immersed in magnetic fluid. Pressure fit installation.



Nominal Impedance	4 Ohms	Voice coil resistance	2.7 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.03 mH
Short term max. power	200 W	Force factor	1.9 N/A
Long term max. power	90 W	Free air resonance	1170 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	1.1 mm	Effective piston area	7.5 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.9 mm	Power ratings with 12dB filter at 2500Hz	
Max. coil travel (p-p)	- mm	The aluminum dome has slightly better power handling than the textile dome, because the aluminum helps conduct heat away from the VC.	
Magnet weight	0.01 Kg		
Total weight	0.1 Kg		

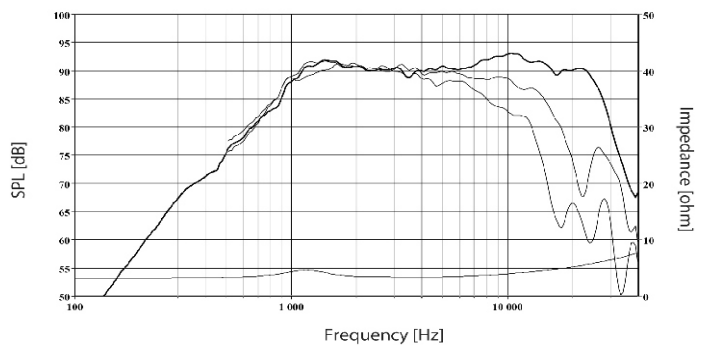


Seas 27TFNC/G H1396

Compact design neodymium magnet tweeter for high quality small cabinet speakers or autosound applications. The diaphragm is vacuum formed from a pre-coated fabric for greater consistency. The coating has been carefully selected to result in a smooth frequency response and a high degree of stability against changes in temperature and humidity. A wide roll surround together with double chamber magnet system results in a low fundamental frequency. The magnet system is inherently shielded, allowing use in A/V systems. The voice coil is immersed in magnetic fluid. Pressure fit installation.



Nominal Impedance	4 Ohms	Voice coil resistance	2.7 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.03 mH
Short term max. power	200 W	Force factor	1.9 N/A
Long term max. power	80 W	Free air resonance	1170 Hz
Sensitivity (1W/1m)	91 dB	Moving mass	0.26 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.1 mm	Effective piston area	7.5 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.9 mm	Power ratings with 12dB filter @ 2500Hz	
Max. coil travel (p-p)	- mm		
Magnet weight	0.01 Kg		
Total weight	0.1 Kg		

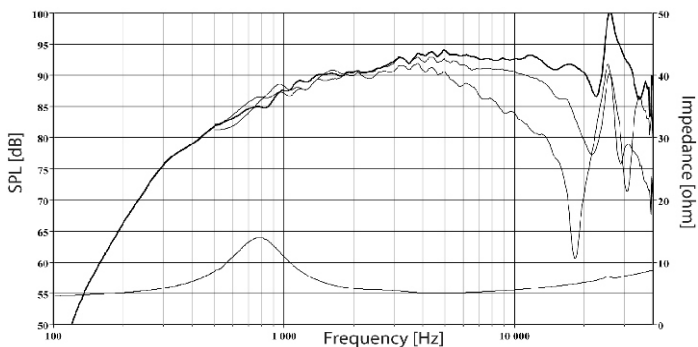


Seas 27TFNC/GW H1461

This is a 27mm titanium dome tweeter with a soft polymer surround. The dome and surround material give high consistency and excellent stability against variations in air humidity. The titanium dome is protected by a hexagrid grill with acoustic lense. The voice coil is wound on a perforated aluminum former and immersed in magnet fluid for increased power handling. A powerful high grade neodymium ring magnet is coupled with an extruded aluminum heat sink for better heat transfer and increased power handling.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	2500-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	230 W	Force factor	3.9 N/A
Long term max. power	100 W	Free air resonance	750 Hz
Sensitivity (1W/1m)	91.5 dB	Moving mass	0.32 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	53 g	Qes	-
Total weight	0.29 Kg	Qts	-

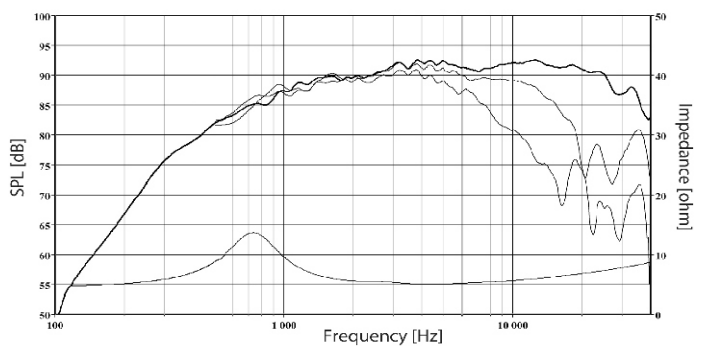


Seas 27DFNC/GW H1462

This is a 27mm textile dome tweeter with a soft polymer surround. The dome and surround material give high consistency and excellent stability against variations in air humidity. The textile dome is protected by a hexagrid grill. The voice coil is wound on a perforated aluminum former and immersed in magnet fluid for increased power handling. A powerful high grade neodymium ring magnet is coupled with an extruded aluminum heat sink for better heat transfer and increased power handling.



Nominal Impedance	6 Ohms	Voice coil resistance	4.9 Ohms
Recom. frequency range	2500-30000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	3.9 N/A
Long term max. power	90 W	Free air resonance	750 Hz
Sensitivity (1W/1m)	90.5 dB	Moving mass	0.31 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	53 g	Qes	-
Total weight	0.29 Kg	Qts	-

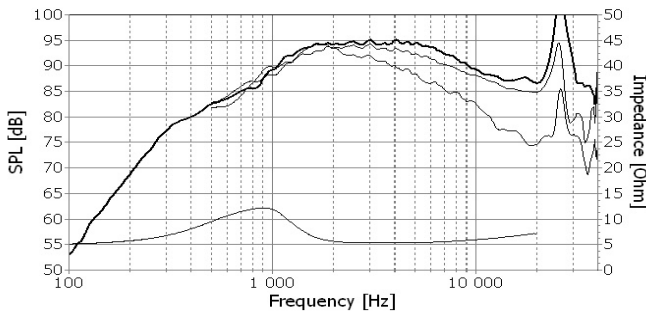


Seas 27TBCD/GB-DXT H1499

27TBCD/GB-DXT is a High Definition aluminum/magnesium alloy dome tweeter with DXT® lens. A fine mesh grid protects the diaphragm. Stiff and stable rear chamber with optimal acoustic damping allows the tweeter to be used with moderately low crossover frequencies. This revolutionary DXT® tweeter addresses the major issues regarding directivity control in traditional loudspeaker designs. DXT® solves several well-know issues regarding; directivity control, off-axis response, integration with midrange units and baffle diffraction.



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	3.7 N/A
Long term max. power	55 W	Free air resonance	900 Hz
Sensitivity (1W/1m)	92 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	7.5 sq. cm
Air gap height	2.0 mm		
Linear coil travel (p-p)	0.5 mm	Power ratings with 12dB filter @ 2500Hz	
Max. coil travel (p-p)	- mm		
Magnet weight	0.35 Kg		
Total weight	0.64 Kg		

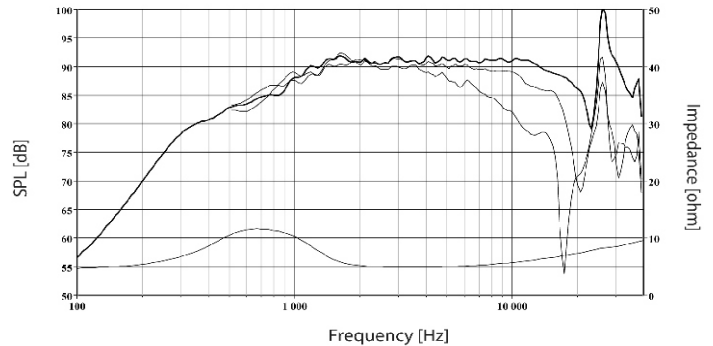


Seas 27TBC/G H1147

The H1147 is an aluminum / magnesium alloy dome tweeter with a wide soft polymer surround, designed to give stability without using ferro fluid. The dome is protected by a hexagrid grill, which also supports an acoustic lens which tailors the high frequency roll off. The voice coil is wound on a perforated aluminum former in order to reduce air flow noise. A stiff and stable rear chamber allows for a lower resonance frequency and lower crossover point. The face plate is made from glass fiber reinforced plastic.



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	600 Hz
Sensitivity (1W/1m)	92 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	0.52 Kg	Qts	-

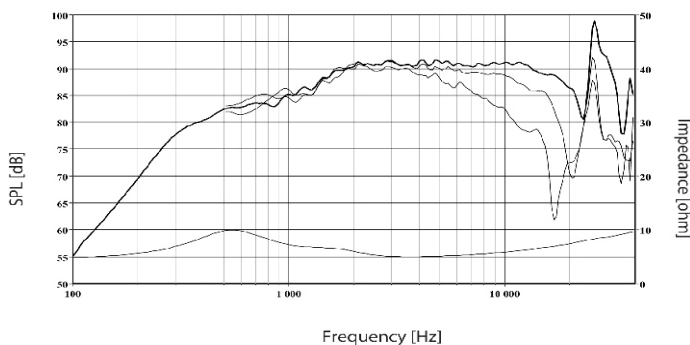


Seas 27BFC/G H1212

The H1212 is an aluminum / magnesium alloy dome tweeter. The special wide and soft polymer surround, initially designed to give stability without using ferro fluid, adding ferro fluid has also produced a desirable result. The dome is protected by a hexagrid metal grill, which also supports an acoustic lens to control the roll off frequencies. The voice coil is wound on a perforated aluminum former to help reduce air flow noise. The flange is made from glass fiber reinforced plastic.



Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	1500-20000 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	550 Hz
Sensitivity (1W/1m)	91.5 dB	Moving mass	0.34 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	0.5 Kg	Qts	-

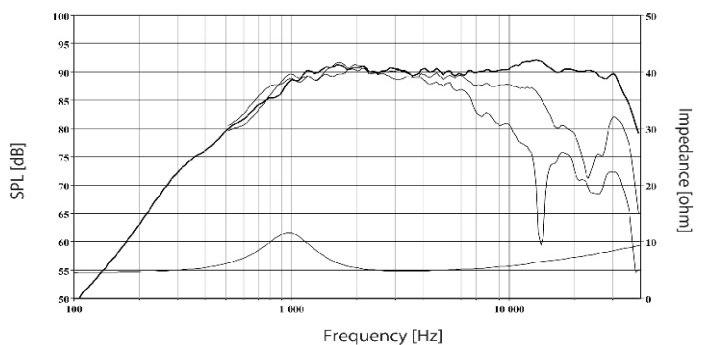


Seas 27TDF H1211

The 27TDF is a low viscosity ferrofluid cooled tweeter with a High Definition pre-coated fabric dome and special wide soft polymer surround. 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. 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	2500-25000 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	900 Hz
Sensitivity (1W/1m)	91 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	7.5 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	-

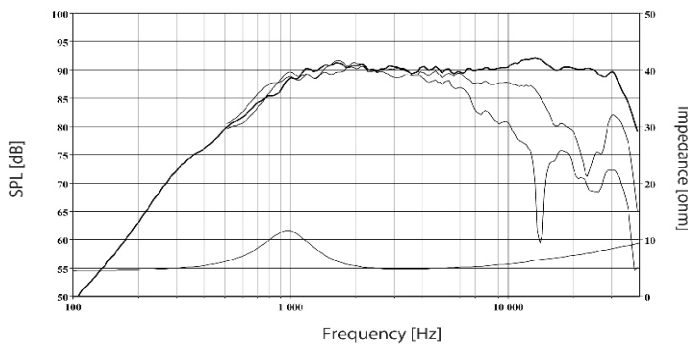


Seas 27TDC H1149

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.

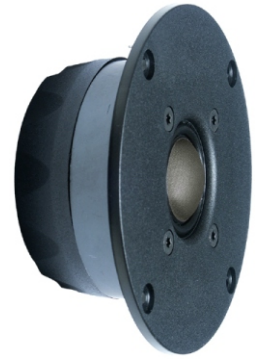


Nominal Impedance	6 Ohms	Voice coil resistance	4.8 Ohms
Recom. frequency range	2000-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	150 W	Force factor	3.5 N/A
Long term max. power	55 W	Free air resonance	550 Hz
Sensitivity (1W/1m)	90 dB	Moving mass	0.30 g
		Suspension compliance	- mm/N
Voice 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	-

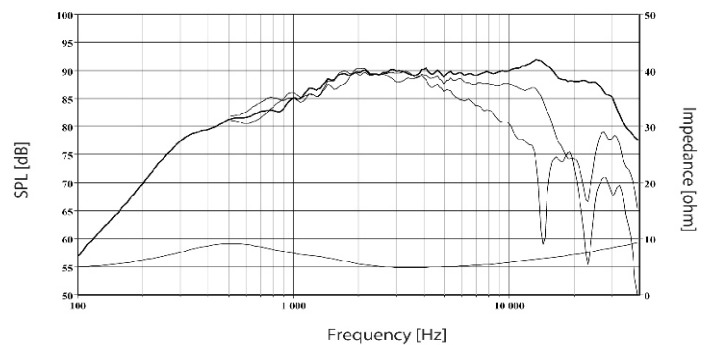


Seas 27TDFC H1189

The 27TDFC is a low viscosity ferrofluid cooled tweeter with a High Definition pre-coated fabric dome and wide soft polymer surround. 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 27TDFC 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	1500-25000 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	550 Hz
Sensitivity (1W/1m)	90 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	7.5 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	-

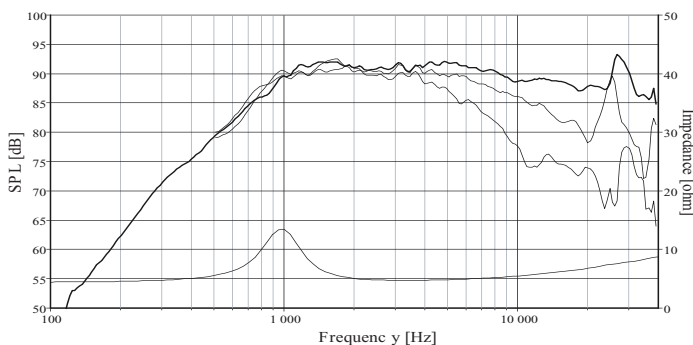


Seas 29TAF/W H1322

The 29TAF/W aluminum/magnesium alloy dome tweeter with wide, pre-coated fabric surround. The dome and surround are made in house for excellent consistency. The voice coil is wound on an aluminum former with adequate venting holes to eliminate noise from internal air flow. Low viscosity magnetic fluid and flexible lead-out wires ensure high power handling. Two part front plate with smooth, slightly elliptical wave guide made from elastomer provide excellent high frequency response and dispersion. The wave guide conceals the magnet system screws.



Nominal Impedance	6 Ohms	Voice coil resistance	4.7 Ohms
Recom. frequency range	2200-25000 Hz	Voice coil inductance	0.05 mH
Short term max. power	220 W	Force factor	3.5 N/A
Long term max. power	100 W	Free air resonance	950 Hz
Sensitivity (1W/1m)	91.5 dB	Moving mass	0.39 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	8 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	0.53 Kg	Qts	-

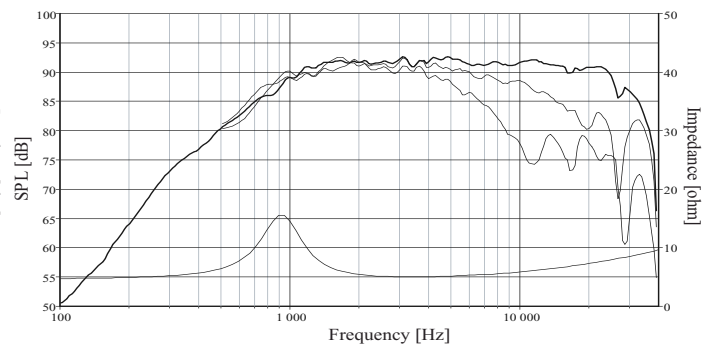


Seas 29TFF/W H1318

The 29TFF/W is a High Definition fabric dome tweeter with integrated wide surround. The diaphragm is made in house from pre-coated fabric for consistency. The voice coil is wound on an aluminum former with adequate venting holes to eliminate noise from internal air flow. Low viscosity magnetic fluid and flexible lead-out wires ensure high power handling. Two part front plate with smooth, slightly elliptical wave guide made from elastomer provide excellent high frequency response and dispersion. The wave guide conceals the magnet system screws.



Nominal Impedance	6 Ohms	Voice coil resistance	4.7 Ohms
Recom. frequency range	2200-25000 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	950 Hz
Sensitivity (1W/1m)	92 dB	Moving mass	0.35 g
		Suspension compliance	- mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	- Ns/m
Voice coil height	1.5 mm	Effective piston area	8 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	0.53 Kg	Qts	-



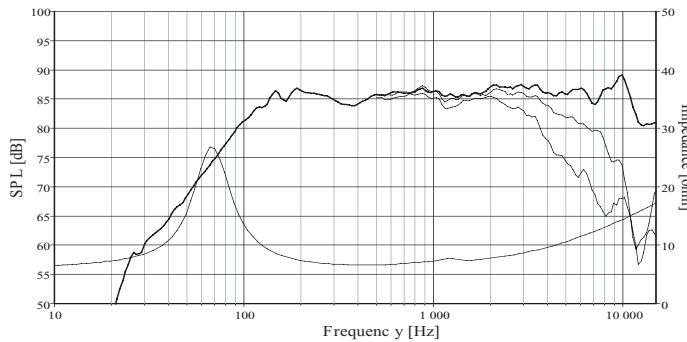
Seas MCA12RC H1304

The MCA12RC is a 4.5" coated paper cone midrange with a mechanically matching natural rubber surround. The result is an unusually smooth midrange response. The stiff injection molded basket has large windows and a raised spider to reduce sound reflection and air flow noise. A 1" high temperature voice coil wound on an aluminum former ensured high power handling capacity.

The frequency response extends to 10,000 Hz, indicating this driver is not overly damped and will have good upper midrange response.



Nominal Impedance	8 Ohms	Voice coil resistance	6.3 Ohms
Recom. frequency range	400-5000 Hz	Voice coil inductance	0.31 mH
Short term max. power	400 W	Force factor	4.2 N/A
Long term max. power	110 W	Free air resonance	68 Hz
Sensitivity (1W/1m)	86 dB	Moving mass	5.58 g
		Suspension compliance	1.2 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	0.85 Ns/m
Voice coil height	5.8 mm	Effective piston area	55 sq. cm
Air gap height	4.0 mm	Vas	5 Liters
Linear coil travel (p-p)	1.8 mm	Qms	2.42
Max. coil travel (p-p)	- mm	Qes	0.74
Magnet weight	0.25 Kg	Qts	0.56
Total weight	0.66 Kg		



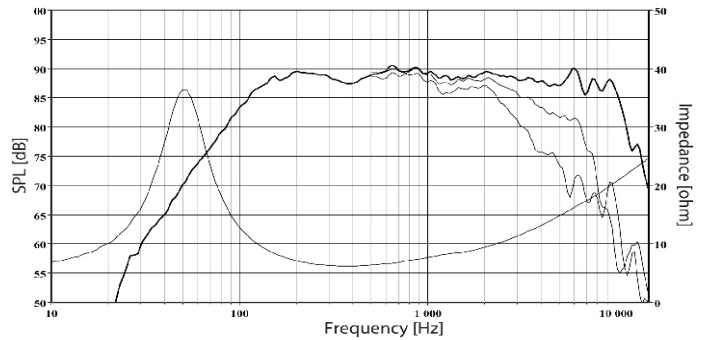
Seas MCA15RCY H1262

The MCA15RCY is a 5" coated paper cone midrange. The classical paper cone gives a smooth and extended frequency response with a controlled roll off. The large magnet and light cone provide high sensitivity, low distortion and good transient response. The stiff injection molded basket has large windows and a raised spider to reduce sound reflection and air flow noise.

The frequency response extends to 10,000 Hz, indicating this driver is not overly damped and will have good upper midrange response.



Nominal Impedance	8 Ohms	Voice coil resistance	5.8 Ohms
Recom. frequency range	100-4000 Hz	Voice coil inductance	0.73 mH
Short term max. power	300 W	Force factor	6.8 N/A
Long term max. power	100 W	Free air resonance	51 Hz
Sensitivity (1W/1m)	89.5 dB	Moving mass	7.1 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.53 Ns/m
Voice coil height	9.4 mm	Effective piston area	80 sq. cm
Air gap height	6.0 mm	Vas	12 Liters
Linear coil travel (p-p)	3.4 mm	Qms	1.57
Max. coil travel (p-p)	14 mm	Qes	0.30
Magnet weight	0.42 Kg	Qts	0.25
Total weight	1.3 Kg		

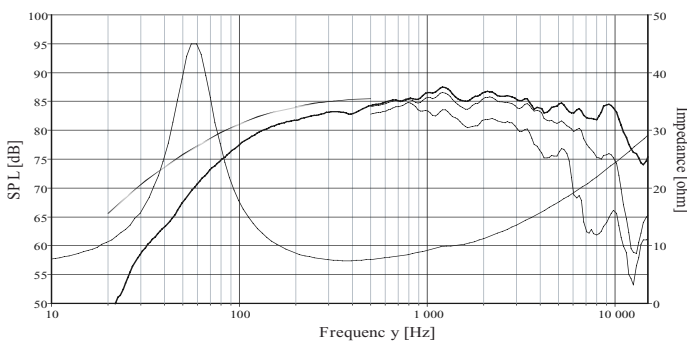


Seas CA12RCY H1152

Natural rubber surround and hand coated paper cone with coated fabric dust cap, reduce resonances and distortion. A large magnet system and a symmetrical driving force accomplished through a special coil winding technique for the voice coil give excellent linearity. A very large magnet system provides a reasonable efficiency and a low Q. Extremely stiff and stable injection molded metal basket keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflection, air flow noise and cavity resonance to a minimum.



Nominal Impedance	8 Ohms	Voice coil resistance	6.4 Ohms
Recom. frequency range	45-5000 Hz	Voice coil inductance	1.05 mH
Short term max. power	200 W	Force factor	6.35 N/A
Long term max. power	60 W	Free air resonance	57 Hz
Sensitivity (1W/1m)	86 dB	Moving mass	6.1 g
		Suspension compliance	1.3 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	1.04 Ns/m
Voice coil height	12 mm	Effective piston area	55 sq. cm
Air gap height	6.0 mm	Vas	5 Liters
Linear coil travel (p-p)	6.0 mm	Qms	2.17
Max. coil travel (p-p)	9.0 mm	Qes	0.36
Magnet weight	0.42 Kg	Qts	0.31
Total weight	1.21 Kg		

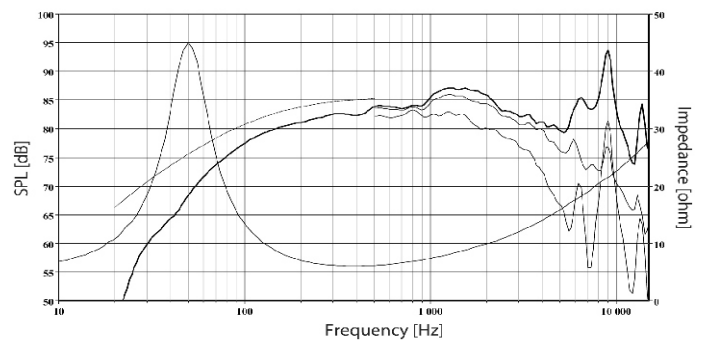


Seas L12RCY/P H1207

The L12RCY/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. Raised spider VC ventilation.



Nominal Impedance	8 Ohms	Voice coil resistance	5.5 Ohms
Recom. frequency range	55-3500 Hz	Voice coil inductance	0.76 mH
Short term max. power	200 W	Force factor	6.1 N/A
Long term max. power	70 W	Free air resonance	50 Hz
Sensitivity (1W/1m)	85.5 dB	Moving mass	6.8 g
		Suspension compliance	1.5 mm/N
Voice Coil Diameter	26 mm	Suspension mech. resistance	0.94 Ns/m
Voice coil height	12 mm	Effective piston area	50 sq. cm
Air gap height	6.0 mm	Vas	5 Liters
Linear coil travel (p-p)	6.0 mm	Qms	2.34
Max. coil travel (p-p)	9.0 mm	Qes	0.33
Magnet weight	0.42 Kg	Qts	0.29
Total weight	1.21 Kg		

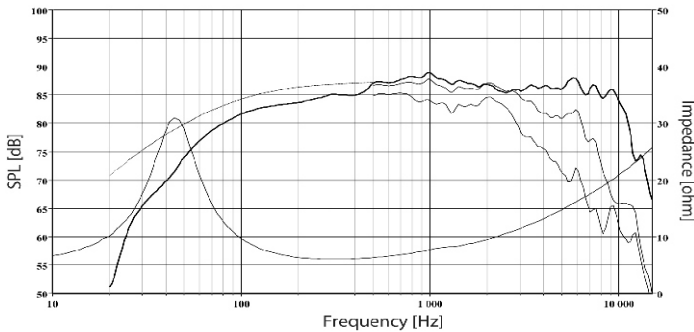


Seas CA15RLY H1216

This 5.5" woofer was developed for use as a long throw high fidelity woofer or woofer/midrange. The CA15RLY is a coated paper cone with extended frequency range and controlled roll off. The large magnet system, together with a very long and light CCAW voice coil allow good excursion with low distortion and good transient response. The basket is a stable injection molded metal, with large windows both above and below the spider, to reduce sound reflection, air flow noise and cavity resonance. An 8 liter box can give you an F3 of 54Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	50-4000	Hz	Voice coil inductance	0.76	mH
Short term max. power	250	W	Force factor	5.4	N/A
Long term max. power	60	W	Free air resonance	47	Hz
Sensitivity (1W/1m)	87	dB	Moving mass	8.2	g
			Suspension compliance	1.4	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.5	Ns/m
Voice coil height	16	mm	Effective piston area	80	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10.0	mm	Vas	12.0	Liters
Max. coil travel (p-p)	20	mm	Qms	1.70	
Magnet weight	0.42	Kg	Qes	0.48	
Total weight	1.29	Kg	Qts	0.37	

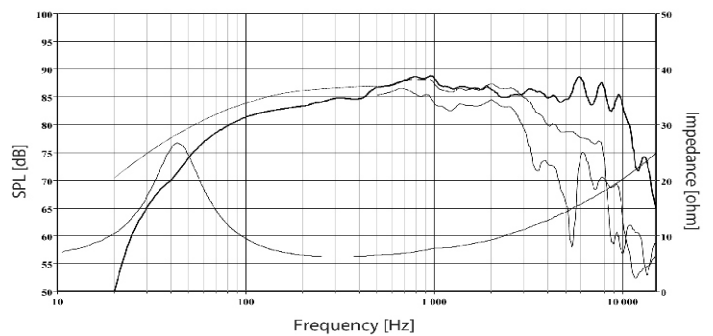


Seas ER15RLY H1455

The 5" ER15RLY features a new edge coated Reed/Paper pulp cone. The careful selection of cone, surround and spider has produced a driver with a smooth extended frequency response. The Large magnet system, together with a very long and light weight copper clad aluminum voice coil allow good excursion with low distortion and good transient response. A 0.3 cubic foot box with a 1.5" diameter vent by 5" long will give you a 3dB down point of 58Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.6	Ohms
Recom. frequency range	50-4000	Hz	Voice coil inductance	0.73	mH
Short term max. power	250	W	Force factor	5.5	N/A
Long term max. power	60	W	Free air resonance	44	Hz
Sensitivity (1W/1m)	87.5	dB	Moving mass	7.6	g
			Suspension compliance	1.7	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.43	Ns/m
Voice coil height	16	mm	Effective piston area	80	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	10	mm	Vas	15.0	Liters
Max. coil travel (p-p)	20	mm	Qms	1.55	
Magnet weight	0.42	Kg	Qes	0.41	
Total weight	1.29	Kg	Qts	0.32	

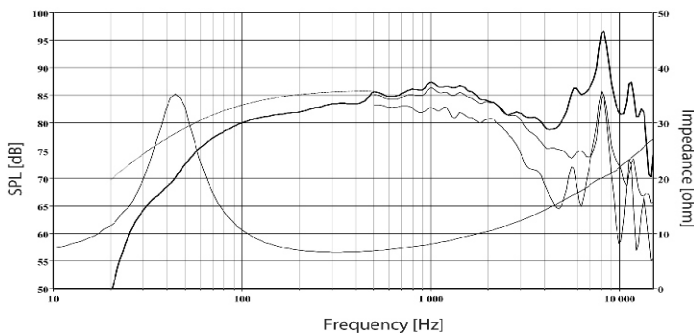


Seas L15RLY/P H1141

This 5.5" 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. Raised Spider.



Nominal Impedance	8	Ohms	Voice coil resistance	5.5	Ohms
Recom. frequency range	45-3000	Hz	Voice coil inductance	0.84	mH
Short term max. power	200	W	Force factor	5.7	N/A
Long term max. power	80	W	Free air resonance	44	Hz
Sensitivity (1W/1m)	86	dB	Moving mass	8.1	g
			Suspension compliance	1.6	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.12	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	12	Liters
Max. coil travel (p-p)	20	mm	Qms	2.10	
Magnet weight	0.42	Kg	Qes	0.43	
Total weight	1.28	Kg	Qts	0.35	

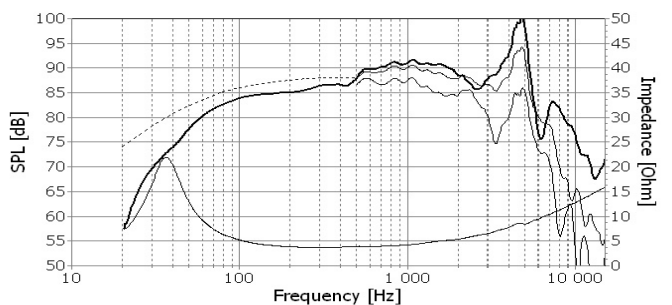


Seas L16RNX H1488-04

L16RNX is a 5" High Fidelity woofer with an injection molded metal chassis, intended for bass reflex and transmission line designs. Stiff, yet light aluminum cone and low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion associated with soft cones. A bumped back plate in the magnet system, together with the very long and light weight copper clad aluminum voice coil, allow extreme coil excursion with low distortion. A heavy copper ring below the T-shaped pole piece reduces non linear and modulation distortion.



Nominal Impedance	4	Ohms	Voice coil resistance	3.1	Ohms
Recom. frequency range	45-2000	Hz	Voice coil inductance	0.32	mH
Short term max. power	250	W	Force factor	5.4	N/A
Long term max. power	80	W	Free air resonance	37	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	14.7	g
			Suspension compliance	1.3	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.88	Ns/m
Voice coil height	18	mm	Effective piston area	104	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	16	Liters
Max. coil travel (p-p)	22	mm	Qms	2.31	
Magnet weight	0.64	Kg	Qes	0.38	
Total weight	1.80	Kg	Qts	0.33	

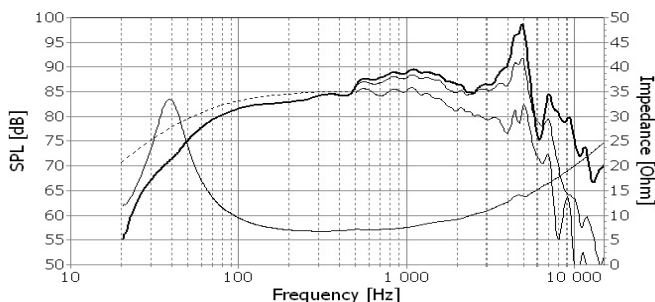


Seas L16RNX H1488-08

L16RNX is a 5" High Fidelity woofer with an injection molded metal chassis, intended for bass reflex and transmission line designs. Stiff, yet light aluminum cone and low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion associated with soft cones. A bumped back plate in the magnet system, together with the very long and light weight copper clad aluminum voice coil, allow extreme coil excursion with low distortion. A heavy copper ring below the T-shaped pole piece reduces non linear and modulation distortion.



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	45-2000	Hz	Voice coil inductance	0.48	mH
Short term max. power	250	W	Force factor	7.2	N/A
Long term max. power	80	W	Free air resonance	39	Hz
Sensitivity (1W/1m)	85	dB	Moving mass	15.3	g
			Suspension compliance	1.1	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.88	Ns/m
Voice coil height	18	mm	Effective piston area	104	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	16	Liters
Max. coil travel (p-p)	22	mm	Qms	2.08	
Magnet weight	0.64	Kg	Qes	0.44	
Total weight	1.80	Kg	Qts	0.36	

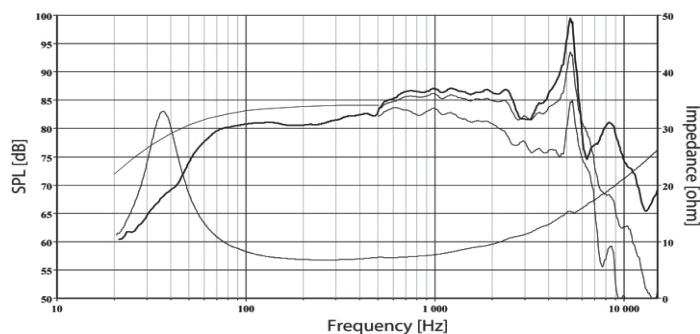


Seas L16RN-SL H1480

L16RN-SL is a 5" High Fidelity woofer with an injection molded metal chassis, intended for bass reflex and transmission line designs. Stiff, yet light aluminum cone and low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion associated with soft cones. A bumped back plate in the magnet system, together with the very long and light weight copper clad aluminum voice coil, allow extreme coil excursion with low distortion. A heavy copper ring below the T-shaped pole piece reduces non linear and modulation distortion. This woofer is used in the Linkwitz Lab Pluto speaker.



Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	45-2000	Hz	Voice coil inductance	0.68	mH
Short term max. power	250	W	Force factor	6.2	N/A
Long term max. power	80	W	Free air resonance	36	Hz
Sensitivity (1W/1m)	84	dB	Moving mass	14.8	g
			Suspension compliance	1.3	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.41	Ns/m
Voice coil height	18	mm	Effective piston area	104	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	12.0	mm	Vas	19	Liters
Max. coil travel (p-p)	22	mm	Qms	2.47	
Magnet weight	0.42	Kg	Qes	0.56	
Total weight	1.40	Kg	Qts	0.46	

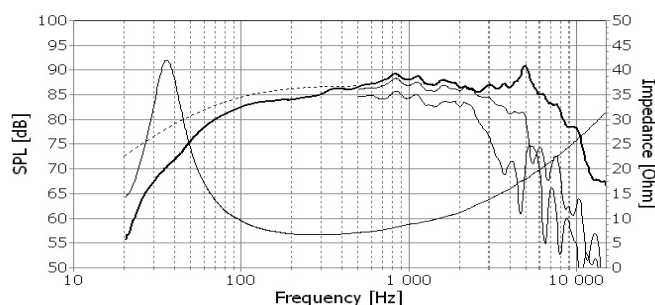


Seas U16RCY/P H1520

New Curv cone, a woven polypropylene with excellent internal damping together with perfectly matched moving parts gives a smooth, extended frequency response. A unique radial reinforced low loss rubber surround reduces radial resonances and prevents surround break up at large excursions. 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 the pole piece and increases the long term power handling capacity. Extremely stiff and stable injection moulded metal basket. Seas SpiderRing® technology.



Nominal Impedance	8	Ohms	Voice coil resistance	6.2	Ohms
Recom. frequency range	45-3000	Hz	Voice coil inductance	0.81	mH
Short term max. power	250	W	Force factor	6.3	N/A
Long term max. power	60	W	Free air resonance	36	Hz
Sensitivity (1W/1m)	87	dB	Moving mass	10.26	g
			Suspension compliance	1.9	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.11	Ns/m
Voice coil height	14	mm	Effective piston area	99	sq. cm
Air gap height	6.0	mm			
Linear coil travel (p-p)	8.0	mm	Vas	25	Liters
Max. coil travel (p-p)	20	mm	Qms	2.19	
Magnet weight	0.42	Kg	Qes	0.38	
Total weight	1.30	Kg	Qts	0.32	

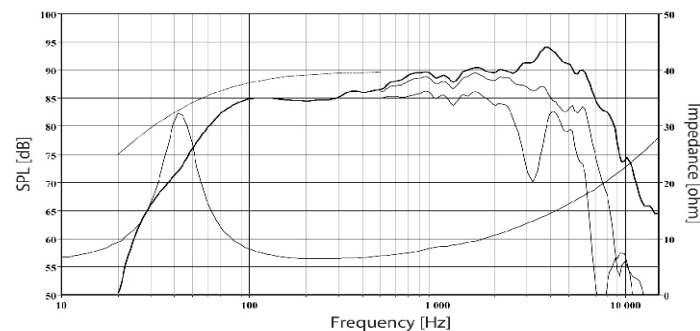


Seas CA18RLY H1217

The CA18RLY is a classical coated paper cone woofer, but with a new high tech basket. The injection molded basket features large windows and a raised spider to reduce sound reflection, air flow noise and cavity resonance. The high temperature and light weight voice coil is wound on an aluminum former. This speaker has a natural rubber surround. The higher Qts of this driver makes it suitable for a sealed box of about 1/2 to 3/4 of a cubic foot and a resulting 3dB down point of 65Hz.



Nominal Impedance	8	Ohms	Voice coil resistance	5.8	Ohms
Recom. frequency range	35-2500	Hz	Voice coil inductance	1.03	mH
Short term max. power	250	W	Force factor	5.6	N/A
Long term max. power	80	W	Free air resonance	43	Hz
Sensitivity (1W/1m)	90	dB	Moving mass	8.8	g
			Suspension compliance	1.6	mm/N
Voice Coil Diameter	26	mm	Suspension mech. resistance	1.2	Ns/m
Voice coil height	16	mm	Effective piston area	136	sq. cm
Air gap height	6	mm			
Linear coil travel (p-p)	10	mm	Vas	37	Liters
Max. coil travel (p-p)	20	mm	Qms	2.19	
Magnet weight	0.42	Kg	Qes	0.48	
Total weight	1.41	Kg	Qts	0.40	

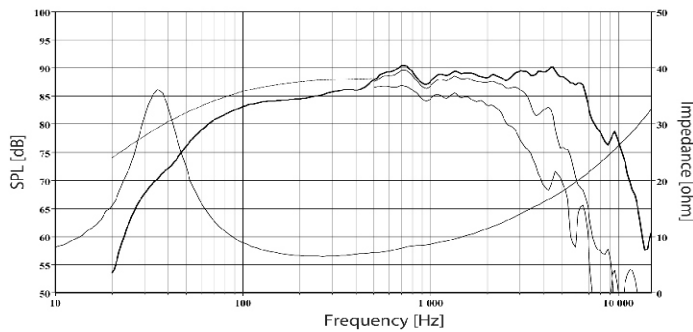


Seas CA18RNX H1215

This 7" driver was designed for use as a long throw hi-fi woofer or bass/midrange unit. The classical coated paper cone gives a smooth extended frequency response with a controlled roll off. The large magnet system provides good transient response. The bumped back plate, together with the very long and light weight copper clad aluminum voice coil allow for extreme coil excursion with low distortion. The stiff injection molded cast frame has large windows both above and below the spider, to reduce sound reflection, air noise and cavity resonance. An Fs of 45 Hz can be achieved in an 18 ltr



Nominal Impedance	8 Ohms	Voice coil resistance	5.8 Ohms
Recom. frequency range	45-3000 Hz	Voice coil inductance	1.2 mH
Short term max. power	250 W	Force factor	7.2 N/A
Long term max. power	80 W	Free air resonance	35 Hz
Sensitivity (1W/1m)	88.5 dB	Moving mass	14 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.72 Ns/m
Voice coil height	18 mm	Effective piston area	136 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	12 mm	Vas	33 Liters
Max. coil travel (p-p)	22 mm	Qms	1.90
Magnet weight	0.64 Kg	Qes	0.37
Total weight	1.91 Kg	Qts	0.31

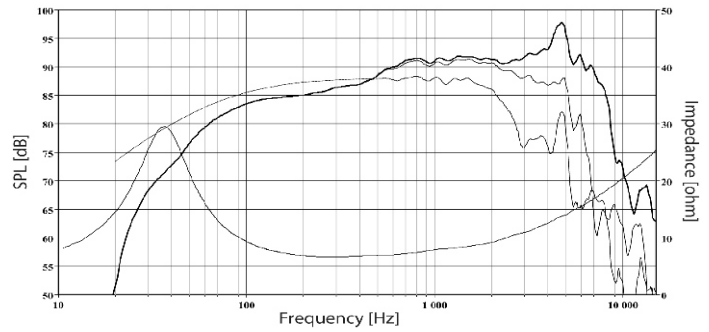


Seas ER18RNX H1456

The 7" ER18RNX features a new edge coated Reed/Paper pulp cone. The careful selection of cone, surround and spider has produced a driver with a smooth extended frequency response. The large magnet system with bumped back plate, together with a very long and light weight copper clad aluminum voice coil allow good excursion with low distortion and good transient response. A copper shorting ring in the magnet system reduces non linear on modulation distortion. A 0.65 cubic foot box with a 25" diameter vent by 6" long will give you a 3dB down point of 52Hz.



Nominal Impedance	8 Ohms	Voice coil resistance	5.9 Ohms
Recom. frequency range	45-3000 Hz	Voice coil inductance	0.67 mH
Short term max. power	250 W	Force factor	7.2 N/A
Long term max. power	80 W	Free air resonance	37 Hz
Sensitivity (1W/1m)	88.5 dB	Moving mass	14 g
		Suspension compliance	1.3 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.2 Ns/m
Voice coil height	18 mm	Effective piston area	136 sq. cm
Air gap height	6 mm		
Linear coil travel (p-p)	12 mm	Vas	32 Liters
Max. coil travel (p-p)	22 mm	Qms	1.58
Magnet weight	0.64 Kg	Qes	0.39
Total weight	1.91 Kg	Qts	0.32

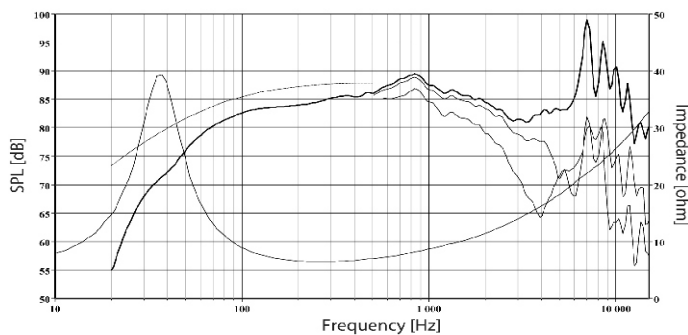


Seas L18RNX/P H1224

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. Raised Spider and bumped back plate for increased power handling and lower mechanical distortion.



Nominal Impedance	8 Ohms	Voice coil resistance	5.8 Ohms
Recom. frequency range	40-2500 Hz	Voice coil inductance	1.06 mH
Short term max. power	250 W	Force factor	7.2 N/A
Long term max. Power	100 W	Free air resonance	36 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	13.6 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.56 Ns/m
Voice coil height	18.0 mm	Effective piston area	126 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	12.0 mm	Vas	30 Liters
Max. coil travel (p-p)	22.0 mm	Qms	2.09
Magnet weight	0.64 Kg	Qes	0.36
Total weight	1.92 Kg	Qts	0.31

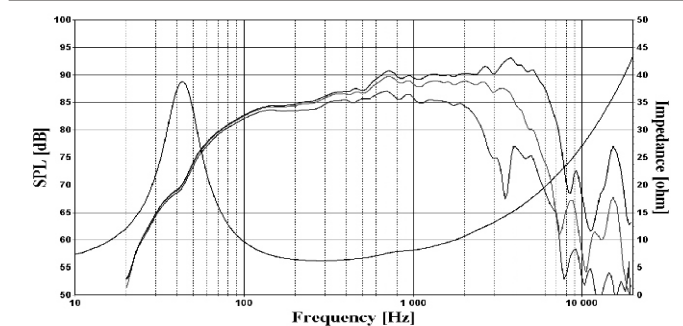


Seas P18RNX/P H1350

7" Polypropylene cone woofer, coupled with a high loss rubber surround. 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. Raised Spider and bumped back plate for increased power handling and lower mechanical distortion. This driver is an excellent choice for use in a satellite speaker or stand alone bookshelf speaker.



Nominal Impedance	8 Ohms	Voice coil resistance	5.7 Ohms
Recom. frequency range	45-3000 Hz	Voice coil inductance	1.0 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. Power	80 W	Free air resonance	43 Hz
Sensitivity (1W/1m)	89 dB	Moving mass	12.2 g
		Suspension compliance	1.12 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.46 Ns/m
Voice coil height	18.0 mm	Effective piston area	126 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	12.0 mm	Vas	24.9 Liters
Max. coil travel (p-p)	22.0 mm	Qms	2.26
Magnet weight	0.64 Kg	Qes	0.39
Total weight	1.92 Kg	Qts	0.33



Seas U18RNX/P H1571

U18RNX/P is a 6.5" High Fidelity woofer with an injection moulded metal chassis, intended for bass reflex and transmission line designs.

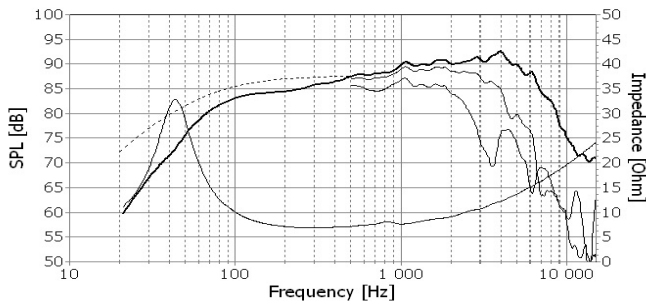
New Curv cone, a woven polypropylene with excellent internal damping together with perfectly matched moving parts gives a smooth, extended frequency response.

Bumped back plate in the magnet system, together with the very long and light weight copper clad aluminum voice coil, allow extreme coil excursion with low distortion.

In a 0.5 cubic foot box with a 2" vent by 7" long, you will have an F3 of about 55Hz.



Nominal Impedance	8 Ohms	Voice coil resistance	5.9 Ohms
Recom. frequency range	30-4000 Hz	Voice coil inductance	0.25 mH
Short term max. power	250 W	Force factor	6.9 N/A
Long term max. Power	80 W	Free air resonance	43 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	13.4 g
		Suspension compliance	1.1 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.78 Ns/m
Voice coil height	18.0 mm	Effective piston area	126 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	12.0 mm	Vas	22 Liters
Max. coil travel (p-p)	22.0 mm	Qms	2.05
Magnet weight	0.64 Kg	Qes	0.45
Total weight	1.9 Kg	Qts	0.37

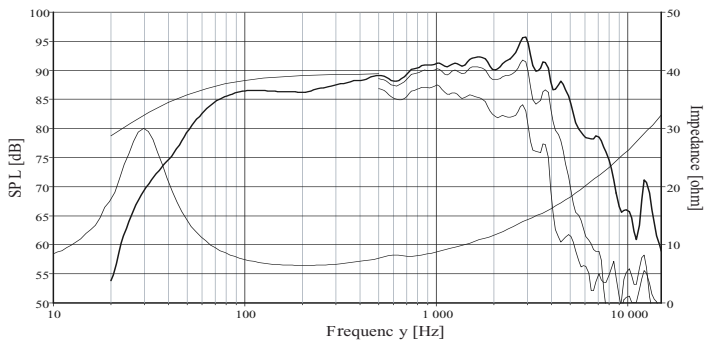


Seas CA22RNX H1288

A hand coated paper cone and matching natural rubber surround produce a well behaved roll off characteristic and reduce potential resonance problems. A long voice coil wound on an aluminum former gives low distortion and high power handling. The large magnet system provides high efficiency and good transient response. A bumped backplate in the magnet system allow maximum utilization of the long voice coil without mechanical limitation. Large windows in the basket both above and below the spider reduce sound reflections, air flow noise and cavity resonance.



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	30-3000 Hz	Voice coil inductance	1.0 mH
Short term max. power	250 W	Force factor	7.0 N/A
Long term max. power	80 W	Free air resonance	29 Hz
Sensitivity (1W/1m)	89.5 dB	Moving mass	20.9 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.05 Ns/m
Voice coil height	18 mm	Effective piston area	230 sq. cm
Air gap height	6 mm		
Linear coil travel (p-p)	12 mm	Vas	97 Liters
Max. coil travel (p-p)	26 mm	Qms	2.04
Magnet weight	0.64 Kg	Qes	0.52
Total weight	2.2 Kg	Qts	0.41

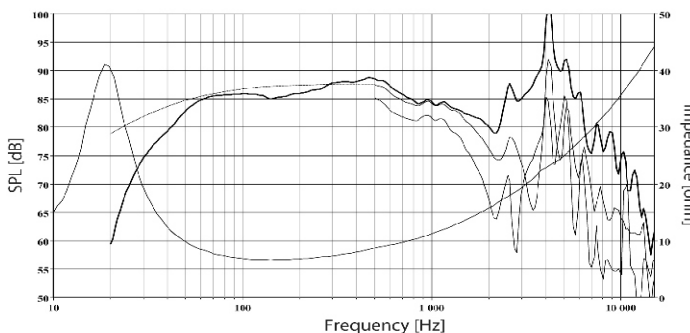


Seas L22RN4X/P H1208

The L22RN4X/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. **4 Layer Voice Coil**



Nominal Impedance	8 Ohms	Voice coil resistance	6.1 Ohms
Recom. frequency range	20-1000 Hz	Voice coil inductance	3.76 mH
Short term max. power	300 W	Force factor	10.7 N/A
Long term max. power	125 W	Free air resonance	21 Hz
Sensitivity (1W/1m)	86.5 dB	Moving mass	40 g
		Suspension compliance	1.4 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	1.76 Ns/m
Voice coil height	20 mm	Effective piston area	220 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	14.0 mm	Vas	93 Liters
Max. coil travel (p-p)	21.0 mm	Qms	3.13
Magnet weight	0.64 Kg	Qes	0.29
Total weight	2.2 Kg	Qts	0.27

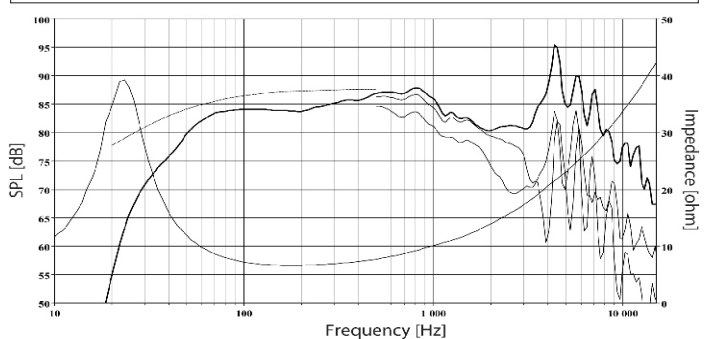


Seas L22RNX/P H1252

The L22RNX/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. **2 Layer Voice Coil**



Nominal Impedance	8 Ohms	Voice coil resistance	6.0 Ohms
Recom. frequency range	25-1000 Hz	Voice coil inductance	1.43 mH
Short term max. power	300 W	Force factor	8.15 N/A
Long term max. power	110 W	Free air resonance	23 Hz
Sensitivity (1W/1m)	88 dB	Moving mass	27 g
		Suspension compliance	1.8 mm/N
Voice Coil Diameter	39 mm	Suspension mech. resistance	2.01 Ns/m
Voice coil height	18 mm	Effective piston area	220 sq. cm
Air gap height	6.0 mm		
Linear coil travel (p-p)	12.0 mm	Vas	112 Liters
Max. coil travel (p-p)	21.0 mm	Qms	2.07
Magnet weight	0.64 Kg	Qes	0.38
Total weight	2.2 Kg	Qts	0.32



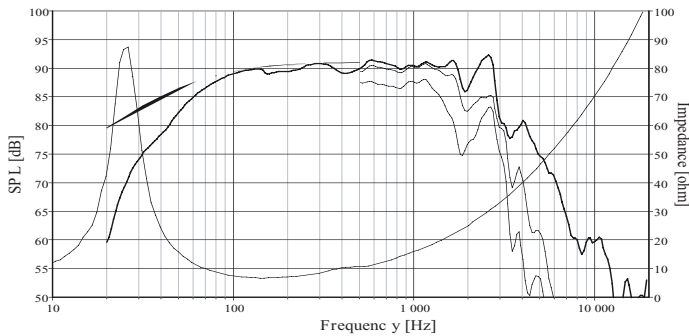
Seas CA26RE4X H1316

A classical manually coated paper cone and matching natural rubber surround produce a smooth response and reduce potential resonance problems. A **four layer voice coil** provides a well behaved roll off characteristic. A large magnet system gives good sensitivity and transient response. Extremely stiff and stable injection molded metal basket keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflection, and keep air flow noise and cavity resonance to a minimum.



39mm voice coil Ø, 4mm x-max

Nominal Impedance	8	Ohms	Voice coil resistance	6.1	Ohms
Recom. frequency range	30-1500	Hz	Voice coil inductance	3.08	mH
Short term max. power	300	W	Force factor	11.6	N/A
Long term max. power	80	W	Free air resonance	25	Hz
Sensitivity (1W/1m)	91	dB	Moving mass	38.5	g
			Suspension compliance	1.1	mm/N
Voice Coil Diameter	39	mm	Suspension mech. resistance	1.66	Ns/m
Voice coil height	14	mm	Effective piston area	350	sq. cm
Air gap height	6	mm	Vas	164	Liters
Linear coil travel (p-p)	8	mm	Qms	3.99	
Max. coil travel (p-p)	20	mm	Qes	0.30	
Magnet weight	0.64	Kg	Qts	0.28	
Total weight	2.17	Kg			

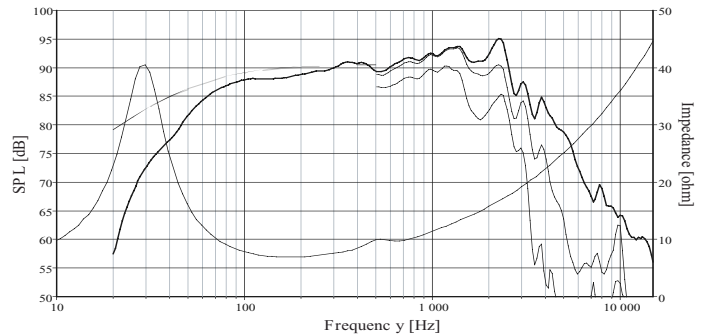


Seas CA26RFX H1305

A classical hand coated paper cone and matching natural rubber surround produce a well behaved roll off characteristic and reduce potential resonance problems. A 2" high temperature voice coil with black anodized aluminum coil former gives high power handling and reduced power compression. A large magnet system gives good sensitivity and transient response. A bumped backplate in the magnet system allow maximum excursion. Large windows in the basket both above and below the spider reduce reflection, air flow noise and cavity resonance. **51mm VC Ø, 7mm x-max**



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	30-1000	Hz	Voice coil inductance	1.95	mH
Short term max. power	300	W	Force factor	10.7	N/A
Long term max. power	100	W	Free air resonance	29	Hz
Sensitivity (1W/1m)	90.5	dB	Moving mass	36.1	g
			Suspension compliance	0.8	mm/N
Voice Coil Diameter	51	mm	Suspension mech. resistance	3.4	Ns/m
Voice coil height	20	mm	Effective piston area	350	sq. cm
Air gap height	6	mm	Vas	129	Liters
Linear coil travel (p-p)	14	mm	Qms	2.14	
Max. coil travel (p-p)	35	mm	Qes	0.40	
Magnet weight	1.3	Kg	Qts	0.34	
Total weight	4.5	Kg			

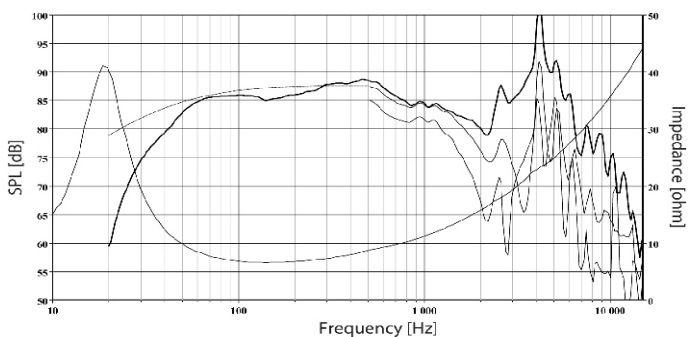


Seas L26RFX/P H1209

This 10" woofer features a light, yet stiff aluminum cone for stiffness in providing bass precision. Large windows both above and below the spider in the injection molded metal basket help reduce air flow noise, sound reflections and cavity resonance. The low loss rubber surround shows no sign of the familiar edge resonance. Cone breakup at higher frequencies need to be addressed in the crossover design. A 2" diameter high temperature voice coil with black anodized aluminum former gives high power handling and reduce compression. The phase plug helps eliminate resonances.



Nominal Impedance	8	Ohms	Voice coil resistance	6.3	Ohms
Recom. frequency range	20-1000	Hz	Voice coil inductance	1.83	mH
Short term max. power	300	W	Force factor	10.7	N/A
Long term max. power	125	W	Free air resonance	20	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	53	g
			Suspension compliance	1.2	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	171	Liters
Linear coil travel (p-p)	14.0	mm	Qms	2.15	
Max. coil travel (p-p)	35	mm	Qes	0.39	
Magnet weight	1.3	Kg	Qts	0.33	
Total weight	4.05	Kg			

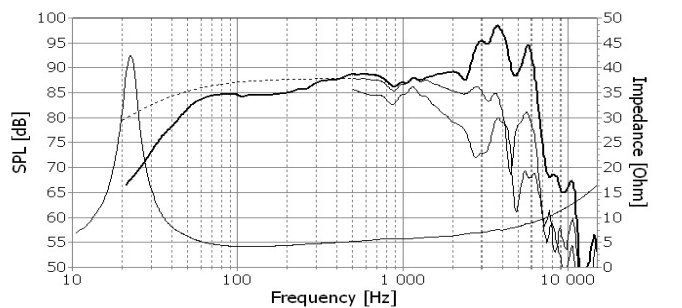


Design by Seas L26ROY

Extremely stiff and rigid aluminum cone gives tremendous bass precision. The cone and the long throw low loss rubber surround show no sign of the familiar cone edge resonance and distortion associated with soft cones. Lead-out wires symmetrically stitched to the spider to avoid resonances. Total suspension designed to assure stability for extreme excursions. Cu-cap around the pole pieces reduce non linear and modulation distortion and increase overload margin. 2-layer, extremely long, high temperature voice coil wound on an fiberglass voice coil former gives a high power handling capacity. Extra large magnet system. 14mm X-max peak



Nominal Impedance	4	Ohms	Voice coil resistance	2.1	Ohms
Recom. frequency range	20-1000	Hz	Voice coil inductance	0.53	mH
Short term max. power	500	W	Force factor	12	N/A
Long term max. power	250	W	Free air resonance	22	Hz
Sensitivity (1W/1m)	88	dB	Moving mass	107	g
			Suspension compliance	0.5	mm/N
Voice Coil Diameter	56	mm	Suspension mech. resistance	3.7	Ns/m
Voice coil height	38	mm	Effective piston area	363	sq. cm
Air gap height	10	mm	Vas	87	Liters
Linear coil travel (p-p)	28	mm	Qms	4.14	
Max. coil travel (p-p)	56	mm	Qes	0.33	
Magnet weight	2.34	Kg	Qts	0.31	
Total weight	10	Kg			



Seas SP18R H9944

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.

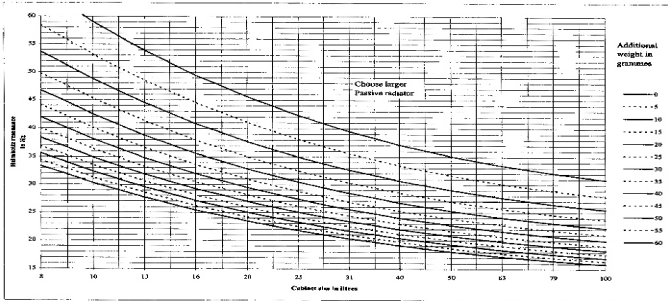
The cone is equipped with a 4mm screw to which you can easily affix added mass.

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 SP22R H9945

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.

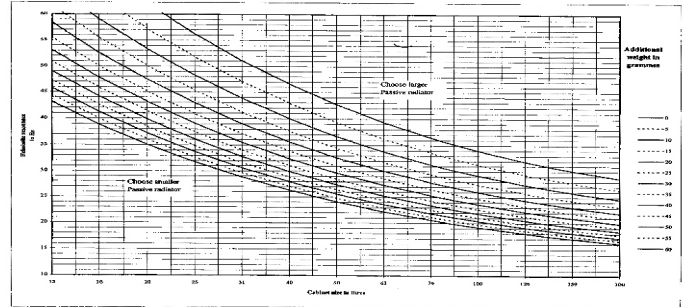
The cone is equipped with a 4mm screw to which you can easily affix added mass.

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 SP26R H9946

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.

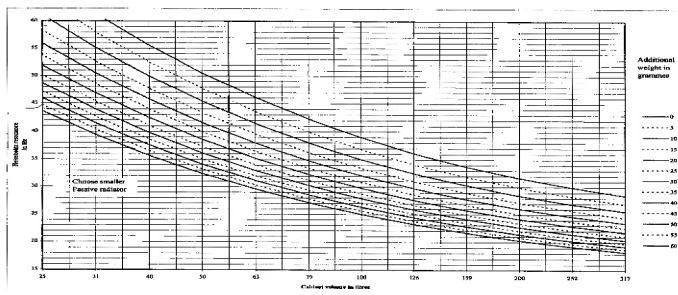
The cone is equipped with a 4mm screw to which you can easily affix added mass.

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

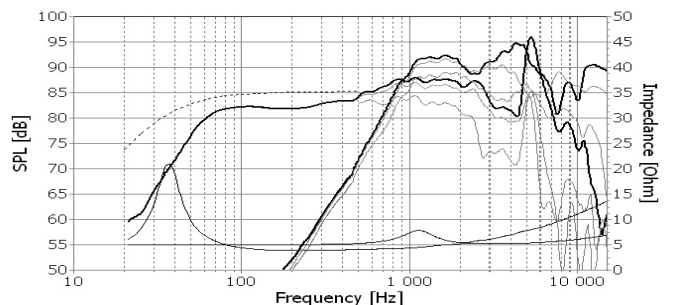


Excel C16N001/F E0051

Precision cast, machined and surface treated magnesium cone acts as a piston through the audible frequency band without any sign of midrange resonances. A unique radial reinforced rubber surround reduces resonances and prevents surround break up at large excursions. Heavy copper rings mounted above and below the T-shaped pole piece reduce non linear and modulation distortion and increase overload margin. The coaxially arranged pre-coated fabric dome high frequency unit has a low resonance frequency, and integrates with the cone driver to form a point source.



	Tweeter/Woofers		Voice coil resistance	4.8/3.2	Ohms
Nominal Impedance	6/4	Ohms	Voice coil inductance	0.05/0.27	mH
Recom. frequency range	30-25000	Hz	Force factor	2.3/4.4	N/A
Short term max. power	220/250	W	Free air resonance	1200/37	Hz
Long term max. power	90/80	W	Moving mass	0.3/14.6	g
Sensitivity (1W/1m)	90/85	dB	Suspension compliance	-1/1.3	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-1/0.9	Ns/m
Voice coil height	1.5/20	mm	Effective piston area	7.0/94	sq. cm
Air gap height	2.0/6.0	mm			
Linear coil travel (p-p)	0.5/14	mm	Vas	-/15	Liters
Max. coil travel (p-p)	-/22	mm	Qms	-/3.24	
Magnet weight	-/0.42	Kg	Qes	-/0.58	
Total weight	1.55	Kg	Qts	-/0.49	

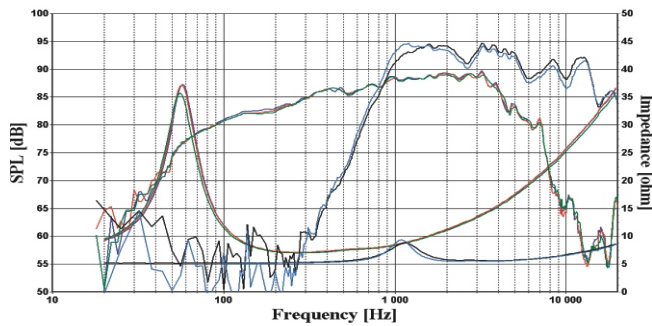


Seas T18REX/XFC H1353

A PP/TPX based cone matches ideally with an **adaptive rubber surround**. The result is an outstandingly smooth frequency response from the mid woofer. A coaxially arranged pre-coated fabric dome high frequency unit with a low resonance frequency, integrates with the cone driver to a point source. The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn. This unshielded version is ideal for smaller enclosures. F3 of 60Hz in 0.3 cubic foot enclosure with a 1.5" diameter vent by 5" long. Crossover available separately.



Tweeter/Woofers	6/8	Ohms	Voice coil resistance	4.8/6.1	Ohms
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.7	mH
Recom. frequency range	40-25000	Hz	Force factor	2.3/7.5	N/A
Short term max. power	220/250	W	Free air resonance	1200/29	Hz
Long term max. power	90/80	W	Moving mass	0.3/13.6	g
Sensitivity (1W/1m)	88.5/87	dB	Suspension compliance	-2.38	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-/-	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	-/47.9	Liters
Max. coil travel (p-p)	-/20	mm	Qms	-/1.50	
Magnet weight	-/0.64	Kg	Qes	-/0.26	
Total weight		Kg	Qts	-/0.22	

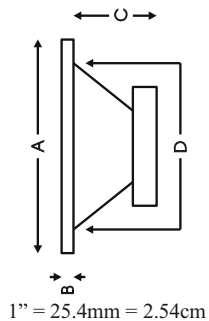
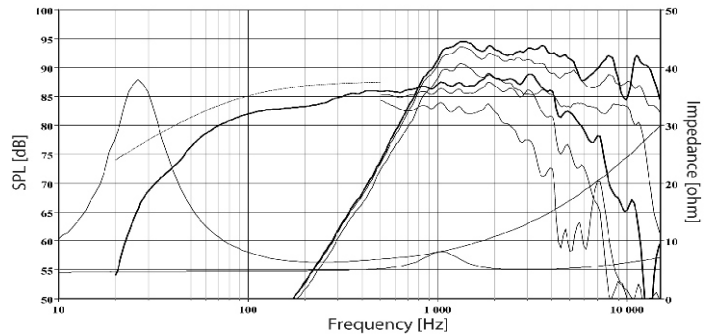


Seas T18RE/XFCTV2 H1333

A PP/TPX based cone matches ideally with an **adaptive rubber surround**. The result is an outstandingly smooth frequency response from the mid woofer. A coaxially arranged pre-coated fabric dome tweeter with a low resonance frequency, integrates with the cone driver to a point source. The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn. A compensation magnet and a shielding cup is mounted on the woofer magnet system to eliminate magnetic stray fields, hence the unit can be used very close to CRT's in audio/video applications.



Tweeter/Woofers	6/8	Ohms	Voice coil resistance	4.8/6.1	Ohms
Nominal Impedance	6/8	Ohms	Voice coil inductance	0.05/0.79	mH
Recom. frequency range	30-25000	Hz	Force factor	2.3/6.8	N/A
Short term max. power	220/250	W	Free air resonance	1200/26	Hz
Long term max. power	90/80	W	Moving mass	0.3/13.7	g
Sensitivity (1W/1m)	88.5/87	dB	Suspension compliance	-2.7	mm/N
Voice Coil Diameter	26/39	mm	Suspension mech. resistance	-/1.45	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	-/52	Liters
Max. coil travel (p-p)	-/20	mm	Qms	-/1.63	
Magnet weight	-/0.84	Kg	Qes	-/0.31	
Total weight	1.91	Kg	Qts	-/0.26	



Driver Dimensions in millimeters, from smallest to largest size. 25.4mm = 1" = 2.54cm

Unit	A mm	B mm	C mm	D mm
Tweeters				
(H0625) / (H1396)&(H1397)	60 / 53	2.1 / 0.5	18 / 21.5	45.9 / 46
(H1406) (truncated flat part 54.7mm)	70.5	4	21.6	46
(H1283), *(H1461), (H1462)	97.7	3.5	24, *30.5	73, *66
(H1210), (H1213)	103.8	3.5	28.4	74.5
(H0881), (H1147), (H1149), (H1211), (H1212), (H1189)	103.8	3.5	39.5	74.8
(H1322), H(1318), *(H1499)	103.8	6	24.5, *59.3	73
(E0040)	110.3	5.5	37.5	75
(E0006), *(E0011), (E0047)	110.4	6.3	53, *35	75
T35	130	5.5	86	42.5
Midranges and Woofers				
(E0021), (E0044), (H1207), (H1152), *(H1304)	120.4	5	58.5, *55.5	95.8
(E0015), (H1455), (H1141), (H1216), (H1262), *(E0041)	146	4.2	67.3, *75.5	112
(E0037), (E0043)	146	4.2	77	112
(E0049), (H1480), (H1488), *(H1520)	146	5	73.5, *65.5	126
E0051	146	5	80.5	126
(H9944)	176	5.2	44	145.2
(H1350), (E0018), (E0017), (H1224), (H1215), (H1217), (H1456), (H1571) *(E0042)	176	5.2	80, *81	145.2
(E0027)	176	5.2	100.3	145.2
(H1144), (H1333), *(H1353)	176	5.2	100.5, *84	145.2
F8, W8	220.6	5.5	110	186.4
(H9945)	220.6	5.5	56	186.4
(E0022), (E0045), (H1208), (H1252), (H1288)	220.6	5.5	90	186.4
(H9946)	269	5.8	65.5	232.2
(E0046), (E0026), (H1209), (H1305), *(H1316)	269	5.8	107.5, *100.5	232.2
L26ROY	269	10.5	141	236

SEAS