



ACCUTON by Thiel & Partner



New Label	Description	Ω	Fs Hz	dB	Size mm	Frequency Range	Former	Price Each
Diamond Dome Tweeters and Midranges - Available from our website www.madisound.com								
Ceramic Dome Tweeters								
C25-6-012	1" Ceramic Dome Tweeter	6	740	90	82 sq	2.5 to 32kHz	Al	\$226.00
C25-6-013	1" Ceramic Dome, Neo Magnet	6	1450	92	82 sq	2.5 to 32kHz	Al	\$312.00
C30-6-023	1.2" Ceramic Dome Tweeter	6	570	89.5	106 sq	1.8 to 28kHz	Al	\$262.00
C30-6-024	1.2" Ceramic Dome, Neo Magnet	6	930	93	82 sq	1.8 to 28kHz	Al	\$360.00
Ceramic Dome Midranges								
C50-8-044	2" Dome Midrange	8	380	89	106 sq	800Hz to 12kHz	Al	\$276.00
C90-6-078	5" Dome Midrange	6	100	88	130 sq	200Hz to 5kHz	Al	\$345.00
C90-6-079	5" Dome Midrange	6	105	87.5	130 sq	250Hz to 5kHz	Al	\$339.00
C173-6-090	6.5" Dome Mid Neo. Magnet	6	73	93.2	173 rnd	80Hz to 3.2kHz	Ti	\$907.00
Ceramic and Sandwich Cone Woofers								
C153-8-082	5" Mid/Bass	8	31.8	89	153 rnd	40Hz to 3kHz	Ti	\$266.00
C173-8-094	6.5" Mid/Bass	8	23	88.5	173 rnd	32Hz to 2.5kHz	Al	\$289.00
C173-6-095	6.5" Mid/Bass	6	33	88	173 rnd	35Hz to 2.5kHz	Ti	\$368.00
C173-6-095E	6.5" Mid/Bass, Cone Cuts	6	33	88	173 rnd	35Hz to 2.5kHz	Ti	\$388.00
C173-6-096	6.5" Mid/Bass, Neo. Magnet	6	39	94	173 rnd	40Hz to 3kHz	Ti	\$856.00
C173-6-096E	6.5" Mid/Bass, Cone Cuts	6	36	92.5	173 rnd	40Hz to 3kHz	Ti	\$909.00
C220-6-221	8" Mid/Bass	6	28	90	220 rnd	32Hz to 2kHz	Ti	\$564.00
S220-6-221	8" Woofer	6	21	89	220 rnd	31Hz to 1kHz	Ti	\$534.00
S220-6-222	8" Woofer, Neo. Magnet	6	21	92.5	220 rnd	31Hz to 1kHz	Ti	\$1083.00
S280-6-282	10" Woofer, Neo. Magnet	6	20	93	280 rnd	25Hz to 800Hz	Ti	\$1534.00

C25-6-012



- 1" CERAMIC DOME TWEETER
- 2500Hz to 32kHz
- 16mm Aluminum former
- Overhung motor
- Ferrofluid cooled
- Fabric surround
- Flange 82 x 82mm
- Cut-out 64 x 64mm
- Depth 57mm

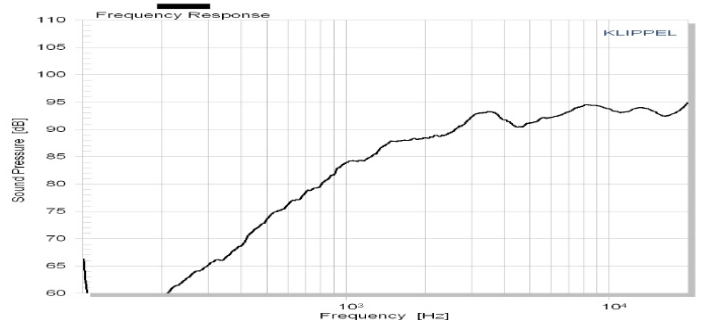
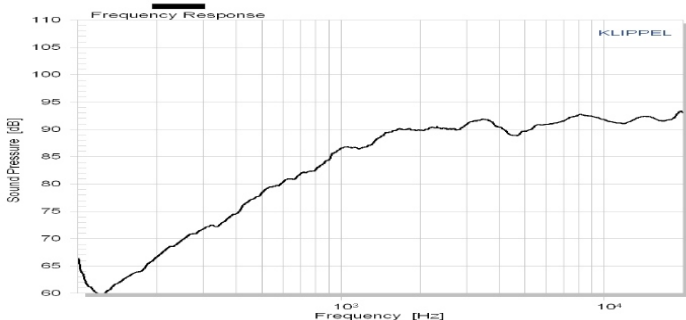
Znom	6 ohm	Sd	5.94 cm ²
Re	6.2 ohm	BL	2.35 N/A
Le@1kHz	0.02 mH	Vas	- ltrs
fs	740 Hz	Xmax	0.6 mm peak
Qms	0.55	VC Ø	16.4 mm
Qes	1.19	Sensitivity	2.83V / 1m 90 dB
Qts	0.38	Nom. Power	120 W
Mms	.23 g	Net weight	0.58 kg
Cms	0.14 mm/N		

C25-6-013



- 1" CERAMIC DOME TWEETER
- 2500Hz to 32kHz
- 16mm Aluminum former
- Neodymium magnet
- Underhung motor
- Ferrofluid cooled
- Flange 82 x 82mm
- Cut-out 64 x 64mm
- Depth 57mm

Znom	6 ohm	Sd	5.94 cm ²
Re	6.1 ohm	BL	2.47 N/A
Le@1kHz	0.02 mH	Vas	- ltrs
fs	1450 Hz	Xmax	0.15 mm peak
Qms	0.80	VC Ø	16.4 mm
Qes	1.63	Sensitivity	2.83V / 1m 92 dB
Qts	0.54	Nom. Power	120 W
Mms	0.18 g	Net weight	0.38 kg
Cms	0.07 mm/N		



C30-6-023



- 1.2" CERAMIC DOME TWEETER
- 1800Hz to 28kHz
- 19mm Aluminum former
- Overhung motor
- Ferrofluid cooled
- Fabric surround
- Flange 106 x 106mm
- Cut-out 88 x 88mm
- Depth 67.5mm

Znom	6 ohm
Re	6.3 ohm
Le@1kHz	0.03 mH
fs	570 Hz
Qms	0.65
Qes	1.07
Qts	0.40
Mms	.39 g
Cms	0.2 mm/N

Sd	8.55 cm ²
BL	2.89 N/A
Vas	- ltrs
Xmax	1.1 mm peak
VC Ø	19.4 mm
Sensitivity	2.83V / 1m 89.5 dB
Nom. Power	120 W
Net weight	1.04 k g

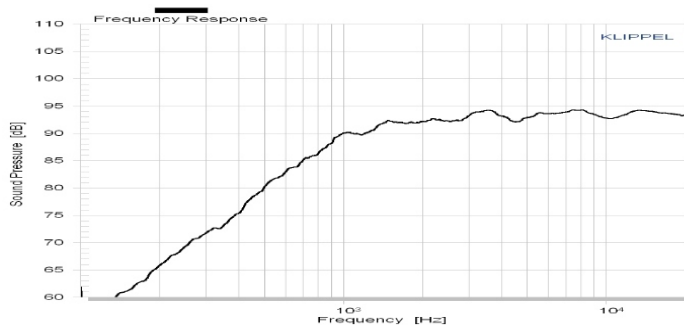
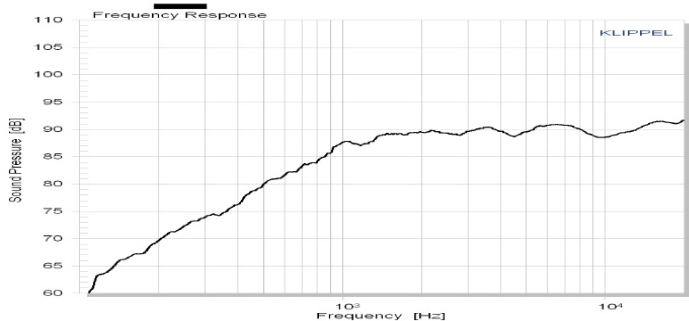
C30-6-024



- 1.2" CERAMIC DOME TWEETER
- 1800Hz to 28kHz
- 19mm Aluminum former
- **Neodymium magnet**
- **Underhung motor**
- Ferrofluid cooled
- Flange 82 x 82mm
- Cut-out 64 x 64mm
- Depth 57mm

Znom	6 ohm
Re	6.0 ohm
Le@1kHz	0.03 mH
fs	930 Hz
Qms	1.96
Qes	1.06
Qts	0.69
Mms	0.4 g
Cms	0.07 mm/N

Sd	8.55 cm ²
BL	3.64 N/A
Vas	- ltrs
Xmax	0.5 mm peak
VC Ø	19.4 mm
Sensitivity	2.83V / 1m 93 dB
Nom. Power	120 W
Net weight	0.44 k g



C50-8-044

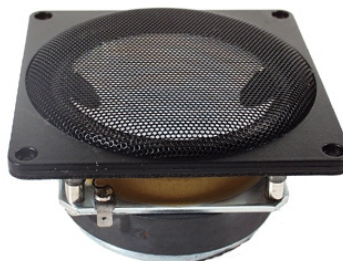


- 2" CERAMIC DOME MIDRANGE
- 800Hz to 12kHz
- 30mm Aluminum former
- Overhung motor
- Ferrofluid cooled
- Fabric surround
- Flange 106x106mm
- Cut-out 88 x 88mm
- Depth 67.5mm

Znom	8 ohm
Re	8.2 ohm
Le@1kHz	0.04 mH
fs	380 Hz
Qms	1.08
Qes	2.32
Qts	.74
Mms	1.19 g
Cms	0.15 mm/N

Sd	23.8 cm ²
BL	3.13 N/A
Vas	- ltrs
Xmax	0.75 mm peak
VC Ø	30.5 mm
Sensitivity	2.83V / 1m 89 dB
Nom. Power	100 W
Net weight	0.88 k g

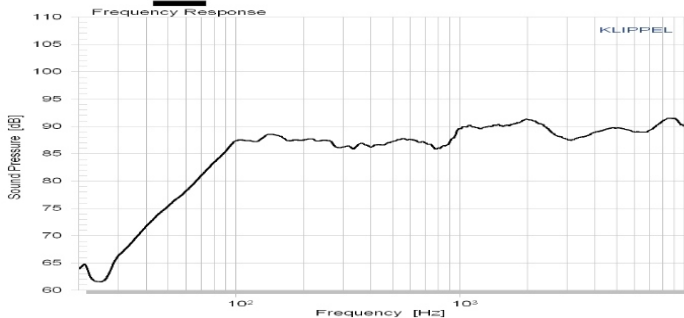
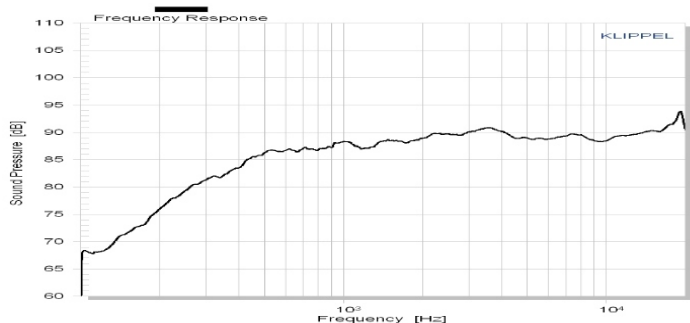
C90-6-078



- 5" CERAMIC DOME MIDRANGE
- 200Hz to 5kHz
- 38mm Aluminum former
- Overhung motor
- Vented motor system
- Fabric surround
- Flange 130x130mm
- Cut-out 111x111mm
- Depth 64.5mm

Znom	6 ohm
Re	6.4 ohm
Le@1kHz	0.18 mH
fs	100 Hz
Qms	2.4
Qes	1.52
Qts	.92
Mms	6.96 g
Cms	.36 mm/N

Sd	86 cm ²
BL	4.3 N/A
Vas	3.9 ltrs
Xmax	3 mm peak
VC Ø	38 mm
Sensitivity	2.83V / 1m 88 dB
Nom. Power	120 W
Net weight	1.8 k g

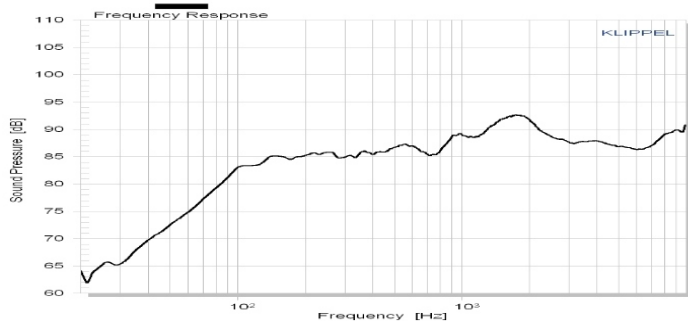


C90-6-079



- 5" CERAMIC DOME MIDRANGE
- 250Hz to 5kHz
- 38mm Aluminum former
- Overhung motor
- Vented motor system
- Inverted Fabric surround
- Flange 130x130mm
- Cut-out 111x111mm
- Depth 64.5mm

Znom	6 ohm	Sd	75 cm ²
Re	5.9 ohm	BL	3.84 N/A
Le@1kHz	0.12 mH	Vas	3.2 ltrs
fs	105 Hz	Xmax	2.6 mm peak
Qms	0.9	VC Ø	38 mm
Qes	1.52	Sensitivity	
Qts	0.57	2.83V / 1m	87.5 dB
Mms	5.7 g	Nom. Power	120 W
Cms	0.39 mm/N	Net weight	1.8 k g

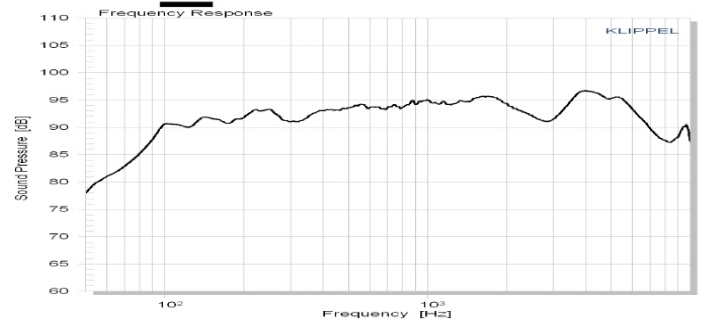


C173-6-090



- 6.5" CERAMIC MID
- 80Hz to 3.2kHz
- Neodymium magnet
- 55mm Titanium former
- Underhung voice coil
- Fabric surround
- Vented motor system
- Flange 173mm round
- Cut-out 145.6mm
- Depth 96.35mm

Znom	6 ohm	Sd	133 cm ²
Re	6.61 ohm	BL	11.6 N/A
Le@1kHz	0.19 mH	Vas	15.5 ltrs
fs	93 Hz	Xmax	5 mm peak
Qms	3.75	VC Ø	55 mm
Qes	0.26	Sensitivity	
Qts	0.26	2.83V / 1m	93 dB
Mms	14 g	Nom. Power	120 W
Cms	0.56 mm/N	Net weight	3.44 k g

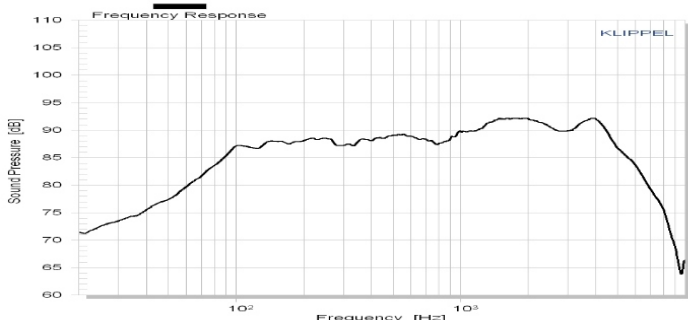


C153-8-082



- 5" CERAMIC BASS-MIDRANGE
- 40Hz to 3kHz
- 25mm Titanium Former
- Overhung motor
- Soft rubber surround
- Vented motor system
- Flange 153 mm
- Cut-out 116mm
- Depth 71mm

Znom	8 ohm	Sd	83 cm ²
Re	7.7 ohm	BL	7.4 N/A
Le@1kHz	0.68 mH	Vas	32 ltrs
fs	31.8 Hz	Xmax	5 mm peak
Qms	5.8	VC Ø	25 mm
Qes	0.21	Sensitivity	
Qts	0.20	2.83V / 1m	89 dB
Mms	7.7 g	Nom. Power	100 W
Cms	0.33 mm/N	Net weight	1.28 k g

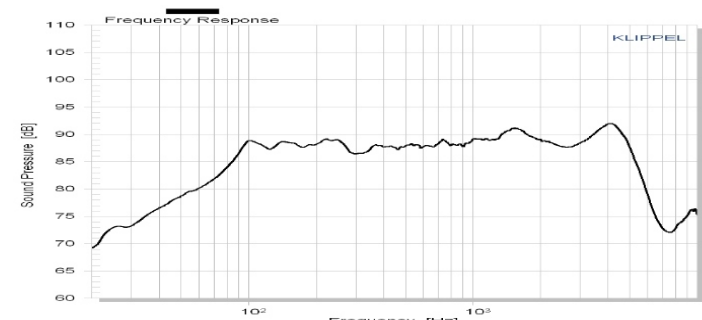


C173-8-094



- 6.5" CERAMIC MID
- Soft rubber surround
- 32Hz to 2.5kHz
- 38mm Aluminum Former
- Overhung motor
- Soft rubber surround
- Vented motor system
- Flange 173mm round
- Cut-out 145.6mm
- Depth 94.5mm

Znom	8 ohm	Sd	130 cm ²
Re	8.2 ohm	BL	9.59 N/A
Le@1kHz	0.66 mH	Vas	68 ltrs
fs	23 Hz	Xmax	5 mm peak
Qms	1.4	VC Ø	38 mm
Qes	0.21	Sensitivity	
Qts	0.19	2.83V / 1m	88.5 dB
Mms	16.3 g	Nom. Power	120 W
Cms	2.83 mm/N	Net weight	2.28 k g



C173-6-095



- 6.5" CERAMIC BASS-MIDRANGE
- 35Hz to 2.5kHz
- **38mm Titanium former**
- Overhung motor
- Soft rubber surround
- Vented motor system
- Flange 173mm
- Cut-out 145.6mm
- Depth 94.5mm

Znom	6 ohm
Re	5.8 ohm
Le@1kHz	0.7 mH
fs	33 Hz
Qms	4.9
Qes	0.29
Qts	0.27
Mms	17 g
Cms	1.35 mm/N

Sd	130 cm ²
BL	8.5 N/A
Vas	33 ltrs
Xmax	5 mm peak
VC Ø	38 mm
Sensitivity	2.83V / 1m 88 dB
Nom. Power	120 W
Net weight	2.28 kg

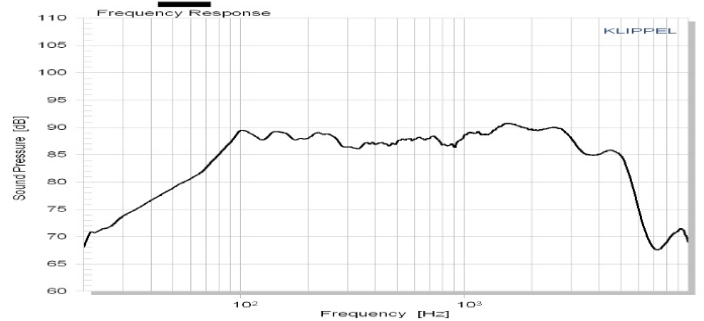
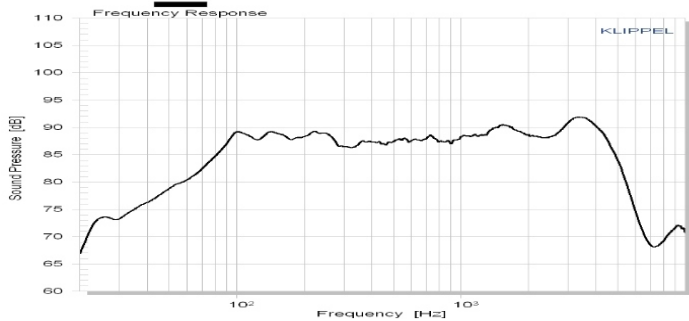
C173-6-095E



- 6.5" CERAMIC BASS-MIDRANGE
- **Cone Cuts and Fills**
- 35Hz to 2.5kHz
- **38mm Titanium former**
- Overhung motor
- Soft rubber surround
- Flange 173mm
- Cut-out 145.6mm
- Depth 94.5mm

Znom	6 ohm
Re	5.8 ohm
Le@1kHz	0.7 mH
fs	33 Hz
Qms	4.8
Qes	0.29
Qts	0.27
Mms	17.5 g
Cms	1.35 mm/N

Sd	130 cm ²
BL	8.5 N/A
Vas	33 ltrs
Xmax	5 mm peak
VC Ø	38 mm
Sensitivity	2.83V / 1m 88 dB
Nom. Power	120 W
Net weight	2.28 kg



C173-6-096



- 6.5" CERAMIC BASS-MIDRANGE
- 40Hz to 3kHz
- **Neodymium magnet**
- **Underhung motor**
- **55mm Titanium former**
- Soft rubber surround
- Flange 173mm
- Cut-out 145.6mm
- Depth 96.35

Znom	6 ohm
Re	6.61 ohm
Le@1kHz	0.25 mH
fs	39 Hz
Qms	3.9
Qes	0.18
Qts	0.17
Mms	14.5 g
Cms	1.16 mm/N

Sd	130 cm ²
BL	11.5 N/A
Vas	28 ltrs
Xmax	5 mm peak
VC Ø	55 mm
Sensitivity	2.83V / 1m 94 dB
Nom. Power	120 W
Net weight	3.44 kg

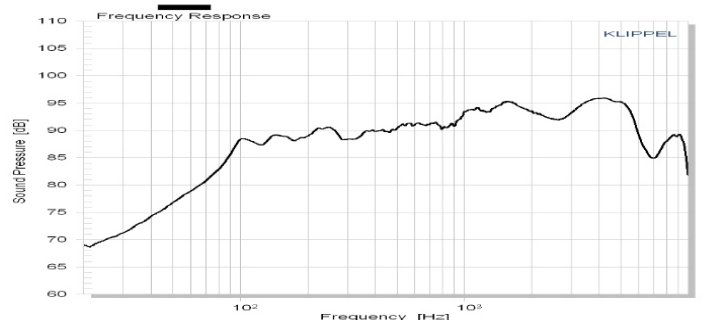
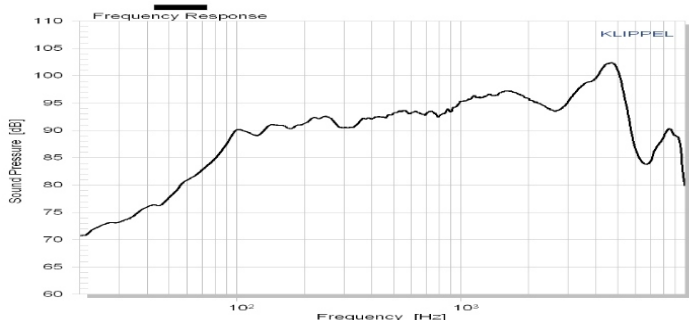
C173-6-096E



- 6.5" CERAMIC BASS/Mid w/**Cone Cuts**
- 40Hz to 3kHz
- **Neodymium magnet**
- **Underhung motor**
- **55mm Titanium former**
- Soft rubber surround
- Flange 173mm
- Cut-out 145.6mm
- Depth 96.35

Znom	6 ohm
Re	6.61 ohm
Le@1kHz	0.2 mH
fs	36 Hz
Qms	4.07
Qes	0.18
Qts	0.22
Mms	15.5 g
Cms	1.23 mm/N

Sd	130 cm ²
BL	11.5 N/A
Vas	29.8 ltrs
Xmax	5 mm peak
VC Ø	55 mm
Sensitivity	2.83V / 1m 92.5 dB
Nom. Power	120 W
Net weight	3.44 kg



C220-6-221



- 8" CERAMIC CONE WOOFER
- 32Hz to 2kHz
- Overhung motor
- **38mm Titanium former**
- Soft rubber surround
- Vented motor system
- Flange 220mm
- Cut-out 190.5mm
- Depth 105mm

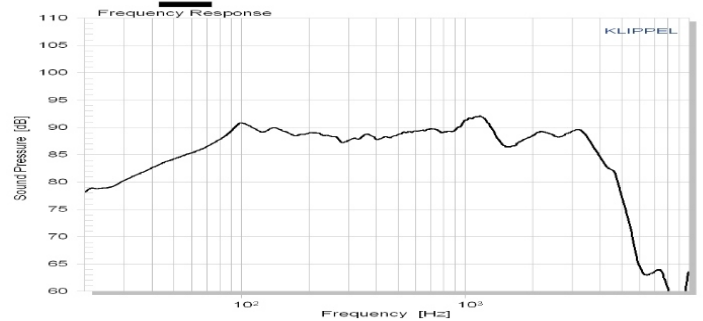
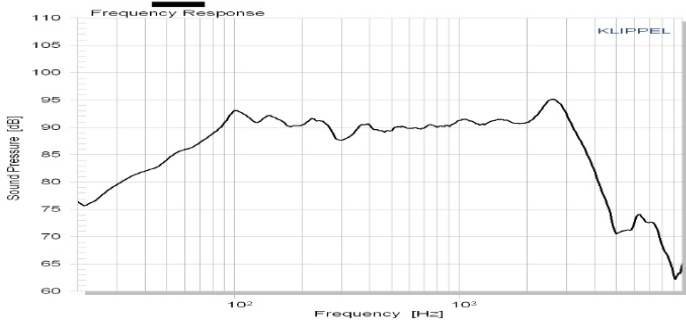
Znom	6 ohm	Sd	227 cm ²
Re	5.8 ohm	BL	8.9 N/A
Le@1kHz	0.8 mH	Vas	79 ltrs
fs	28 Hz	Xmax	5 mm peak
Qms	7.4	VC Ø	38 mm
Qes	0.39	Sensitivity	
Qts	0.37	2.83V / 1m	90 dB
Mms	30.9 g	Nom. Power	150 W
Cms	1.08 mm/N	Net weight	2.1 kg

S220-6-221



- 8" SANDWICH CONE WOOFER
- 31Hz to 1kHz
- Overhung motor
- Soft rubber surround
- **38mm Titanium former**
- Vented motor system
- Flange 220mm
- Cut-out 190.5mm
- Depth 105mm

Znom	6 ohm	Sd	227 cm ²
Re	5.8 ohm	BL	8.9 N/A
Le@1kHz	0.8 mH	Vas	116 ltrs
fs	21 Hz	Xmax	5 mm peak
Qms	6.6	VC Ø	38 mm
Qes	0.38	Sensitivity	
Qts	0.36	2.83V / 1m	89 dB
Mms	33.6 g	Nom. Power	150 W
Cms	1.63 mm/N	Net weight	2.1 kg



S220-6-222



- 8" SANDWICH CONE WOOFER
- 31Hz to 1kHz
- **Neodymium magnet**
- **Underhung motor**
- **55mm Titanium former**
- Soft rubber surround
- Flange 220mm
- Cut-out 190.5mm
- Depth 107mm

Znom	6 ohm	Sd	224 cm ²
Re	6.7 ohm	BL	11.5 N/A
Le@1kHz	0.42 mH	Vas	139 ltrs
fs	21 Hz	Xmax	5 mm peak
Qms	4.4	VC Ø	55 mm
Qes	0.21	Sensitivity	
Qts	0.20	2.83V / 1m	92.5 dB
Mms	30 g	Nom. Power	150 W
Cms	1.95 mm/N	Net weight	3.8 kg

S280-6-282



- 10" SANDWICH CONE WOOFER
- 25Hz to 800Hz
- **Neodymium magnet**
- **Underhung motor**
- **55mm Titanium former**
- Special narrow surround
- Flange 280mm
- Cut-out 251.2 mm
- Depth 131.95 mm

Znom	6 ohm	Sd	408 cm ²
Re	6.6 ohm	BL	14.1 N/A
Le@1kHz	0.64 mH	Vas	226 ltrs
fs	20 Hz	Xmax	6 mm peak
Qms	4.43	VC Ø	55 mm
Qes	0.28	Sensitivity	
Qts	0.26	2.83V / 1m	93 dB
Mms	65 g	Nom. Power	150 W
Cms	0.94 mm/N	Net weight	3.8 kg

