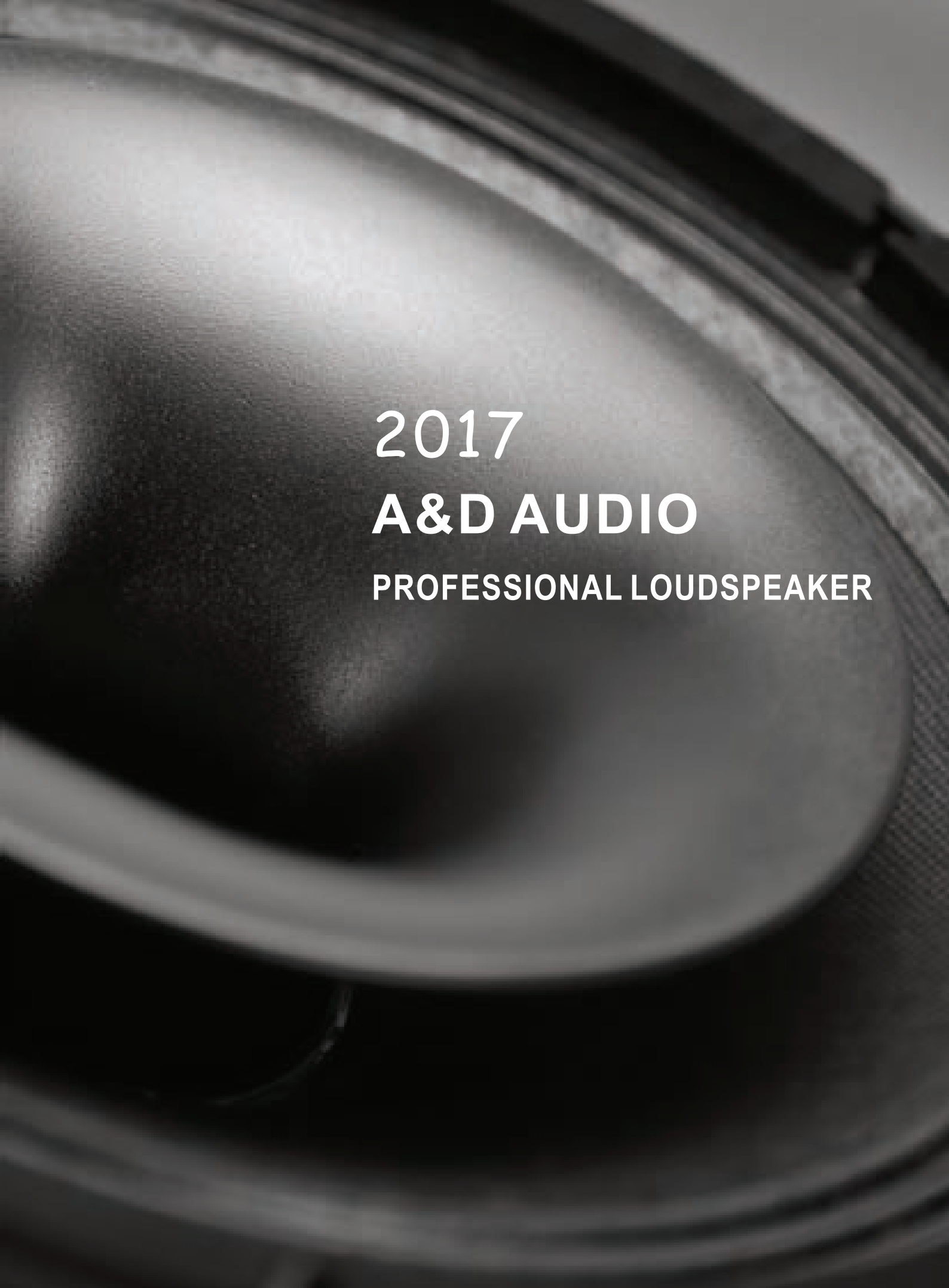
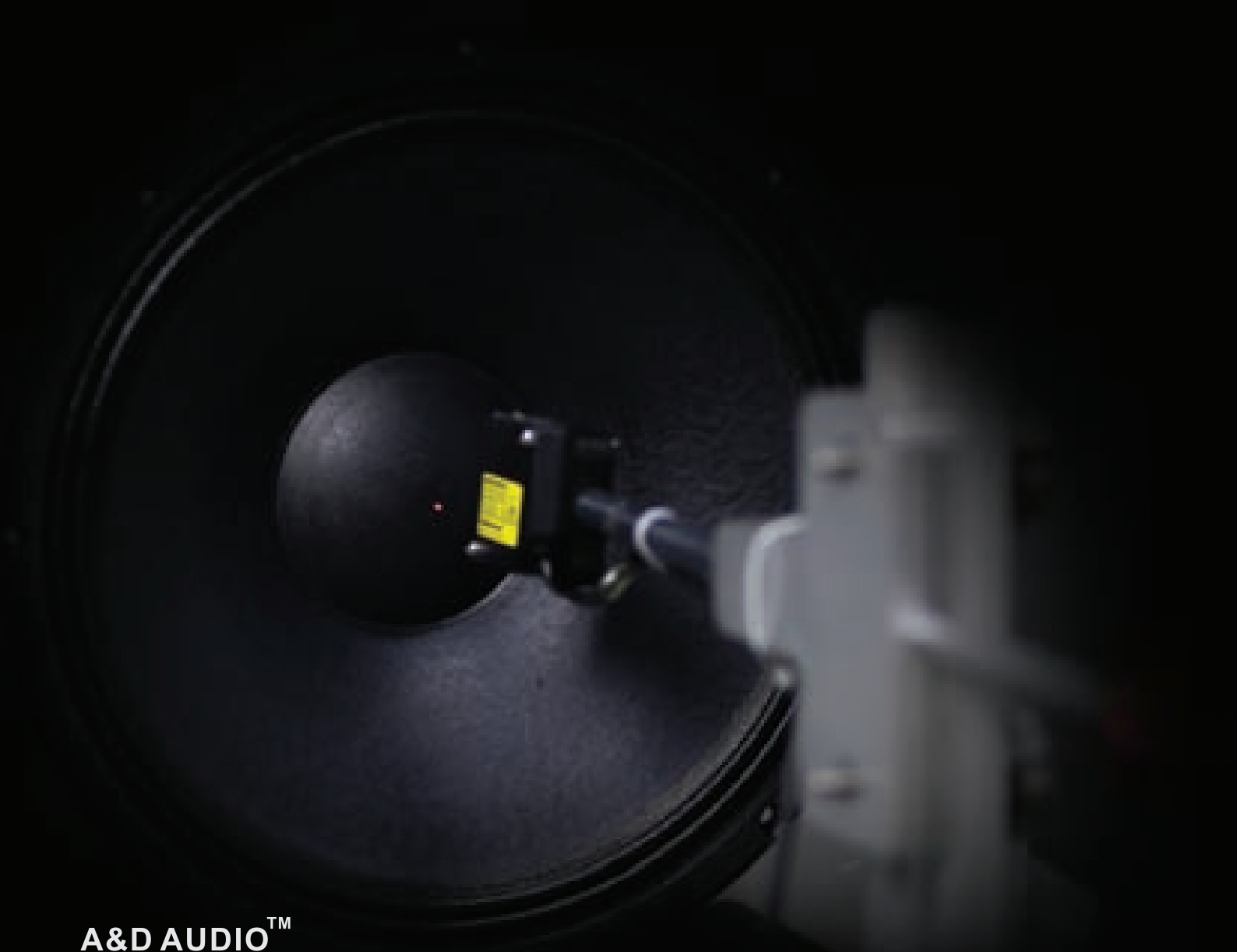


2017

A&D AUDIO

PROFESSIONAL LOUDSPEAKER



A&D AUDIO™

A & D, the"Advance and Develop"**Audio Company (HK)** is a manufacturer of professional speakers since it was established in 1990.
We set our goal on speakers representing the original music and audio as the signals existing in nature.
Lots of accumulated experience in manufacturing, a strong research and design team, and closer co-operation with our European counterparts, make ways for our company to catch up the world's later technologies.
Thanks to our laboratory, many state-of the-art software and equipments enhanced our improvement. Accurate measurement results in all the data matching its higher levels.
You may get great impression upon our product's unique designs, workmanship and excellent performance. That is because we develop our registered tooling to provide most key parts instead of purchasing from common market. With our Q.C system the strategy guarantee our products in higher level of quality.
We have been concentrating our business upon providing professional speakers to the customers who care quality as their priority than others. The remarkable performance of our products with great reliability and stability left most factories behind, wins most of our clients' respect.
All of speakers contribute from **A & D** are ideal professional products. We provide after- sell service worldwide. **A & D** is a business partner that you can trust and rely on.

A&D Audio Co.是專業揚聲器制造廠商，成立于1990年。

我們的使命是使我們的專業揚聲器重現天籟。各系列專業音箱所需的高中低音齊備，在海内外市場極備推崇。

不斷累積的生産經驗，極具創意的開發團隊，功能完備的實驗室配合世界級的最先進測試儀器，加上和歐洲伙伴的緊密合作，使我們公司得以以緊貼世界最先進的科技，生産性能優越的專業單元，在行内保持領先地位。

我們一直專注設計，改良和生産專業單元。以自行開發的關鍵主件代替一般的市場采購，配合嚴格的品質控制，使我們的專業單元的卓越品質及穩定性無可置疑。

A&D貢獻專業單元同時，也提供周全的售後服務，是你可以信賴的供應商和合作伙伴。

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Carbon Cone

Carbon Cone series.
Carbon fiber, the real rigid but actual light in weight material using in speaker cone makes the **Carbon Cone Speaker** performing excellent, especially in sub-woofer.
Usually the higher power output creates higher air pressure upon the cone surface, caused the cone surface changing its shape, dividing the cone into many phrases that reduced the power output, also resulted extra distortion. But the use of **Carbon Cone** can fix the technical difficulties easily. It provides a very rich and clear original sound and spreading the sound fast than paper cone.
Our Carbon Cone Speakers include **neodymium** and traditional **ferrite** with two kinds of surrounding edges: rubber roll surrounding and cloth roll surrounding (edge). Neodymium speakers have higher sensitivity and great power output. The rubber roll surrounding edge makes the sound soft and enhanced the reduction of distortion.

碳纤维系列
碳纤维它有质量轻、刚性强、声音传播速度快的优点，用碳纤维做的超低音扬声器有极好的表现，在超低音箱里，它能改善大功率输出下产生巨大气压对振盆造成的扭曲变形，大大降低失真，因而让低频输出非常饱满、干净和速度快，与纸盆截然不同，是非常理想的超低音单元。
目前碳纤维超低音扬声器有钕铁硼和铁氧体，布边和橡胶边，钕铁硼的扬声器重量轻，灵敏度高，承受功率大。橡胶边的扬声器低频更柔和，失真更低。

NEODYMIUM

SUBWOOFER

AD804

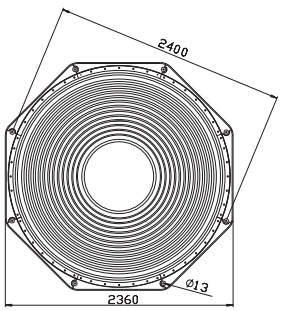
80"	20~200Hz	5000W	105dB
Nominal diameter	Frequency range	Power handling capacity	Sensitivity (1W/1m)

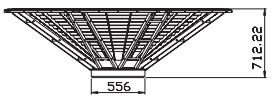
Specifications

Model		AD804
Nominal diameter	in.	80
Power handling capacity	W(AES)	5000
Max power	Watts	10000
Nominal impedance	Ω	4
Sensitivity (1W/1m)	dB	105
Frequency range	Hz	20-200
Voice coil diameter	mm/in	500/19.7
Fs	Hz	11
Re	Ω	4.0
Qms		7.95
Qes		0.2
Qts		0.2
Vas	L	42029
Mms	gr	10350
Cms	mm/N	0.02
BL	Tm	110.0
Le	mH	5.6
Xmax	mm	15.0
nO	%	6.80
Sd	cm^2	35632
Overall diameter	mm	2360
Bolt circle diamete	mm	2400
Baffle cut-out diameter	mm	2320
Overall depth	mm	720
Net weight	Kg	210

- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Dimension Drawings





A&D AUDIO™

NEODYMIUM
SUBWOOFER

AD502

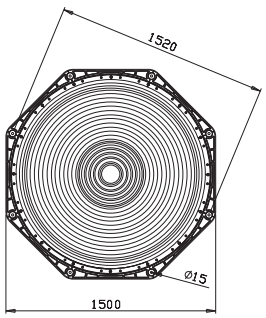
50"	25~200Hz	3000W	102dB
Nominal diameter	Frequency range	Power handling capacity	Sensitivity (1W/1m)

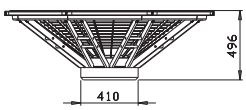
Specifications

Model		AD502
Nominal diameter	in.	50
Power handling capacity	W(AES)	3000
Max power	Watts	6000
Nominal impedance	Ω	4
Sensitivity (1W/1m)	dB	102
Frequency range	Hz	25-200
Voice coil diameter	mm/in	345/13.6
Fs	Hz	14
Re	Ω	3.8
Qms		12.00
Qes		0.36
Qts		0.35
Vas	L	4644
Mms	gr	4294
Cms	mm/N	0.02
BL	Tm	65.0
Le	mH	3.20
Xmax	mm	15.0
nO	%	5.80
Sd	cm^2	13478
Overall diameter	mm	1500
Bolt circle diamete	mm	1520
Baffle cut-out diameter	mm	1400
Overall depth	mm	500
Net weight	Kg	120

- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Dimension Drawings

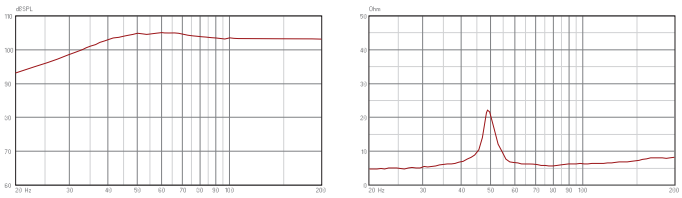




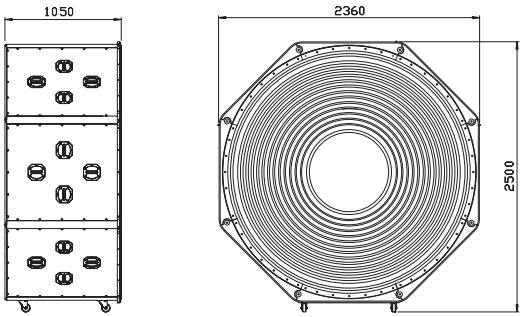
X804

Model		X804
Nominal diameter	in.	80
Power handling capacity	W(AES)	5000
Program power	Watts	10000
Nominal impedance	Ω	4
Sensitivity (1W/1m)	dB	105
Frequency range	Hz	20-100
Rated Maximnm SPL at 1 m	dB	135
Dimensions H x W x D	mm	2500x2360x1050
Net weight	Kg	430

Frequency Response and Impedance Magnitude Curve



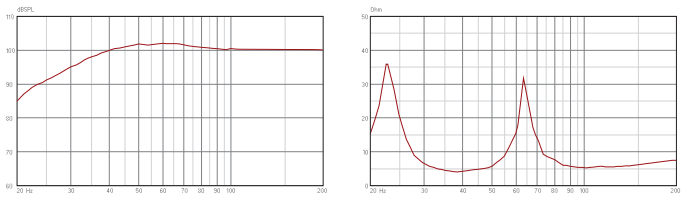
Dimension Drawings



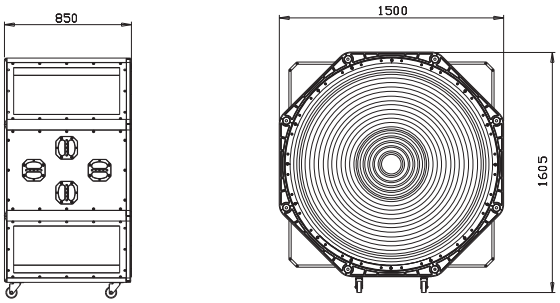
X502

Model		X502
Nominal diameter	in.	50
Power handling capacity	W(AES)	3000
Program power	Watts	6000
Nominal impedance	Ω	4
Sensitivity (1W/1m)	dB	102
Frequency range	Hz	25-100
Rated Maximnm SPL at 1 m	dB	135
Dimensions H x W x D	mm	1605x1500x850
Net weight	Kg	260

Frequency Response and Impedance Magnitude Curve



Dimension Drawings



NEODYMIUM
SUBWOOFER

SCD21H2002

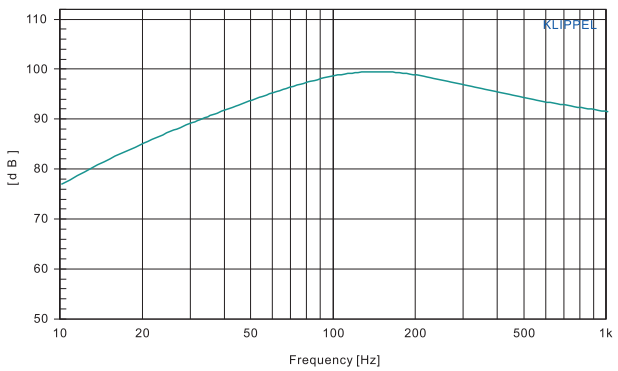
- 4000 Watt Max Power •
- 150.6mm(6inch) voice coil •
- 30Hz to 200Hz frequency response •
- 99dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •

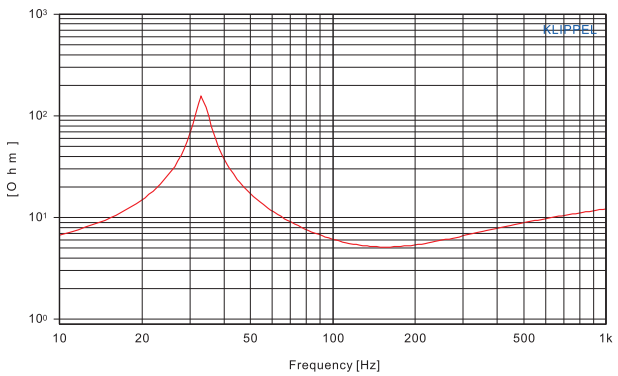
Specifications

Model		SCD21H2002
Nominal diameter	in.	21
Power handling capacity	W(AES)	2000
Max power	Watts	4000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	99
Frequency range	Hz	30-200
Voice coil diameter	mm/in	150.6/6
Fs	Hz	33
Re	Ω	4.5
Qms		10.9
Qes		0.31
Qts		0.30
Vas	L	204
Mms	gr	425
Cms	mm/N	0.05
BL	Tm	36
Le	mH	1
Xmax	mm	11
nO	%	2.2
Sd	cm^2	1626
Overall diameter	mm	534
Bolt circle diamete	mm	548
Baffle cut-out diameter	mm	496
Overall depth	mm	245
Net weight	Kg	18

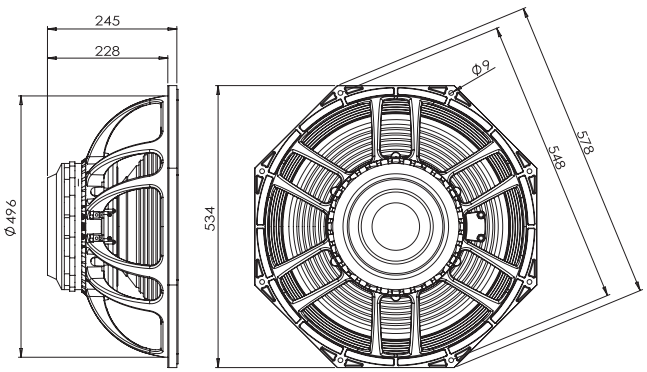
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB21H2002

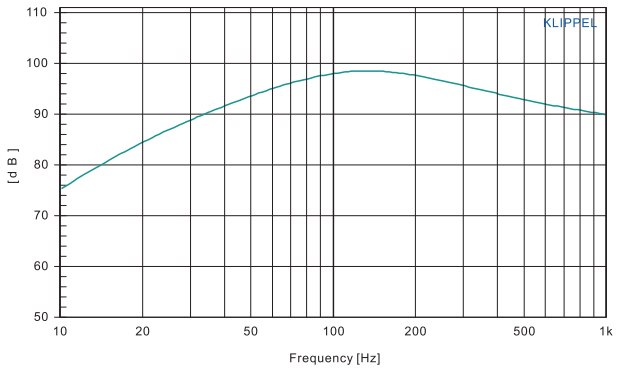
- 4000 Watt Max Power
- 150.6mm(6inch) voice coil
- 30Hz to 200Hz frequency response
- 98dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone

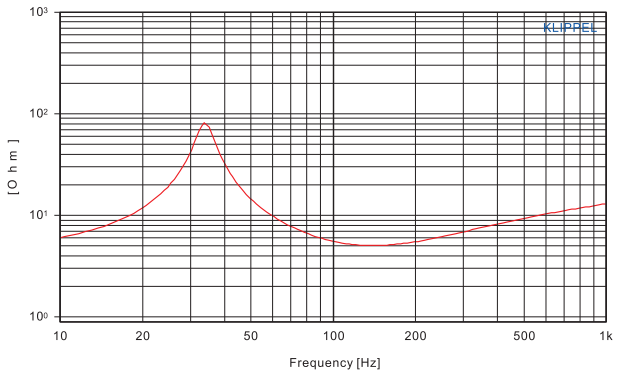
Specifications

Model		SCB21H2002
Nominal diameter	in.	21
Power handling capacity	W(AES)	2000
Max power	Watts	4000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	30-200
Voice coil diameter	mm/in	150.6/6
Fs	Hz	33
Re	Ω	4.5
Qms		10.6
Qes		0.36
Qts		0.35
Vas	L	204
Mms	gr	425
Cms	mm/N	0.05
BL	Tm	33
Le	mH	1
Xmax	mm	11
nO	%	2
Sd	cm^2	1626
Overall diameter	mm	534
Bolt circle diamete	mm	548
Baffle cut-out diameter	mm	496
Overall depth	mm	247
Net weight	Kg	24.6

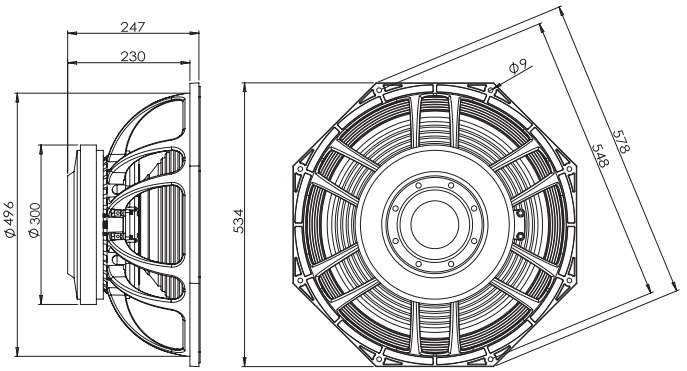
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

SUBWOOFER

SCD21L1202

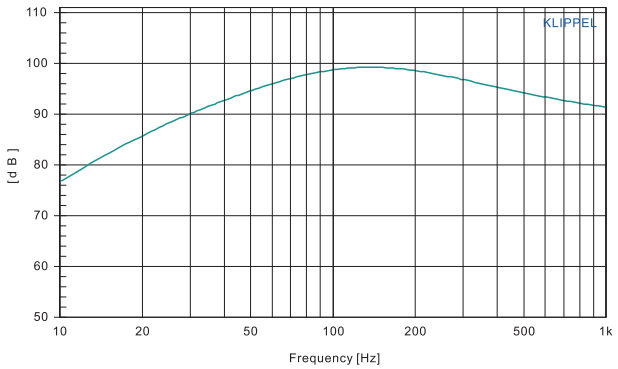
- 2400 Watt Max Power •
- 125mm(5inch) voice coil •
- 32Hz to 200Hz frequency response •
- 98.5 dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •

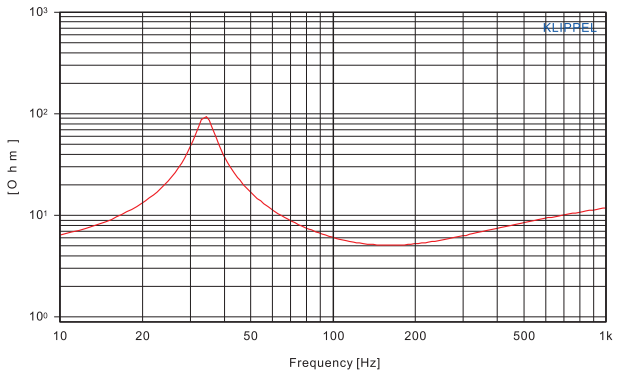
Specifications

Model		SCD21L1202
Nominal diameter	in.	21
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98.5
Frequency range	Hz	32-200
Voice coil diameter	mm/in	125/5
Fs	Hz	34
Re	Ω	4.5
Qms		9.86
Qes		0.35
Qts		0.34
Vas	L	211
Mms	gr	385
Cms	mm/N	0.06
BL	Tm	32.4
Le	mH	1
Xmax	mm	11
nO	%	2.3
Sd	cm^2	1626
Overall diameter	mm	534
Bolt circle diamete	mm	548
Baffle cut-out diameter	mm	496
Overall depth	mm	245
Net weight	Kg	14.5

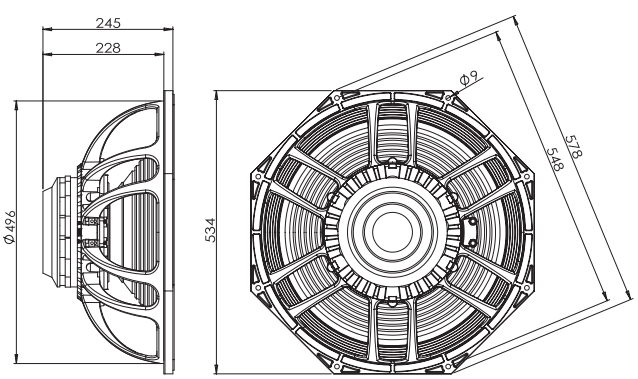
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB21L1202

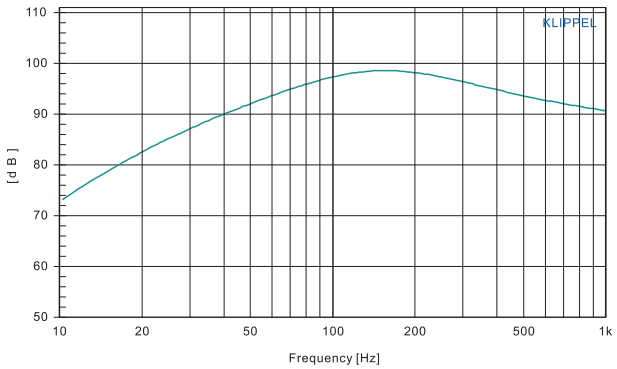
- 2400 Watt Max Power
- 125mm(5inch) voice coil
- 32Hz to 200Hz frequency response
- 98dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone

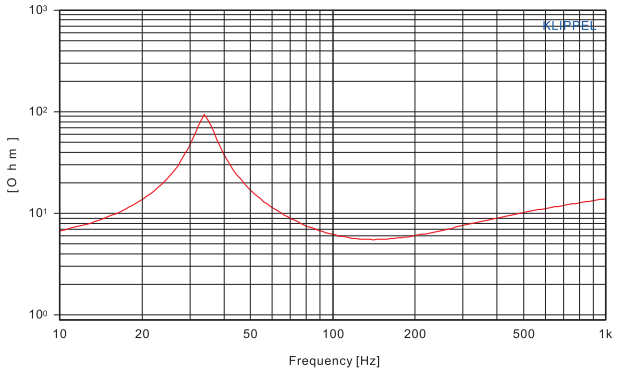
Specifications

Model		SCB21L1202
Nominal diameter	in.	21
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	32-200
Voice coil diameter	mm/in	125/5
Fs	Hz	34
Re	Ω	4.5
Qms		9.50
Qes		0.40
Qts		0.38
Vas	L	211
Mms	gr	385
Cms	mm/N	0.06
BL	Tm	30.5
Le	mH	1
Xmax	mm	11
nO	%	2.2
Sd	cm^2	1626
Overall diameter	mm	534
Bolt circle diamete	mm	548
Baffle cut-out diameter	mm	496
Overall depth	mm	247
Net weight	Kg	21.5

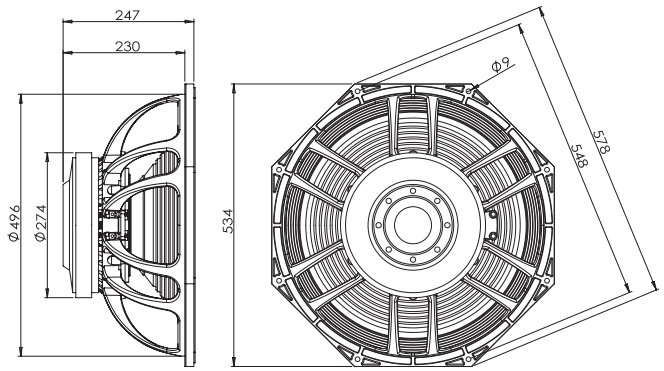
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM
SUBWOOFER

SCD18H2002

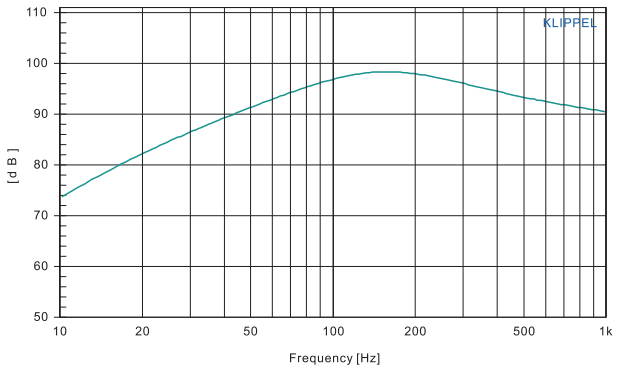
- 4000 Watt Max Power •
- 150.6mm(6inch) voice coil •
- 36Hz to 200Hz frequency response •
- 98dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •

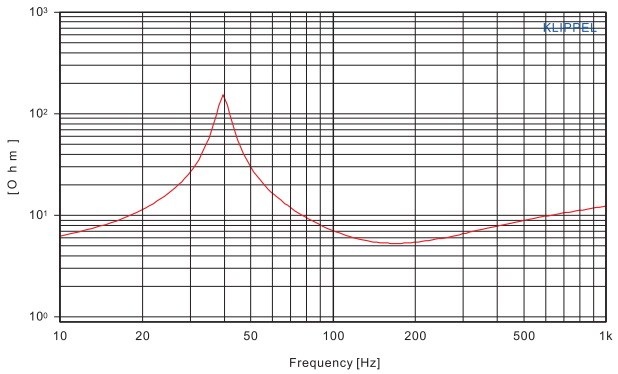
Specifications

Model		SCD18H2002
Nominal diameter	in.	18
Power handling capacity	W(AES)	2000
Max power	Watts	4000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	36-200
Voice coil diameter	mm/in	150.6/6
Fs	Hz	39
Re	Ω	4.5
Qms		10.5
Qes		0.28
Qts		0.27
Vas	L	106
Mms	gr	330
Cms	mm/N	0.05
BL	Tm	36
Le	mH	1
Xmax	mm	11
nO	%	2.1
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	215
Net weight	Kg	17.6

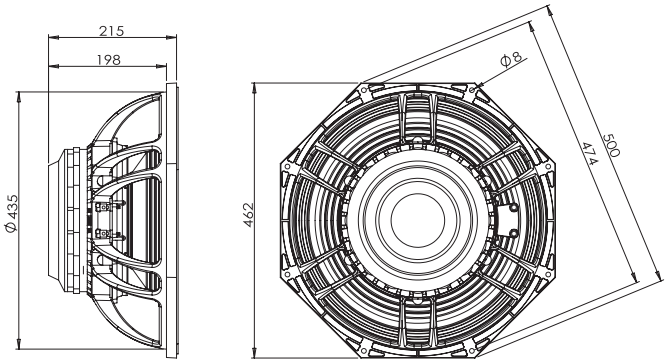
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB18H2002

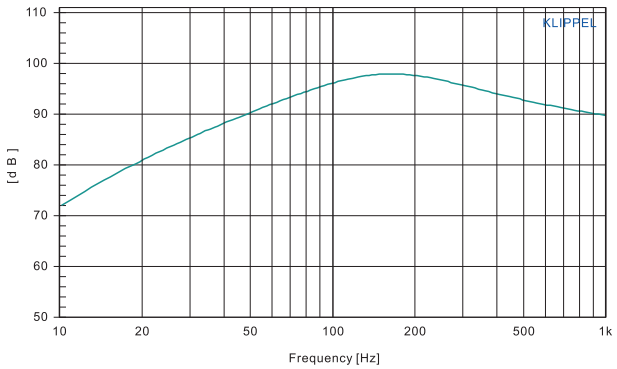
- 4000 Watt Max Power
- 150.6mm(6inch) voice coil
- 36Hz to 200Hz frequency response
- 97dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone

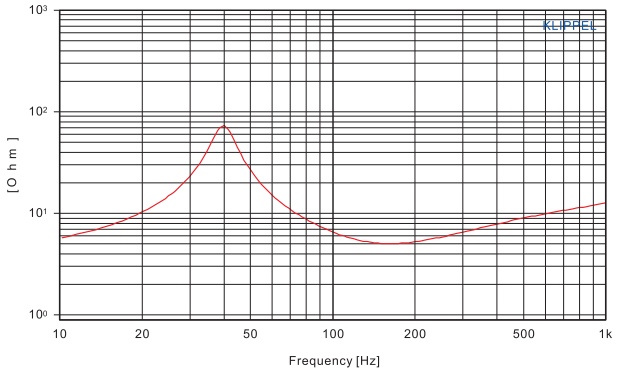
Specifications

Model		SCB18H2002
Nominal diameter	in.	18
Power handling capacity	W(AES)	2000
Max power	Watts	4000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	36-200
Voice coil diameter	mm/in	150.6/6
Fs	Hz	39
Re	Ω	4.5
Qms		8.46
Qes		0.33
Qts		0.32
Vas	L	106
Mms	gr	330
Cms	mm/N	0.05
BL	Tm	33
Le	mH	1
Xmax	mm	11
nO	%	2
Sd	cm ^ 2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	217
Net weight	Kg	24

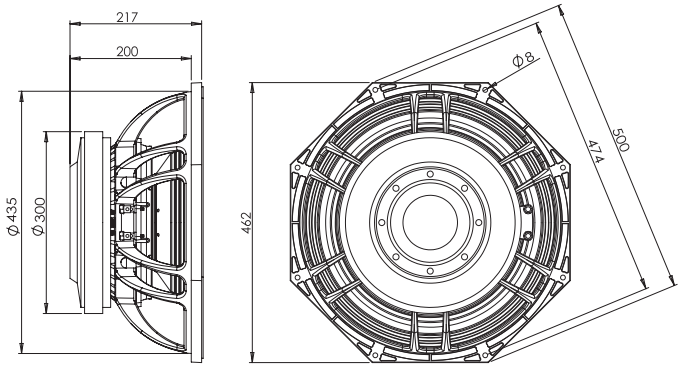
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM
SUBWOOFER

SCD18L1202

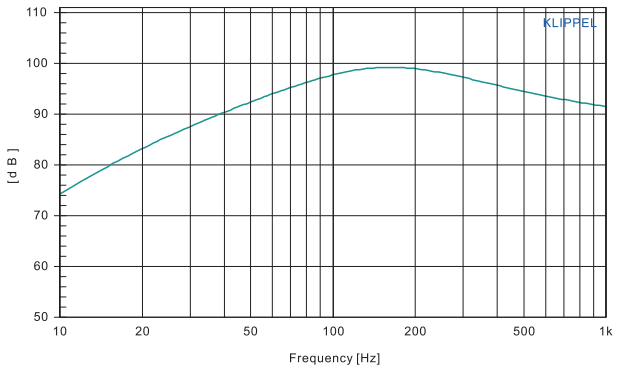
- 2400 Watt Max Power •
- 125mm(5inch) voice coil •
- 36Hz to 200Hz frequency response •
- 98.5dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •

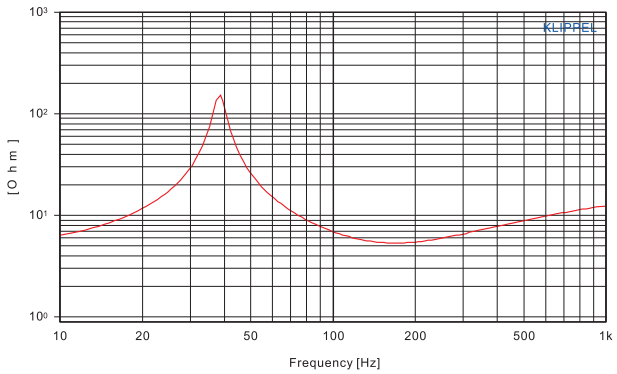
Specifications

Model		SCD18L1202
Nominal diameter	in.	18
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98.5
Frequency range	Hz	36-200
Voice coil diameter	mm/in	125/5
Fs	Hz	38
Re	Ω	4.5
Qms		6.30
Qes		0.30
Qts		0.28
Vas	L	127
Mms	gr	290
Cms	mm/N	0.06
BL	Tm	32.4
Le	mH	0.9
Xmax	mm	11
nO	%	2.2
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	215
Net weight	Kg	14

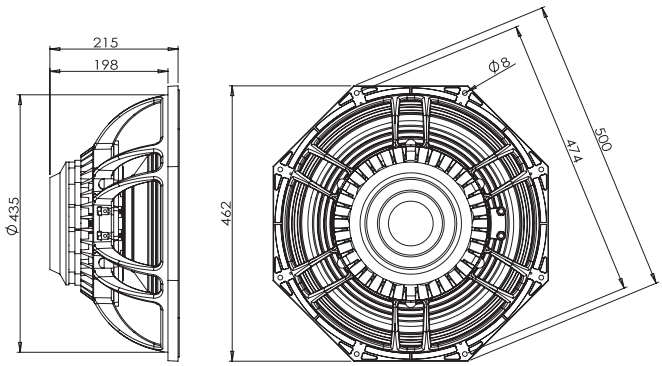
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB18L1202

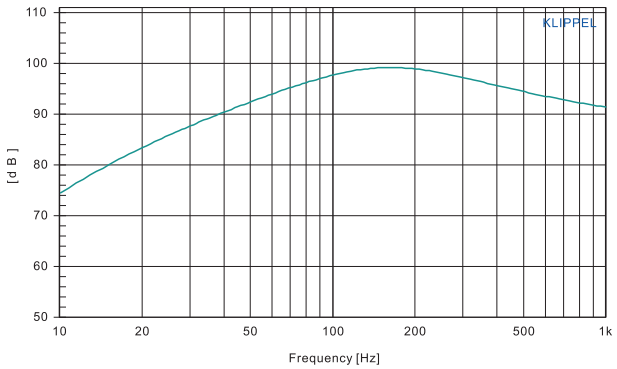
- 2400 Watt Max Power
- 125mm(5inch) voice coil
- 36Hz to 200Hz frequency response
- 98dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone

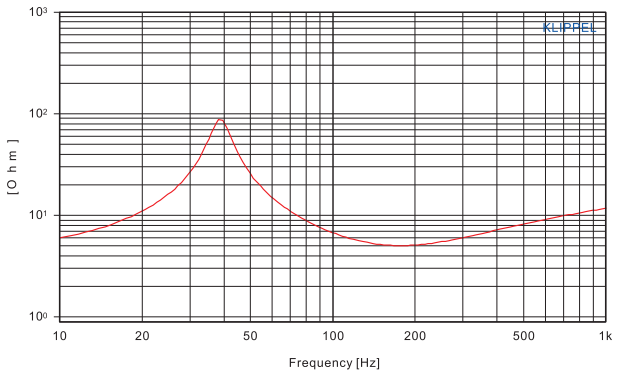
Specifications

Model		SCB18L1202
Nominal diameter	in.	18
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	36-200
Voice coil diameter	mm/in	125/5
Fs	Hz	38
Re	Ω	4.5
Qms		6.40
Qes		0.34
Qts		0.32
Vas	L	127
Mms	gr	290
Cms	mm/N	0.06
BL	Tm	30.5
Le	mH	0.9
Xmax	mm	11
nO	%	2
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	217
Net weight	Kg	20.8

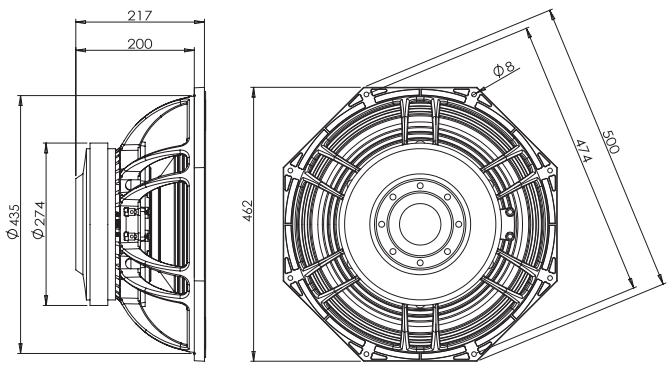
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM
SUBWOOFER

SCD18L1202XL

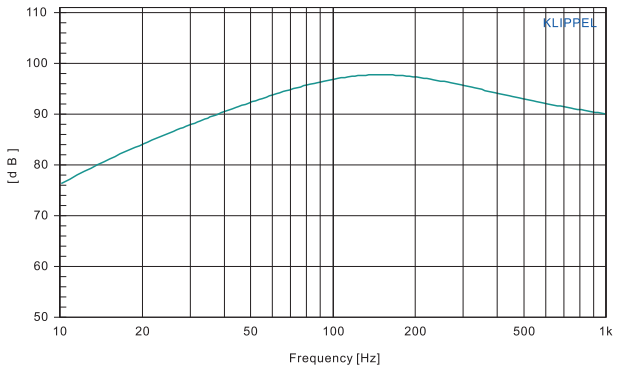
- 2400 Watt Max Power •
- 125mm(5inch) voice coil •
- 32Hz to 200Hz frequency response •
- 97 dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •
- Rubber roll surround •

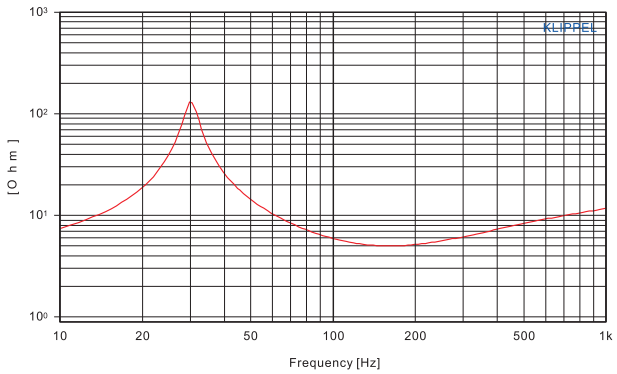
Specifications

Model		SCD18L1202XL
Nominal diameter	in.	18
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	32-200
Voice coil diameter	mm/in	125/5
Fs	Hz	30
Re	Ω	4.5
Qms		8.79
Qes		0.31
Qts		0.30
Vas	L	154
Mms	gr	384
Cms	mm/N	0.07
BL	Tm	32.4
Le	mH	0.9
Xmax	mm	11
nO	%	1.2
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	215
Net weight	Kg	14.5

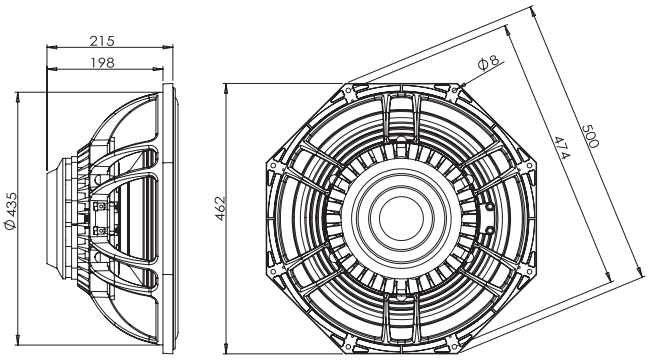
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB18L1202XL

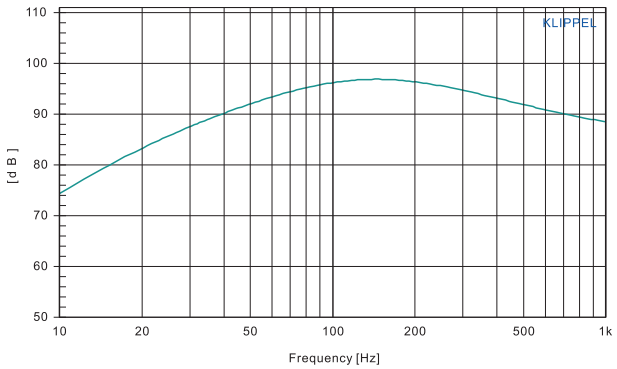
- 2400 Watt Max Power
- 125mm(5inch) voice coil
- 32Hz to 200Hz frequency response
- 96 dB 1W@1m sensitivity
- Ferrite magnet structure •
- Carbon Cone
- Rubber roll surround

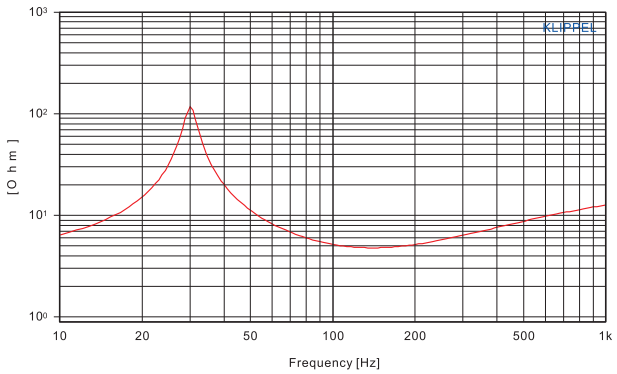
Specifications

Model		SCB18L1202XL
Nominal diameter	in.	18
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	28-200
Voice coil diameter	mm/in	125/5
Fs	Hz	30
Re	Ω	4.5
Qms		8.90
Qes		0.35
Qts		0.34
Vas	L	154
Mms	gr	384
Cms	mm/N	0.07
BL	Tm	30.5
Le	mH	0.9
Xmax	mm	11
nO	%	1.1
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	217
Net weight	Kg	21.2

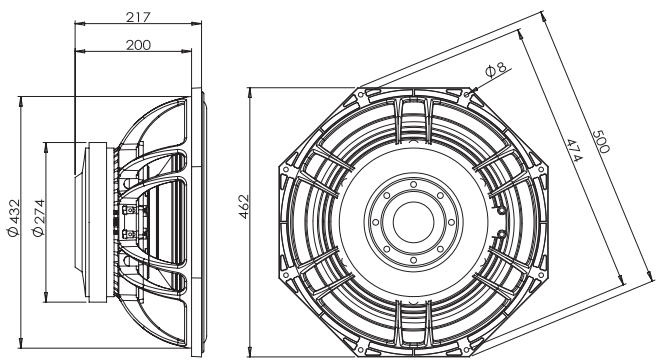
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM
SUBWOOFER

SCD18G902

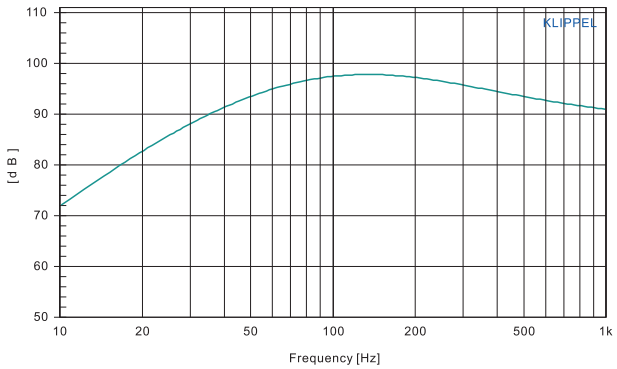
- 1800 Watt Max Power •
- 99.5mm(4inch) voice coil •
- 36Hz to 200Hz frequency response •
- 96.5 dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •

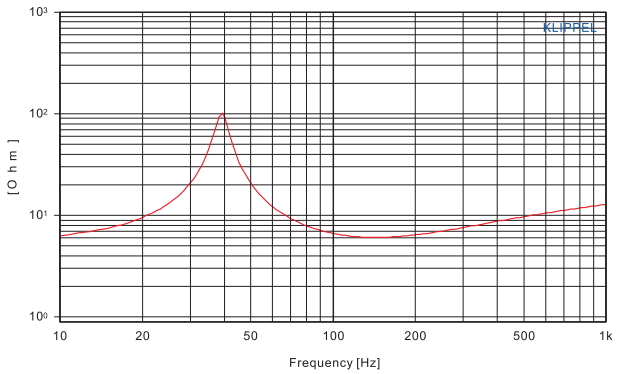
Specifications

Model		SCD18G902
Nominal diameter	in.	18
Power handling capacity	W(AES)	900
Max power	Watts	1800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96.5
Frequency range	Hz	36-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	39
Re	Ω	5.5
Qms		9.70
Qes		0.47
Qts		0.45
Vas	L	134
Mms	gr	260
Cms	mm/N	0.06
BL	Tm	27.3
Le	mH	0.87
Xmax	mm	11
nO	%	1.6
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	215
Net weight	Kg	11.3

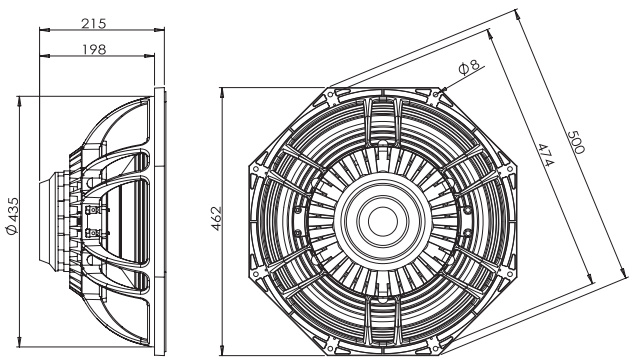
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB18G902

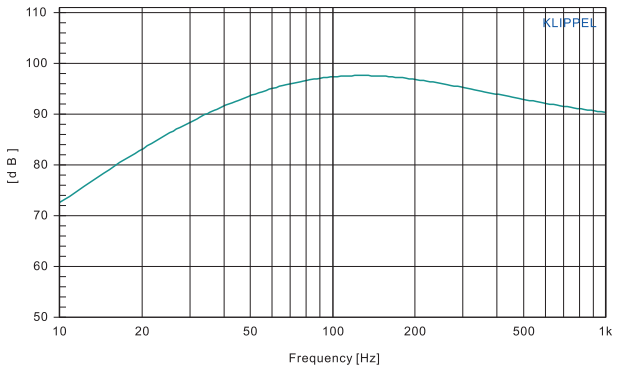
- 1800 Watt Max Power
- 99.5mm(4inch) voice coil
- 36Hz to 200Hz frequency response
- 96dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone

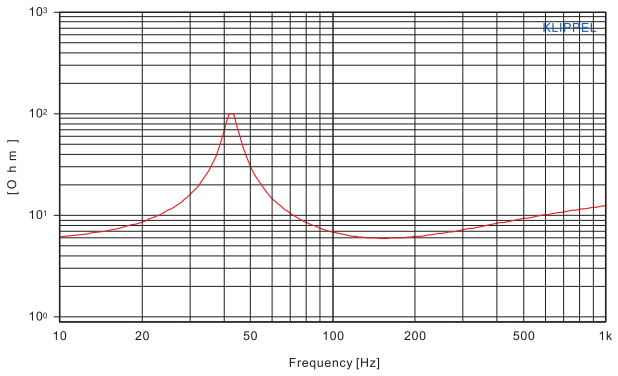
Specifications

Model		SCB18G902
Nominal diameter	in.	18
Power handling capacity	W(AES)	900
Max power	Watts	1800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	36-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	39
Re	Ω	5.5
Qms		9.50
Qes		0.50
Qts		0.48
Vas	L	134
Mms	gr	260
Cms	mm/N	0.06
BL	Tm	26.5
Le	mH	0.82
Xmax	mm	11
nO	%	1.5
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	217
Net weight	Kg	15.6

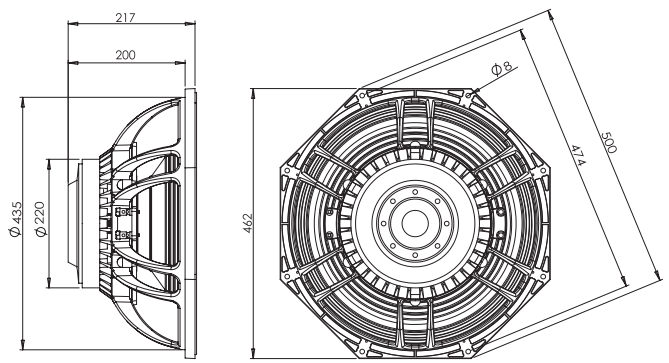
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB18G902XL

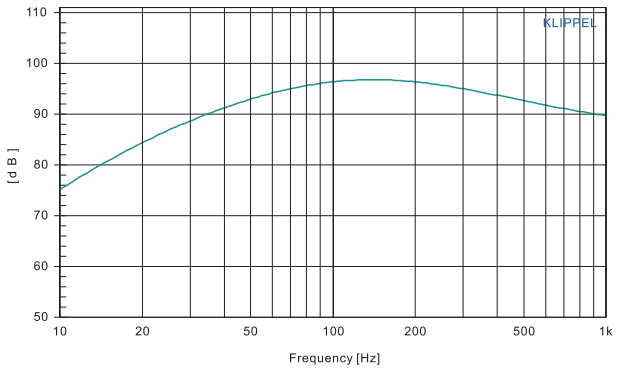
- 1800 Watt Max Power •
- 99.5mm(4inch) voice coil •
- 30Hz to 200Hz frequency response •
- 95 dB 1W@1m sensitivity •
- Ferrite magnet structure •
- Carbon Cone •
- Rubber roll surround •

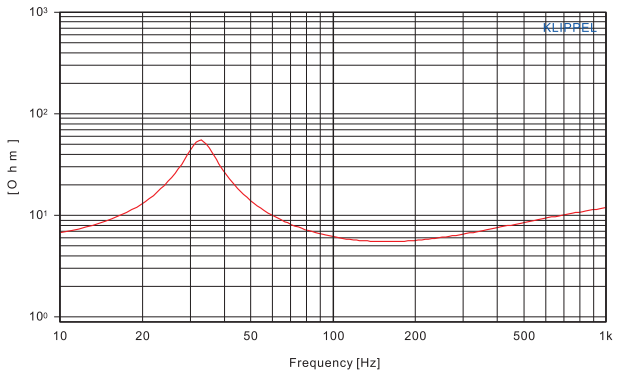
Specifications

Model		SCB18G902XL
Nominal diameter	in.	18
Power handling capacity	W(AES)	900
Max power	Watts	1800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	95
Frequency range	Hz	30-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	32
Re	Ω	5.5
Qms		4.50
Qes		0.48
Qts		0.44
Vas	L	170
Mms	gr	305
Cms	mm/N	0.08
BL	Tm	26.6
Le	mH	0.82
Xmax	mm	11
nO	%	1.2
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	217
Net weight	Kg	16

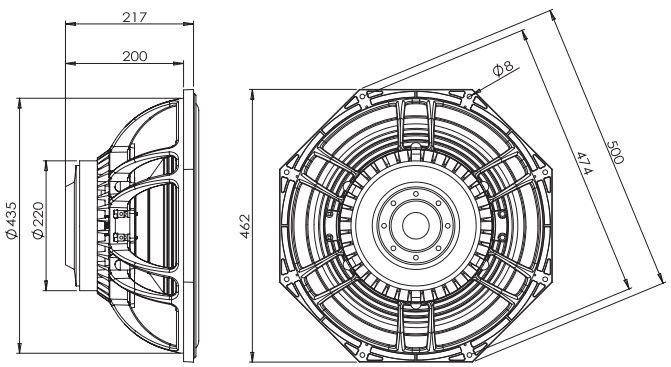
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

SUBWOOFER

SCD15L1202

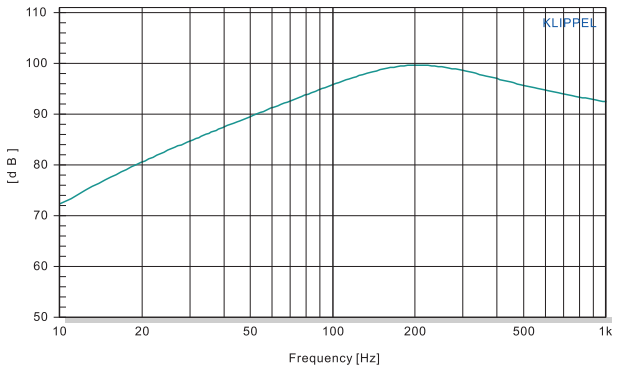
- 2400 Watt Max Power
- 125mm(5inch) voice coil
- 42Hz to 200Hz frequency response
- 98dB 1W@1m sensitivity
- Neodymium magnet structure
- Carbon Cone

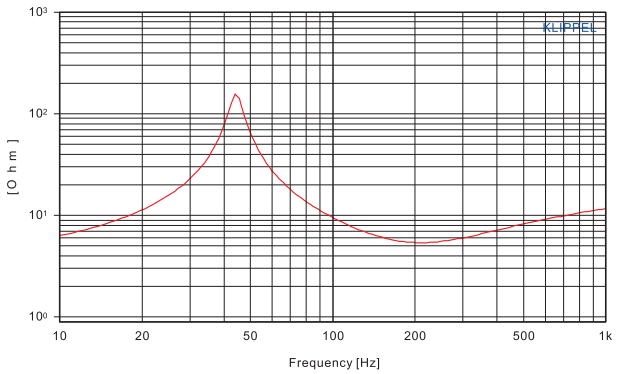
Specifications

Model		SCD15L1202
Nominal diameter	in.	15
Power handling capacity	W(AES)	1200
Max power	Watts	2400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	42-200
Voice coil diameter	mm/in	125/5
Fs	Hz	45
Re	Ω	4.5
Qms		6.28
Qes		0.26
Qts		0.25
Vas	L	58
Mms	gr	220
Cms	mm/N	0.06
BL	Tm	32.4
Le	mH	0.9
Xmax	mm	11
nO	%	2.1
Sd	cm^2	855
Overall diameter	mm	393
Bolt circle diamete	mm	404
Baffle cut-out diameter	mm	360
Overall depth	mm	180
Net weight	Kg	13

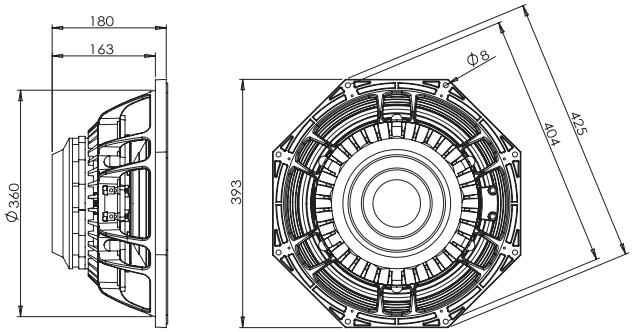
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM
SUBWOOFER

SCD15G902

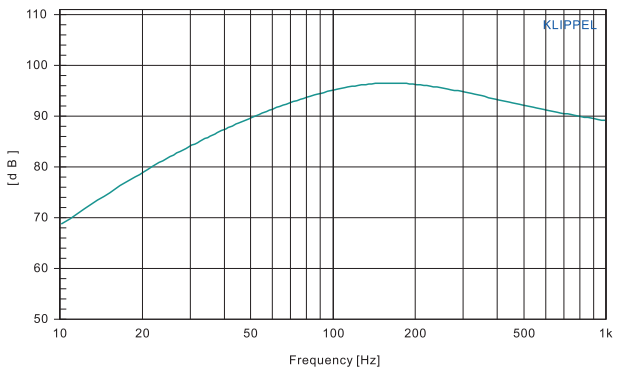
- 1800 Watt Max Power •
- 99.5mm(4inch) voice coil •
- 40Hz to 200Hz frequency response •
- 96dB 1W@1m sensitivity •
- Neodymium magnet structure •
- Carbon Cone •

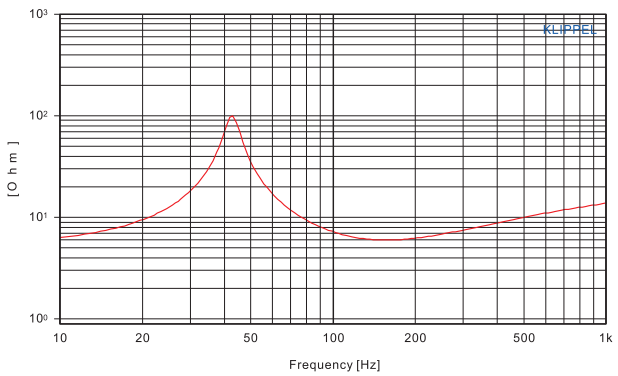
Specifications

Model		SCD15G902
Nominal diameter	in.	15
Power handling capacity	W(AES)	900
Max power	Watts	1800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	40-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	42
Re	Ω	5.5
Qms		10.5
Qes		0.39
Qts		0.38
Vas	L	73
Mms	gr	200
Cms	mm/N	0.07
BL	Tm	27.3
Le	mH	0.9
Xmax	mm	11
nO	%	
Sd	cm^2	855
Overall diameter	mm	393
Bolt circle diamete	mm	404
Baffle cut-out diameter	mm	360
Overall depth	mm	180
Net weight	Kg	10.2

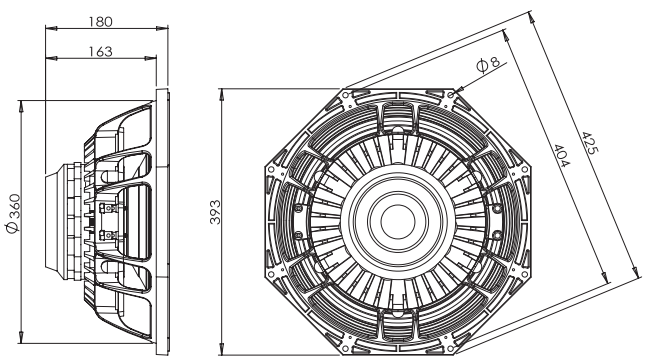
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB15G902

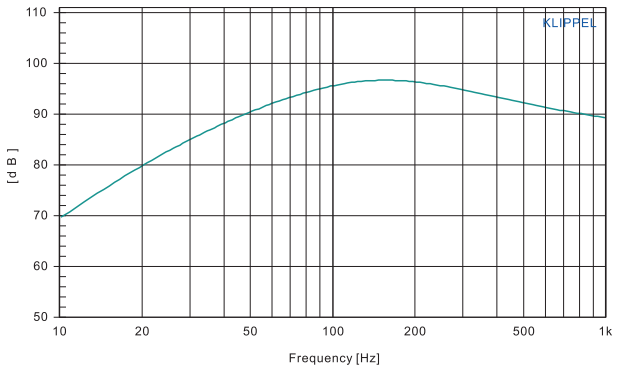
- 1800 Watt Max Power
- 99.5mm(4inch) voice coil
- 40Hz to 200Hz frequency response
- 95dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone

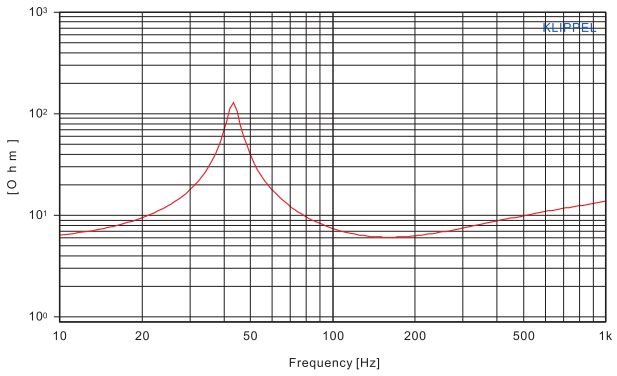
Specifications

Model		SCB15G902
Nominal diameter	in.	15
Power handling capacity	W(AES)	900
Max power	Watts	1800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	95
Frequency range	Hz	40-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	42
Re	Ω	5.5
Qms		10.5
Qes		0.42
Qts		0.40
Vas	L	73
Mms	gr	200
Cms	mm/N	0.07
BL	Tm	26.5
Le	mH	0.9
Xmax	mm	11
nO	%	1.3
Sd	cm^2	855
Overall diameter	mm	393
Bolt circle diamete	mm	404
Baffle cut-out diameter	mm	360
Overall depth	mm	182
Net weight	Kg	14.5

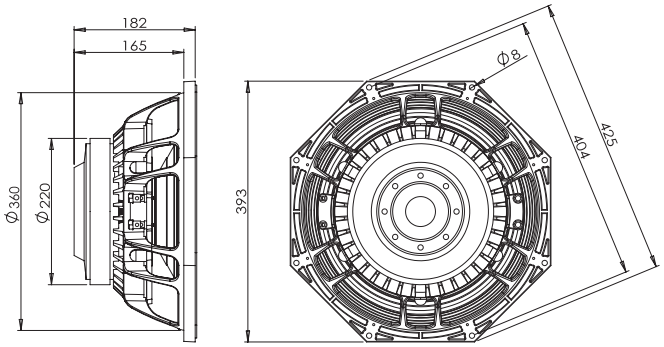
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE
SUBWOOFER

SCB15G902XL

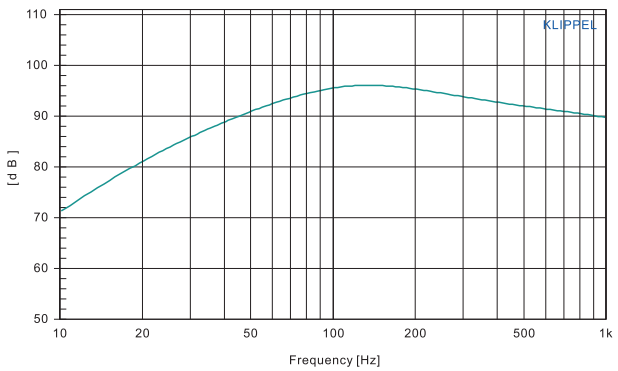
- 1800 Watt Max Power •
- 99.5mm(4inch) voice coil •
- 34Hz to 200Hz frequency response •
- 94dB 1W@1m sensitivity •
- Ferrite magnet structure •
- Carbon Cone •
- Rubber roll surround •

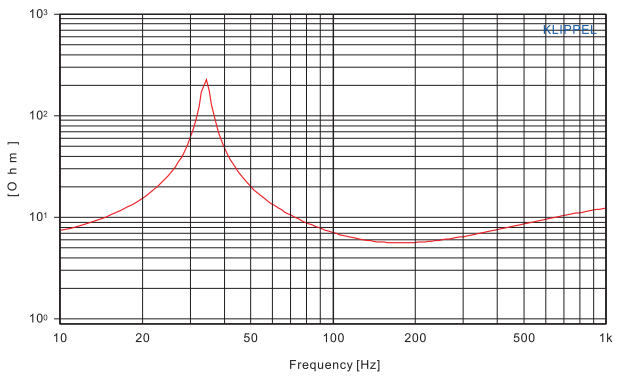
Specifications

Model		SCB15G902XL
Nominal diameter	in.	15
Power handling capacity	W(AES)	900
Max power	Watts	1800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	94
Frequency range	Hz	30-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	34
Re	Ω	5.5
Qms		11.2
Qes		0.35
Qts		0.34
Vas	L	107
Mms	gr	210
Cms	mm/N	0.10
BL	Tm	26.5
Le	mH	0.9
Xmax	mm	11
nO	%	1.2
Sd	cm^2	855
Overall diameter	mm	393
Bolt circle diamete	mm	404
Baffle cut-out diameter	mm	360
Overall depth	mm	182
Net weight	Kg	14.7

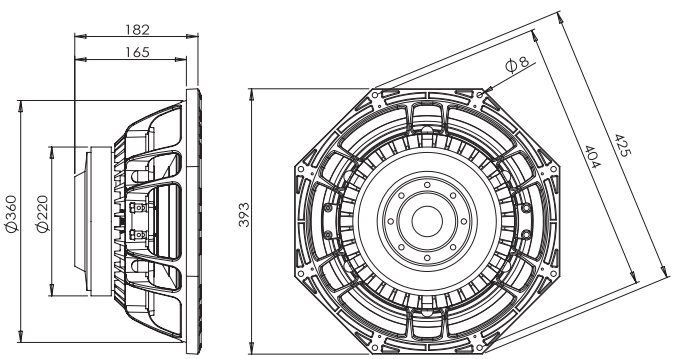
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

SUBWOOFER

SCD12N500XL

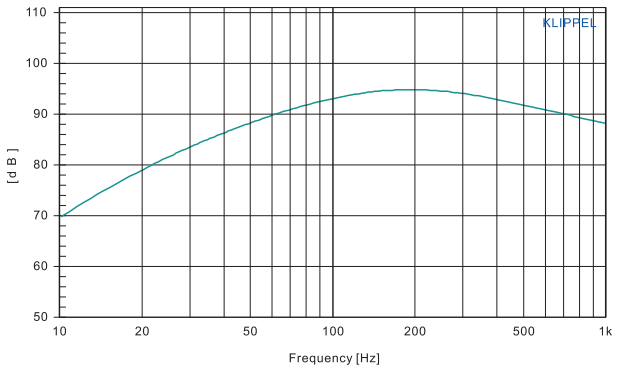
- 1000 Watt Max Power
- 88.7mm(3.5inch) voice coil
- 35Hz to 200Hz frequency response
- 92.5 dB 1W@1m sensitivity
- Neodymium magnet structure
- Carbon Cone
- Rubber roll surround

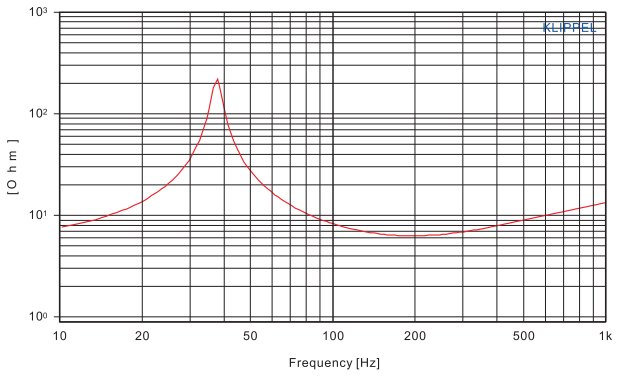
Specifications

Model		SCD12N500XL
Nominal diameter	in.	12
Power handling capacity	W(AES)	500
Max power	Watts	1000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	92.5
Frequency range	Hz	35-400
Voice coil diameter	mm/in	88.7/3.5
Fs	Hz	37
Re	Ω	5.5
Qms		14.1
Qes		0.34
Qts		0.33
Vas	L	49
Mms	gr	148
Cms	mm/N	0.13
BL	Tm	23.5
Le	mH	0.82
Xmax	mm	8
nO	%	0.7
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	326
Baffle cut-out diameter	mm	282
Overall depth	mm	154
Net weight	Kg	7

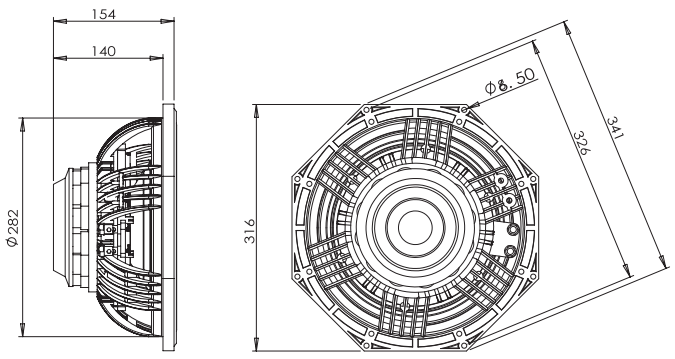
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE
SUBWOOFER

SCB12N500XL

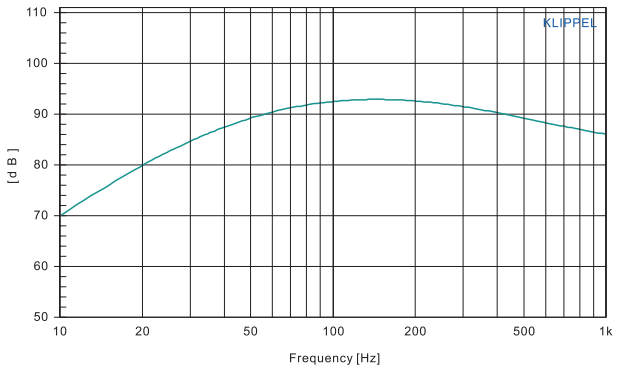
- 1000 Watt Max Power •
- 88.7mm(3.5inch) voice coil •
- 35Hz to 200Hz frequency response •
- 91dB 1W@1m sensitivity •
- Ferrite magnet structure •
- Carbon Cone •
- Rubber roll surround •

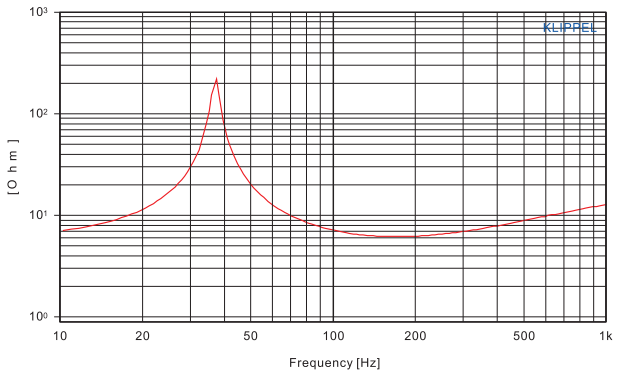
Specifications

Model		SCB12N500XL
Nominal diameter	in.	12
Power handling capacity	W(AES)	500
Max power	Watts	1000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	91
Frequency range	Hz	35-400
Voice coil diameter	mm/in	88.7/3.5
Fs	Hz	37
Re	Ω	5.5
Qms		14.6
Qes		0.46
Qts		0.45
Vas	L	49
Mms	gr	148
Cms	mm/N	0.13
BL	Tm	20.1
Le	mH	0.84
Xmax	mm	8
nO	%	0.5
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	326
Baffle cut-out diameter	mm	282
Overall depth	mm	156
Net weight	Kg	9

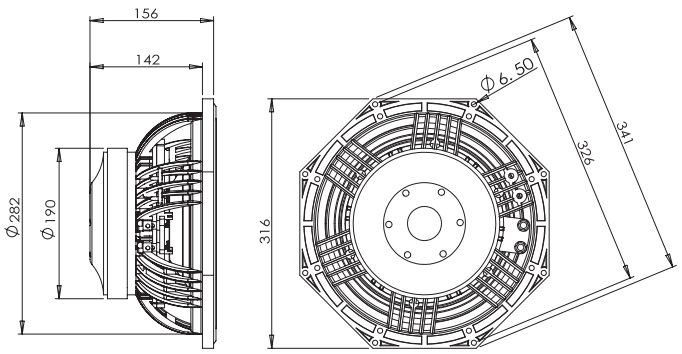
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

SCB10F400XL

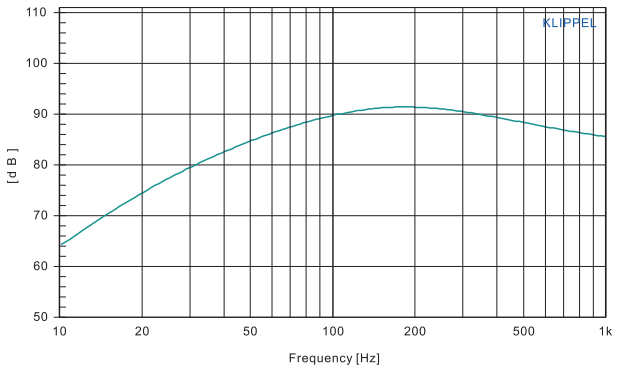
- 800 Watt Max Power
- 75.5mm(3inch) voice coil
- 40Hz to 200Hz frequency response
- 90 dB 1W@1m sensitivity
- Ferrite magnet structure
- Carbon Cone
- Rubber roll surround

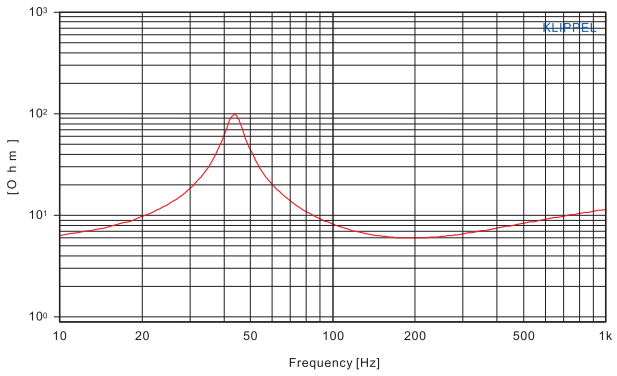
Specifications

Model		SCB10F400XL
Nominal diameter	in.	10
Power handling capacity	W(AES)	400
Max power	Watts	800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	90
Frequency range	Hz	40-600
Voice coil diameter	mm/in	75.5/3
Fs	Hz	42
Re	Ω	5.3
Qms		7.47
Qes		0.37
Qts		0.36
Vas	L	22
Mms	gr	100
Cms	mm/N	0.14
BL	Tm	19.3
Le	mH	0.75
Xmax	mm	8
nO	%	0.4
Sd	cm^2	330
Overall diameter	mm	262
Bolt circle diamete	mm	244
Baffle cut-out diameter	mm	230
Overall depth	mm	137
Net weight	Kg	21

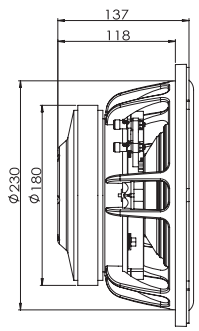
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

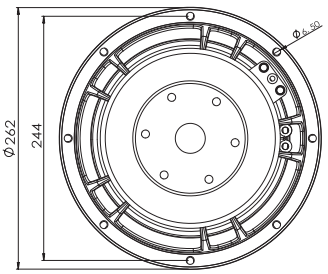
Frequency Response and Impedance Magnitude Curve





Dimension Drawings





Subwoofer

FERRITE

SUBWOOFER

S21L1023

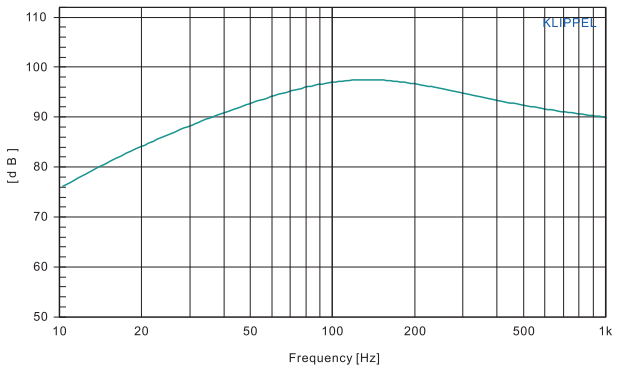
- 2000 Watt Max Power
- 125mm(5inch) voice coil
- 30Hz to 200Hz frequency response
- 98dB 1W@1m sensitivity
- Ferrite magnet structure

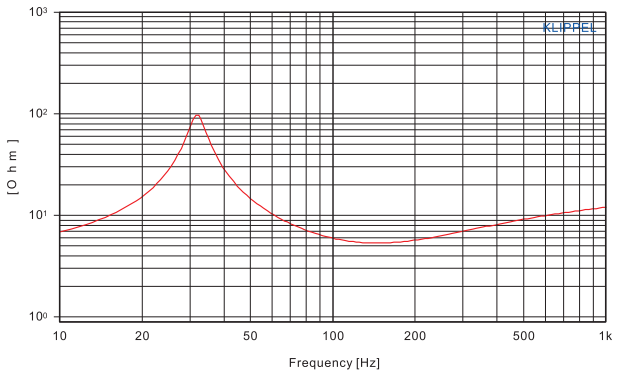
Specifications

Model		S21L1023
Nominal diameter	in.	21
Power handling capacity	W(AES)	1000
Max power	Watts	2000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	30-200
Voice coil diameter	mm/in	125/5
Fs	Hz	32
Re	Ω	4.5
Qms		7.10
Qes		0.36
Qts		0.35
Vas	L	258
Mms	gr	360
Cms	mm/N	0.07
BL	Tm	30.6
Le	mH	0.8
Xmax	mm	10
nO	%	2.2
Sd	cm^2	1626
Overall diameter	mm	534
Bolt circle diamete	mm	548
Baffle cut-out diameter	mm	496
Overall depth	mm	239
Net weight	Kg	21

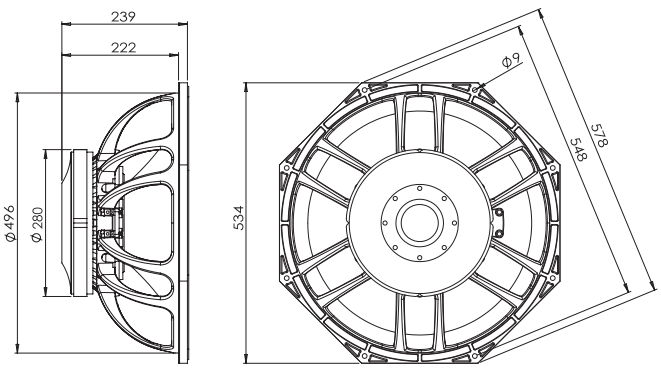
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE
SUBWOOFER

S18L1000B

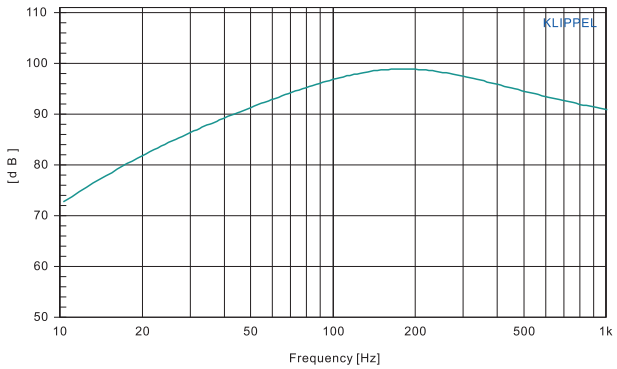
- 2000 Watt Max Power •
- 125mm(5inch) voice coil •
- 40Hz to 200Hz frequency response •
- 98dB 1W@1m sensitivity •
- Ferrite magnet structure •

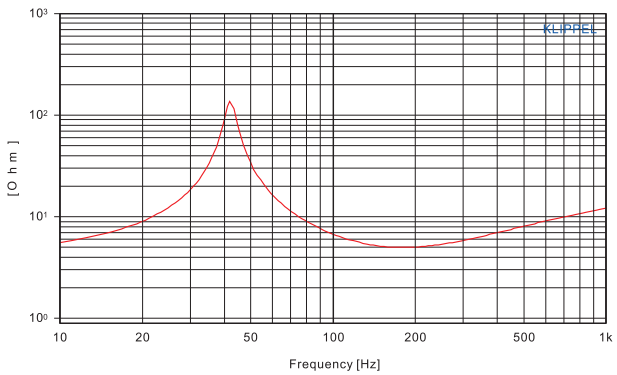
Specifications

Model		S18L1000B
Nominal diameter	in.	18
Power handling capacity	W(AES)	1000
Max power	Watts	2000
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	40-200
Voice coil diameter	mm/in	125/5
Fs	Hz	42
Re	Ω	4.5
Qms		11.5
Qes		0.39
Qts		0.38
Vas	L	130
Mms	gr	233
Cms	mm/N	0.06
BL	Tm	27.2
Le	mH	0.78
Xmax	mm	10
nO	%	2.4
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	208
Net weight	Kg	20

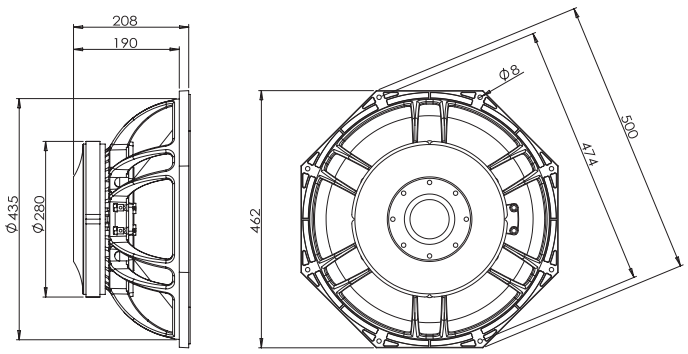
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

S18G800A

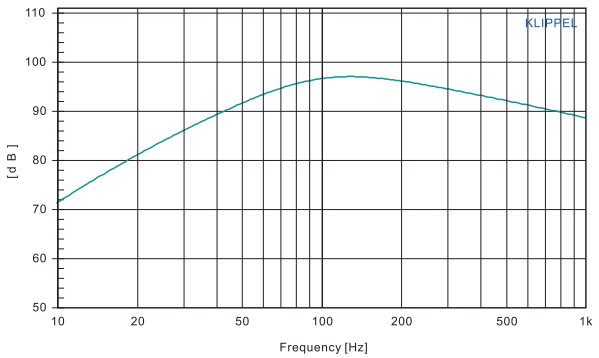
- 1600 Watt Max Power
- 99.5mm(4inch) voice coil
- 42Hz to 200Hz frequency response
- 98dB 1W@1m sensitivity
- Ferrite magnet structure

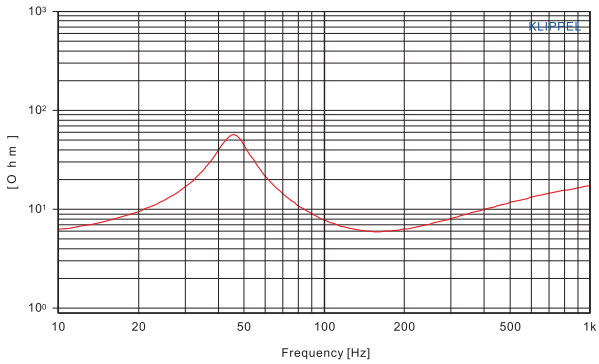
Specifications

Model		S18G800A
Nominal diameter	in.	18
Power handling capacity	W(AES)	800
Max power	Watts	1600
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	42-200
Voice coil diameter	mm/in	99.5/4
Fs	Hz	45
Re	Ω	5
Qms		4.29
Qes		0.43
Qts		0.39
Vas	L	120
Mms	gr	215
Cms	mm/N	0.06
BL	Tm	27.2
Le	mH	1.2
Xmax	mm	10
nO	%	2.6
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	474
Baffle cut-out diameter	mm	435
Overall depth	mm	210
Net weight	Kg	14

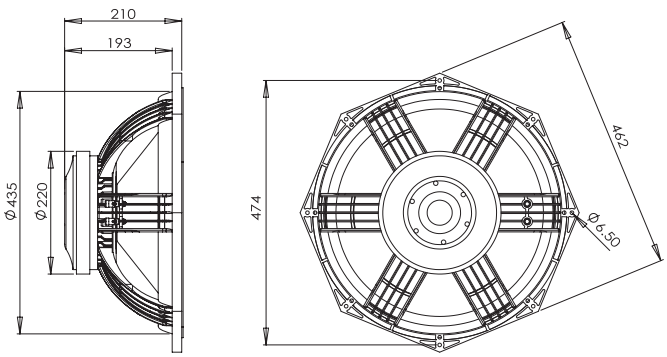
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

SUBWOOFER

S15G710

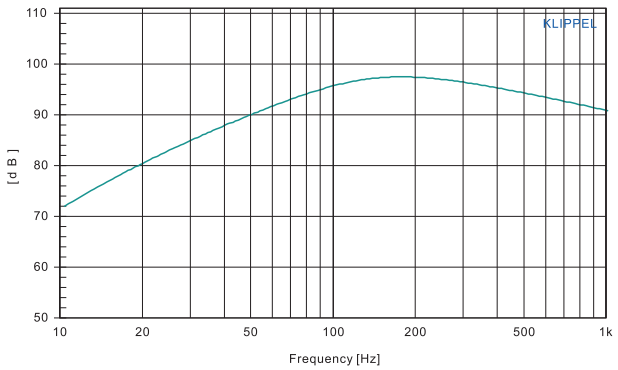
- 1400 Watt Max Power •
- 99.5mm (4 inch) voice coil •
- 45Hz to 1.5kHz frequency response •
- 99dB 1W@1m sensitivity •
- Ferrite magnet structure •

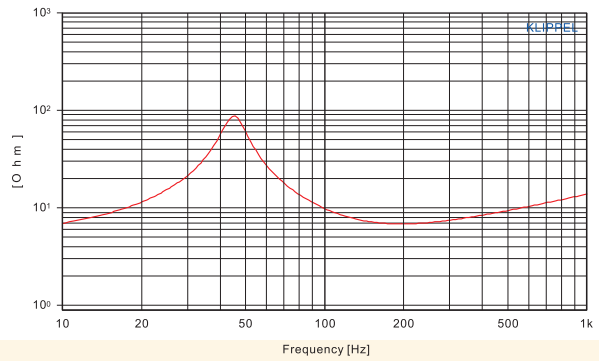
Specifications

Model		S15G710
Nominal diameter	in.	15
Power handling capacity	W(AES)	700
Max power	Watts	1400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	99
Frequency range	Hz	45-1.5K
Voice coil diameter	mm/in	99.5/4
Fs	Hz	45
Re	Ω	5.0
Qms		5.26
Qes		0.33
Qts		0.31
Vas	L	90
Mms	gr	152
Cms	mm/N	0.08
BL	Tm	26.0
Le	mH	0.97
Xmax	mm	7.4
nO	%	2.4
Sd	cm^2	881
Overall diameter	mm	393
Bolt circle diamete	mm	406
Baffle cut-out diameter	mm	360
Overall depth	mm	176
Net weight	Kg	13.5

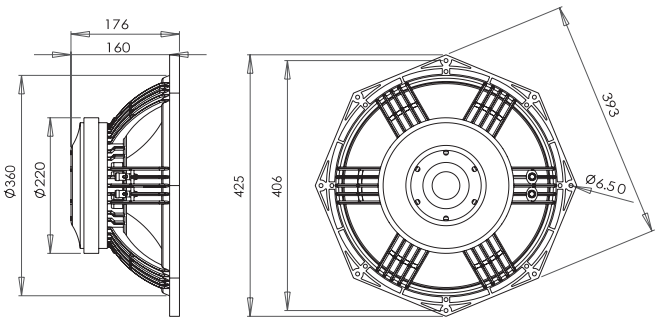
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



Neodymium

NEODYMIUM

WOOFER

D18G812N

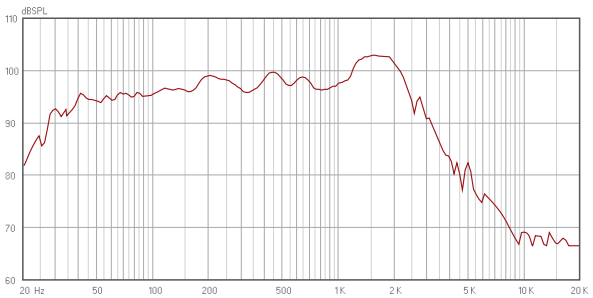
- 1600 Watt Max Power •
- 99.5mm (4 inch) voice coil •
- 35Hz to 1.5kHz frequency response •
- 97dB 1W@1m sensitivity •
- Neodymium magnet structure •

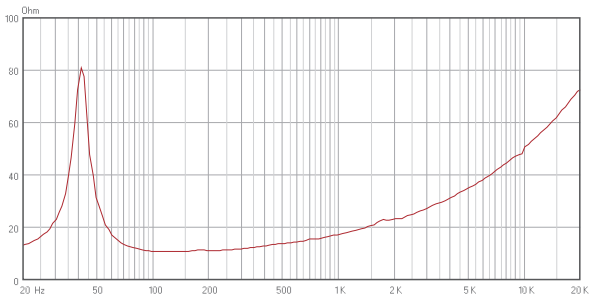
Specifications

Model		D18G812N
Nominal diameter	in.	18
Power handling capacity	W(AES)	800
Max power	Watts	1600
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	35-1.5K
Voice coil diameter	mm/in	99.5/4
Fs	Hz	33
Re	Ω	5.2
Qms		5.59
Qes		0.44
Qts		0.40
Vas	L	234
Mms	gr	205
Cms	mm/N	0.11
BL	Tm	22.0
Le	mH	1.03
Xmax	mm	6.5
nO	%	1.8
Sd	cm^2	1225
Overall diameter	mm	462
Bolt circle diamete	mm	446.5-451.5
Baffle cut-out diameter	mm	436
Overall depth	mm	224
Net weight	Kg	8.5

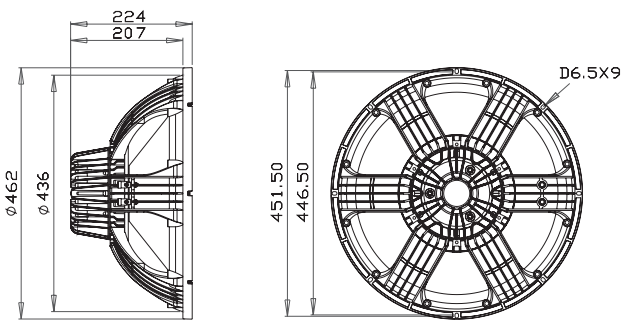
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D15G612N

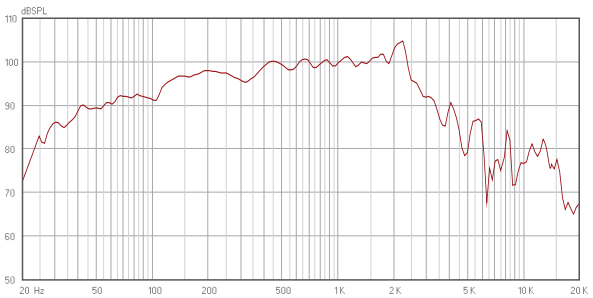
- 1300 Watt Max Power
- 99.5mm (4 inch) voice coil
- 45Hz to 2kHz frequency response
- 99dB 1W@1m sensitivity
- Neodymium magnet structure

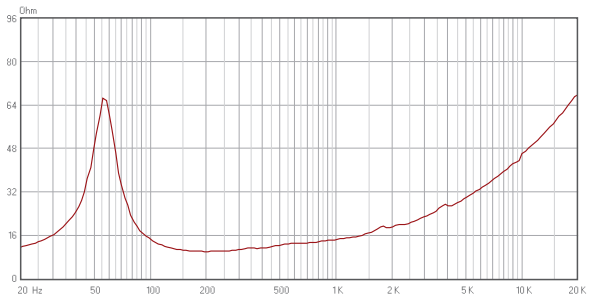
Specifications

Model		D15G612N
Nominal diameter	in.	15
Power handling capacity	W(AES)	650
Max power	Watts	1300
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	99
Frequency range	Hz	45-2K
Voice coil diameter	mm/in	99.5/4
Fs	Hz	46
Re	Ω	5.0
Qms		2.25
Qes		0.34
Qts		0.29
Vas	L	113
Mms	gr	114
Cms	mm/N	0.10
BL	Tm	22.0
Le	mH	0.78
Xmax	mm	6.5
nO	%	3.2
Sd	cm^2	881
Overall diameter	mm	392
Bolt circle diamete	mm	370-375
Baffle cut-out diameter	mm	358
Overall depth	mm	197
Net weight	Kg	6.6

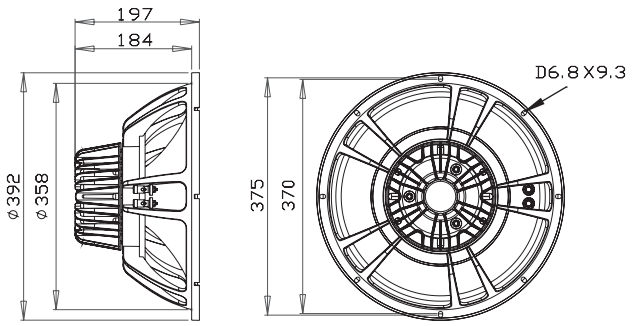
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D15N480N

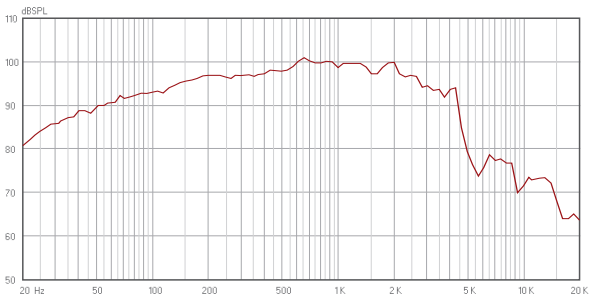
- 960 Watt Max Power
- 88.7mm(3.5inch) voice coil
- 43Hz to 2.5KHz frequency response
- 98.5 dB 1W@1m sensitivity
- Neodymium magnet structure

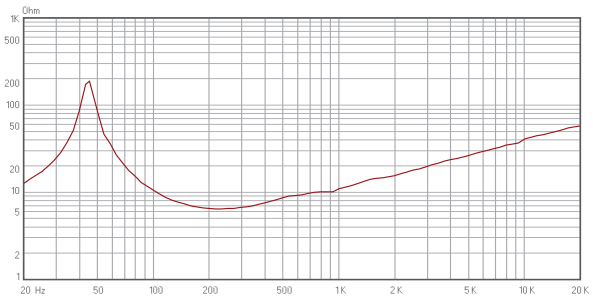
Specifications

Model		D15N480N
Nominal diameter	in.	15
Power handling capacity	W(AES)	480
Max power	Watts	960
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98.5
Frequency range	Hz	43-2K
Voice coil diameter	mm/in	88.7/3.5
Fs	Hz	43
Re	Ω	5.5
Qms		7.56
Qes		0.28
Qts		0.27
Vas	L	149
Mms	gr	96
Cms	mm/N	0.14
BL	Tm	22.7
Le	mH	0.74
Xmax	mm	6
nO	%	4.0
Sd	cm^2	855
Overall diameter	mm	392
Bolt circle diamete	mm	370-375
Baffle cut-out diameter	mm	358
Overall depth	mm	174
Net weight	Kg	5.4

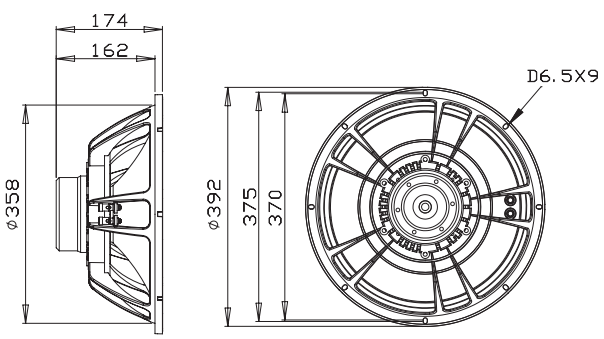
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

SUBWOOFER

D15F460

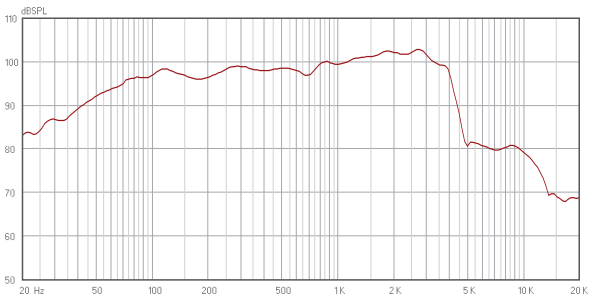
- 900 Watt Max Power
- 75.5mm (4 inch) voice coil
- 50Hz to 2.5KHz frequency response
- 100dB 1W@1m sensitivity
- Neodymium magnet structure

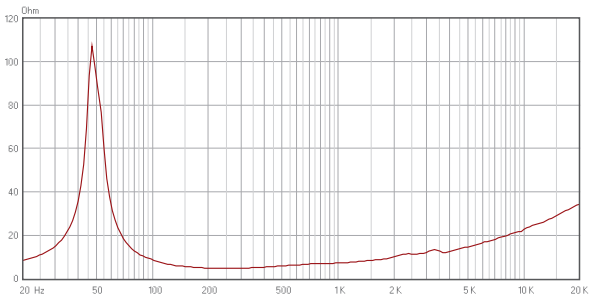
Specifications

Model		D15F460
Nominal diameter	in.	15
Power handling capacity	W(AES)	450
Max power	Watts	900
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	100
Frequency range	Hz	50-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	55
Re	Ω	5.5
Qms		4.31
Qes		0.31
Qts		0.29
Vas	L	91
Mms	gr	95
Cms	mm/N	0.09
BL	Tm	24.2
Le	mH	0.38
Xmax	mm	5.6
nO	%	4.7
Sd	cm^2	855
Overall diameter	mm	392
Bolt circle diamete	mm	370-375
Baffle cut-out diameter	mm	358
Overall depth	mm	166
Net weight	Kg	5.1

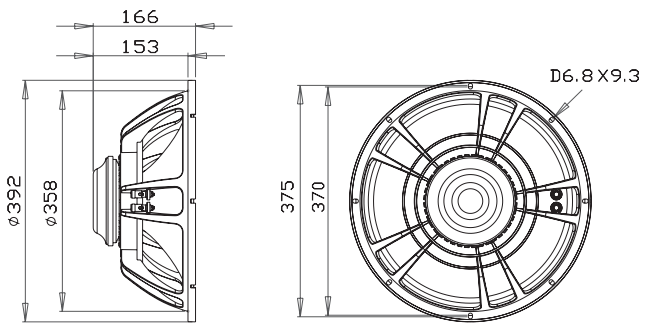
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D12G610N

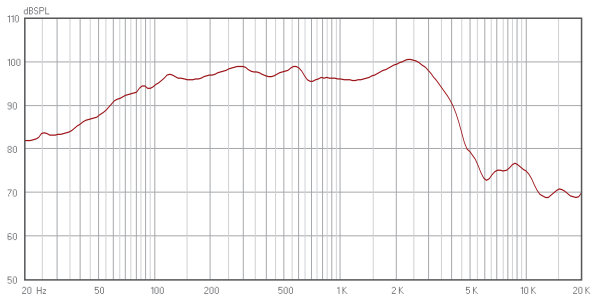
- 1200 Watt Max Power •
- 99.5mm (4 inch) voice coil •
- 50Hz to 2kHz frequency response •
- 97 dB 1W@1m sensitivity •
- Neodymium magnet structure •

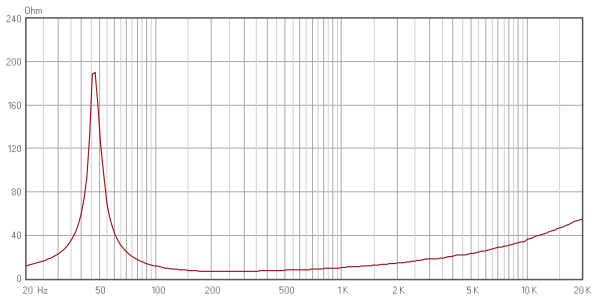
Specifications

Model		D12G610N
Nominal diameter	in.	12
Power handling capacity	W(AES)	600
Max power	Watts	1200
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	50-2K
Voice coil diameter	mm/in	99.5/4
Fs	Hz	49
Re	Ω	5.0
Qms		6.20
Qes		0.27
Qts		0.26
Vas	L	45
Mms	gr	90
Cms	mm/N	0.11
BL	Tm	23.0
Le	mH	0.48
Xmax	mm	6.7
nO	%	2.0
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	296
Baffle cut-out diameter	mm	282
Overall depth	mm	145
Net weight	Kg	5

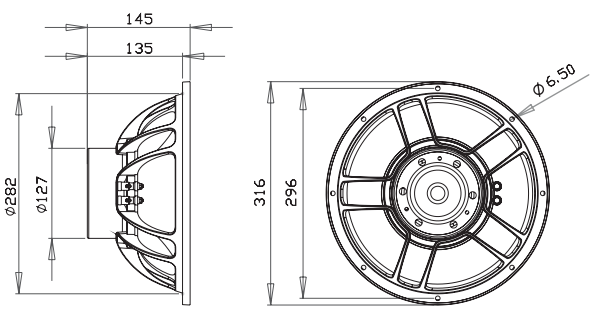
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D12N480N

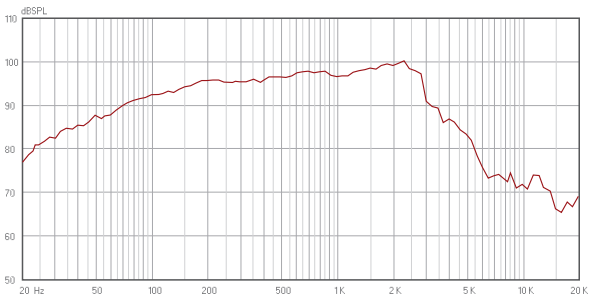
- 960 Watt Max Power
- 88.7mm(3.5inch) voice coil
- 44Hz to 2.5KHz frequency response
- 98 dB 1W@1m sensitivity
- Neodymium magnet structure

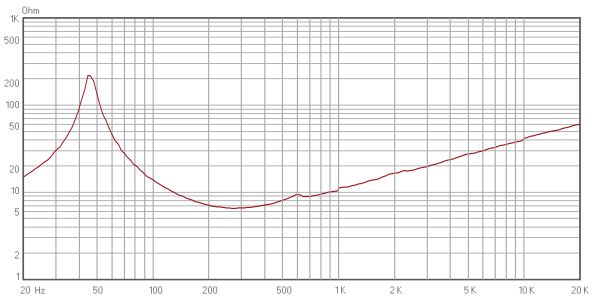
Specifications

Model		D12N480N
Nominal diameter	in.	12
Power handling capacity	W(AES)	480
Max power	Watts	960
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	44-2.5K
Voice coil diameter	mm/in	88.7/3.5
Fs	Hz	44
Re	Ω	5.5
Qms		7.58
Qes		0.22
Qts		0.21
Vas	L	72
Mms	gr	71
Cms	mm/N	0.18
BL	Tm	22.7
Le	mH	0.80
Xmax	mm	6
nO	%	2.8
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	293-300
Baffle cut-out diameter	mm	282
Overall depth	mm	144
Net weight	Kg	4.9

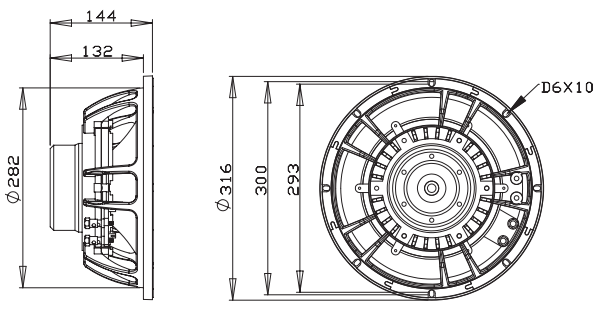
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D12F360N

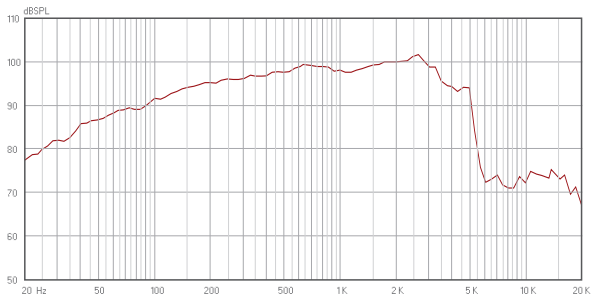
- 700 Watt Max Power
- 75.5mm(3inch) voice coil
- 55Hz to 2.5KHz frequency response
- 97.5 dB 1W@1m sensitivity
- Neodymium magnet structure

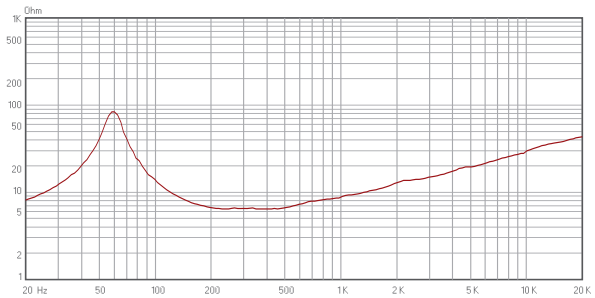
Specifications

Model		D12F360N
Nominal diameter	in.	12
Power handling capacity	W(AES)	350
Max power	Watts	700
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97.5
Frequency range	Hz	55-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	58
Re	Ω	5.2
Qms		4.65
Qes		0.38
Qts		0.35
Vas	L	41
Mms	gr	71
Cms	mm/N	0.10
BL	Tm	19.2
Le	mH	0.6
Xmax	mm	5.5
nO	%	2.1
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	296
Baffle cut-out diameter	mm	282
Overall depth	mm	140
Net weight	Kg	3.4

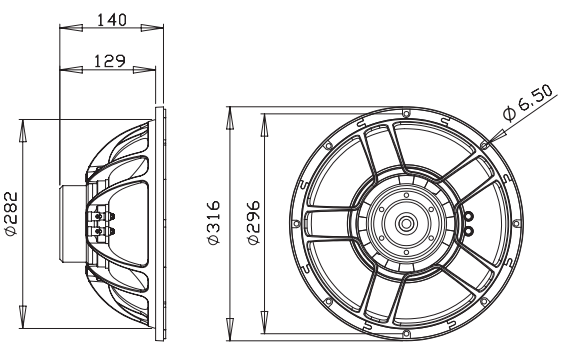
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D12F360

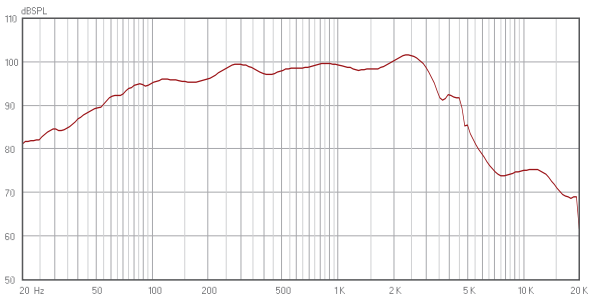
- 700 Watt Max Power
- 75.5mm (3 inch) voice coil
- 55Hz to 2.5KHz frequency response
- 99 dB 1W@1m sensitivity
- Neodymium magnet structure

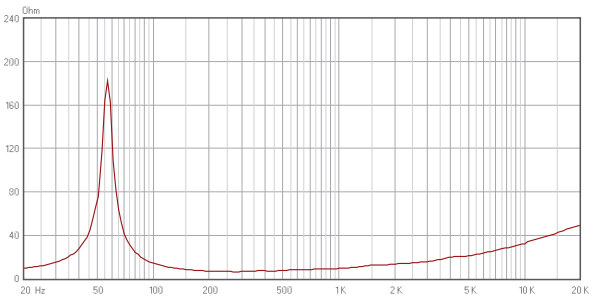
Specifications

Model		D12F360
Nominal diameter	in.	12
Power handling capacity	W(AES)	350
Max power	Watts	700
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	99
Frequency range	Hz	55-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	59
Re	Ω	5.2
Qms		8.48
Qes		0.29
Qts		0.28
Vas	L	45
Mms	gr	64
Cms	mm/N	0.11
BL	Tm	20.0
Le	mH	0.46
Xmax	mm	4.6
nO	%	4.2
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	296
Baffle cut-out diameter	mm	282
Overall depth	mm	130
Net weight	Kg	3

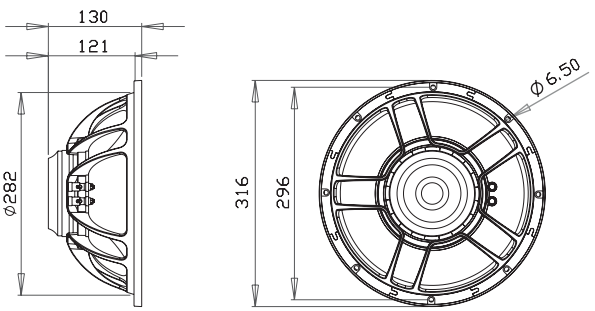
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D10F360N

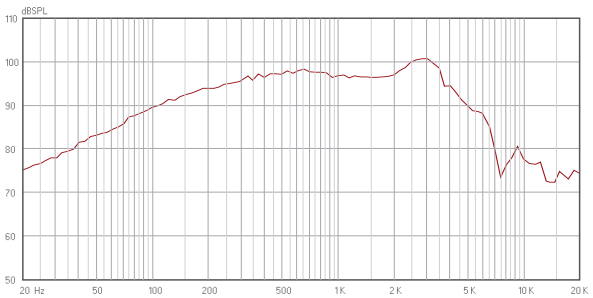
- 700 Watt Max Power
- 75.5mm(3inch) voice coil
- 65Hz to 2.5KHz frequency response
- 97 dB 1W@1m sensitivity
- Neodymium magnet structure

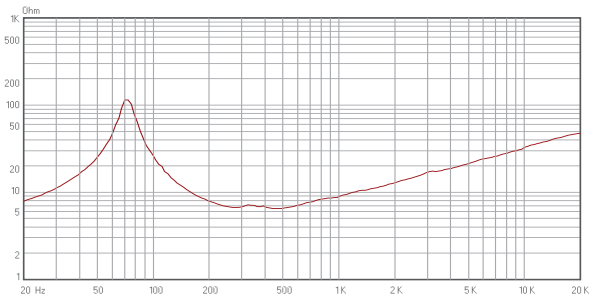
Specifications

Model		D10F360N
Nominal diameter	in.	10
Power handling capacity	W(AES)	350
Max power	Watts	700
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	65-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	68
Re	Ω	5.2
Qms		7.47
Qes		0.30
Qts		0.29
Vas	L	17
Mms	gr	51
Cms	mm/N	0.1
BL	Tm	19.2
Le	mH	0.6
Xmax	mm	5.5
nO	%	1.8
Sd	cm^2	346
Overall diameter	mm	262
Bolt circle diamete	mm	244
Baffle cut-out diameter	mm	230
Overall depth	mm	125
Net weight	Kg	3.2

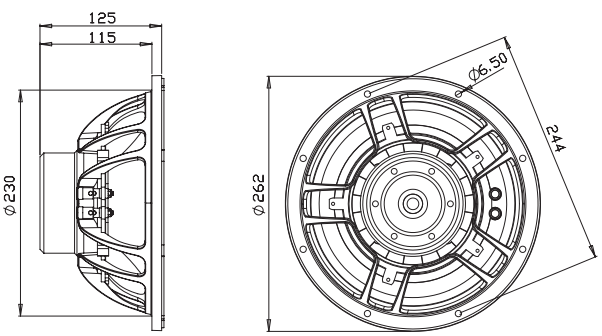
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D10F360

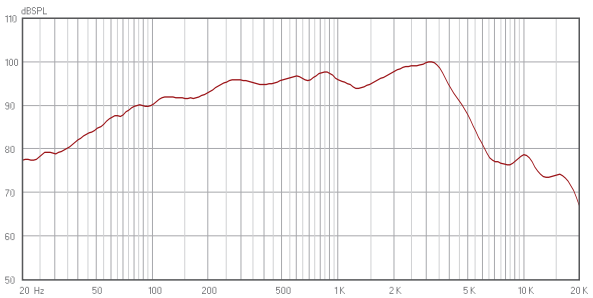
- 700 Watt Max Power
- 75.5mm (3 inch) voice coil
- 65Hz to 2.5KHz frequency response
- 97 dB 1W@1m sensitivity
- Neodymium magnet structure

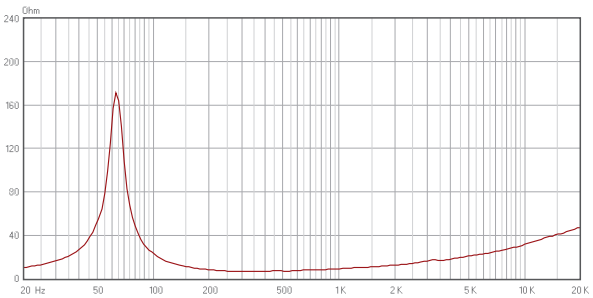
Specifications

Model		D10F360
Nominal diameter	in.	10
Power handling capacity	W(AES)	350
Max power	Watts	700
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	65-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	64
Re	Ω	5.0
Qms		4.10
Qes		0.28
Qts		0.26
Vas	L	24
Mms	gr	42
Cms	mm/N	0.14
BL	Tm	18.0
Le	mH	0.40
Xmax	mm	4.5
nO	%	2.8
Sd	cm^2	346
Overall diameter	mm	262
Bolt circle diamete	mm	244
Baffle cut-out diameter	mm	230
Overall depth	mm	116
Net weight	Kg	3.8

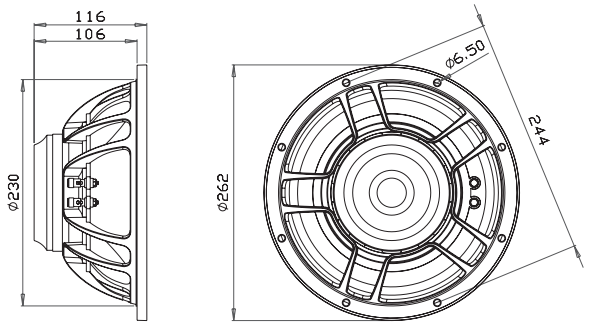
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D8E260N

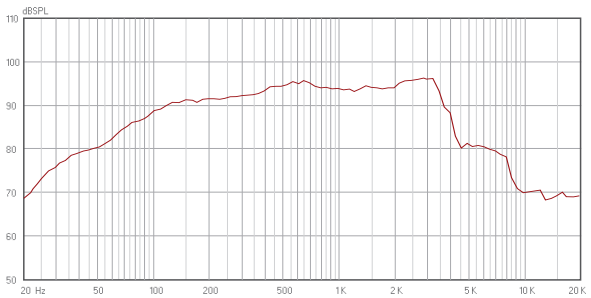
- 500 Watt Max Power
- 63.5mm(2.5inch) voice coil
- 70Hz to 2.5KHz frequency response
- 94 dB 1W@1m sensitivity
- Neodymium magnet structure

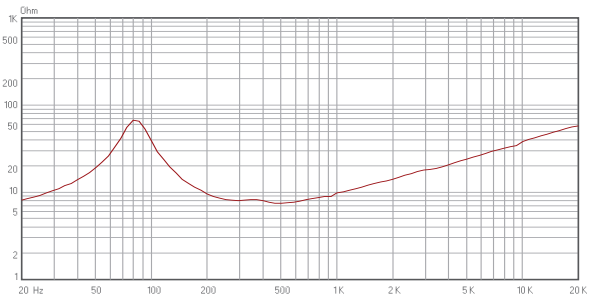
Specifications

Model		D8E260N
Nominal diameter	in.	8
Power handling capacity	W(AES)	250
Max power	Watts	500
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	94
Frequency range	Hz	70-2.5K
Voice coil diameter	mm/in	63.5/2.5
Fs	Hz	68
Re	Ω	6
Qms		4.42
Qes		0.31
Qts		0.29
Vas	L	10
Mms	gr	34
Cms	mm/N	0.16
BL	Tm	16.7
Le	mH	0.68
Xmax	mm	4.3
nO	%	1
Sd	cm^2	213
Overall diameter	mm	210
Bolt circle diamete	mm	196
Baffle cut-out diameter	mm	185
Overall depth	mm	97
Net weight	Kg	2.2

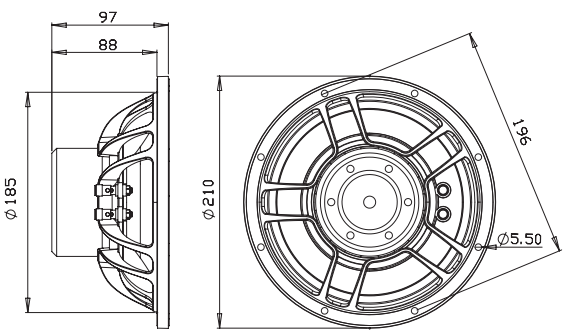
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D8D210

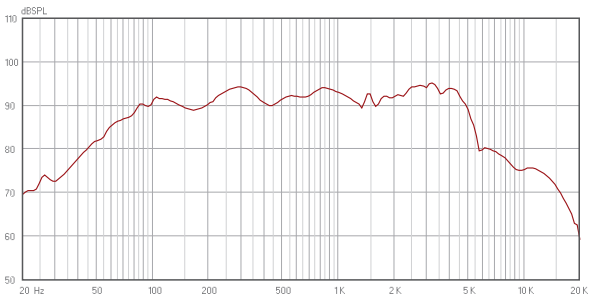
- 400 Watt Max Power
- 51.5mm (2 inch) voice coil
- 75Hz to 3.5KHz frequency response
- 96 dB 1W@1m sensitivity
- Neodymium magnet structure

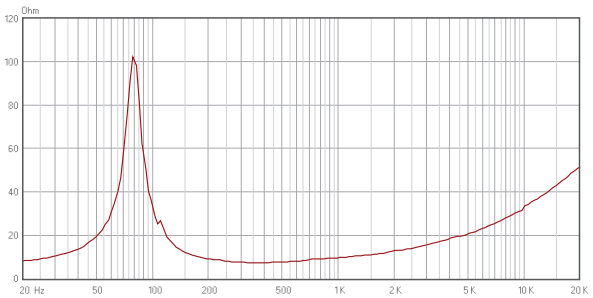
Specifications

Model		D8D210
Nominal diameter	in.	8
Power handling capacity	W(AES)	200
Max power	Watts	400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	75-3.5K
Voice coil diameter	mm/in	51.5/2
Fs	Hz	80
Re	Ω	6.0
Qms		6.26
Qes		0.33
Qts		0.31
Vas	L	11
Mms	gr	21
Cms	mm/N	0.18
BL	Tm	14.0
Le	mH	0.45
Xmax	mm	4.0
nO	%	1.8
Sd	cm^2	213
Overall diameter	mm	210
Bolt circle diamete	mm	196
Baffle cut-out diameter	mm	185
Overall depth	mm	82
Net weight	Kg	1.4

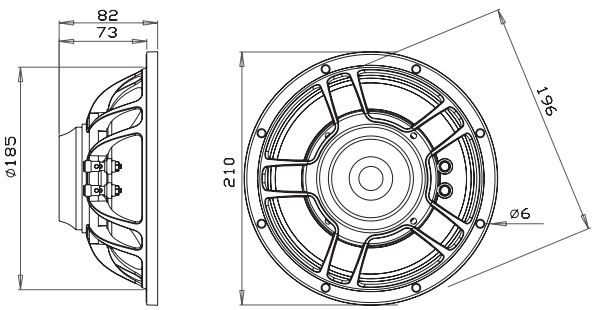
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



A&D AUDIO™

NEODYMIUM

WOOFER

D6D210

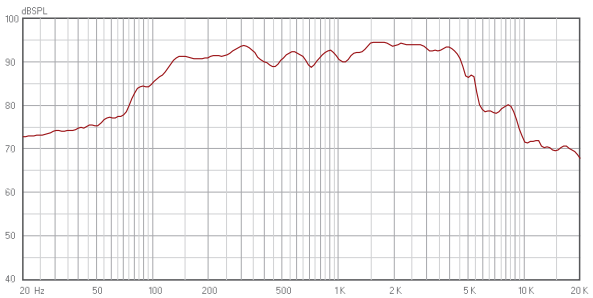
- 400 Watt Max Power •
- 51.5mm (2 inch) voice coil •
- 80Hz to 3.5KHz frequency response •
- 93.5 dB 1W@1m sensitivity •
- Neodymium magnet structure •

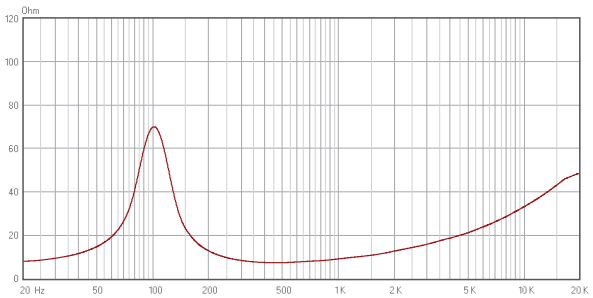
Specifications

Model		D6D210
Nominal diameter	in.	6.5
Power handling capacity	W(AES)	200
Max power	Watts	400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	93.5
Frequency range	Hz	80-3.5K
Voice coil diameter	mm/in	51.5/2
Fs	Hz	90
Re	Ω	6.0
Qms		6.19
Qes		0.34
Qts		0.33
Vas	L	4
Mms	gr	17
Cms	mm/N	0.14
BL	Tm	14.0
Le	mH	0.42
Xmax	mm	4.0
nO	%	1.0
Sd	cm^2	133
Overall diameter	mm	164
Bolt circle diamete	mm	168
Baffle cut-out diameter	mm	148
Overall depth	mm	81
Net weight	Kg	1.3

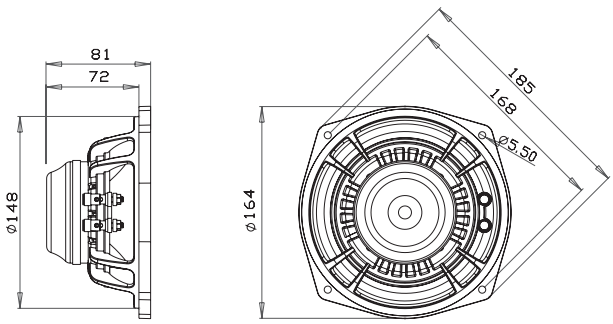
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

WOOFER

D5C100

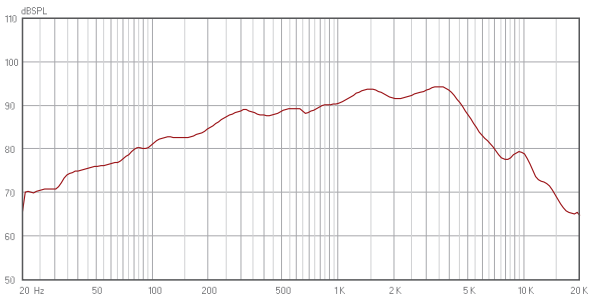
- 300 Watt Max Power
- 38.5mm (1.5 inch) voice coil
- 90Hz to 4KHz frequency response
- 92 dB 1W@1m sensitivity
- Neodymium magnet structure

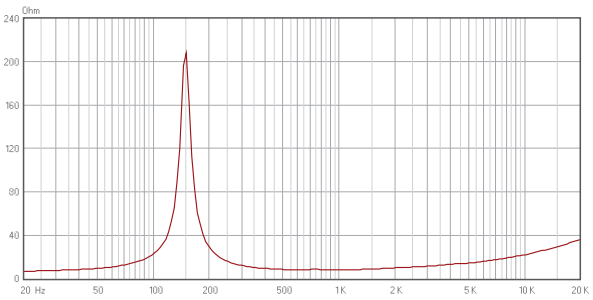
Specifications

Model		D5C100
Nominal diameter	in.	5.5
Power handling capacity	W(AES)	150
Max power	Watts	300
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	92
Frequency range	Hz	90-4K
Voice coil diameter	mm/in	38.5/1.5
Fs	Hz	95
Re	Ω	6.5
Qms		4.80
Qes		0.41
Qts		0.38
Vas	L	3
Mms	gr	12
Cms	mm/N	0.20
BL	Tm	12.0
Le	mH	0.28
Xmax	mm	4.5
nO	%	0.7
Sd	cm^2	78
Overall diameter	mm	135
Bolt circle diamete	mm	138
Baffle cut-out diameter	mm	125
Overall depth	mm	78
Net weight	Kg	1

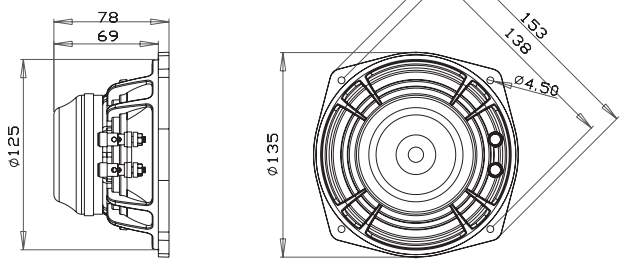
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



Ferrite

FERRITE

WOOFER

K15G610

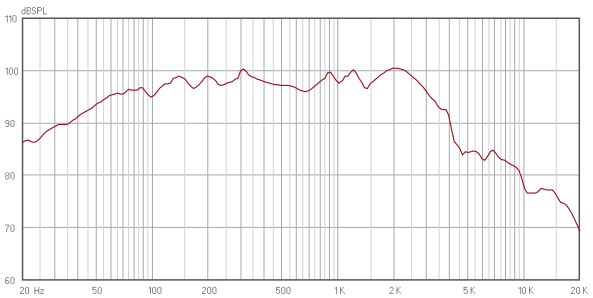
- 1300 Watt Max Power
- 99.5mm (4 inch) voice coil
- 45Hz to 2KHz frequency response
- 100dB 1W@1m sensitivity
- Ferrite magnet structure

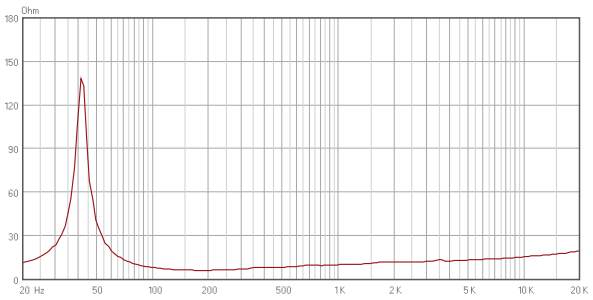
Specifications

Model		K15G610
Nominal diameter	in.	15
Power handling capacity	W(AES)	650
Max power	Watts	1300
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	100
Frequency range	Hz	45-2K
Voice coil diameter	mm/in	99.5/4
Fs	Hz	45
Re	Ω	4.2
Qms		4.56
Qes		0.31
Qts		0.29
Vas	L	105
Mms	gr	118
Cms	mm/N	0.10
BL	Tm	21.6
Le	mH	0.46
Xmax	mm	5.6
nO	%	3.2
Sd	cm^2	855
Overall diameter	mm	390
Bolt circle diamete	mm	370-377
Baffle cut-out diameter	mm	362
Overall depth	mm	164
Net weight	Kg	11

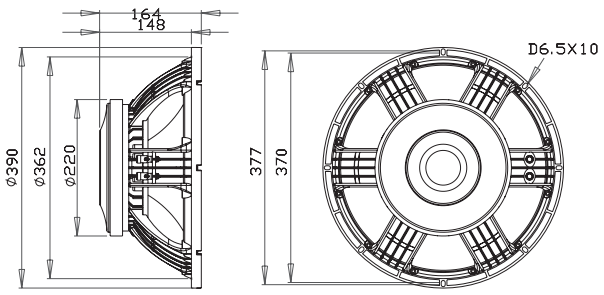
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K15N480

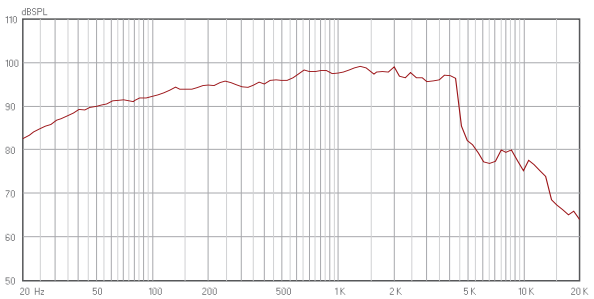
- 960 Watt Max Power
- 88.7mm(3.5inch) voice coil
- 44Hz to 2.5KHz frequency response
- 98dB 1W@1m sensitivity
- Ferrite magnet structure

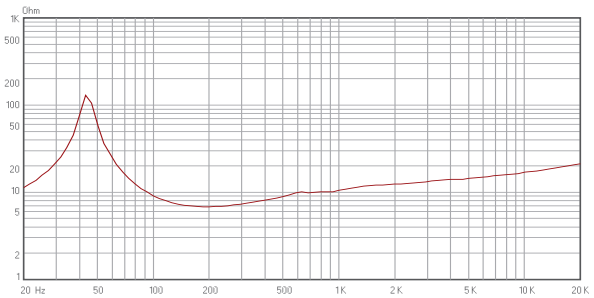
Specifications

Model		K15N480
Nominal diameter	in.	15
Power handling capacity	W(AES)	480
Max power	Watts	960
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	44-2.5K
Voice coil diameter	mm/in	88.7/3.5
Fs	Hz	44
Re	Ω	5.5
Qms		7.04
Qes		0.35
Qts		0.34
Vas	L	127
Mms	gr	105
Cms	mm/N	0.12
BL	Tm	21.5
Le	mH	0.23
Xmax	mm	6.5
nO	%	3
Sd	cm^2	855
Overall diameter	mm	392
Bolt circle diamete	mm	370-375
Baffle cut-out diameter	mm	358
Overall depth	mm	170
Net weight	Kg	8.9

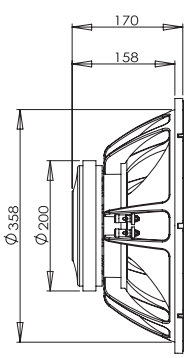
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

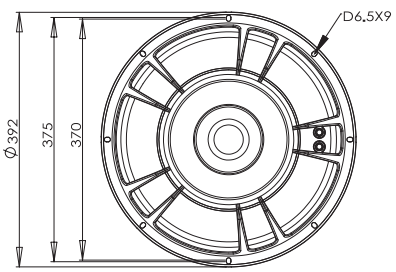
Frequency Response and Impedance Magnitude Curve





Dimension Drawings





FERRITE

WOOFER

K15F460

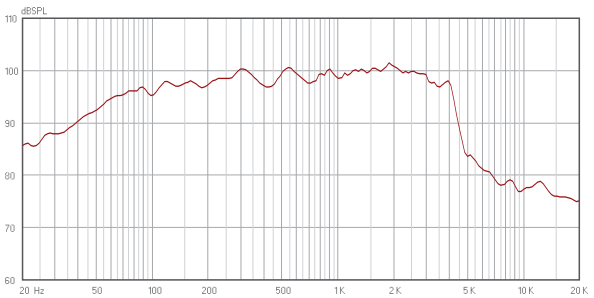
- 900 Watt Max Power
- 75.5mm (3 inch) voice coil
- 50Hz to 2.5KHz frequency response
- 99dB 1W@1m sensitivity
- Ferrite magnet structure

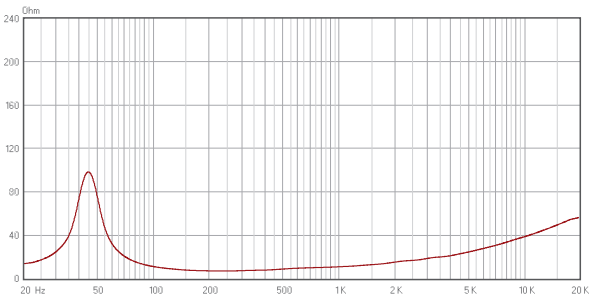
Specifications

Model		K15F460
Nominal diameter	in.	15
Power handling capacity	W(AES)	450
Max power	Watts	900
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	99
Frequency range	Hz	50-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	50
Re	Ω	6.0
Qms		3.79
Qes		0.34
Qts		0.32
Vas	L	106
Mms	gr	97
Cms	mm/N	0.10
BL	Tm	23.0
Le	mH	0.52
Xmax	mm	5.1
nO	%	3.8
Sd	cm^2	855
Overall diameter	mm	392
Bolt circle diamete	mm	370-375
Baffle cut-out diameter	mm	358
Overall depth	mm	170
Net weight	Kg	9.5

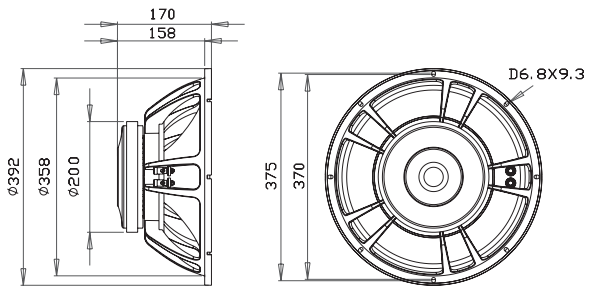
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K15F410

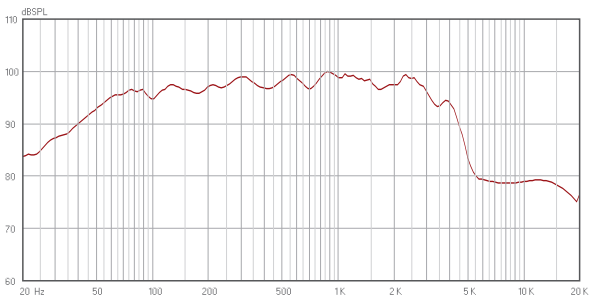
- 800 Watt Max Power •
- 75.5mm (3 inch) voice coil •
- 50Hz to 2.5KHz frequency response •
- 98dB 1W@1m sensitivity •
- Ferrite magnet structure •

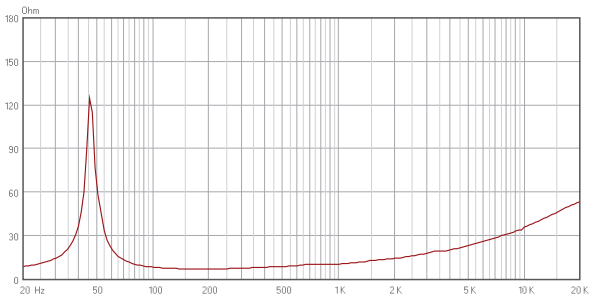
Specifications

Model		K15F410
Nominal diameter	in.	15
Power handling capacity	W(AES)	400
Max power	Watts	800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	50-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	54
Re	Ω	5.5
Qms		4.15
Qes		0.54
Qts		0.48
Vas	L	92
Mms	gr	96
Cms	mm/N	0.09
BL	Tm	18.2
Le	mH	0.46
Xmax	mm	5.4
nO	%	2.6
Sd	cm^2	855
Overall diameter	mm	392
Bolt circle diamete	mm	370-375
Baffle cut-out diameter	mm	358
Overall depth	mm	170
Net weight	Kg	7.7

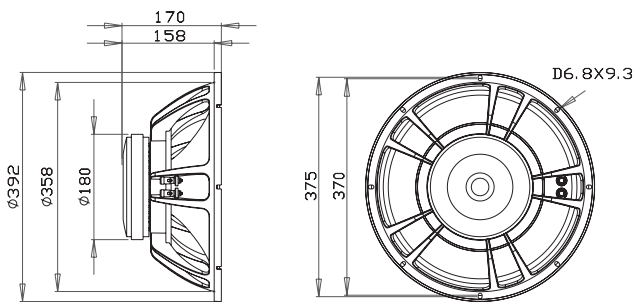
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K15F330

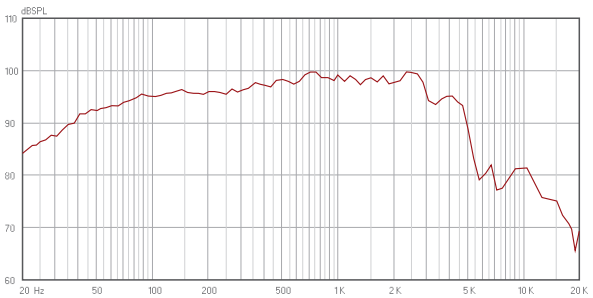
- 600 Watt Max Power
- 75.5mm(3inch) voice coil
- 42Hz to 2.5KHz frequency response
- 97dB 1W@1m sensitivity
- Ferrite magnet structure

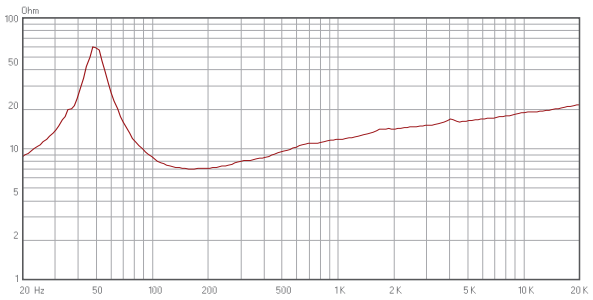
Specifications

Model		K15F330
Nominal diameter	in.	15
Power handling capacity	W(AES)	300
Max power	Watts	600
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	42-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	42
Re	Ω	5.5
Qms		5.89
Qes		0.5
Qts		0.46
Vas	L	131
Mms	gr	115
Cms	mm/N	0.12
BL	Tm	19.2
Le	mH	0.27
Xmax	mm	5.3
nO	%	2
Sd	cm^2	881
Overall diameter	mm	390
Bolt circle diamete	mm	370
Baffle cut-out diameter	mm	356
Overall depth	mm	164
Net weight	Kg	6.6

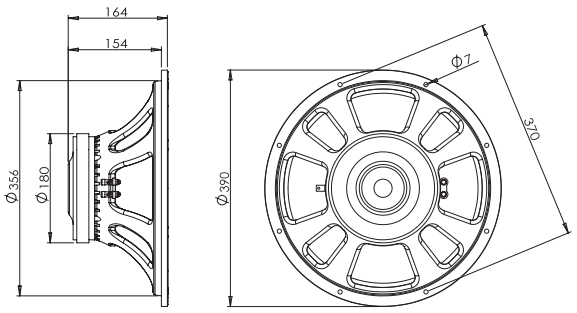
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K12G510

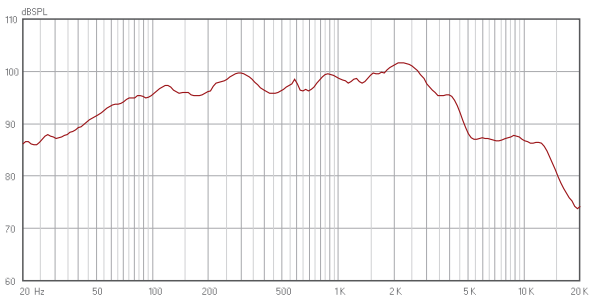
- 1200 Watt Max Power •
- 99.5mm (4 inch) voice coil •
- 50Hz to 2KHz frequency response •
- 97dB 1W@1m sensitivity •
- Ferrite magnet structure •

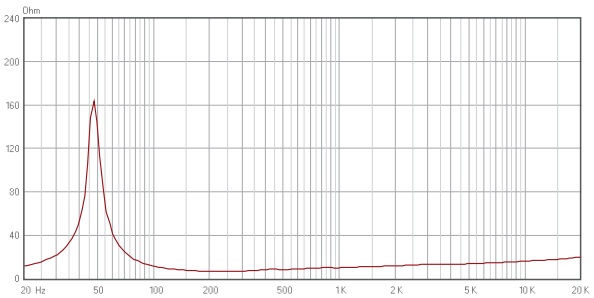
Specifications

Model		K12G510
Nominal diameter	in.	12
Power handling capacity	W(AES)	600
Max power	Watts	1200
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	50-2K
Voice coil diameter	mm/in	99.5/4
Fs	Hz	49
Re	Ω	5.0
Qms		8.62
Qes		0.26
Qts		0.25
Vas	L	45
Mms	gr	84
Cms	mm/N	0.13
BL	Tm	23.0
Le	mH	0.46
Xmax	mm	4.5
nO	%	2.0
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	293-300
Baffle cut-out diameter	mm	282
Overall depth	mm	146
Net weight	Kg	10

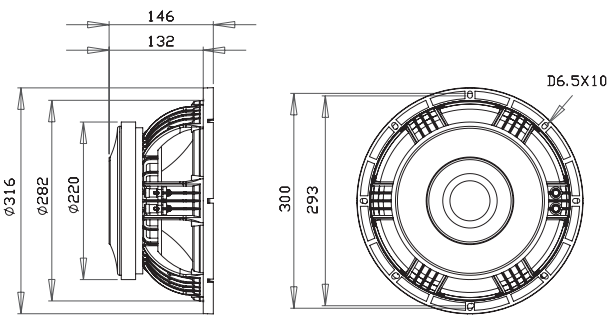
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K12N480

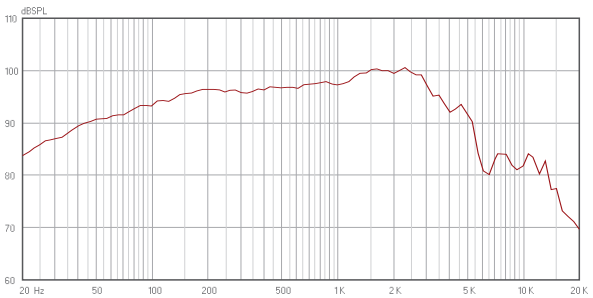
- 960 Watt Max Power
- 88.7mm(3.5inch) voice coil
- 45Hz to 2.5KHz frequency response
- 97dB 1W@1m sensitivity
- Ferrite magnet structure

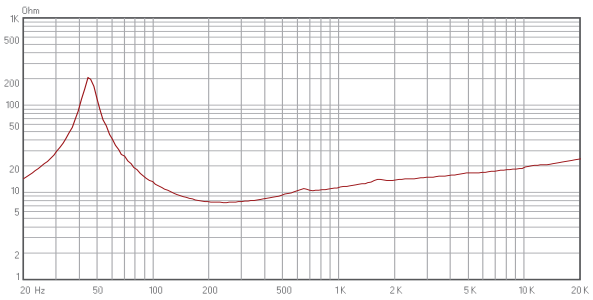
Specifications

Model		K12N480
Nominal diameter	in.	12
Power handling capacity	W(AES)	480
Max power	Watts	960
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	45-2.5
Voice coil diameter	mm/in	88.7/3.5
Fs	Hz	45
Re	Ω	5.5
Qms		6.80
Qes		0.27
Qts		0.26
Vas	L	63
Mms	gr	77
Cms	mm/N	0.16
BL	Tm	21.5
Le	mH	0.23
Xmax	mm	6.5
nO	%	2.1
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	293-300
Baffle cut-out diameter	mm	282
Overall depth	mm	140
Net weight	Kg	8.2

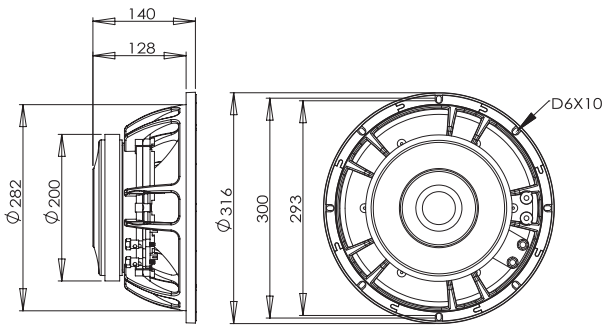
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K12F410

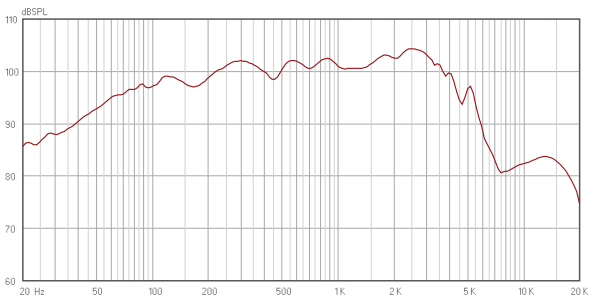
- 800 Watt Max Power •
- 75.5mm (3 inch) voice coil •
- 55Hz to 2.5KHz frequency response •
- 99 dB 1W@1m sensitivity •
- Ferrite magnet structure •

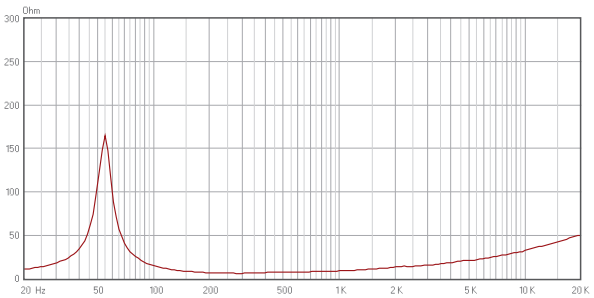
Specifications

Model		K12F410
Nominal diameter	in.	12
Power handling capacity	W(AES)	400
Max power	Watts	800
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	99
Frequency range	Hz	55-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	55
Re	Ω	5.0
Qms		7.69
Qes		0.26
Qts		0.25
Vas	L	59
Mms	gr	56
Cms	mm/N	0.15
BL	Tm	19.0
Le	mH	0.44
Xmax	mm	4.7
nO	%	3.6
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	293-300
Baffle cut-out diameter	mm	282
Overall depth	mm	140
Net weight	Kg	9

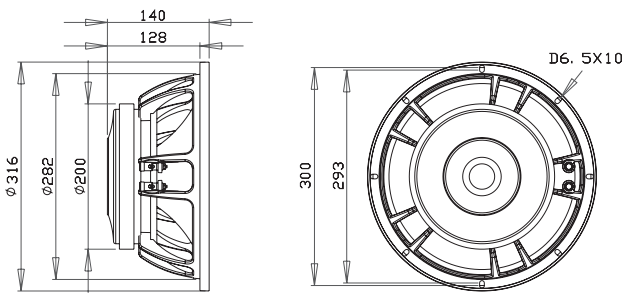
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K12F360

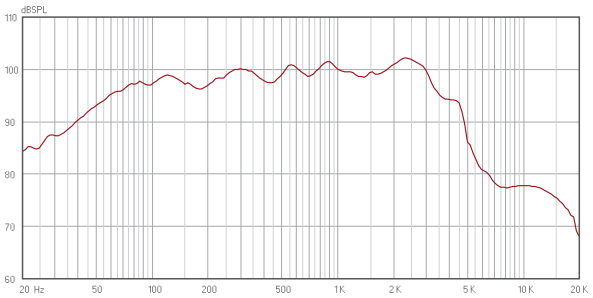
- 700 Watt Max Power
- 75.5mm (3 inch) voice coil
- 55Hz to 2.5KHz frequency response
- 97dB 1W@1m sensitivity
- Ferrite magnet structure

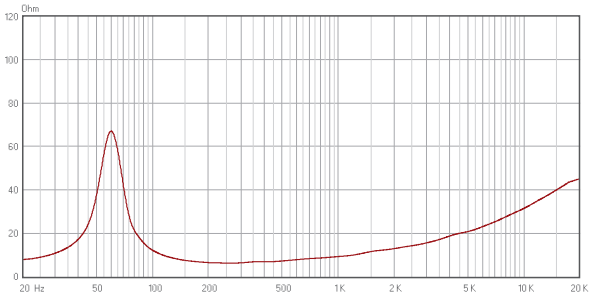
Specifications

Model		K12F360
Nominal diameter	in.	12
Power handling capacity	W(AES)	350
Max power	Watts	700
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	55-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	60
Re	Ω	5.2
Qms		7.97
Qes		0.44
Qts		0.41
Vas	L	42
Mms	gr	65
Cms	mm/N	0.11
BL	Tm	17.1
Le	mH	0.43
Xmax	mm	4.8
nO	%	2.0
Sd	cm^2	530
Overall diameter	mm	316
Bolt circle diamete	mm	293-300
Baffle cut-out diameter	mm	282
Overall depth	mm	138
Net weight	Kg	7.5

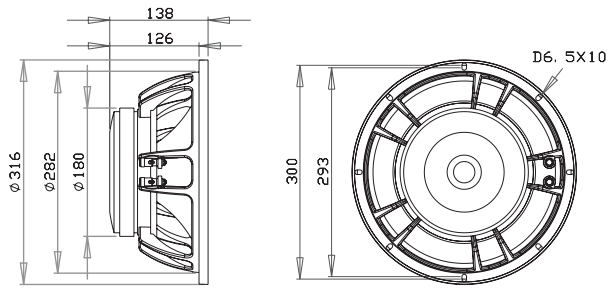
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K12F332

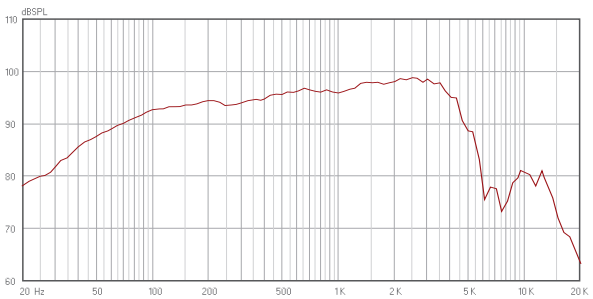
- 600 Watt Max Power •
- 75.5mm(3inch) voice coil •
- 55Hz to 2.5KHz frequency response •
- 96 dB 1W@1m sensitivity •
- Ferrite magnet structure •

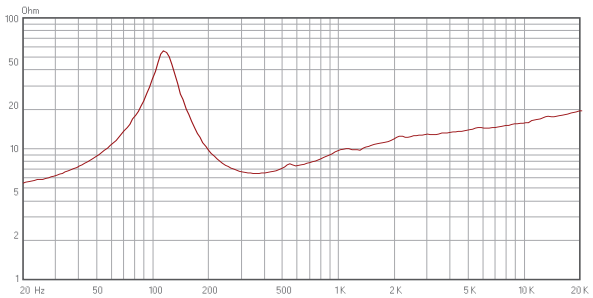
Specifications

Model		K12F332
Nominal diameter	in.	12
Power handling capacity	W(AES)	300
Max power	Watts	600
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	55-2.5K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	63
Re	Ω	5.5
Qms		5.41
Qes		0.44
Qts		0.4
Vas	L	34
Mms	gr	74
Cms	mm/N	0.09
BL	Tm	19.2
Le	mH	0.21
Xmax	mm	5.3
nO	%	1.9
Sd	cm^2	530
Overall diameter	mm	315
Bolt circle diamete	mm	296
Baffle cut-out diameter	mm	282
Overall depth	mm	140
Net weight	Kg	6.3

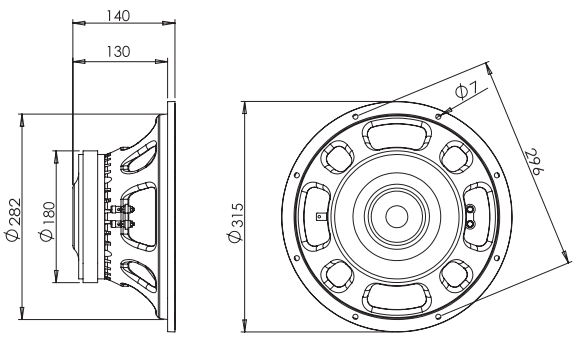
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K12E230

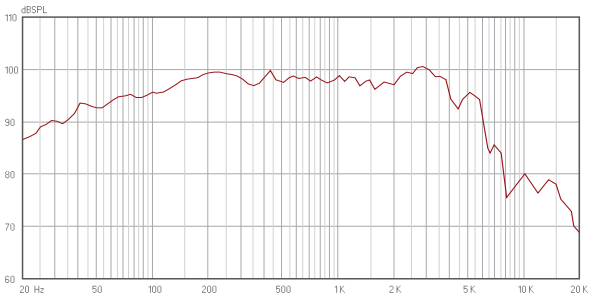
- 500 Watt Max Power
- 75.5mm(3inch) voice coil
- 55Hz to 2.5KHz frequency response
- 96 dB 1W@1m sensitivity
- Ferrite magnet structure

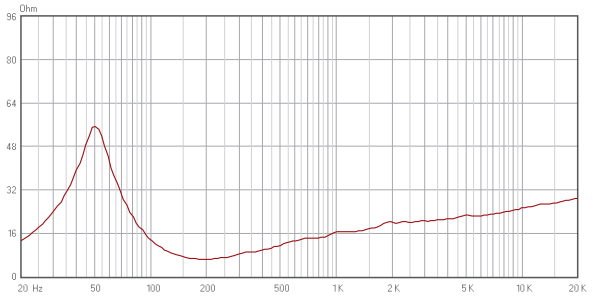
Specifications

Model		K12E230
Nominal diameter	in.	12
Power handling capacity	W(AES)	250
Max power	Watts	500
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	55-2.5K
Voice coil diameter	mm/in	63.5/2.5
Fs	Hz	49
Re	Ω	6
Qms		3.8
Qes		0.44
Qts		0.4
Vas	L	65
Mms	gr	63
Cms	mm/N	0.16
BL	Tm	17
Le	mH	0.24
Xmax	mm	4.4
nO	%	1.7
Sd	cm^2	530
Overall diameter	mm	315
Bolt circle diamete	mm	296
Baffle cut-out diameter	mm	282
Overall depth	mm	136
Net weight	Kg	4.6

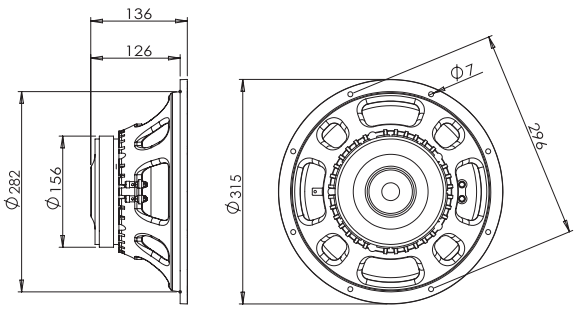
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K10F360

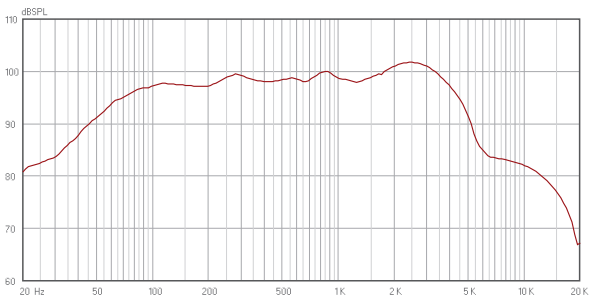
- 700 Watt Max Power
- 75.5mm(3inch) voice coil
- 60Hz to 2KHz frequency response
- 96 dB 1W@1m sensitivity
- Ferrite magnet structure

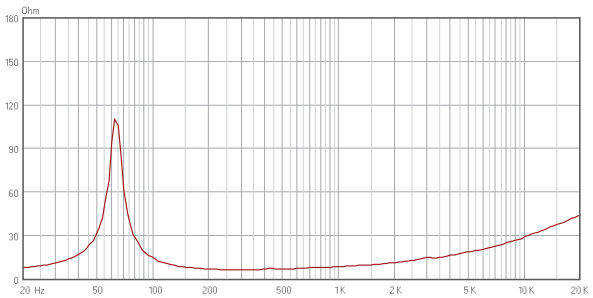
Specifications

Model		K10F360
Nominal diameter	in.	10
Power handling capacity	W(AES)	350
Max power	Watts	700
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	96
Frequency range	Hz	60-2K
Voice coil diameter	mm/in	75.5/3
Fs	Hz	65
Re	Ω	5.0
Qms		7.82
Qes		0.40
Qts		0.38
Vas	L	21
Mms	gr	46
Cms	mm/N	0.13
BL	Tm	15.3
Le	mH	0.38
Xmax	mm	4.6
nO	%	1.5
Sd	cm^2	346
Overall diameter	mm	262
Bolt circle diamete	mm	244
Baffle cut-out diameter	mm	230
Overall depth	mm	122
Net weight	Kg	6.5

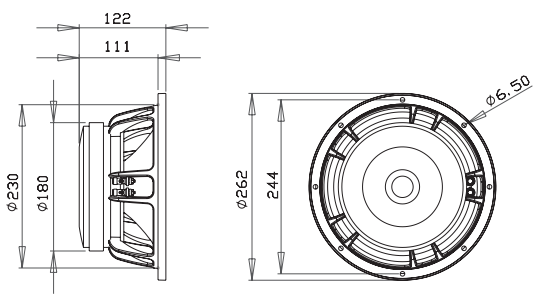
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K10E260

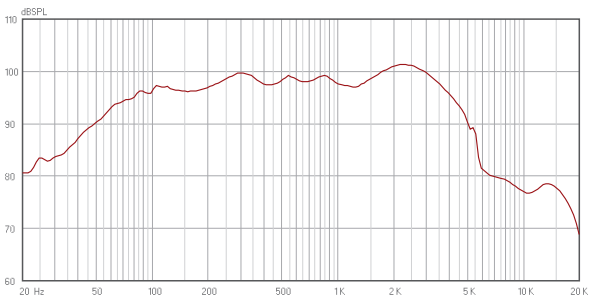
- 500 Watt Max Power
- 63.5mm (2.5 inch) voice coil
- 65Hz to 2KHz frequency response
- 95 dB 1W@1m sensitivity
- Ferrite magnet structure

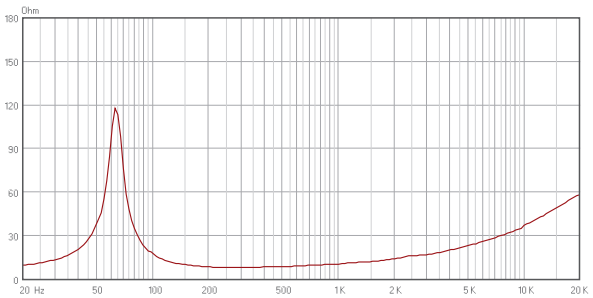
Specifications

Model		K10E260
Nominal diameter	in.	10
Power handling capacity	W(AES)	250
Max power	Watts	500
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	95
Frequency range	Hz	65-2K
Voice coil diameter	mm/in	63.5/2.5
Fs	Hz	68
Re	Ω	6.0
Qms		4.92
Qes		0.41
Qts		0.38
Vas	L	20
Mms	gr	45
Cms	mm/N	0.12
BL	Tm	17.0
Le	mH	0.50
Xmax	mm	4.7
nO	%	1.5
Sd	cm^2	346
Overall diameter	mm	262
Bolt circle diamete	mm	244
Baffle cut-out diameter	mm	230
Overall depth	mm	115
Net weight	Kg	4.6

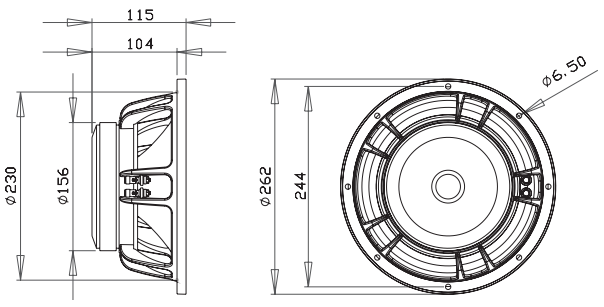
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K10E230

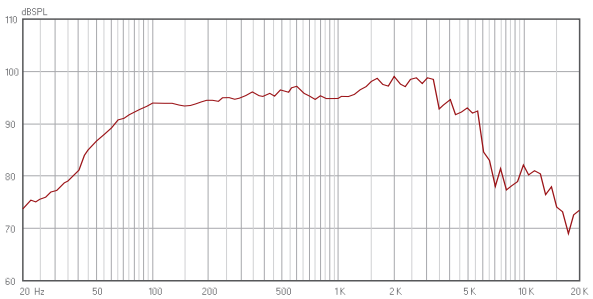
- 500 Watt Max Power •
- 63.5mm(2.5inch) voice coil •
- 58Hz to 2.5KHz frequency response •
- 95 dB 1W@1m sensitivity •
- Ferrite magnet structure •

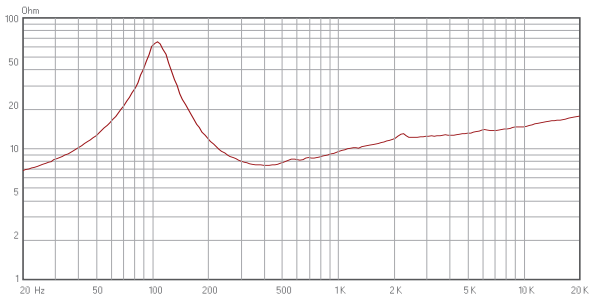
Specifications

Model		K10E230
Nominal diameter	in.	10
Power handling capacity	W(AES)	250
Max power	Watts	500
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	95
Frequency range	Hz	58-2.5K
Voice coil diameter	mm/in	63.5/2.5
Fs	Hz	70
Re	Ω	6
Qms		4.31
Qes		0.4
Qts		0.36
Vas	L	19
Mms	gr	45
Cms	mm/N	0.04
BL	Tm	17
Le	mH	0.13
Xmax	mm	4.4
nO	%	1.6
Sd	cm^2	346
Overall diameter	mm	262
Bolt circle diamete	mm	244
Baffle cut-out diameter	mm	230
Overall depth	mm	117
Net weight	Kg	4.6

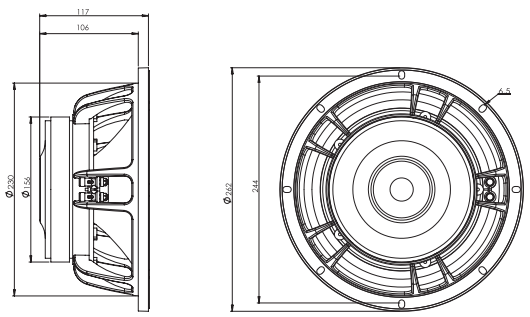
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K8E260

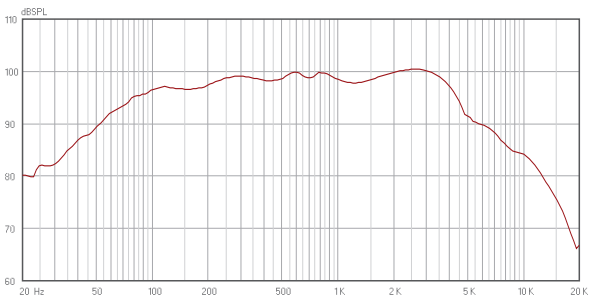
- 500 Watt Max Power
- 63.5mm (2.5 inch) voice coil
- 70Hz to 2.5KHz frequency response
- 93 dB 1W@1m sensitivity
- Ferrite magnet structure

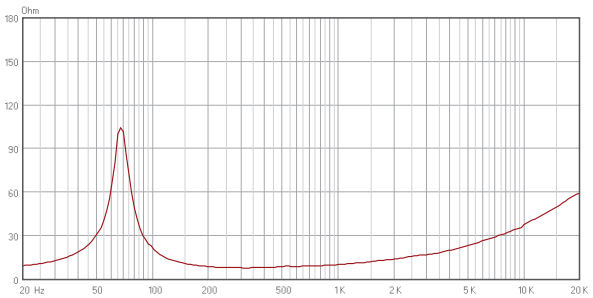
Specifications

Model		K8E260
Nominal diameter	in.	8
Power handling capacity	W(AES)	250
Max power	Watts	500
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	93
Frequency range	Hz	70-2.5K
Voice coil diameter	mm/in	63.5/2.5
Fs	Hz	68
Re	Ω	6.0
Qms		6.08
Qes		0.37
Qts		0.35
Vas	L	12
Mms	gr	31
Cms	mm/N	0.17
BL	Tm	14.8
Le	mH	0.52
Xmax	mm	4.3
nO	%	1.0
Sd	cm^2	221
Overall diameter	mm	210
Bolt circle diamete	mm	196
Baffle cut-out diameter	mm	185
Overall depth	mm	91
Net weight	Kg	3.8

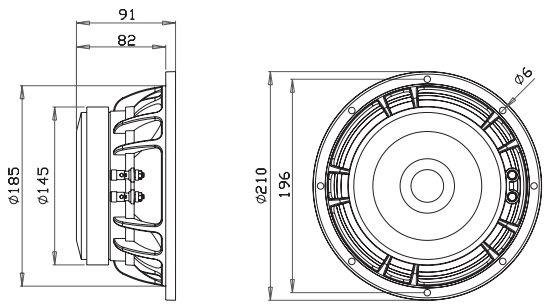
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K8D212

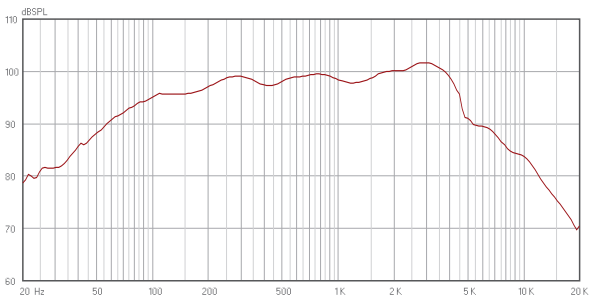
- 400 Watt Max Power •
- 51.5mm(2 inch) voice coil •
- 75Hz to 3 Khz frequency response •
- 95 dB 1W@1m sensitivity •
- Ferrite magnet structure •

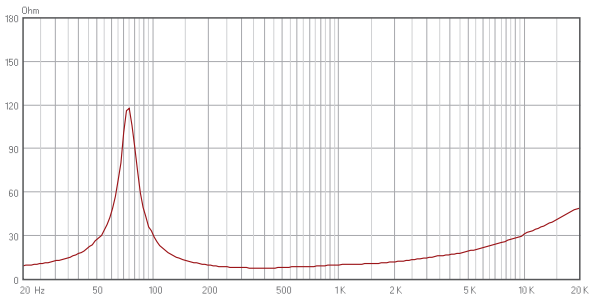
Specifications

Model		K8D212
Nominal diameter	in.	8
Power handling capacity	W(AES)	200
Max power	Watts	400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	95
Frequency range	Hz	75-3K
Voice coil diameter	mm/in	51.5/2
Fs	Hz	68
Re	Ω	6.0
Qms		8.01
Qes		0.36
Qts		0.34
Vas	L	16
Mms	gr	26
Cms	mm/N	0.18
BL	Tm	13.6
Le	mH	0.43
Xmax	mm	3.5
nO	%	1.5
Sd	cm^2	213
Overall diameter	mm	210
Bolt circle diamete	mm	196
Baffle cut-out diameter	mm	185
Overall depth	mm	91
Net weight	Kg	3.3

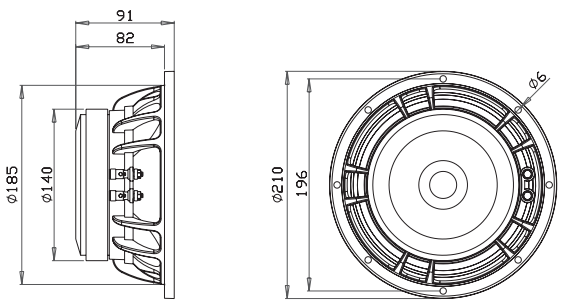
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K6D210

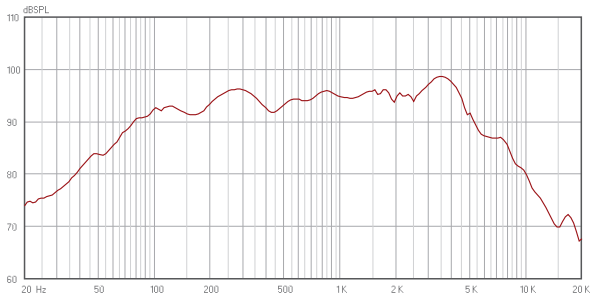
- 400 Watt Max Power
- 51.5mm (2 inch) voice coil
- 80Hz to 3KHz frequency response
- 91 dB 1W@1m sensitivity
- Ferrite magnet structure

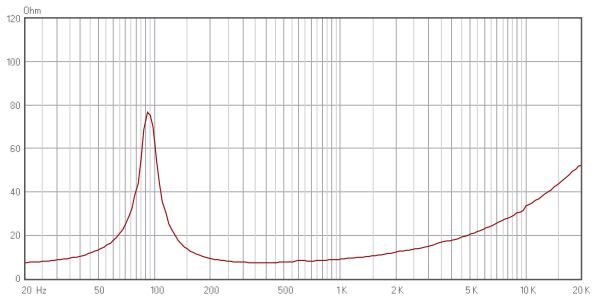
Specifications

Model		K6D210
Nominal diameter	in.	6.5
Power handling capacity	W(AES)	200
Max power	Watts	400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	91
Frequency range	Hz	80-3K
Voice coil diameter	mm/in	51.5/2
Fs	Hz	90
Re	Ω	6.0
Qms		3.51
Qes		0.45
Qts		0.40
Vas	L	4
Mms	gr	17
Cms	mm/N	0.14
BL	Tm	12.0
Le	mH	0.46
Xmax	mm	4.0
nO	%	0.7
Sd	cm ^ 2	133
Overall diameter	mm	164
Bolt circle diamete	mm	168
Baffle cut-out diameter	mm	148
Overall depth	mm	85
Net weight	Kg	2.7

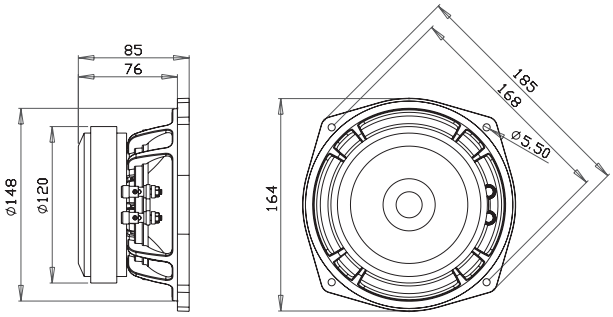
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

WOOFER

K5C100

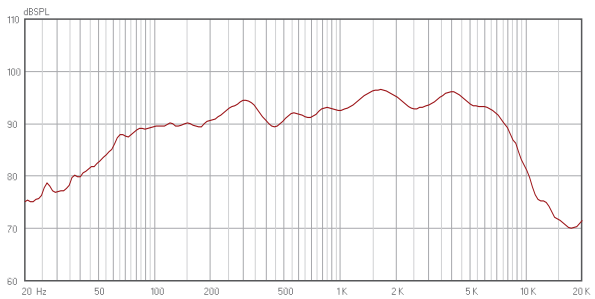
- 300 Watt Max Power •
- 38.5mm(1.5 inch) voice coil •
- 90Hz to 5KHz frequency response •
- 90 dB 1W@1m sensitivity •
- Ferrite magnet structure •

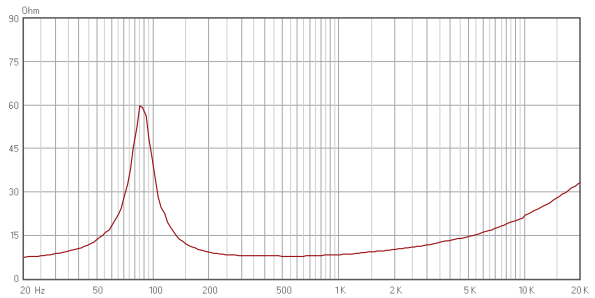
Specifications

Model		K5C100
Nominal diameter	in.	5.5
Power handling capacity	W(AES)	150
Max power	Watts	300
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	90
Frequency range	Hz	90-5K
Voice coil diameter	mm/in	38.5/1.5
Fs	Hz	90
Re	Ω	6.0
Qms		6.59
Qes		0.40
Qts		0.38
Vas	L	2.5
Mms	gr	12
Cms	mm/N	0.26
BL	Tm	10.2
Le	mH	0.3
Xmax	mm	4.0
nO	%	0.45
Sd	cm^2	83
Overall diameter	mm	135
Bolt circle diamete	mm	138
Baffle cut-out diameter	mm	125
Overall depth	mm	73
Net weight	Kg	1.5

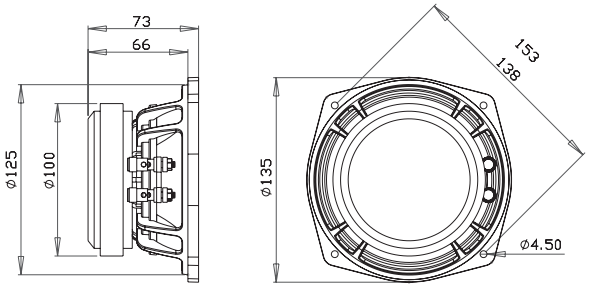
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



Coaxial

NEODYMIUM

COAXIAL

CD15F640H

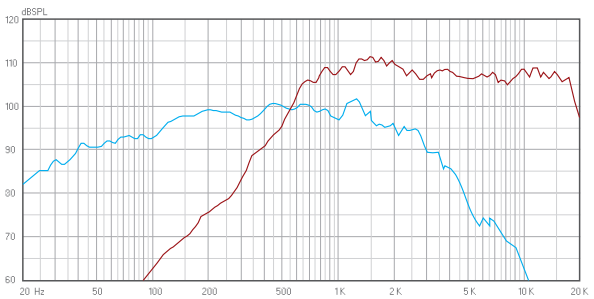
- Point source coaxial design
- 900 Watt Max Power
- 50Hz to 18KHz frequency response
- 99dB 1W@1m sensitivity
- Neodymium magnet structure

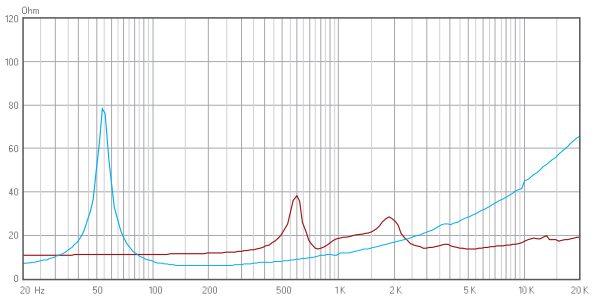
Specifications

	Model		CD15F640H
	Nominal diameter	in.	15
	Power handling capacity	W(AEC)	450
	Max power	Watts	900
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	50-18K
LF	Sensitivity (1W/1m)	dB	99.5
LF	Voice coil diameter	mm/in	75.5/3
LF	Fs	Hz	50
LF	Re	Ω	5.5
LF	Qms		4.50
LF	Qes		0.41
LF	Qts		0.38
LF	Vas	L	119
LF	Mms	gr	88
LF	Cms	mm/N	0.11
LF	BL	Tm	19.2
LF	Xmax	mm	5.0
HF	Throat diameter	mm/in.	35/1.4
HF	Power handling capacity	W(AES)	60
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	106
HF	Frequency range	Hz	1K-18K
HF	Voice coil diameter	mm/in	63.5/2.5
HF	Re	Ω	11
	Overall diameter	mm	392
	Bolt circle diameter	mm	370-375
	Baffle cut-out diameter	mm	358
	Overall depth	mm	189
	Net weight	Kg	5.5

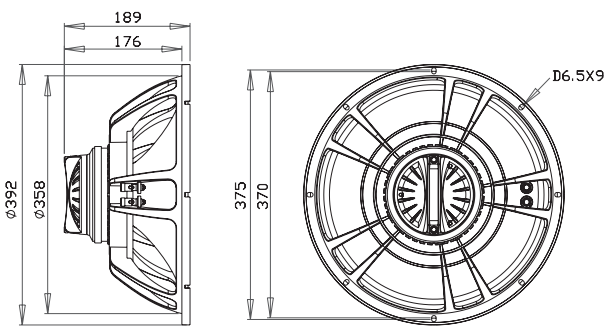
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

COAXIAL

CD15F640

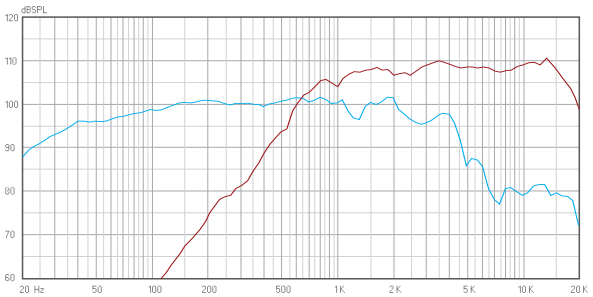
- Point source coaxial design
- 900 Watt Max Power
- 50Hz to 18KHz frequency response
- 99dB 1W@1m sensitivity
- Neodymium magnet structure

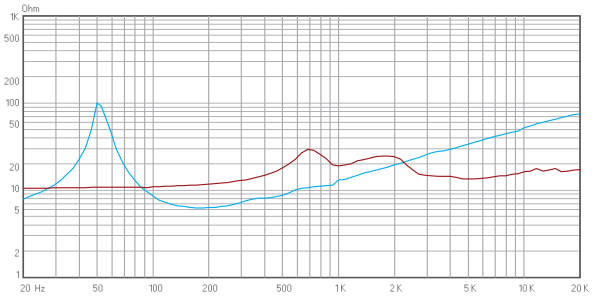
Specifications

	Model		CD15F640
	Nominal diameter	in.	15
	Power handling capacity	W(AEC)	450
	Max power	Watts	900
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	50-18K
LF	Sensitivity (1W/1m)	dB	99.5
LF	Voice coil diameter	mm/in	75.5/3
LF	Fs	Hz	49
LF	Re	Ω	5.5
LF	Qms		6.03
LF	Qes		0.41
LF	Qts		0.38
LF	Vas	L	119
LF	Mms	gr	92
LF	Cms	mm/N	0.11
LF	BL	Tm	19.2
LF	Xmax	mm	5.0
HF	Throat diameter	mm/in.	35/1.4
HF	Power handling capacity	W(AES)	60
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	106
HF	Frequency range	Hz	1.5-18K
HF	Voice coil diameter	mm/in	63.5/2.5
HF	Re	Ω	11
	Overall diameter	mm	392
	Bolt circle diameter	mm	370-375
	Baffle cut-out diameter	mm	358
	Overall depth	mm	190
	Net weight	Kg	5.7

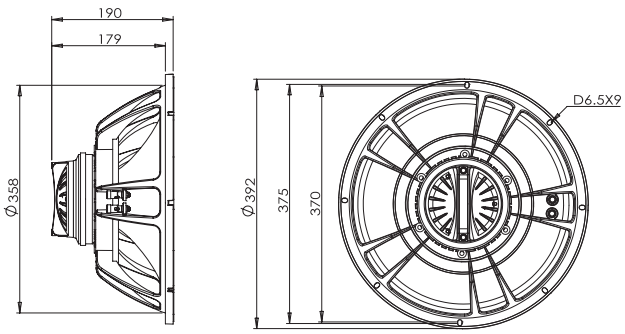
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



A&D AUDIO™

NEODYMIUM

COAXIAL

C15FD760H

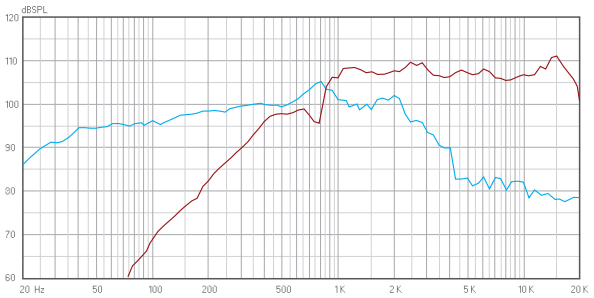
- Point source coaxial design
- 900 Watt Max Power
- 50Hz to 20KHz frequency response
- 99dB 1W@1m sensitivity
- HF-Neodymium/LF-Ferrite magnet structure

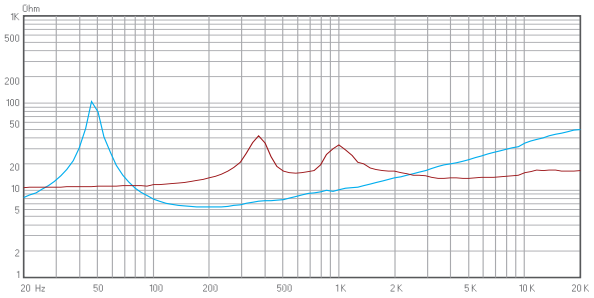
Specifications

	Model		C15FD760H
	Nominal diameter	in.	15
	Power handling capacity	W(AEC)	450
	Max power	Watts	900
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	50-20K
LF	Sensitivity (1W/1m)	dB	99
LF	Voice coil diameter	mm/in	75.5/3
LF	Fs	Hz	50
LF	Re	Ω	5.5
LF	Qms		11.00
LF	Qes		0.32
LF	Qts		0.31
LF	Vas	L	127
LF	Mms	gr	80
LF	Cms	mm/N	0.12
LF	BL	Tm	22
LF	Xmax	mm	5.0
HF	Throat diameter	mm/in.	35/1.4
HF	Power handling capacity	W(AES)	70
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	110
HF	Frequency range	Hz	900-20K
HF	Voice coil diameter	mm/in	74.5
HF	Re	Ω	11.5
	Overall diameter	mm	392
	Bolt circle diameter	mm	370-375
	Baffle cut-out diameter	mm	358
	Overall depth	mm	235
	Net weight	Kg	11

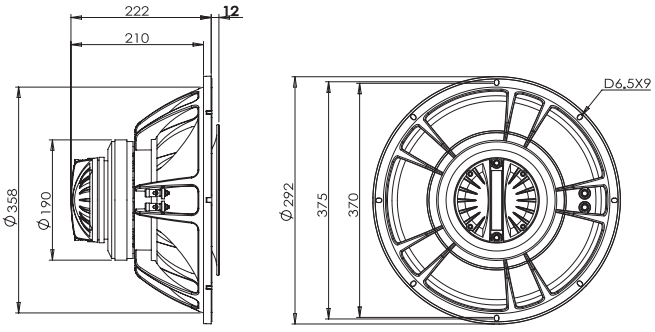
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

COAXIAL

C12F455H

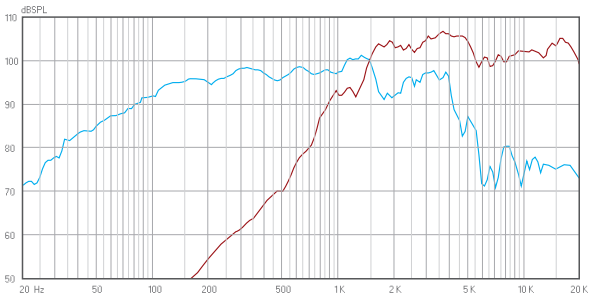
- Point source coaxial design
- 800 Watt Max Power
- 58Hz to 20KHz frequency response
- 98.5dB 1W@1m sensitivity
- Ferrite magnet structure

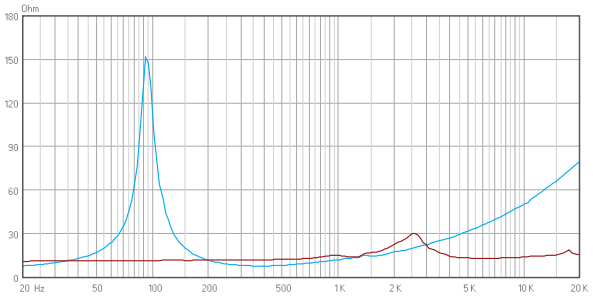
Specifications

	Model		C12F455H
	Nominal diameter	in.	12
	Power handling capacity	W(AEC)	400
	Max power	Watts	800
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	58-20K
LF	Sensitivity (1W/1m)	dB	98.5
LF	Voice coil diameter	mm/in	75.5/3
LF	Fs	Hz	58
LF	Re	Ω	6
LF	Qms		8.74
LF	Qes		0.30
LF	Qts		0.29
LF	Vas	L	52
LF	Mms	gr	57
LF	Cms	mm/N	0.13
LF	BL	Tm	20
LF	Xmax	mm	5.0
HF	Throat diameter	mm/in.	25/1
HF	Power handling capacity	W(AES)	45
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	102
HF	Frequency range	Hz	1.5K-20K
HF	Voice coil diameter	mm/in	44.4/1.75
HF	Re	Ω	12
	Overall diameter	mm	316
	Bolt circle diameter	mm	293-300
	Baffle cut-out diameter	mm	282
	Overall depth	mm	194
	Net weight	Kg	9.3

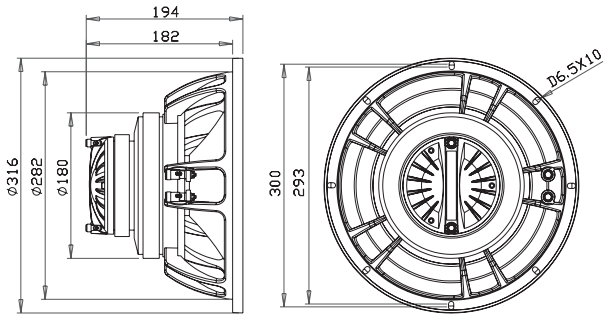
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

COAXIAL

CD12F450H

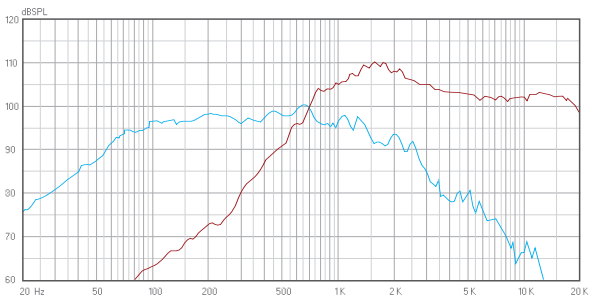
- Point source coaxial design
- 800 Watt Max Power
- 65Hz to 20KHz frequency response
- 98dB 1W@1m sensitivity
- Neodymium magnet structure

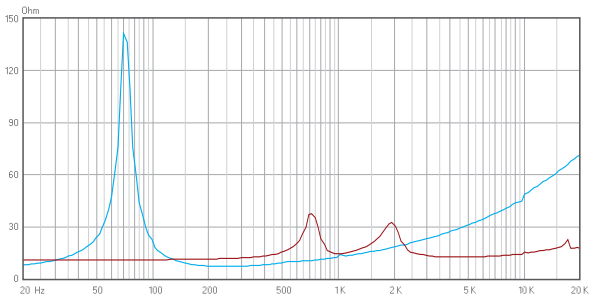
Specifications

	Model		CD12F450H
	Nominal diameter	in.	12
	Power handling capacity	W(AEC)	400
	Max power	Watts	800
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	65-20K
LF	Sensitivity (1W/1m)	dB	98.5
LF	Voice coil diameter	mm/in	75.5/3
LF	Fs	Hz	70
LF	Re	Ω	6
LF	Qms		5.12
LF	Qes		0.38
LF	Qts		0.36
LF	Vas	L	35
LF	Mms	gr	55
LF	Cms	mm/N	0.09
LF	BL	Tm	19.8
LF	Xmax	mm	5.0
HF	Throat diameter	mm/in.	25/1
HF	Power handling capacity	W(AES)	45
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	102
HF	Frequency range	Hz	1.5K-20K
HF	Voice coil diameter	mm/in	44.4/1.75
HF	Re	Ω	12
	Overall diameter	mm	316
	Bolt circle diameter	mm	296
	Baffle cut-out diameter	mm	282
	Overall depth	mm	159
	Net weight	Kg	5

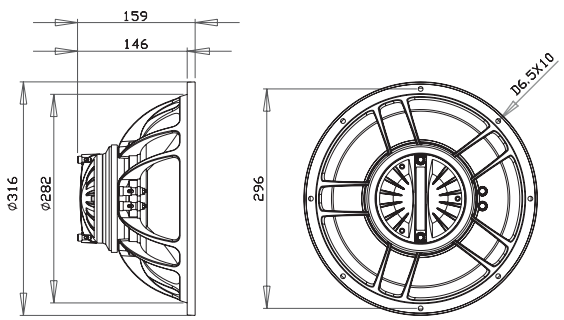
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

COAXIAL

CD12F450

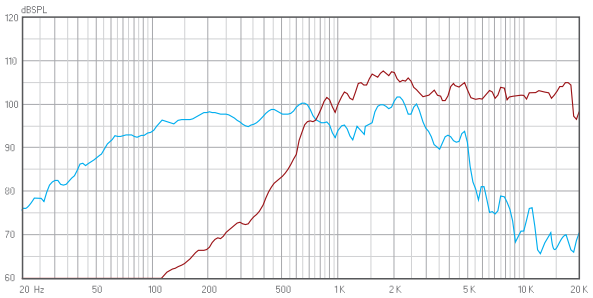
- Point source coaxial design
- 800 Watt Max Power
- 65Hz to 20KHz frequency response
- 98dB 1W@1m sensitivity
- Neodymium magnet structure

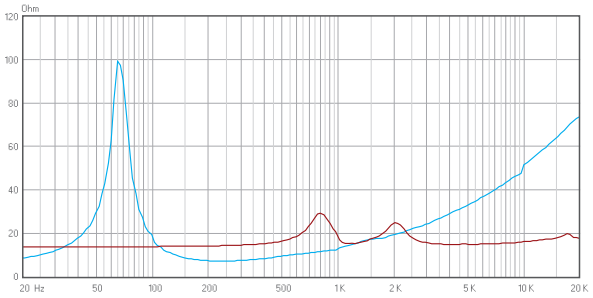
Specifications

	Model		CD12F450
	Nominal diameter	in.	12
	Power handling capacity	W(AEC)	400
	Max power	Watts	800
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	65-20K
LF	Sensitivity (1W/1m)	dB	98.5
LF	Voice coil diameter	mm/in	75.5/3
LF	Fs	Hz	70
LF	Re	Ω	6
LF	Qms		5.12
LF	Qes		0.38
LF	Qts		0.36
LF	Vas	L	35
LF	Mms	gr	57
LF	Cms	mm/N	0.09
LF	BL	Tm	19.8
LF	Xmax	mm	5.0
HF	Throat diameter	mm/in.	-
HF	Power handling capacity	W(AES)	45
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	102
HF	Frequency range	Hz	1.5K-20K
HF	Voice coil diameter	mm/in	44.4/1.75
HF	Re	Ω	12
	Overall diameter	mm	316
	Bolt circle diameter	mm	296
	Baffle cut-out diameter	mm	282
	Overall depth	mm	159
	Net weight	Kg	4.9

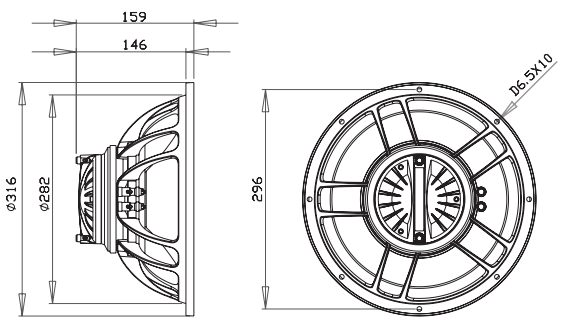
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

COAXIAL

CD10E450

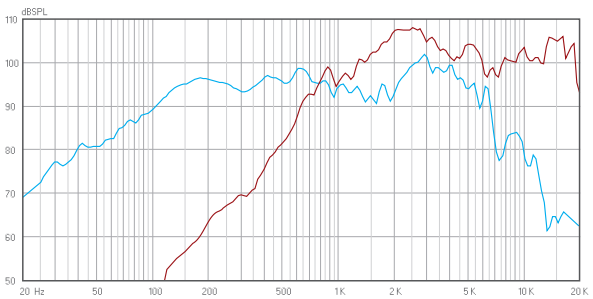
- Point source coaxial design
- 600 Watt Max Power
- 70Hz to 18KHz frequency response
- 97dB 1W@1m sensitivity
- Neodymium magnet structure

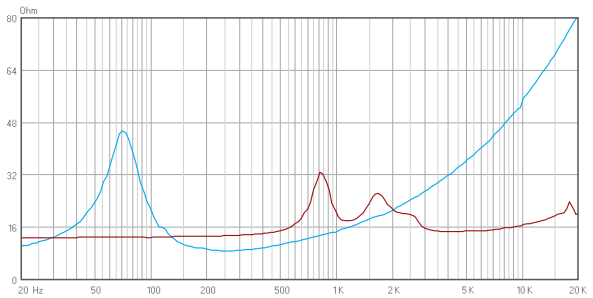
Specifications

	Model		CD10E450
	Nominal diameter	in.	10
	Power handling capacity	W(AEC)	300
	Max power	Watts	600
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	70-20K
LF	Sensitivity (1W/1m)	dB	97
LF	Voice coil diameter	mm/in	63.5/2.5
LF	Fs	Hz	70
LF	Re	Ω	6
LF	Qms		2.47
LF	Qes		0.39
LF	Qts		0.34
LF	Vas	L	28
LF	Mms	gr	32
LF	Cms	mm/N	0.16
LF	BL	Tm	14.5
LF	Xmax	mm	3.9
HF	Throat diameter	mm/in.	25/1
HF	Power handling capacity	W(AES)	45
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	102
HF	Frequency range	Hz	1.5K-20K
HF	Voice coil diameter	mm/in	44.4/1.75
HF	Re	Ω	12
	Overall diameter	mm	262
	Bolt circle diameter	mm	244
	Baffle cut-out diameter	mm	230
	Overall depth	mm	136
	Net weight	Kg	2.8

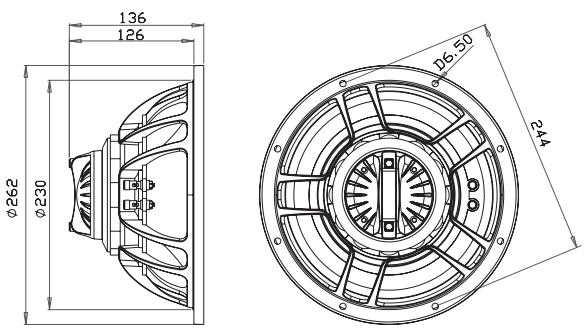
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



FERRITE

COAXIAL

C10E455

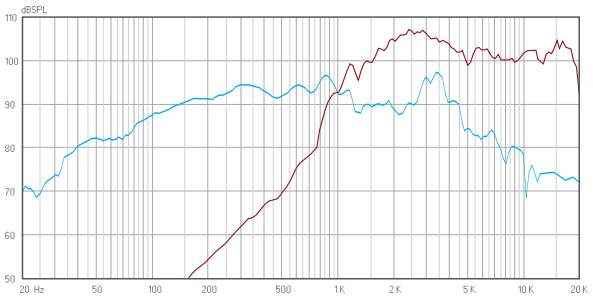
- Point source coaxial design
- 600 Watt Max Power
- 55Hz to 20KHz frequency response
- 96.5dB 1W@1m sensitivity
- Ferrite magnet structure

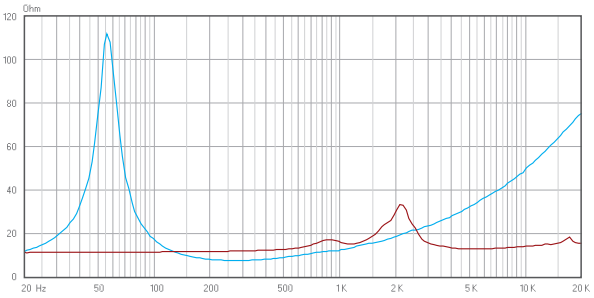
Specifications

	Model		C10E455
	Nominal diameter	in.	10
	Power handling capacity	W(AEC)	300
	Max power	Watts	600
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	55-20K
LF	Sensitivity (1W/1m)	dB	96.5
LF	Voice coil diameter	mm/in	63.5/2.5
LF	Fs	Hz	55
LF	Re	Ω	6
LF	Qms		6.50
LF	Qes		0.30
LF	Qts		0.29
LF	Vas	L	39
LF	Mms	gr	37
LF	Cms	mm/N	0.23
LF	BL	Tm	16
LF	Xmax	mm	3.9
HF	Throat diameter	mm/in.	25/1
HF	Power handling capacity	W(AES)	45
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	102
HF	Frequency range	Hz	1.5K-20K
HF	Voice coil diameter	mm/in	44.4/1.75
HF	Re	Ω	12
	Overall diameter	mm	262
	Bolt circle diameter	mm	244
	Baffle cut-out diameter	mm	230
	Overall depth	mm	174
	Net weight	Kg	7

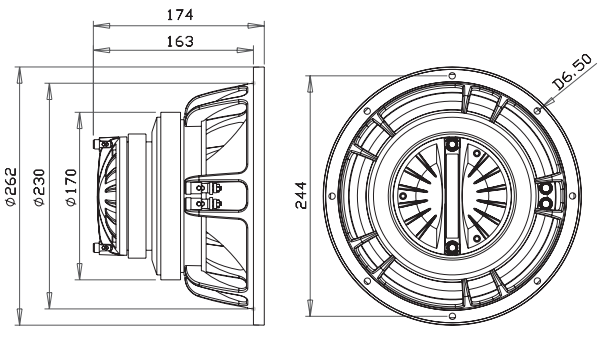
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



A&D AUDIO™

NEODYMIUM

COAXIAL

CD8D340

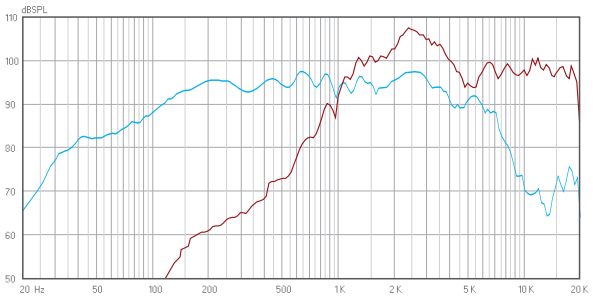
- Point source coaxial design
- 500 Watt Max Power
- 80Hz to 20KHz frequency response
- 97dB 1W@1m sensitivity
- Neodymium magnet structure

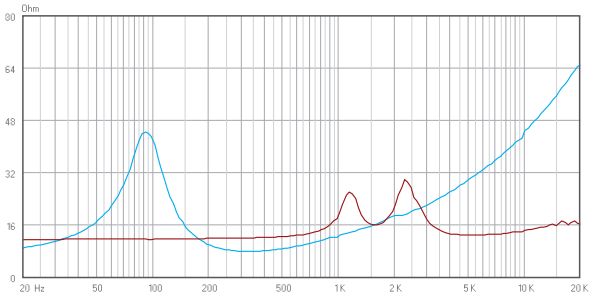
Specifications

	Model		CD8D340
	Nominal diameter	in.	8
	Power handling capacity	W(AEC)	250
	Max power	Watts	500
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	80-20K
LF	Sensitivity (1W/1m)	dB	97
LF	Voice coil diameter	mm/in	51.5/2
LF	Fs	Hz	88
LF	Re	Ω	6
LF	Qms		2.68
LF	Qes		0.33
LF	Qts		0.29
LF	Vas	L	11
LF	Mms	gr	19.8
LF	Cms	mm/N	0.16
LF	BL	Tm	14.1
LF	Xmax	mm	3.9
HF	Throat diameter	mm/in.	25/1
HF	Power handling capacity	W(AES)	30
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	100
HF	Frequency range	Hz	2K-20K
HF	Voice coil diameter	mm/in	34.4/1.35
HF	Re	Ω	11
	Overall diameter	mm	210
	Bolt circle diameter	mm	196
	Baffle cut-out diameter	mm	185
	Overall depth	mm	109
	Net weight	Kg	1.9

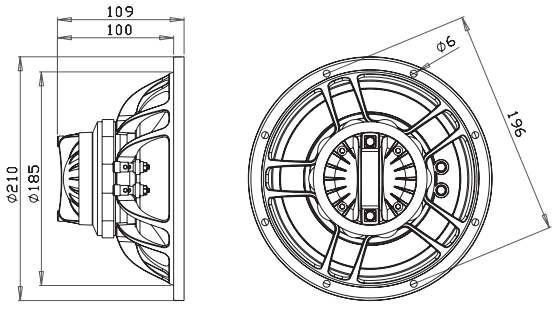
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

COAXIAL

CD6D340

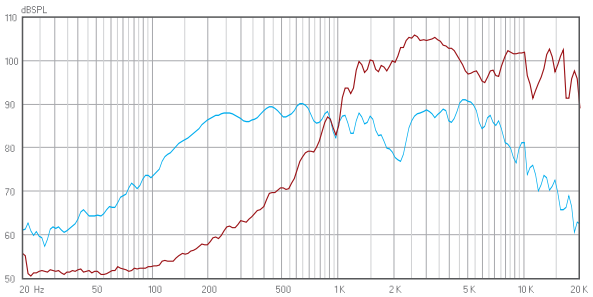
- Point source coaxial design
- 400 Watt Max Power
- 90Hz to 20KHz frequency response
- 95dB 1W@1m sensitivity
- Neodymium magnet structure

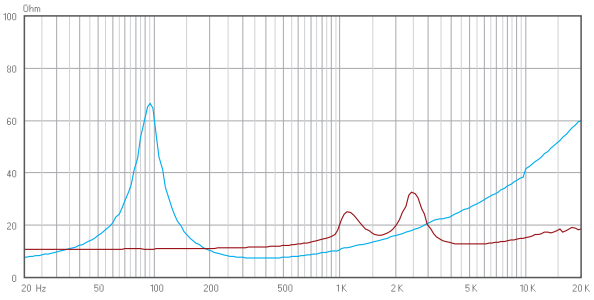
Specifications

	Model		CD6D340
	Nominal diameter	in.	6.5
	Power handling capacity	W(AEC)	200
	Max power	Watts	400
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	90-20K
LF	Sensitivity (1W/1m)	dB	95.5
	Voice coil diameter	mm/in	51.5/2
	Fs	Hz	100
	Re	Ω	6
	Qms		2.07
	Qes		0.36
	Qts		0.31
	Vas	L	3.4
	Mms	gr	17.3
	Cms	mm/N	0.14
	BL	Tm	14.1
	Xmax	mm	3.9
HF	Throat diameter	mm/in.	25/1
	Power handling capacity	W(AES)	30
	Nominal impedance	Ω	16
	Sensitivity (2.83V/1m)	dB	100
	Frequency range	Hz	2K-20K
	Voice coil diameter	mm/in	34.4/1.35
	Re	Ω	11
	Overall diameter	mm	164
	Bolt circle diameter	mm	168
	Baffle cut-out diameter	mm	148
	Overall depth	mm	104
	Net weight	Kg	1.9

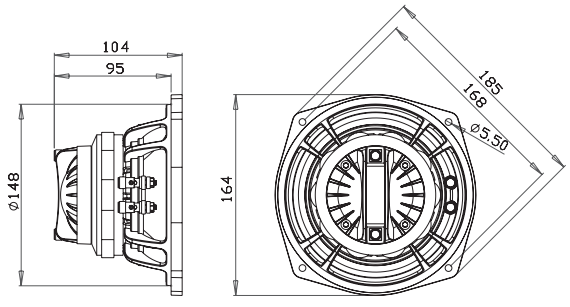
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



A&D AUDIO™

NEODYMIUM

COAXIAL

CD5C340

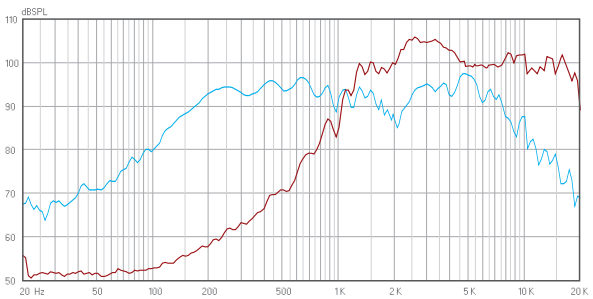
- Point source coaxial design
- 300 Watt Max Power
- 90Hz to 20KHz frequency response
- 91dB 1W@1m sensitivity
- Neodymium magnet structure

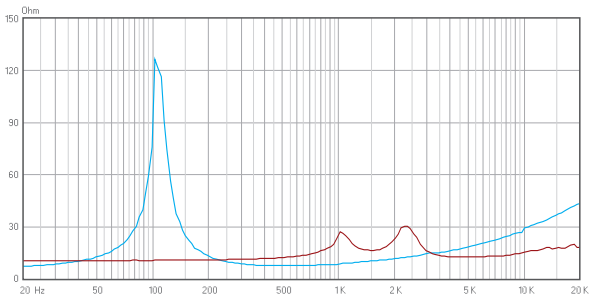
Specifications

	Model		CD5C340
	Nominal diameter	in.	5.5
	Power handling capacity	W(AEC)	150
	Max power	Watts	300
	Nominal impedance	LF/HF Ω	8/16
	Frequency range	Hz	90-20K
LF	Sensitivity (1W/1m)	dB	91
LF	Voice coil diameter	mm/in	38.5/1.5
LF	Fs	Hz	90
LF	Re	Ω	6.5
LF	Qms		8.11
LF	Qes		0.31
LF	Qts		0.30
LF	Vas	L	3
LF	Mms	gr	10
LF	Cms	mm/N	0.30
LF	BL	Tm	11.1
LF	Xmax	mm	3.2
HF	Throat diameter	mm/in.	25/1
HF	Power handling capacity	W(AES)	30
HF	Nominal impedance	Ω	16
HF	Sensitivity (2.83V/1m)	dB	100
HF	Frequency range	Hz	2K-20K
HF	Voice coil diameter	mm/in	34.4/1.75
HF	Re	Ω	11
	Overall diameter	mm	135
	Bolt circle diameter	mm	138
	Baffle cut-out diameter	mm	125
	Overall depth	mm	96
	Net weight	Kg	1.4

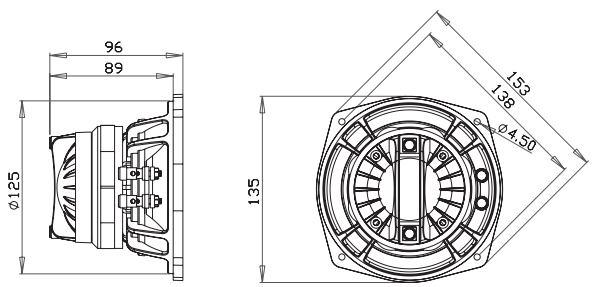
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



Medium

NEODYMIUM

MEDIUM

MD8E260

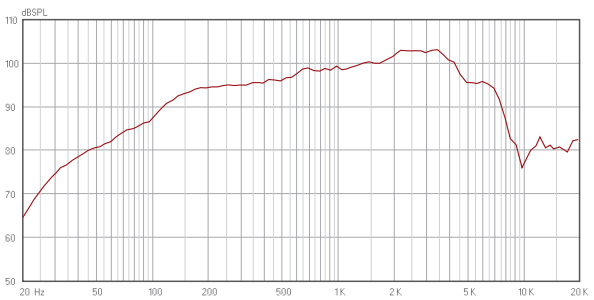
- 500 Watt Max Power •
- 63.5mm(2.5inch) voice coil •
- 95Hz to 2.5KHz frequency response •
- 98dB 1W@1m sensitivity •
- Neodymium magnet structure •

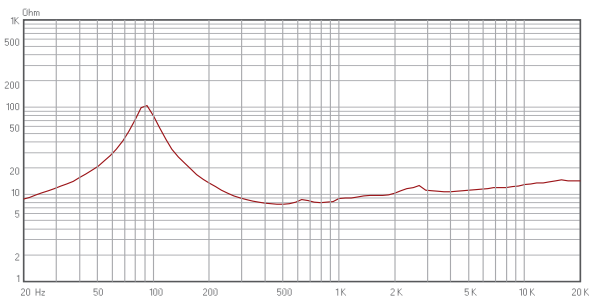
Specifications

Model		MD8E260
Nominal diameter	in.	8
Power handling capacity	W(AES)	250
Max power	Watts	500
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	95-4K
Voice coil diameter	mm/in	63.5/2.5
Fs	Hz	95
Re	Ω	5.8
Qms		5.23
Qes		0.28
Qts		0.27
Vas	L	8
Mms	gr	23
Cms	mm/N	0.13
BL	Tm	17.1
Le	mH	0.13
Xmax	mm	3
nO	%	2.4
Sd	cm^2	213
Overall diameter	mm	210
Bolt circle diamete	mm	196
Baffle cut-out diameter	mm	185
Overall depth	mm	87
Net weight	Kg	2.2

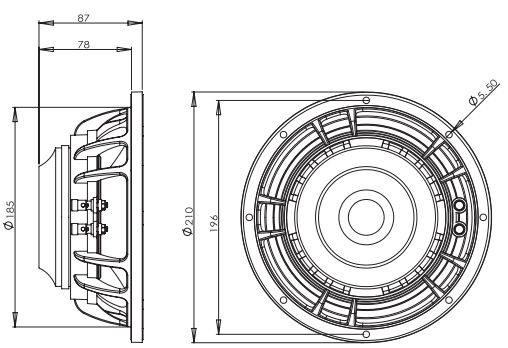
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

MEDIUM

MD8D210

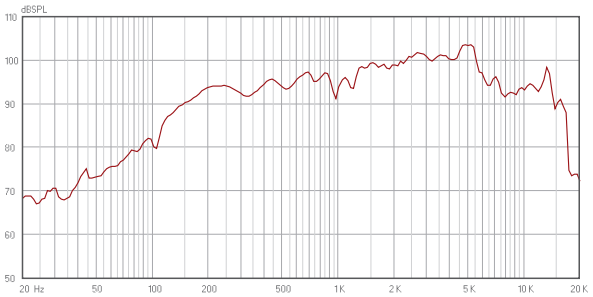
- 400 Watt Max Power
- 51.5mm (2 inch) voice coil
- 200Hz to 4KHz frequency response
- 98dB 1W@1m sensitivity
- Neodymium magnet structure

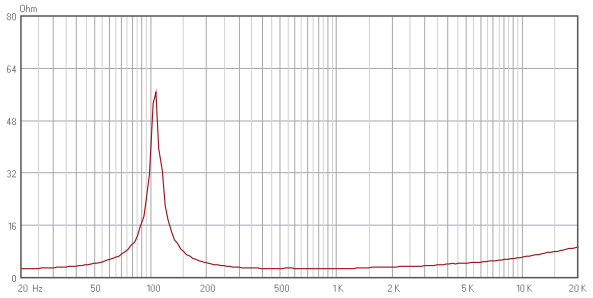
Specifications

Model		MD8D210
Nominal diameter	in.	8
Power handling capacity	W(AES)	200
Max power	Watts	400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	98
Frequency range	Hz	200-4K
Voice coil diameter	mm/in	51.5/2
Fs	Hz	150
Re	Ω	5
Qms		4.08
Qes		0.51
Qts		0.45
Vas	L	3.8
Mms	gr	18
Cms	mm/N	0.06
BL	Tm	13.5
Le	mH	0.25
Xmax	mm	1.5
nO	%	2.5
Sd	cm^2	214
Overall diameter	mm	210
Bolt circle diamete	mm	196
Baffle cut-out diameter	mm	185
Overall depth	mm	80
Net weight	Kg	1.6

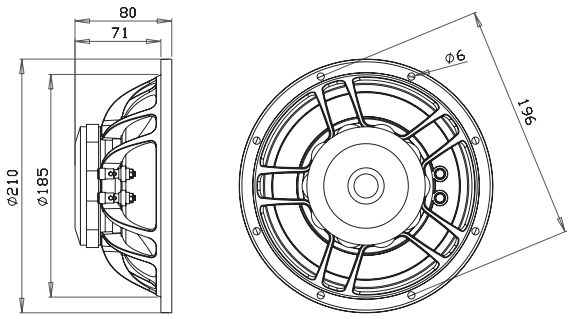
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

MEDIUM

MD6D210

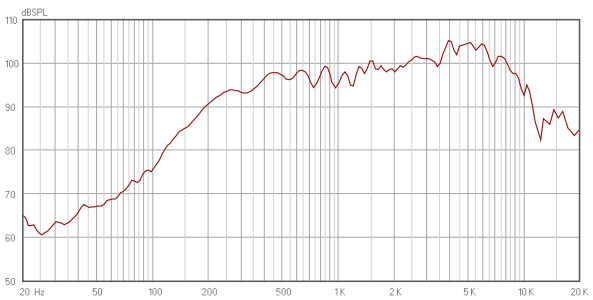
- 400 Watt Max Power •
- 51.5mm (2 inch) voice coil •
- 250Hz to 4KHz frequency response •
- 97dB 1W@1m sensitivity •
- Neodymium magnet structure •

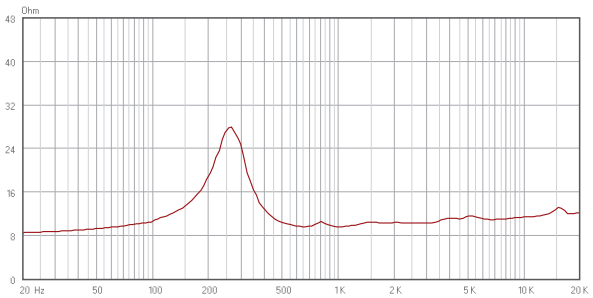
Specifications

Model		MD6D210
Nominal diameter	in.	6.5
Power handling capacity	W(AES)	200
Max power	Watts	400
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	97
Frequency range	Hz	250-4K
Voice coil diameter	mm/in	51.5/2
Fs	Hz	248
Re	Ω	5
Qms		2.59
Qes		0.61
Qts		0.49
Vas	L	0.8
Mms	gr	14
Cms	mm/N	0.03
BL	Tm	13.5
Le	mH	0.19
Xmax	mm	1.5
nO	%	2.0
Sd	cm^2	143
Overall diameter	mm	164
Bolt circle diamete	mm	168
Baffle cut-out diameter	mm	148
Overall depth	mm	75
Net weight	Kg	1.5

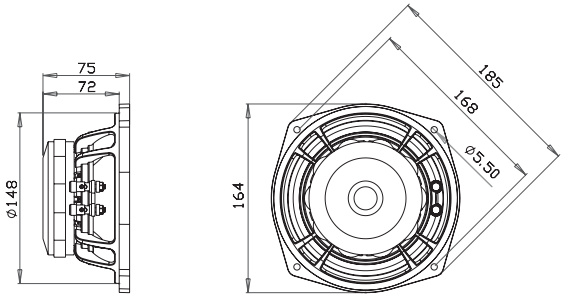
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



NEODYMIUM

MEDIUM

MD5C100

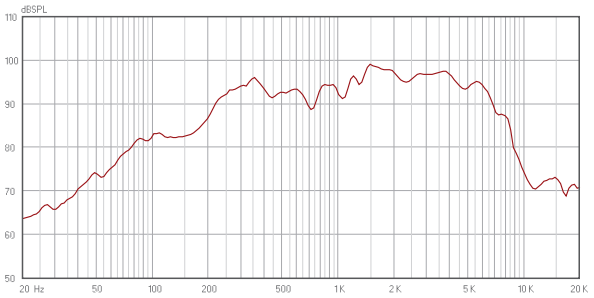
- 240 Watt Max Power
- 38.5mm (1.5 inch) voice coil
- 200Hz to 6KHz frequency response
- 92dB 1W@1m sensitivity
- Neodymium magnet structure

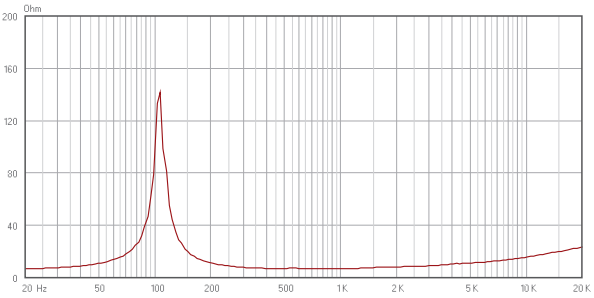
Specifications

Model		MD5C100
Nominal diameter	in.	5.5
Power handling capacity	W(AES)	120
Max power	Watts	240
Nominal impedance	Ω	8
Sensitivity (1W/1m)	dB	92
Frequency range	Hz	200-6K
Voice coil diameter	mm/in	38.5/1.5
Fs	Hz	101
Re	Ω	5
Qms		9.22
Qes		0.37
Qts		0.36
Vas	L	2.3
Mms	gr	9
Cms	mm/N	0.23
BL	Tm	9.4
Le	mH	0.20
Xmax	mm	2.3
nO	%	0.6
Sd	cm^2	78
Overall diameter	mm	135
Bolt circle diamete	mm	138
Baffle cut-out diameter	mm	125
Overall depth	mm	78
Net weight	Kg	1

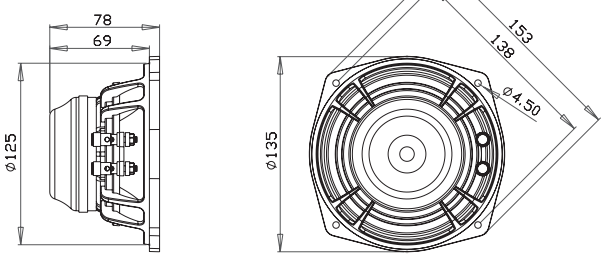
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- All measurement of the speaker is done after a sufficient high level of 20Hz sine wave test.
- Xmas is defined at the BL drops by 18% of the original figure.

Frequency Response and Impedance Magnitude Curve





Dimension Drawings



Driver

NEODYMIUM

DRIVER

DH990

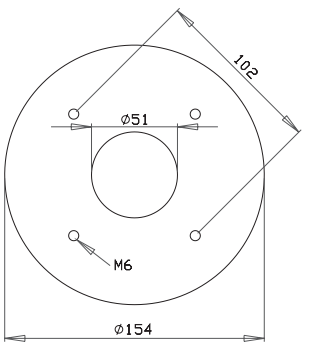
- 180 Watt Max Power
- 2 inch throat exit
- 99.2mm (4 inch) voice coil
- 700Hz to 16kHz frequency response
- 110dB 1W@1m sensitivity
- Neodymium magnet structure

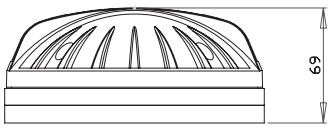
Specifications

Model		DH990-8	DH990-16
Throat diameter	mm/in	51/2	
Power handling capacity	W	90	
Max power	W	180	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	110	
Frequency range	Hz	700-16K	
Voice coil diameter	mm/in	99.2/4	
Re	Ohm	6.4	12
Flux density	T	1.9	
Diaphragm		Titaninm	
Voice coil		Copper Clad Aluminium	
Magnet material		Neodymium	
Bolt circle diamete	mm	4xM6 holes 90° on 102	
Overall diameter	mm	154	
Overall depth	mm	69	
Net weight	Kg	3.7	

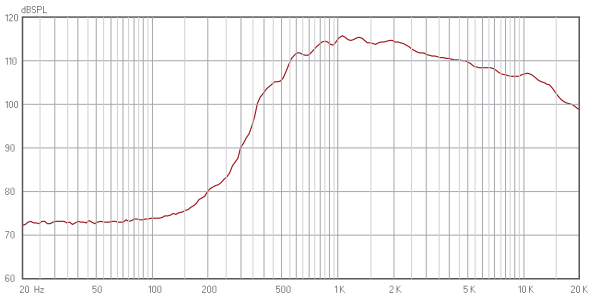
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

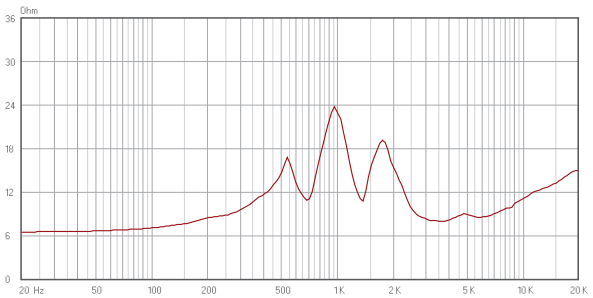
Dimension Drawings





Frequency Response and Impedance Magnitude Curve





NEODYMIUM
DRIVER

DH760

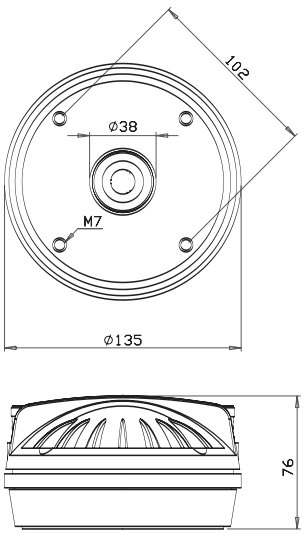
- 140 Watt Max Power •
- 1.4 inch throat exit •
- 74.5mm (3 inch) voice coil •
- 900Hz to 20kHz frequency response •
- 110dB 1W@1m sensitivity •
- Neodymium magnet structure •

Specifications

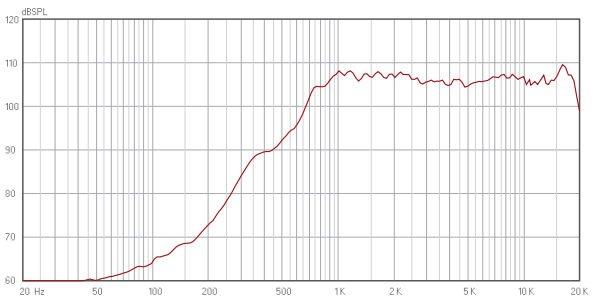
Model		DH760-8	DH760-16
Throat diameter	mm/in	35/1.4	
Power handling capacity	W	70	
Max power	W	140	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	110	
Frequency range	Hz	900-20K	
Voice coil diameter	mm/in	74.5/3	
Re	Ohm	6	11.5
Flux density	T	1.9	
Diaphragm		Titaninm + PEEK	
Voice coil		Copper Clad Aluminium	
Magnet material		Neodymium	
Bolt circle diamete	mm	4xM6 holes 90° on 102	
Overall diameter	mm	135	
Overall depth	mm	76	
Net weight	Kg	2.8	

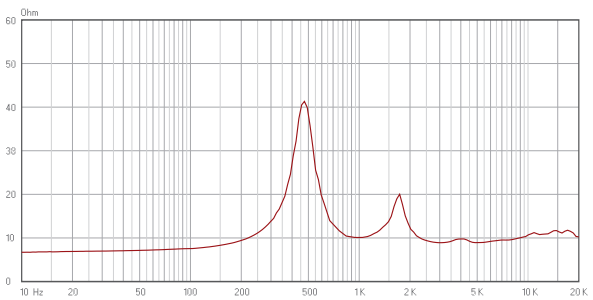
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

Dimension Drawings



Frequency Response and Impedance Magnitude Curve





FERRITE

DRIVER

HB760

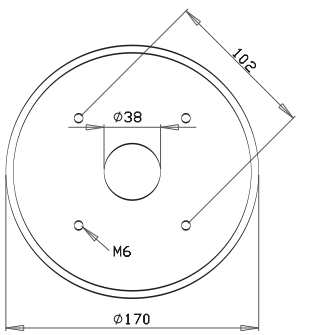
- 140 Watt Max Power
- 1.5 inch throat exit
- 74.5mm (3 inch) voice coil
- 900Hz to 20KHz frequency response
- 109dB 1W@1m sensitivity
- Ferrite magnet structure

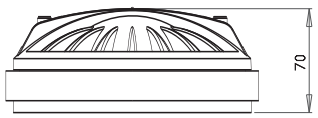
Specifications

Model		HB760-8	HB760-16
Throat diameter	mm/in	38/1.5	
Power handling capacity	W	70	
Max power	W	140	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	109	
Frequency range	Hz	900-20K	
Voice coil diameter	mm/in	74.5/3	
Re	Ohm	6	11.5
Flux density	T	1.8	
Diaphragm		Titaninm + PEEK	
Voice coil		Copper Clad Aluminium	
Magnet material		ceramic	
Bolt circle diamete	mm	4xM6 holes 90° on 102	
Overall diameter	mm	170	
Overall depth	mm	70	
Net weight	Kg	4.7	

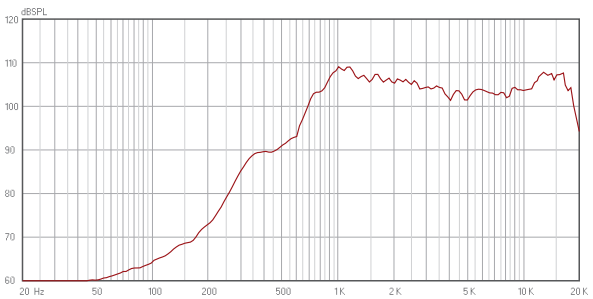
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

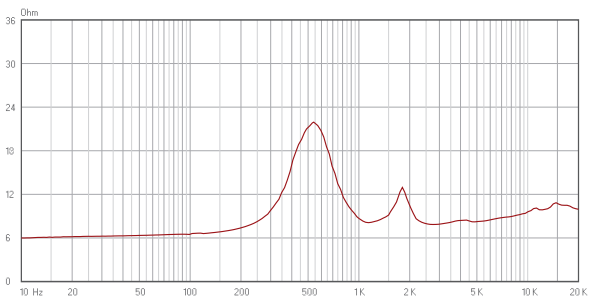
Dimension Drawings





Frequency Response and Impedance Magnitude Curve





NEODYMIUM DRIVER

DH640

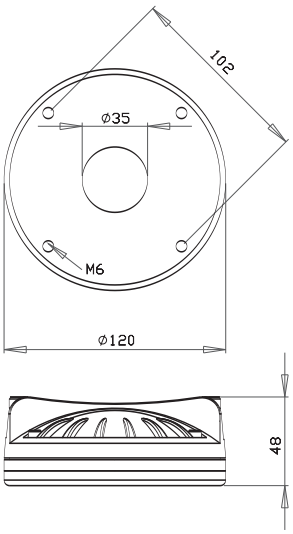
- 120 Watt Max Power
- 1.4 inch throat exit
- 63.5mm (2.5 inch) voice coil
- 1KHz to 20KHz frequency response
- 109dB 1W@1m sensitivity
- Neodymium magnet structure

Specifications

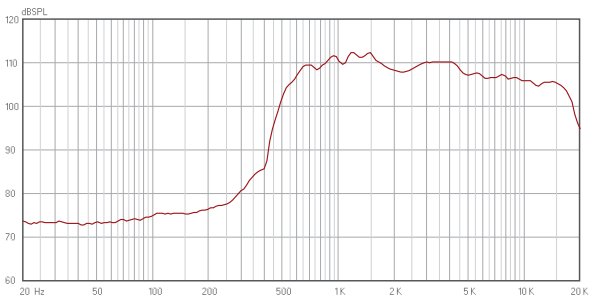
Model		DH640-8	DH640-16
Throat diameter	mm/in	35/1.4	
Power handling capacity	W	60	
Max power	W	120	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	109	
Frequency range	Hz	1K-18K	
Voice coil diameter	mm/in	63.5/2.5	
Re	Ohm	5.5	11
Flux density	T	2	
Diaphragm		PEEK	
Voice coil		Copper Clad Aluminium	
Magnet material		Neodymium	
Bolt circle diamete	mm	4xM6 holes 90° on 102	
Overall diameter	mm	120	
Overall depth	mm	48	
Net weight	Kg	1.7	

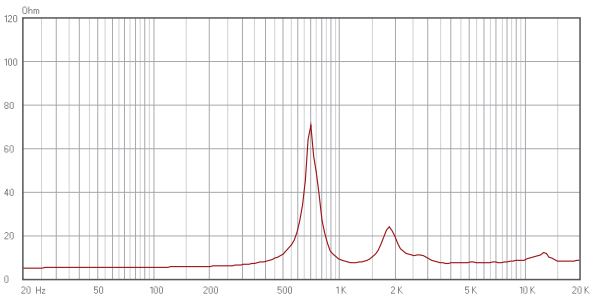
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

Dimension Drawings



Frequency Response and Impedance Magnitude Curve





FERRITE

DRIVER

HB642

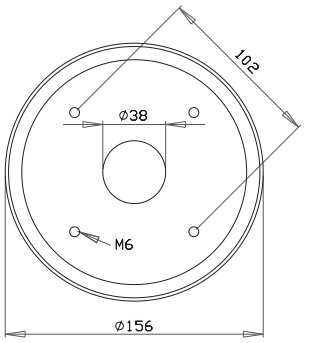
- 120 Watt Max Power
- 1.5 inch throat exit
- 63.5mm (2.5 inch) voice coil
- 1KHz to 18KHz frequency response
- 107dB 1W@1m sensitivity
- Ferrite magnet structure

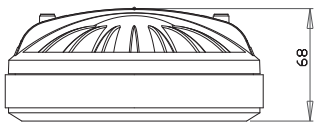
Specifications

Model		HB640-8	HB640-16
Throat diameter	mm/in	38/1.5	
Power handling capacity	W	60	
Max power	W	120	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	107	
Frequency range	Hz	1K-18K	
Voice coil diameter	mm/in	63.5/2.5	
Re	Ohm	5.5	11
Flux density	T	1.8	
Diaphragm		PEEK	
Voice coil		Copper Clad Aluminium	
Magnet material		Ceramic	
Bolt circle diamete	mm	4xM6 holes 90° on 102	
Overall diameter	mm	156	
Overall depth	mm	68	
Net weight	Kg	3.9	

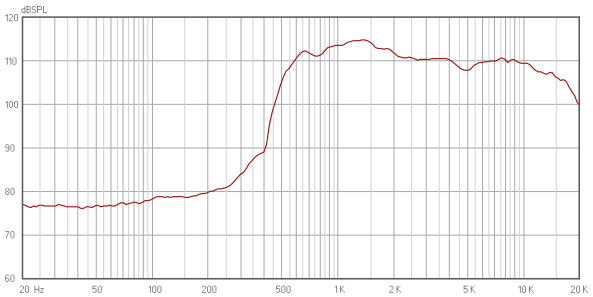
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

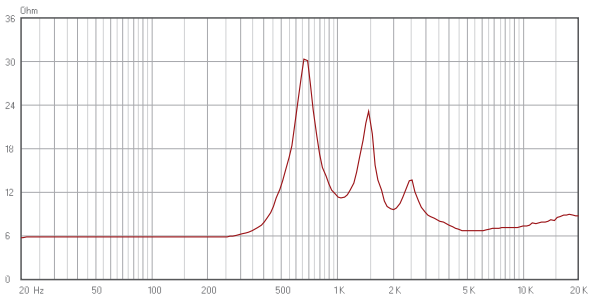
Dimension Drawings





Frequency Response and Impedance Magnitude Curve





NEODYMIUM
DRIVER

DH450

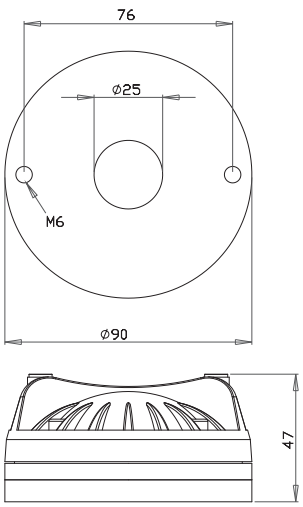
- 90 Watt Max Power •
- 1 inch throat exit •
- 44.4mm (1.75 inch) voice coil •
- 1.5KHz to 20KHz frequency response •
- 106dB 1W@1m sensitivity •
- Neodymium magnet structure •

Specifications

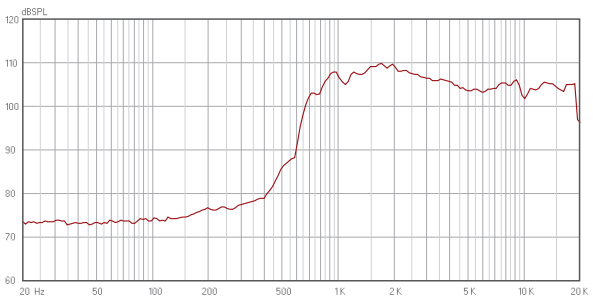
Model		DH450-8	DH450-16
Throat diameter	mm/in	25/1	
Power handling capacity	W	45	
Max power	W	90	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	106	
Frequency range	Hz	1.5K-20K	
Voice coil diameter	mm/in	44.4/1.75	
Re	Ohm	6	11.5
Flux density	T	2	
Diaphragm		PEEK	
Voice coil		Copper Clad Aluminium	
Magnet material		Neodymium	
Bolt circle diamete	mm	4xM6 holes 180° on 76	
Overall diameter	mm	90	
Overall depth	mm	47	
Net weight	Kg	0.9	

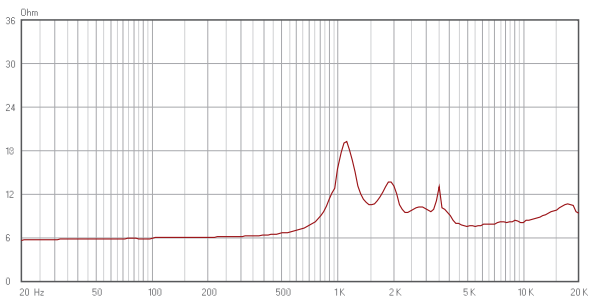
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

Dimension Drawings



Frequency Response and Impedance Magnitude Curve





FERRITE

DRIVER

HB450

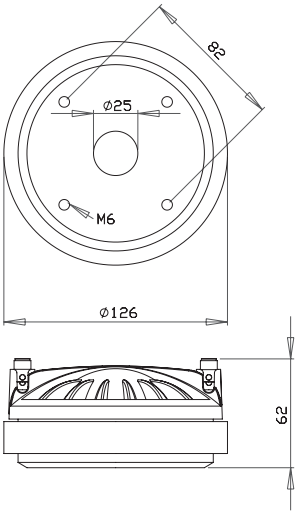
- 90 Watt Max Power
- 1 inch throat exit
- 44.4mm (1.75 inch) voice coil
- 1.5KHz to 20KHz frequency response
- 105dB 1W@1m sensitivity
- Ferrite magnet structure

Specifications

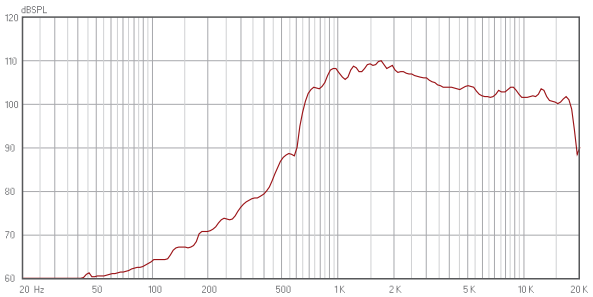
Model		HB450-8	HB450-16
Throat diameter	mm/in	25/1	
Power handling capacity	W	45	
Max power	W	90	
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	105	
Frequency range	Hz	1.5K-20K	
Voice coil diameter	mm/in	44.4/1.75	
Re	Ohm	6	11.5
Flux density	T	1.8	
Diaphragm		PEEK	
Voice coil		Copper Clad Aluminium	
Magnet material		Ceramic	
Bolt circle diamete	mm	4xM6 holes 90° on 82	
Overall diameter	mm	126	
Overall depth	mm	62	
Net weight	Kg	2.3	

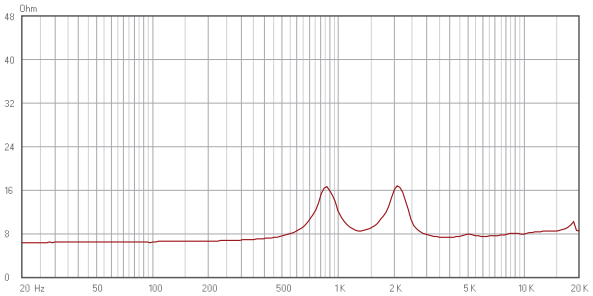
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

Dimension Drawings



Frequency Response and Impedance Magnitude Curve





D34

D34M

NEODYMIUM DRIVER

D34/D34M

- 60 Watt Max Power
- 1 inch throat exit
- 34.4mm(1.35inch) voice coil
- 1.8KHz to 20KHz frequency response
- 107dB 1W@1m sensitivity
- Neodymium magnet structure

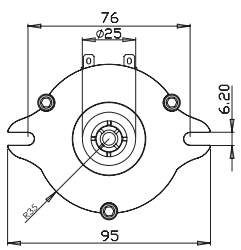
Specifications

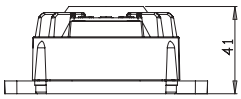
Model		D34	D34M
Throat diameter	mm/in	25/1	25/1
Power handling capacity	W	30	30
Max power	W	60	60
Nominal impedance	Ohm	8	16
Sensitivity (1W/1m)	dB	107	107
Frequency range	Hz	1.8K-20K	1.8K-20K
Voice coil diameter	mm/in	34.4	34.4
Re	Ohm	5.5	12
Flux density	T	1.5	1.5
Diaphragm		Titaninm	
Voice coil		Copper Clad Aluminium	
Magnet material		Neodymium	
Bolt circle diamete	mm	2XM6 on 76	M34
Overall diameter	mm	70	70
Overall depth	mm	41	61
Net weight	Kg	0.5	0.5

- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

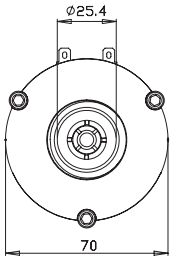
Dimension Drawings

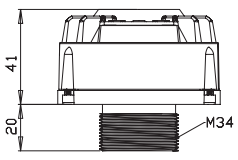
D34





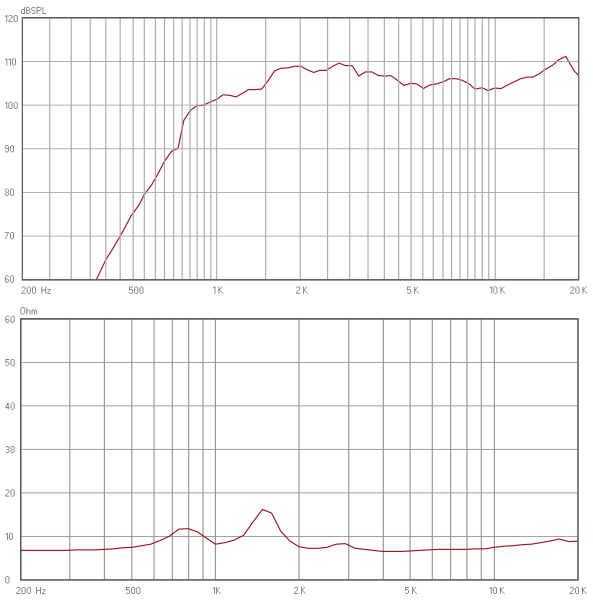
D34M



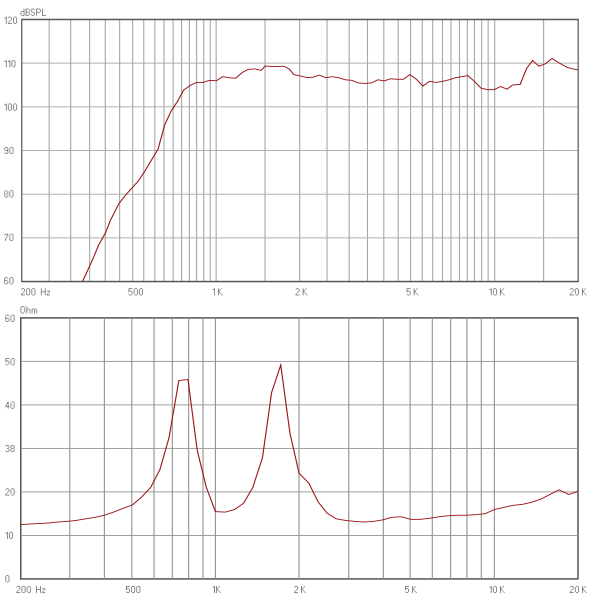


Frequency Response and Impedance Magnitude Curve

D34



D34M



FERRITE

DRIVER

H340A

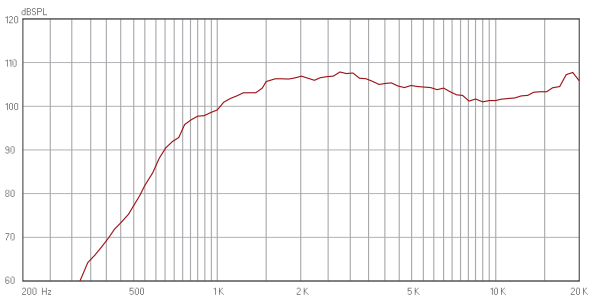
- 60 Watt Max Power
- 1 inch throat exit
- 34.4mm(1.35inch) voice coil
- 1.8KHz to 20KHz frequency response
- 105dB 1W@1m sensitivity
- Ferrite magnet structure

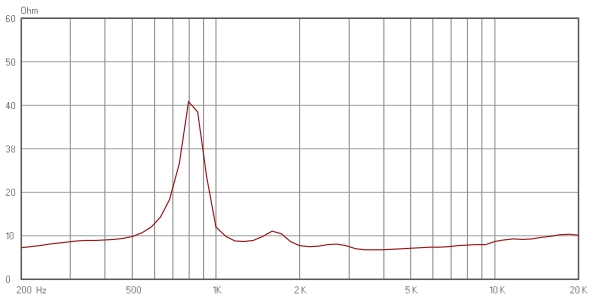
Specifications

Model		H340A
Throat diameter	mm/in	25/1
Power handling capacity	W	30
Max power	W	60
Nominal impedance	Ohm	8
Sensitivity (1W/1m)	dB	105
Frequency range	Hz	1.8K-20K
Voice coil diameter	mm/in	34.4
Re	Ohm	5.5
Flux density	T	1.4
Diaphragm		Titaninm
Voice coil		Copper Clad Aluminium
Magnet material		Ferrite
Bolt circle diamete	mm	2XM6 on 82
Overall diameter	mm	106
Overall depth	mm	44.5
Net weight	Kg	1.4

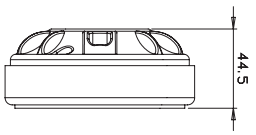
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

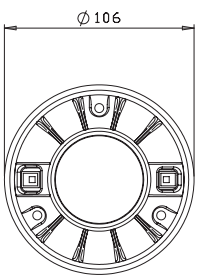
Frequency Response and Impedance Magnitude Curve

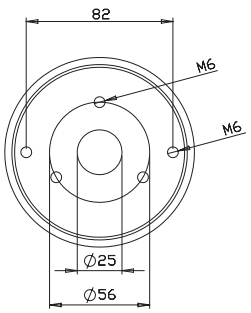




Dimension Drawings







FERRITE

DRIVER

H257

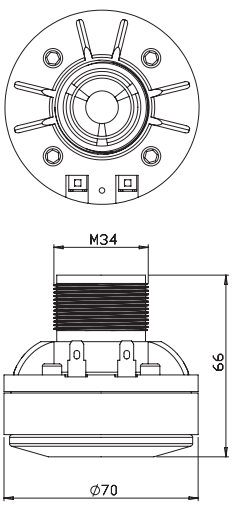
- 60 Watt Max Power •
- 1 inch throat exit •
- 25.5mm(1inch) voice coil •
- 2KHz to 18KHz frequency response •
- 102dB 1W@1m sensitivity •
- Ferrite magnet structure •

Specifications

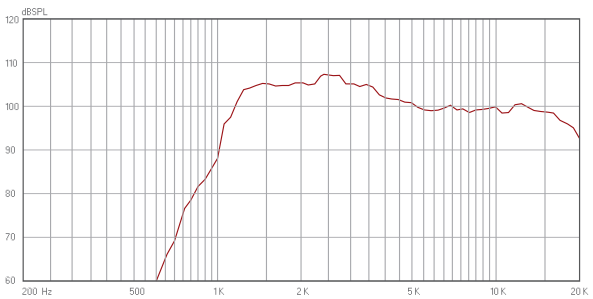
Model		H257
Throat diameter	mm/in	25/1
Power handling capacity	W	20
Max power	W	60
Nominal impedance	Ohm	8
Sensitivity (1W/1m)	dB	102
Frequency range	Hz	2K-18K
Voice coil diameter	mm/in	25.5
Re	Ohm	5.5
Flux density	T	1.4
Diaphragm		Resin
Voice coil		Copper Clad Aluminium
Magnet material		Ferrite
Bolt circle diamete	mm	M34
Overall diameter	mm	70
Overall depth	mm	66
Net weight	Kg	0.6

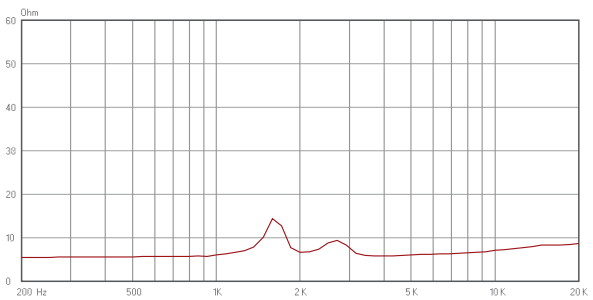
- AES power is measured with 6dB crest factor continuous pink noise in 2 hours duration.
- Max power is defined as 3dB higher than the nominal rating.
- Sensitivity is measured at one meter at 2.83V and 8 ohm nominal impedance.
- Sensitivity is measured at one meter at 4V and 16 ohm nominal impedance.

Dimension Drawings



Frequency Response and Impedance Magnitude Curve





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