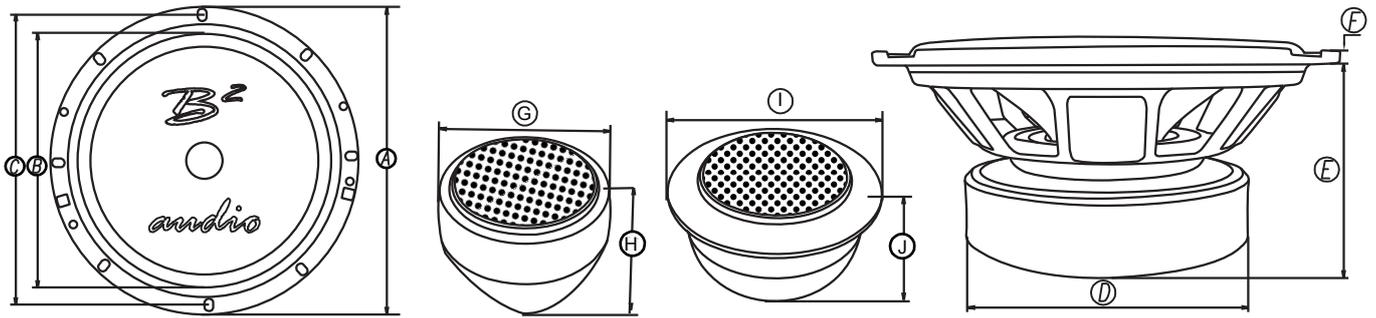




MODEL: ES 6.1

Product id: ES61CF12



A	∅ 165
B	∅ 142
C	∅ 154

G	∅ 47
H	28

I	∅ 55
J	24

D	∅ 104
E	66
F	5

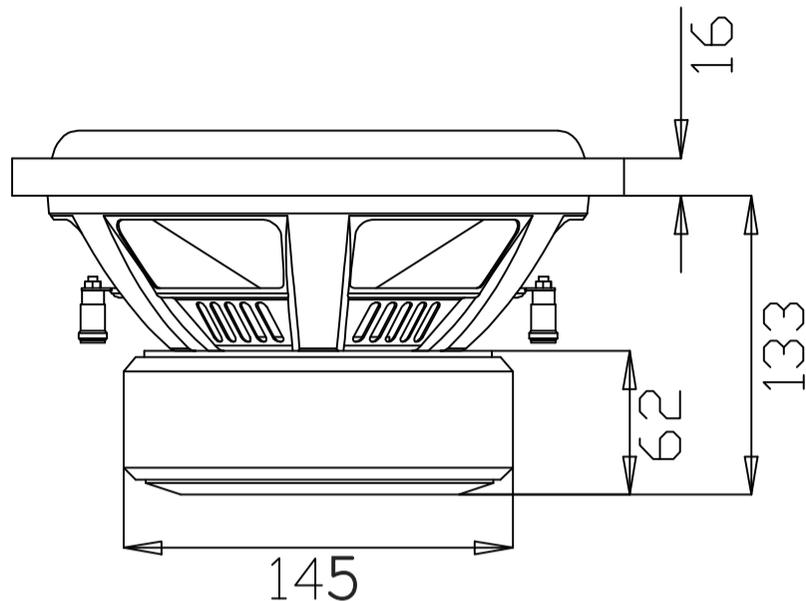
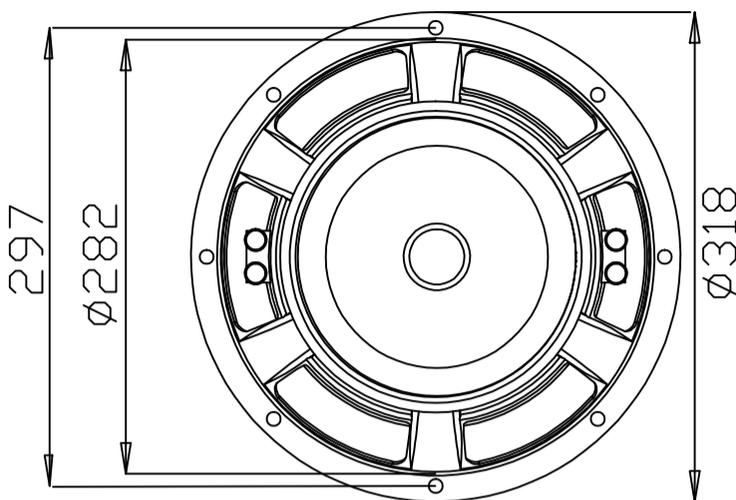
Power handling*:	100 Watts
Sensitivity:	90.2 dB
Nominal impedance:	4Ω
Frequency response:	45 ~ 20.000 Hz
DC Resistance (Re):	3.3Ω
Magnet weight (Oz):	20 Oz

*It is essential that our speakers are given time to allow the suspension to soften up. Depending on usage, this may take several weeks. While this process is undergoing, it is not recommended to apply full amplification power according to the speakers specs. Once the moving parts have been broken in, the performance of your subwoofer will increase.



MODEL: EL12K

Product id: EL12KD214



ENCLOSURE SUGGESTIONS

SEALED: 40 L / 1.413 cu.ft (net), Qtc 0.773

PORTED: 50 L / 1.766 cu.ft (net), 2 x 3" ports, length 8,24"
FB 42 Hz / F-3 dB 37.2 Hz

Power handling*:	350 W
Sensitivity (2.83 V/1 m):	90.5 dB
Nominal impedance:	Dual 2Ω
X-Max:	12 mm
Equivalent Compliance (Vas):	70.1 L
Free Air Resonance (Fs):	33.6 Hz
Electrical "Q" (Qes):	0.76
Mechanical "Q" (Qms):	5.48
Total Speaker "Q" (Qts):	0.67
DC Resistance (Re):	2.1 Ω
Magnet weight (Oz):	50 Oz

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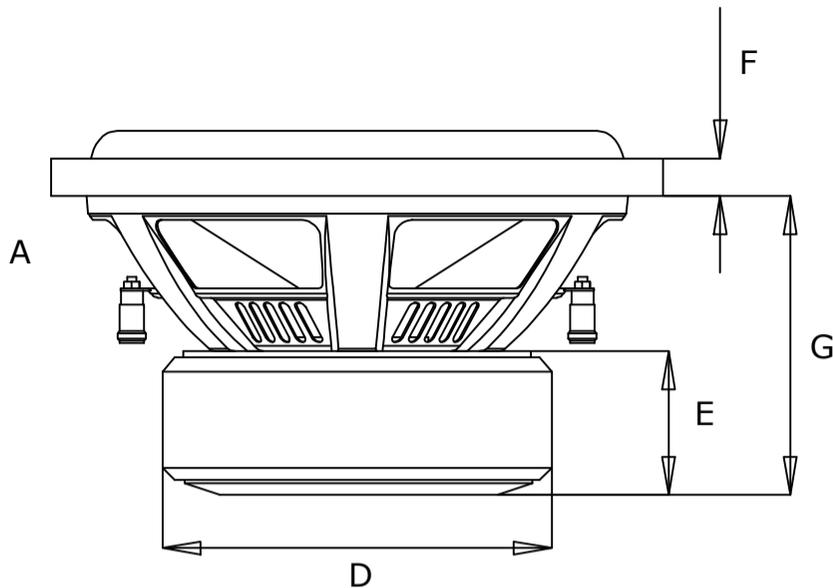
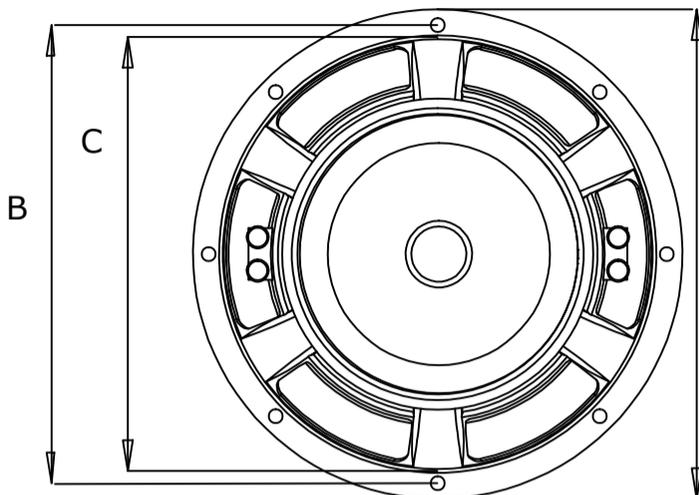
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*It's essential that our speakers are given time to allow the suspension to soften up. Depending on use, this may take several weeks. While this process is undergoing, it is not recommended to apply full amplification power according to the speakers specs. Once the moving parts have been broken in, the performance of your speaker will increase. Abuse of the unit is **not** covered by warranty. The warranty does not cover (1) Speakers that have been used for spl purpose in competitions, (2) Damage caused by amplifier clipping or distortion, (3) Exposure to water, oil, solvent & excessive temperatures +/- (4) Transportation damages.



MODEL: IS10
MODEL: IS12

PRODUCT ID: IS10D215
PRODUCT ID: IS12D215



ENCLOSURE SUGGESTIONS				
	SEALED	PORTED COMPACT	PORTED	BP 4 TH
IS10	17.42 L / 0.615 CU.FT QTC 0.429	21.65 L / 0.765 CU.FT P: 3" L: 11.68" FB: 42 HZ	35 L / 1.236 CU.FT P: 4" L: 13.32" FB 40 HZ	S: 22 L / 0.776 CU.FT P: 44 L / 1.552 CU.FT P. AREA: 16 SQ.IN L: 10"
IS12	25 L / 0.882 CU.FT QTC 0.451	35 L / 1.236 CU.FT P: 4" L: 11.71" FB: 40 HZ	55 L / 1.942 CU.FT P: 4" L: 9.18" FB 37 HZ	S: 22 L / 0.776 CU.FT P: 55 L / 1.942 CU.FT P. AREA: 16 SQ.IN L: 10"

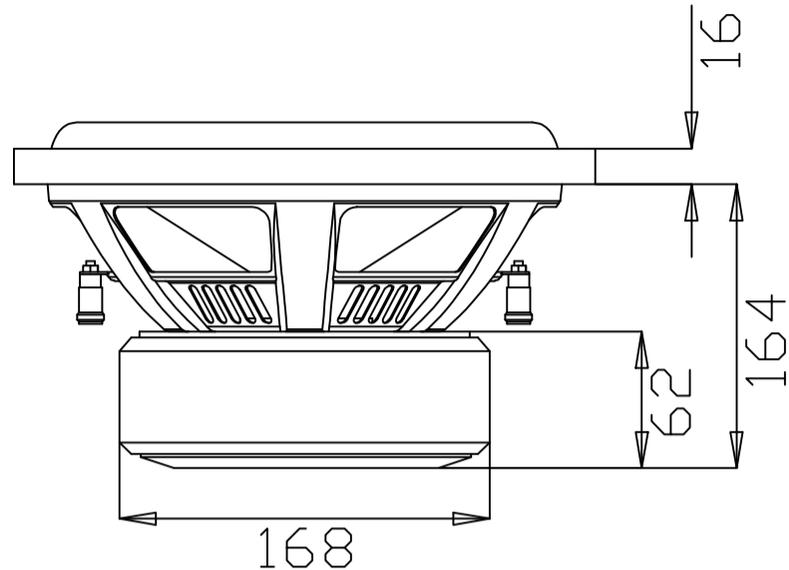
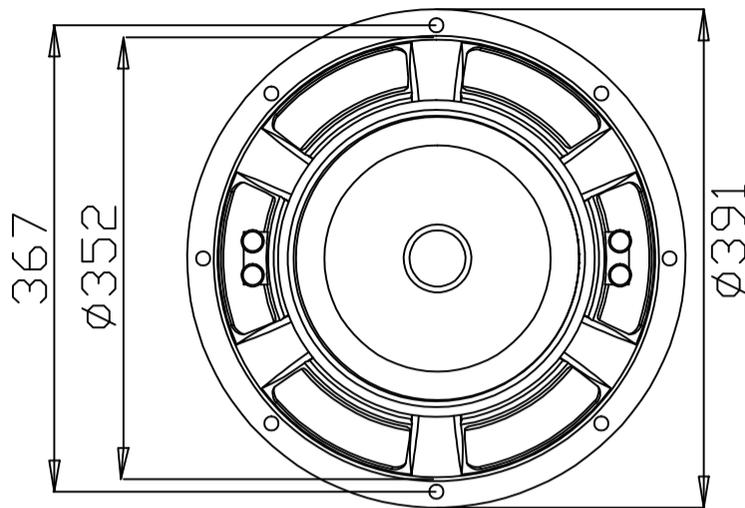
Power handling*:	IS10 600 W	IS12 600 W
Sensitivity (2.83 v/1m):	89.8 dB	92.03 dB
Nominal impedance:	Dual 2Ω	Dual 2Ω
X-Max:	18 mm	18 mm
Equivalent Compliance (Vas):	20 L	46.7 L
Free Air Resonance (Fs):	37.9 Hz	34.5 Hz
Electrical "Q" (Qes):	0.36	0.38
Mechanical "Q" (Qms):	4.98	5.36
Total Speaker "Q" (Qts):	0.34	0.36
DC Resistance (Re):	2.1 Ω	2.1 Ω
Magnet weight (Oz):	2 x 58 Oz	2 x 58 Oz
Dimensions (mm): IS10	A: 264 B: 245 C: 234 D: 168 E: 62 F:16 G: 129	
Dimensions (mm): IS12	A: 318 B: 297 C: 282 D: 168 E: 62 F:16 G: 142	





MODEL: IS15

Product id: IS15D213



ENCLOSURE SUGGESTIONS

SEALED:	40 L / 1.412 cu.ft (net), Qtc 0.615
PORTED COMPACT:	55 L / 1.942 cu.ft (net), 2 x 3" ports, length 8" FB 42 Hz / F-3 dB 43 Hz
PORTED:	120 L / 4.237 cu.ft (net), 2 x 4" ports, length 8,46" FB 35 Hz / F-3 dB 33 Hz
BANDPASS 4. ORDER:	S. 60 L / 2.118 cu.ft - P. 120 L / 4.237 cu.ft, 2 x 6" ports, length 4,55"

Power handling*:	600 W
Sensitivity:	91.2 dB
Nominal impedance:	Dual 2Ω
X-Max:	18 mm
Equivalent Compliance (Vas):	167.88 L
Free Air Resonance (Fs):	27.56 Hz
Electrical "Q" (Qes):	0.407
Mechanical "Q" (Qms):	3.838
Total Speaker "Q" (Qts):	0.367
DC Resistance (Re):	2.2 Ω
Magnet weight (Oz):	2 x 58 Oz

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*It's essential that our speakers are given time to allow the suspension to soften up. Depending on use, this may take several weeks. While this process is undergoing, it is not recommended to apply full amplification power according to the speakers specs. Once the moving parts have been broken in, the performance of your speaker will increase. Abuse of the unit is **not** covered by warranty. The warranty does not cover (1) Speakers that have been used for spl purpose in competitions, (2) Damage caused by amplifier clipping or distortion, (3) Exposure to water, oil, solvent & excessive temperatures +/-.