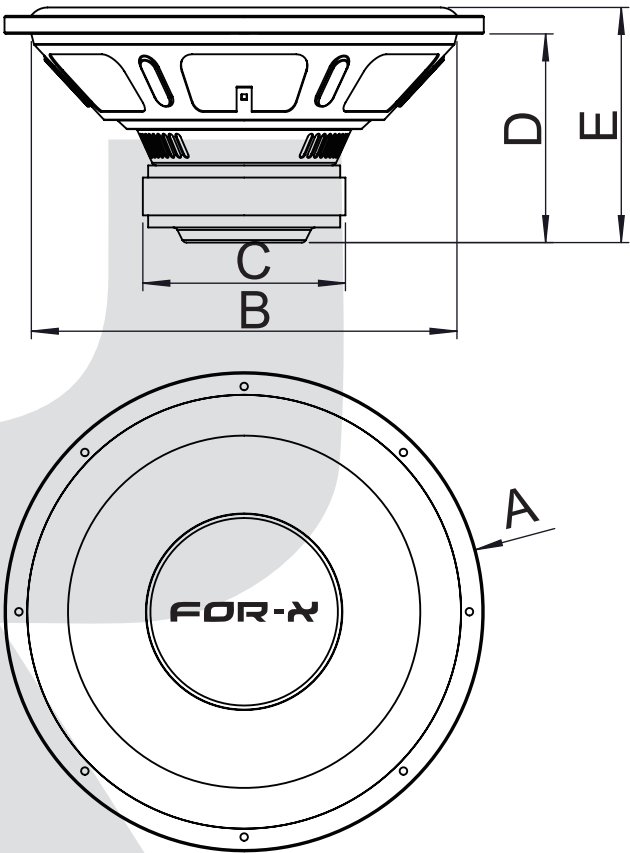


FOR-X

X-210
X-212
X-215

Owner's Manual

Dimensions



MODEL	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
X-210	265	235	160	146	170
X-212	316	283	160	155	178
X-215	392	355	160	180	215

148*210mm

148*210mm

Recommended sealed enclosure informations

Model	Subwoofer Displacement (cu.ft)	Enclosure Volume(cu.ft) (net enclosure volume)	Tuning Frequency (Hz)
X-210	0.08	0.99-2.12	40
X-212	0.12	1.12-2.38	38
X-215	0.19	1.61-3.44	38

Recommended vented enclosure informations

Model	Subwoofer Displacement (cu.ft)	Enclosure Volume(cu.ft) (net enclosure volume)	Port Area (sq.in)	Port Length (inch)	Tuning Frequency (Hz)
X-210	0.08	1.11-2.38	15.78	15.78	33
X-212	0.12	1.36-2.91	15.78	10.76	33.9
X-215	0.19	2.10-4.50	15.78	11.8	26.4

Specifications

General Data				
		X-210	X-212	X-215
Overall Dimensions	DXH(mm)	265*170	316*178	392*215
Nominal Power Handling	W	600		
Transient Power 10ms	W	1200		
Sensitivity	dB	83.8	84.8	86.3
Frequency Response	Hz	40	39	38
Cone Material		Paper		
Net Weight	kg	7	7.5	8
Electrical Data				
Nominal Impedance	ohm	4+4		
DC Resistance	ohm	3.2+3.2		
Voice Coil and Magnet Parameters				
Voice Coil Diameter	mm	65.5		
Voice Coil Height	mm	35		
HE Magnetic Gap Height	mm	10		
Max.Linear Excursion	mm	12.5		
Voice Coil bobbin		Alumnium		
Voice Coil Wire		Copper		
Number Of Layers	L	4		
Magnet System Type		High Flux Ferrite		
BL Product	N.A	11.42	10.06	11.17
T-S Parameters				
Suspension Compliance	Cms	0.09	0.074	0.051
Mechanical Q Factor	Qms	4.9	4.95	4.51
Electrical Q Factor	Qes	0.55	0.85	1.01
Total Q Factor	Qts	0.5	0.73	0.82
Moving Mass	Mms	176.6	220	323
Eq.Cas Air Load(liters)	VAS	14.68	27.58	47.66
Resonant Frequency	Fs	40	39	38
Effective Piston Area	SD(cm ²)	346	510.7	804.2



148*210mm

148*210mm