

FOR-X

XW-408

XW-410

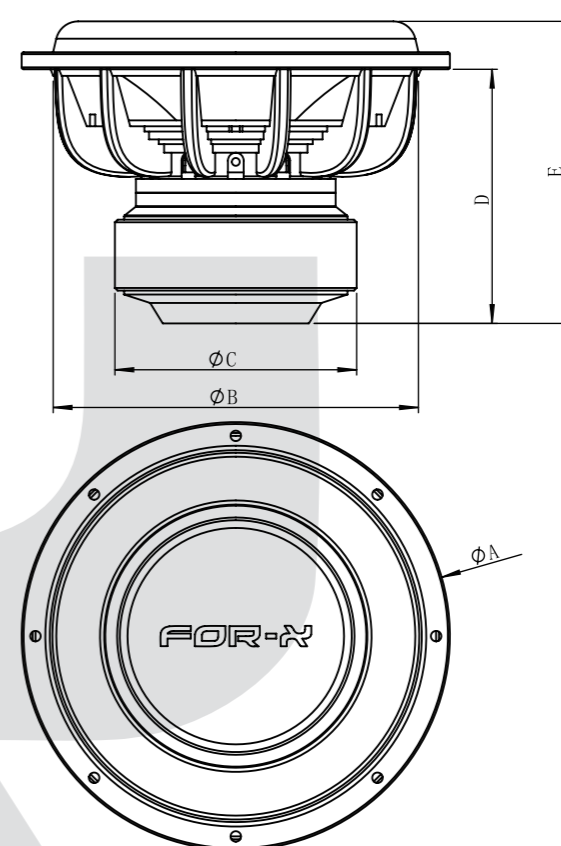
XW-412

XW-415

XW-418

Owner's Manual

Dimensions



MODEL	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
XW-408	212	189	161	121	145
XW-410	277	240	185	188	218
XW-412	321	285	185	191	228
XW-415	392	355	185	216	250
XW-418	467	428	185	257	295

Recommended sealed enclosure informations

Model	Subwoofer Displacement (cu.ft)	Enclosure Volume(cu.ft) (net enclosure volume)	Tuning Frequency (Hz)
XW-408	0.07	0.65-1.35	45
XW-410	0.15	0.85-1.83	45
XW-412	0.19	1.04-2.24	40
XW-415	0.27	1.64-3.51	35
XW-418	0.43	2.05-4.39	37.5

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)
XW-410	0.07	0.65-1.35	11.39	13.5	45
XW-412	0.15	0.96-2.80	14.56	9.1	42
XW-415	0.19	1.54-3.30	15.68	11	37
XW-415	0.27	2.10-4.50	28.32	11.5	34
XW-418	0.43	2.49-5.34	33.12	11.8	31

Specifications

General Data		XW-408D2	XW-408D4	XW-410D2	XW-410D4	XW-412D2	XW-412D4	XW-415D2	XW-415D4	XW-418D2	XW-418D4
Overall Dimensions	mm	212*145		277*218		321*228		392*250		467*295	
Nominal Power Handling	W	400				1200					
Transient Power 10ms	W	800				2400					
Sensitivity	dB	83.2	82.8	82	82	85	85.3	86	86	88	87
Frequency Response	Hz	57-300	60-300	44-40	44-400	39-400	40-400	35-400	37-400	37-300	38-300
Cone Material		PAPER									
Net Weight	kg	6.5		12.75		13		13.4		14.1	
Electrical Data											
Nominal Impedance	Ohm	Dual 2	Dual 4	Dual 2	Dual 4	Dual 2	Dual 4	Dual 2	Dual 4	Dual 2	Dual 4.0
DC Resistance	Ohm	Dual 2	Dual 4	Dual 2	Dual 4	Dual 2	Dual 4	Dual 2	Dual 4	Dual 2	Dual 4.0
Voice Coil and Magnet Parameters											
Voice Coil Diameter	mm	50.8				76.5					
Voice Coil Height	mm	35				60					
HE Magnetic Gap Height	mm	10				12					
Max.Linear Excursion	mm	12.5				24					
Voice Coil bobbin		Black Aluminium									
Voice Coil Wire		Copper				CCA W					
Number Of Layers	layers	4									
Magnet System Type		Ferrite									
BL Product	N.A	18.66	12.35	20.89	12.3	27	12.8	21	13.8	20	12.88
T-S Parameters											
Resonant Frequency	Fs	57	60	44	44	39	40	35	37	37	38
Moving Mass	Mms	113.7	114.8	243.2	241	314	302	386.6	369.3	425	429
Suspension Compliance	Cms	0.034	0.029	0.046	0.045	0.06	0.059	0.053	0.048	0.042	0.04
Mechanical Q Factor	Qms	3.96	4.3	5.44	5.21	4.83	5	4.6	6.09	5.65	5.41
Electrical Q Factor	Qes	0.65	0.78	0.66	0.69	0.6	0.76	0.73	0.91	1	1.27
Total Q Factor	Qts	0.56	0.66	0.59	0.62	0.53	0.65	0.63	0.79	0.85	1.03
Eq.Cas Air Load(liters)	VAS	1.74	1.46	6.8	6.5	19.1	18.2	46	41.4	81	78
Effective Piston Area(cm ²)	SD	188.6	188.6	314.1	314.1	471.4	471.4	779.3	779.3	1164.1	1164.1
Connection:		Series	Parallel	Series	Parallel	Series	Parallel	Series	Parallel	Series	Parallel

