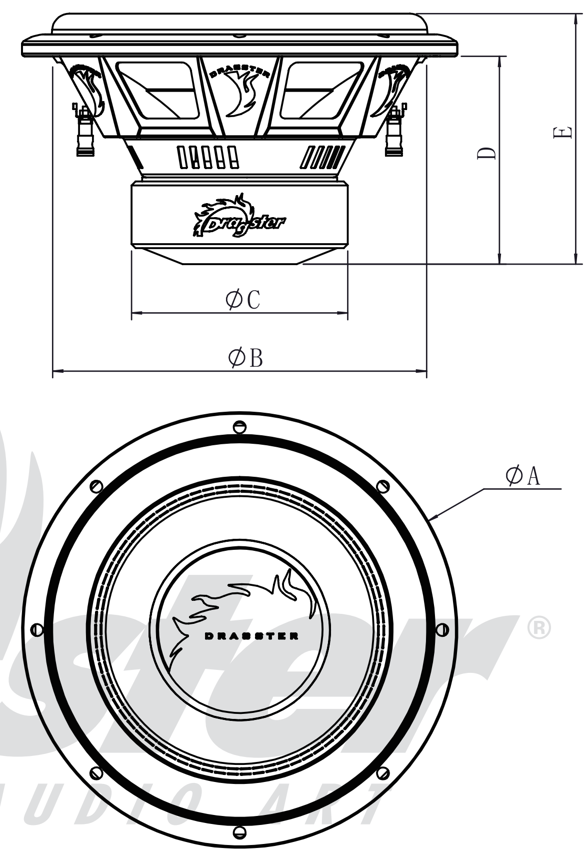
Dragster AUDIO ART

DWP-6.5
DWP-8
DWP-10
DWP-12
DWP-15

Owner's Manual

Dimensions



MODEL	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DWP-6.5	173	139	132	95	113
DWP-8	220	180	140	110	132
DWP-10	278	235	162	143	176
DWP-12	326	285	162	156	188
DWP-15	397	353	162	184	217

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)
DWP-65	0.023	0.4-0.86	8.13	17	44
DWP-8	0.028	0.57-1.22	11.72	15.6	37
DWP-10	0.039	0.67-1.43	15.46	22.1	32
DWP-12	0.056	1.15-2.45	16.34	24.9	31
DWP-15	0.074	2.25-4.82	32.36	28.7	29

Specifications

General Data		DWP-6.5D2	DWP-6.5D4	DWP-8D2	DWP-8D4	DWP-10D2	DWP-10D4	DWP-12D2	DWP-12D4	DWP-15D2	DWP-15D4
Overall Dimensions	mm	173*113		220*132		278*176		326*188		397*217	
Nominal Power Handling	W	250		400		700					
Transient Power 10ms	W	500		800		1400					
Sensitivity	dB	82.3	82.8	83.4	84.2	82.5	83	85.4	85.1	87	86.5
Frequency Response	Hz	63-300	63-300	52-300	55-300	32-300	34-300	30-300	30-300	27-300	26-300
Cone Material		PAPER									
Net Weight	kg	3.25		4.2		7		7.15		7.9	
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
DC Resistance	Ohm	Dual 1.8	Dual 3.2	Dual 1.8	Dual 3.2	Dual 1.8	Dual 3.2	Dual 1.8	Dual 3.2	Dual 1.8	Dual 3.2
Voice Coil and Magnet Parameters											
Voice Coil Diameter	mm	50.8				61.1					
Voice Coil Height	mm	21.6		25.5	25.6	34	33	34	33	35	33
HE Magnetic Gap Height	mm	8		8	8	8	8	8	8	8	8
Max.Linear Excursion	mm	6.8		8.75	8.8	13	12.5	13	12.5	13.5	12.5
Voice Coil bobbin		Black aluminum									
Voice Coil Wire		Copper									
Number Of Layers	layers	4L									
Magnet System Type		Ferrite									
BL Product	N.A	12.38	7.6	14.95	9.06	17.15	13.8	17	10.25	17.98	10.63
T-S Parameters											
Resonant Frequency	FS	63	63	52	54	32	34	30	30	27	26
Moving Mass	Mms	62.6	56.7	100.5	86.5	204.8	175.9	239.2	223.5	340.9	318.4
Suspension Compliance	Cms	0.09	0.1	0.09	0.09	0.119	0.12	0.13	0.11	0.1	0.11
Mechanical Q Factor	Qms	4.93	4.3	4.25	4.26	4.17	4.5	4.46	4.36	4.71	4.32
Electrical Q Factor	Qes	0.59	0.62	0.53	0.57	0.53	0.61	0.52	0.65	0.65	0.75
Total Q Factor	Qts	0.52	0.55	0.47	0.5	0.47	0.53	0.46	0.57	0.57	0.64
Eq.Cas Air Load(liters)	Vas	2.48	2.78	5.28	5.41	18.53	19.2	54.4	48	103.9	115.7
Effective Piston Area(CM^2)	SD	132.7		201.06		330.06		530.9		855.3	
	Connection:	Series	Parallel	Series	Parallel	Series	Parallel	Series	Parallel	Series	Parallel