



MOJO
PRO

www.memphiscaraudio.com

MOJO PRO SUBWOOFER SPECS

UNITS		MJP822	MJP844	MJP1022	MJP1044	MJP1222	MJP1244	MJP1522	MJP1544
THIELE SMALL PARAMETERS									
Resonant Frequency (fs)	Hz	42	42	35.3	39.3	30.8	36.7	33.6	31.2
Mechanical Q (Qms)		2.78	2.56	6.19	6.014	6.69	7.217	7.95	6.558
Electrical Q (Qes)		0.56	0.55	0.63	0.682	0.594	0.764	0.823	0.727
Total Q (Qts)		0.47	0.45	0.571	0.613	0.545	0.69	0.746	0.65
Sensitivity	dB	82	82.3	82.6	83.77	85.15	85.68	87	88
Xmax Linear	in.	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Displacement	cf.	0.08	0.08	0.12	0.12	0.16	0.16	0.29	0.29
Air Volume of Suspension (Vas)	cf.	0.289	0.307	0.58	0.52	1.47	1.09	2.31	2.93
Moving Mass (Mms)	g	104.3	92.3	227.38	205.65	255.75	241.3	334.4	305.92
Suspension Compliance (Cms)	mmN	0.144	0.153	0.09	0.08	0.104	0.078	0.067	0.085
Effective Piston area (Sd)	SqCm	201	201	359.68	359.68	530.93	530.93	829.58	829.58
Motor Strength (Bl)	TM	6.8	8.44	8.96	11.37	9.165	11.23	9.3	12
DC Resistance	Ohms	1	1.75	1	1.74	1	1.73	1	1.75
VOICE COIL & MAGNET									
Impedance Series	ohms	4	8	4	8	4	8	4	8
Impedance Parallel	ohms	1	2	1	2	1	2	1	2
Voice Coil Diameter	in.	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
RMS Power	watts	750	750	750	750	750	750	750	750
Peak Power	watts	1500	1500	1500	1500	1500	1500	1500	1500
Magnet Weight	oz	105	105	120	120	120	120	120	120
Magnet Diameter	in.	6.14	6.14	6.69	6.69	6.69	6.69	6.69	6.69
PHYSICAL DIMENSIONS									
Mounting Depth	in.	5.6	5.6	5.72	5.72	6.23	6.23	7.88	7.88
Cutout Diameter	in.	7.32	7.32	9.45	9.45	11.1	11.1	13.84	13.84
Frame Outside Diameter	in.	8.64	8.64	11.23	11.23	12.94	12.94	15.9	15.9
ENCLOSURE RECOMMENDATIONS *GROSS VOLUME									
Single Sub Sealed	cf.	0.6	0.6	0.75	0.75	1	1	1.5	1.5
Dual Subs Sealed	cf.	1.2	1.2	1.5	1.5	2	2	3	3
Single Sub Vented	cf.	1	1	1.6	1.6	2.5	2.5	4.4	4.4
Port Dimensions	in.	3" x 3" x 17"L	3" x 3" x 17"L	4" x 3" x 20"L	4" x 3" x 20"L	5" x 5" x 27"L	5" x 5" x 27"L	7" x 6" x 28"L	7" x 6" x 28"L
Tuning Frequency	Hz	38	38	37	37	36	36	34	34
Dual Sub Vented	cf.	1.7	1.7	2.8	2.8	4.6	4.6	8.5	8.5
Port Dimensions	in.	4.5" x 4.5" x 23"L	4.5" x 4.5" x 23"L	5" x 5" x 22"L	5" x 5" x 22"L	7" x 6" x 23"L	7" x 6" x 23"L	9" x 9" x 22"L	9" x 9" x 22"L
Tuning Frequency	Hz	38	38	37	37	36	36	34	34