POWER ACOUSTIK®

2017

BAMF

SUBWOOFERS

www.PowerAcoustik.com

Power Acoustik®

BAMF subwoofers are the newest secret weapon for you bass BURP fanatics! These beasts are engineered for the most extreme conditions. Massive 3" 4-layer voice coils built on an aluminum former can take the heat. Freakishly oversized motor structures provide more magnetic inertia than is ever necessary for a woofer. Spruce tree pulp cones, high densitiy extended exursion foam surround, and hybrid suspension dampers work together to contain the momentum to a shattering roar...

Features, Parameters, & Specifications

Overcompensating Motor Sturcture for Increased Magnetic Strength
12mm T-Yoke & Top Plate Improve Low Frequency Dynamics
Vented T-Yoke & Frame Reduces Voice Coil Heat Build-up
Non-Magnetic Non-Resonate Die-Cast Aluminum Frame
3" 4-Layer Voice Coil w/ Direct Connect Wire Increases Power Handling
High-Temperature Tollerance Adhesives Resist Thermal Failure
Non-Transfer Spruce Pulp Cone w/ UV & Chemical Protection
Sitched and Glued Surround/Cone Joints for Strongest Bonding
Extended Excursion Polyether Foam Surround w/ UV Protection
Dual Poly-Cotton Suspension Dampen Violent Accelerations
Stitched Voice Coil Leads Prevent Potential Damage
1-pc Gasket/Trim Ring w/ Concealed Mounting Holes Included

Specification	BAMF-102	BAMF-104	BAMF-122	BAMF-124	BAMF-152	BAMF-154
Fs (Hz)	39.8	40.2	37.478	36.3	32.832	33.2
Qms	4.54	4.54	7.128	3.82	3.798	4.68
Vas (ft^3)	.406	.364	0.92	.83	1.76	1.66
Cms (mm/N)	.07	.06	.0728	.07	.0509	.06
Mms (g)	235.8	232.4	247.71	292.5	461.164	341
Xmax (mm)	14		14		14	
Xmech (mm)	38		38		38	
Qes	.64	.67	.677	.66	.660	.77
Re (Ω)	3.6	7.2	3.6	7.2	3.6	7.2
Z (Ω)	4	8	4	8	4	8
BL (Tm)	16.8	25.1	17.612	26.7	22.784	26.9
MAX Power	3,200w		3,500		3,800w	
RMS Power	1,600w		1,750w		1,900w	
Qts	.56	.58	.618	.57	.562	.66
NO (%)	.10	.10	.198	.160	.258	.280
Efficiency	83.8dB	83.5dB	85.0dB	84.6dB	86.1dB	86.4dB
Impedance	DVC 2 Ω	DVC 4 Ω	DVC 2 Ω	DVC 4 Ω	DVC 2 Ω	DVC 4 Ω

Enclosure Dimensions

Included in this manual are a number of different enclosure suggestions. These are by no means the only enclosures to use, but they provide a starting point to determine the correct enclosure for your needs many factors must be addressed (amount of power, vehicle, placement, crossovers, etc) Therefore, as always, we recommend that your subwoofer be installed by an authorized Power Acoustik dealer.

Enclosure Construction

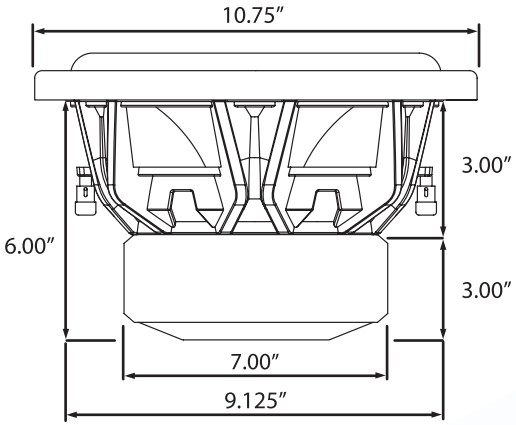
All enclosures should be made of .75" (3/4") material only. When possible, make the baffle 1.5" (1 ½) thick and add .75" (3/4") to the depth of the enclosure to compensate. All volumes INCLUDE vent/ port and subwoofer displacements. DO NOT change the volume unless you plan on adding a substantial amount of bracing. For added performance, applying a coat of fiberglass resin to the interior walls will greatly improve sealing the enclosure. Adding a thin layer of poly-fill will improve response by smoothing out reflections within the enclosure.

Enclosure Recommendations

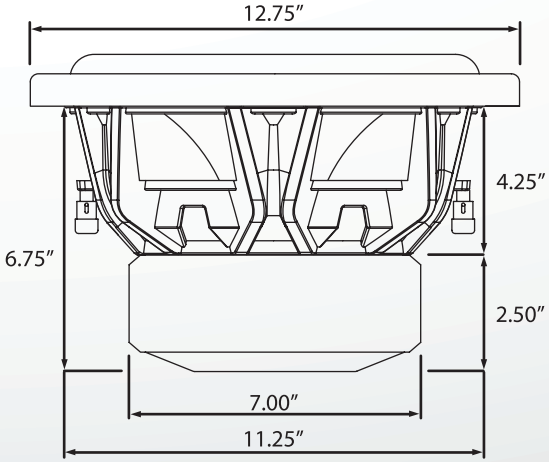
Sealed	BAMF-10	BAMF-12	BAMF-15
Min	0.50FT^3	0.75FT^3	1.50FT^3
Optimum	0.75FT^3	1.00FT^3	2.00FT^3
Maximum	1.00FT^3	1.25FT^3	2.50FT^3
Ported	**BAMF-10**	**BAMF-12**	**BAMF-15**
Min	1.00FT^3	1.75FT^3	3.00FT^3
Round Port	3" X 14"L	4" X 15.25"L	(2) 3" X 9.75"L
Tuning (Hz)	34.0	33.3	31.3
Opt	1.25FT^3	2.00FT^3	4.00FT^3
Round Port	3" X 11.5"L	4" X 14.50"L	(2) 4" X 15.75"L
Tuning (Hz)	31.1	31.1	28.5
Max	1.50FT^3	2.25FT^3	5.00FT^3
Round Port	3" X 10"L	4" X 14"L	(2) 4" X 13"L
Tuning (Hz)	29.2	29.3	26.8

Driver Dimensions

BAMF-10



BAMF-12



BAMF-15