



POWER ACOUSTIK®

PSQ

10 - 12

In past years, square, triangular, hexagonal and pentagonal subwoofers have tried to change & excite the marketplace. The very simple fact is that if you have any given area, a square woofer will yield the most cone area which means higher SPL. Even so, most square woofers have been poorly designed and do not meet the expectations. The PSQ subwoofers are engineered from the ground up, and do yield higher SPL than any of our other subwoofers!

PSQ Features

28% More Cone Area Than Round Woofer
 Stamped Steel Basket w/ Rolled Edges
 Aluminum Voice Coil Former
 Direct Wire Terminal Design

Injection Molded Polypropylene Cone
 Multi-Roll NBR Rubber Surround
 Vented Back Plate
 Suspension Integrated Tinsel Leads

Driver Specifications

T/S Spec	PSQ-10	PSQ-12
Fs (Hz)	31.89	30.10
Qms	5.379	4.598
Vas (ft ³)	1.408	3.003
Xmax (mm)	10	12.65
Xmech (mm)	15	18.975
Qes	.904	.988
Re (Ω)	6.25	6.2
Voice Coil (Ω)	DVC 4Ω	DVC 4Ω
V.C. Diameter (in.)	2.00"	2.00"
BL (Tm)	15.28	15.31
RMS Power	700	700
Max Power	1,800	1,800
Qts	.774	.813
1w/1m SPL (dB)	83.54	85.69
Overall Dimension	10.75"	12.375"
Overall Height	6"	6.5"
Mounting Depth	5.25"	5.875"
Cutout Dimension	9.25"	11.125"
Flange Width	0.625"	0.625"
Flange Height	0.75"	0.75"
Weight (lbs.)	9.5	10

Enclosure Recommendations

All enclosures should be made of .75" (3/4") material only. When possible, make the baffle 1.5" (1 1/2") 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.

PSQ-10 Sealed			PSQ-12 Sealed		
Cubic Feet	QTC	Tuning (Hz)	Cubic Feet	QTC	Tuning (Hz)
1.50	1.026	35.4	2.00	1.214	35.8

PSQ-10 Ported			PSQ-12 Ported		
Cubic Feet	Port Diameter	FB/F3 (Hz)	Cubic Feet	Port Diameter	FB/F3 (Hz)
2.00	4" x 12"	36/28	2.50	4" x 10"	34/32

Turn over for woofer wiring diagrams...

