



POWER ACOUSTIK®

P1

10 - 12 - 15

Subwoofers do not need to have monster magnets to work properly. These all-new drivers are great for the modest powered system and yield great sound quality and much lower bass than the previous models. Each model features a molded Polypropylene cone and Butyl Rubber surround for great performance and durability. Dual 4-ohm voice coils are wound on Kapton formers for versatility and better heat dissipation. Check out the new entry level drivers and see for yourself that lost cost subs do not have to sacrifice performance!

P1 Features

- Polypropylene Injection Molded Cone
- Butyl-Rubber Surround
- KSV Kapton Voice Coil
- Nickel Plated 8 ga. Compression Wire Terminal
- Suspension Integrated Tinsel Leads
- Poly Cotton Spider
- Texture Coat Finish on Stamped Steel Basket

Driver Specifications

T/S Spec	P1-10W	P1-12W	P1-15W
Fs (Hz)	34.84	28.25	24.75
Qms	6.318	7.175	6.025
Vas (ft ³)	1.368	2.362	7.329
Xmax (mm)	7.55	9.00	8.00
Xmech (mm)	11.33	13.50	12.00
Qes	1.092	0.9	0.904
Re (Ω)	7.2	7.2	7.2
Voice Coil (Ω)	DVC 4Ω	DVC 4Ω	DVC 4Ω
V.C. Diameter (in.)	1.50"	2.00"	2.00"
BL (Tm)	10.97	14.85	15.64
RMS Power	300	400	500
Max Power	700	900	1000
Qts	0.931	0.8	0.786
1w/1m SPL (dB)	83.63	84.11	87.29
Overall Diameter	10.5"	12.625"	15.750"
Overall Height	5.5"	6"	7"
Mounting Depth	4.875"	5.125"	6.375"
Cutout Diameter	9.250"	11"	14"
Flange Width	0.750"	0.875"	0.875"
Flange Height	0.625"	0.750"	0.750"
Weight (lbs.)	6.2	7.8	10.1

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.

P1-10W Ported			P1-12W Ported			P1-15W Ported		
Cubic Feet	Port Diameter	FB/F3 (Hz)	Cubic Feet	Port Diameter	FB/F3 (Hz)	Cubic Feet	Port Diameter	FB/F3 (Hz)
1.50	3" x 9"	35/32	2.00	4" x 12.5"	35/31	4.00	(2) 4" x 11.75"	35/32

P1-10W Sealed		P1-12W Sealed		P1-15W Sealed	
Cubic Feet	Tuning (Hz)	Cubic Feet	Tuning (Hz)	Cubic Feet	Tuning (Hz)
0.75	42.9	1.25	36.0	2.00	38.7

Turn over for woofer wiring diagrams...

