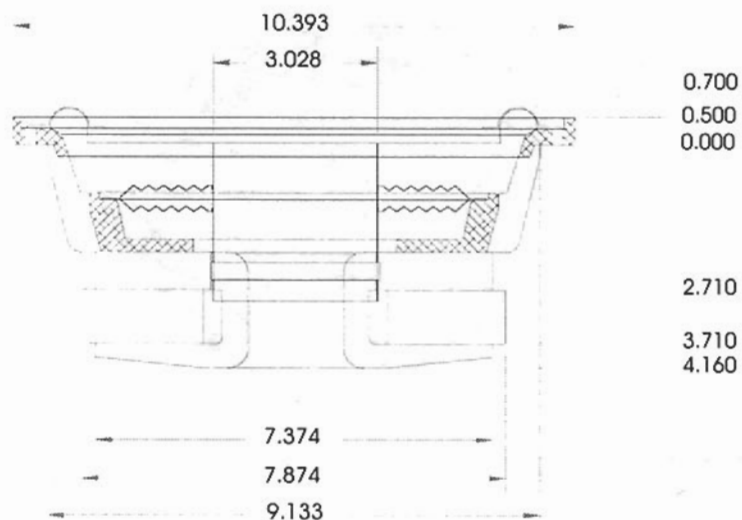


PRO10

POWERCLASS



- Power Handling: 300WRMS
- Voice Coil Diameter: 3"
- F_s : 37Hz
- Q_{ts} : 0.36
- Q_{ms} : 2.22
- Q_{es} : 0.42
- V_{as} : 34.1 Liter
- DCR: $4\Omega/8\Omega$
- M_{ms} : 75.13 grams
- S_d : 0.0315 sqM
- BL Product: 2.92 TM
- X_{max} : 5.5mm
- Peak to Peak Excursion: 26mm
- Sensitivity (1W/1M): 88.1dB



- Carbon Fiber/Nomex Honeycomb ACDS
- Cast Aluminum Chassis
- Inverted Coil Geometry Motor Structure
- Edge-Wound Voice Coil
- Nomex Reinforced Kapton Voice Coil Former
- Ferrofluid Cooling
- Dual Complementary Spiders
- Forged Steel Pole Piece/Back Plate Unit
- Foam Wrapped Lead-in Wires
- High Tension Gold Plated Terminal Posts
- SBR Rubber Surround
- Double Vented Pole Piece
- 18mm Front Plate
- 300WRMS
- 3" Voice Coil
- 114 Oz Magnet

PrecisionPower

PROTO

POWERCLASS

WOOFER CROSS REFERENCE

	AUDIOPHILE	ALL-PURPOSE	SPL
PRO8	1.25 PORTED F3: 24HZ 102.3dB@40HZ 3DIA x 14.37 PORT Fb: 30HZ	.75 SEALED F3: 38HZ 101.1dB@80HZ	1.0 BANDPASS F3: 55HZ 109.4dB@60HZ .4S / .6P / 3DIA x 5 PORT
	1.0 PORTED F3: 27HZ 104.6dB@40HZ 3DIA x 13L PORT Fb: 35HZ	.75 BANDPASS F3: 46HZ 106.3dB@60HZ .35S / .35P / 3DIA x 9.5 PORT	1.5 BANDPASS F3: 55HZ 111.2dB@60HZ .7S / .8P / 4DIA x 8.375 PORT
PC8	1.25 PORTED F3: 28HZ 107.2dB@40HZ 3DIA x 9.875 PORT Fb: 35HZ	.5 BANDPASS F3: 45HZ 106.8dB@60HZ .25S / .2P / 3DIA x 14.75 PRT	1.0 BANDPASS F3: 60HZ 111.4dB@80HZ .35S / .6P / 4DIA x 8.5 PORT
	1.0 PORTED F3: 30HZ 107.7dB@40HZ 3DIA x 10.5 PORT Fb: 38HZ	1.0 SEALED F3: 46HZ 101.6dB@100HZ	.75 BANDPASS F3: 53HZ 108.5dB@80HZ .3S / .4P / 3DIA x 4 PORT
PRO10	1.5 PORTED F3: 28HZ 109.7dB@50-60HZ 4DIA x 15 PORT	.75 SEALED F3: 44HZ 107.8dB@80HZ	1.5 BANDPASS F3: 50HZ 113.7dB@60HZ .6S / 1.0P / 4DIA x 4.5 PORT
	1.75 SEALED F3: 40HZ 106.7dB@80HZ	1.0 BANDPASS F3: 44HZ 110.4dB@60HZ .5S / .5P / 4DIA x 9.25 PORT	2.5 BANDPASS F3: 41HZ 113.6dB@50HZ 1.0S / 1.5P / 5DIA x 8.5 PORT
PC10	1.5 PORTED F3: 28HZ 108.5dB@50HZ 4DIA x 15 PORT Fb: 35HZ	.75 SEALED F3: 44HZ 106.3dB@80HZ	1.9 BANDPASS F3: 56HZ 114.5dB@80HZ .5S / 1.4P / 4DIA x 2 PORT
	1.75 SEALED F3: 39HZ 105.1dB@80HZ-100HZ	1.0 BANDPASS F3: 43HZ 108.7dB@60HZ .5S / .5P / 4DIA x 9.25 PORT	1.4 BANDPASS F3: 51HZ 108.8dB@50HZ .5S / .9P / 4DIA x 5 PORT
PRO12	2.0 PORTED F3:29HZ 113.1@60HZ 4DIA x 8.375 PORT	1.5 BANDPASS F3: 37HZ 110.2dB@50HZ 1.0S / .5P / 4DIA x 8 PORT	3.15 BANDPASS F3: 56HZ 117.6dB@80HZ .9S / 2.25P / 6DIA x 2 PORT
	2.0 SEALED F3: 41HZ 108.9dB@100HZ	2.0 BANDPASS F3: 41HZ 113.1dB@60HZ 1.0S / 1.0P / 4DIA x 3.5 PORT	2.5 BANDPASS F3: 49HZ 115.1dB@60HZ 1.0S / 1.5P / 6DIA x 5.25 PRT
PC12	2.0 SEALED F3: 41HZ 110.0dB@80HZ	2.6 BANDPASS F3: 42HZ 112.0dB@50HZ 1.3S / 1.3P / 4DIA x 2 PORT	3.0 BANDPASS F3: 50HZ 113.9dB@60HZ 1.0S / 2.0P / 6DIA x 4 PORT
	1.75 SEALED F3: 43HZ 110.4dB@60HZ	1.5 PORTED F3: 43HZ 114.3dB@80HZ 4DIA x 8.75 PORT Fb: 43HZ	2.0 PORTED F3: 37 HZ 112.6dB@80HZ 4DIA x 9 PORT Fb: 37HZ
PC15	3.5 PORTED F3: 28HZ 113.1dB@50HZ 4DIA x 7.375 PORT Fb:30HZ	2.0 SEALED F3: 39HZ 110.5dB@80HZ	3.5 BANDPASS F3: 52HZ 118.0dB@80HZ .9S / 2.6P / 6DIA x 1.5 PORT
	3.5 SEALED F3: 35HZ 109.6dB@80HZ	2.25 BANDPASS F3: 33HZ 111.1dB@40HZ 1.25S / 1.0P / 4DIA x 5.5PORT	2.5 BANDPASS F3: 46HZ 116.0dB@80HZ 1.0S / 1.5P / 6DIA x 4.5 PORT

If you know which Woofer you are using, and the musical preference of the customer, You can use this **Woofer Cross Reference** to choose the best enclosure.

As an example, let's say that your customer has decided to use two PRO10s in his vehicle, and he wants them to be as loud as possible without giving up any low bass. This fits the **All-Purpose** category, so look across the **PRO10** row and down the **All-Purpose** column. Where the two intersect you will see two enclosure designs. The first choice is the best technical design for this application, but it may not work the best in your customer's vehicle due to size or configuration.

The information in the box will give you an idea of the performance you can expect from that design:

Total Net Volume and Box Type	Low Frequency Rolloff
<p>Efficiency Peak at Frequency</p> <p>.75 SEALED 107.8dB@80HZ</p>	<p>F3: 44HZ</p>
<p>1.0 BANDPASS 110.4dB@60HZ .5S / .5P / 4DIA x 9.25 PORT</p> <p>Sealed and Ported Net Volumes (Bandpass)</p>	<p>F3: 44HZ</p> <p>Recommended Port Dimensions</p>

You will want to see the appropriate Driver Index for specific information on your Woofer/Enclosure combination

PRO10

DRIVER INDEX

	ENCLOSURE	PORT TUNING	-3dB POINT	BEST USE	SUB-SONIC
.50	SEALED		48.4		
	PORTED PORT: 2 1/2 DIA x 10 7/8	45	39.6		32HZ
.75	SEALED		43.7		
	PORTED PORT: 3 DIA x 10	45	38.6		35HZ
	BANDPASS .5SEALED/.18PORTED PORT = 3 DIA x 11.5	86.7	35/155		
1.00	SEALED		41.6		35HZ
	PORTED PORT: 3 DIA x 9 3/8	40	33		32
	BANDPASS .5SEALED/.5PORTED PORT = 4 DIA x 9.25	73	44-113		
1.25	SEALED		41.3		33HZ
	PORTED PORT: 4 DIA x 13.5	40	32		32
1.50	SEALED		40.6		29HZ
	PORTED PORT: 4 DIA x 15	35	28		30
	BANDPASS .6SEALED/1.0PORTED PORT = 4 DIA x 4.5	65	50-91		
1.75	SEALED		40.0		27HZ
2.50	BANDPASS 1.0SEALED/1.5PORTED PORT = 5 DIA x 8.5		41-65		

PRO10

DRIVER INDEX

AMPLITUDE RESPONSE / PWR HANDLING							
	30HZ	40HZ	50HZ	60HZ	80HZ	100HZ	
SEALED	92.9 300W	98.1	102.5	106.0	108.5	108.4 300W	.50
PORTED	94.5 173W	99.6 300W	103.9	107.9	111.9	110.7 300W	
SEALED	95.1 300W	100.2	104.0	106.5	107.8	107.5 300W	.75
PORTED	96.2 106W	102.4 300W	107.2	111.0	111.8	109.9 300W	
BAND PASS	96.4 300W	104.1 186W	106.3 300W	104.6	103.4	104.2 300W	
SEALED	96.4 217W	101.2 239W	104.5 298W	106.5 300W	107.3	107.1 300W	1.00
PORTED	99.5 122W	105.4 300W	109.3	111.0	110.2	108.7 300W	
BAND PASS	95.6 300W	103.3	109.6	110.4	109.8	109.8 300W	
SEALED	97.1 165W	101.8 204W	104.7 281W	106.4 300W	107.0	106.8 300W	1.25
PORTED	100.5 103W	107.4 300W	110.6	111.1	109.6	108.3 300W	
SEALED	97.7 143W	102.2 187W	104.8 269W	106.3 300W	106.8	106.7 300W	1.50
PORTED	104.0 300W	108.2	109.7	109.7	108.6	107.7 300W	
BAND PASS	96.6 300W	104.4	111.1	113.7	113.4	108.0 300W	
SEALED	98.1 130W	102.4 178W	104.9 273W	106.2 300W	106.7	106.6 300W	1.75
BAND PASS	101.0 152W	109.7 175W	113.6 300W	112.2	105.5	99.1 300W	2.50