



GENERAL DESCRIPTION

- High efficiency compression drivers with various power levels available
- Environment resistant construction for indoor/outdoor use
- Various horn types available for different coverage patterns and SPL's
- Field replaceable diaphragms

PD-30(T)(-16)

Field connections are made to the 2 screw terminals located under the clear cover plate. Terminal 2 is positive with respect to terminal 1. For the transformer equipped models, a screwdriver adjustable tap selector is also located beneath the cover plate. Set the tap to the desired power level by lining up the screwdriver slot with the correct tap position. Do not use positions 6 or 7 (PD-30T) for a 70.7V line. **It is recommended that the proper high pass filter be installed to limit low frequency reproduction and to prolong diaphragm life. Low frequency cut off is a parameter of the horn attached to this driver. Check with Atlas Sound for recommendations. See Capacitor Selection Chart for the proper value on this document.**

SPECIFICATIONS									
MODEL	POWER RATING	PLANE WAVE FREQ. RESPONSE	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL*	IMPEDANCE	POWER TAPS	VOICE COIL	DIMENSIONS	WEIGHT
PD-30	30W	300 - 3,900 Hz (±5dB)	500Hz	113.6 (avg) 300 - 3,900 Hz (±5dB)	8 (Nom.)	-	1.5" (3.2cm)	4.5" H x 4.5" Dia. (11.4cm x 11.4cm)	3 lbs. (1.45Kgs.)
PD-30-16					16 (Nom.)	-			4.75 lbs. (2.1Kgs)
PD-30T					45, 89, 167, 333, 666, 1300, 2500	70.7V @ - 1.8, 3.7, 7.5, 15, 30			

PD5VH(T)

Field connections for the **non** transformer version are located on the outside of the sound chamber and are marked "1" and "2". Pin 2 is positive with respect to pin 1.

For the transformer equipped version, field connections are made to the screw terminals located on the rear of the driver assembly, beneath the clear protective cover. On this model, connect the common of your speaker line to the terminal labeled "C", the positive of your speaker line to the appropriate tap terminal.

It is recommended that the proper high pass filter be installed to limit low frequency reproduction and to prolong diaphragm life. Low frequency cut off is a parameter of the horn attached to this driver. Check with Atlas Sound for recommendations. See Capacitor Selection Chart for the proper value on this document.

SPECIFICATIONS									
MODEL	POWER RATING	PLANE WAVE FREQ. RESPONSE	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL*	IMPEDANCE	POWER TAPS	VOICE COIL	DIMENSIONS	WEIGHT
PD-5VH	40W	110 - 4,100 Hz (±5DB)	250Hz	110.7 (AVG) 110 - 4,200 Hz (±5db)	16 (Nom.)	-	2" (5CM)	5 1/8" H x 6 3/8" W (17.5cm x 16.2cm)	4.10 lbs. (1.9Kgs.)
PD-5VT	40W	190 - 4,200 Hz (±5db)	300 Hz	111.2 (avg) 190 - 4,200 Hz (±5dB)	2K, 1K, 500, 250, 125, 16	70.7V @ - 2.5, 5, 10, 20, 40			6 7/8" H x 6 3/8" W

Specifications are subject to change without notice



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PD60A(T)

Field connections are made to the screw terminals located on the rear of the driver assembly, beneath the clear protective cover. On the transformer equipped models, connect the common of your speaker line to the terminal labeled "C", and the positive of your speaker line to the appropriate tap terminal.

On the non transformer equipped assembly, terminal 2 is positive with respect to terminal 1. It is recommended that the proper high pass filter be installed to limit low frequency reproduction and to prolong diaphragm life. Low frequency cut off is a parameter of the horn attached to this driver. Check with Atlas Sound for recommendations. See Capacitor Selection Chart for the proper value on this document

SPECIFICATIONS									
MODEL	POWER RATING	PLANE WAVE FREQ. RESPONSE	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL*	IMPEDANCE	POWER TAPS	VOICE COIL	DIMENSIONS	WEIGHT
PD-60A	60W	100 - 3,700 Hz (±5dB)	300Hz	112.7 (AVG) 100 - 3,700 Hz (±5db)	16 (Nom.)	-	2" (5CM)	6 7/8" H x 6 3/8" W (17.5cm x 16.2cm)	6.2 lbs. (2.8Kgs.)
PD-60AT					2K, 1K, 500, 250, 125, 18, 16	70.7V@ - 2.5, 5, 10, 20, 40, 60			8 lbs. (3.6Kgs)

IMPORTANT!

To determine the proper capacitor to limit low frequency reproduction, find the low frequency cutoff for the compression driver you are using, locate this figure on the chart below on the left hand vertical column. Next, using the tap value you are using in Watts from the top horizontal column, follow down to find the recommended capacitor value.

Use non polarized electrolytic capacitors rated at 150VDC or greater, wired in series with the positive lead of the speaker line, one per driver.

Note: When non-standard values are indicated, use closest smaller value.

Capacitor Selection Chart

Horn Low Freq Cut-Off							VOICE COIL	
	60 W 83 OHMS	40 W 125 OHMS	30 W 169 OHMS	20 W 250 OHMS	15 W 333 OHMS	10 W 500 OHMS	16 OHMS	8 OHMS
100 Hz	20 uf	12 uf	10 uf	6 uf	5 uf	3 uf	100 uf	200 uf
125 hz	15 uf	10 uf	7.5 uf	5 uf	4 uf	2.4 uf	80 uf	160 uf
150 hz	12 uf	8 uf	6 uf	4 uf	3 uf	2 uf	66 uf	132 uf
200 hz	10 uf	6 uf	5 uf	3 uf	2.5 uf	1.5 uf	50 uf	100 uf
250 hz	7.5 uf	5 uf	3.7 uf	2.5 uf	2 uf	1.2 uf	40 uf	80 uf
300 hz	6 uf	4 uf	3 uf	2 uf	1.5 uf	1 uf	33 uf	66 uf
400 hz	5 uf	3 uf	2.5 uf	1.5 uf	1.25 uf	.75 uf	25 uf	50 uf
500 hz	4.7 uf	2.5 uf	2.3 uf	1.2 uf	1.1 uf	.6 uf	20 uf	40 uf
650 hz	3 uf	2 uf	1.5 uf	1 uf	.75 uf	.5 uf	15 uf	30 uf
800 hz	2.5 uf	1.5 uf	1.2 uf	.75 uf	.6 uf	.4 uf	12.5 uf	25 uf
1000 hz	2 uf	1.2 uf	1 uf	.6 uf	.5 uf	.3 uf	10 uf	20 uf
1200 hz	1.5 uf	1 uf	.75 uf	.5 uf	.4 uf	.25 uf	8.2 uf	16.4 uf
1600 hz	1.1 uf	.7 uf	.55 uf	.35 uf	.22 uf	.17 uf	6.2 uf	12.4 uf

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