



HIGH EFFICIENCY 60-WATT COMPRESSION DRIVERS

PD-60A
PD-60AT

TWO



PD-60A / PD-60AT

FEATURES

- Outstanding sound reproduction and power-handling for signaling, music and public address systems
- Extended frequency response range for Optimum intelligibility
- 60 watt power rating
- Environment-resistant construction for indoor/outdoor use
- Offered with or without transformer

APPLICATIONS

Atlas Sound Models PD-60A and PD-60AT are versatile, 60 watt, high power, compression drivers designed for use in conjunction with Atlas Sound large format horns (Models CJ-46, BIA-100, DR Series) or other similar equipment. Drivers provide maximum efficiency and extended heavy-duty performance. Combined with Atlas Sound horns, PD-60A Series Models offer quality and durability to assure optimum penetration and excellent intelligibility in professional and commercial audio systems where sound projection and frequency response are demanded. PD-60A Series drivers will provide powerful audio or signal reproduction with superior wide-range fidelity.

Units are ideal for commercial sound, signaling and public-address systems in applications such as manufacturing, recreation and sports facilities, exhibit halls, commercial centers, shipping and transportation terminals, malls, storage areas and warehouses, etc.

GENERAL DESCRIPTION

Models PD-60A and PD-60AT are fully environment-resistant 60 watt drivers for indoor or outdoor application and are recommended for use in expansive and/or high ambient sound-level areas. Models feature sound chamber, phasing plug, magnetic-structure components machined to optimum tolerances, 2" voice coil and offer a plane wave frequency response of 100 - 3,700 Hz (+5dB).

This series, which is comprised of a 16-ohm (PD-60A) and transformer (PD-60AT) versions, will meet a variety of applications. Model PD-60A provides screw-type terminals for matching direct to the 16 ohm voice coil impedance. The PD-60AT features a built-in varnish impregnated, multi-tap 70 volt line-matching transformer. Corrosion-resistant terminal connections are protected by a transparent, impact-resistant plastic cover which provides strain relief for the interconnecting cable.

Models PD-60A and PD-60AT are terminated in standard 1.375"-18" thread male couplings for use with screw-on horns, or with Atlas Sound Model DA-FH and YDA-TH adapters for bolt-on large format horns. Diaphragms are replaceable with appropriate equipment.

Internal components are enclosed within protective die-cast housing and finished in grey baked epoxy.

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)	300 Hz	112.7 (avg) 100 - 3,700 Hz (+5dB)	16 (Nom.)	—	2" (5cm)	6 ⁷ / ₁₆ " H x 6 ³ / ₁₆ " W (17.5cm x 16.2cm)	6.2 lbs. (2.8Kgs.)
PD-60AT					2K, 1K, 500, 250, 125, 85, 16	70.7V @ 2.5, 5, 10, 20, 40, 60			8 lbs. (3.6Kgs)

*Measured on a plane wave tube at 1 mW (See SL2-1411, SL2-1414, or SL2-1418 for sound pressure levels on projector horns being used with these drivers)

Specifications subject to change without notice



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ARCHITECT AND ENGINEER SPECIFICATIONS

Compression driver unit shall be Atlas Sound Model _____ PD-60A, PD-60AT or approved equal. Unit shall have a full range power capacity of 60 watts above the low frequency cut-off of the associated projector horn.

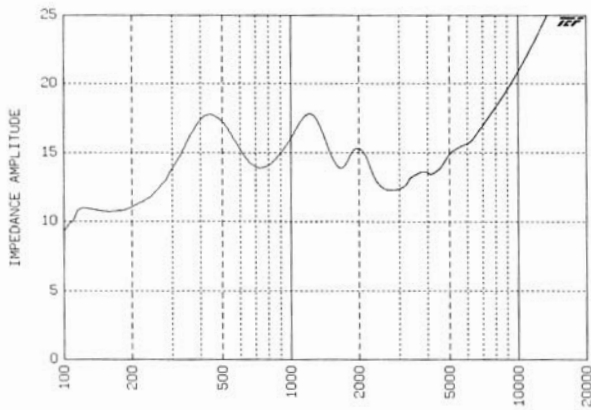
Rated frequency response shall be 100-3,700 (+5dB) measured on a plane wave tube at 1 mW. Unit shall have a ceramic magnet and each driver shall have a sound pressure output capability level of 112.7 (avg) 100-3,700Hz (+5dB). Low frequency limit at full power shall be 300Hz. Compression driver shall have a 16 ohm voice coil of 2" diameter constructed of cloth-base molded phenolic.

Driver with enclosed terminal shall be capable of standard indoor/outdoor use and be fully environment resistant. The units shall terminate in the industry standard 1/8"-18 thread pattern and a .707" inch throat.

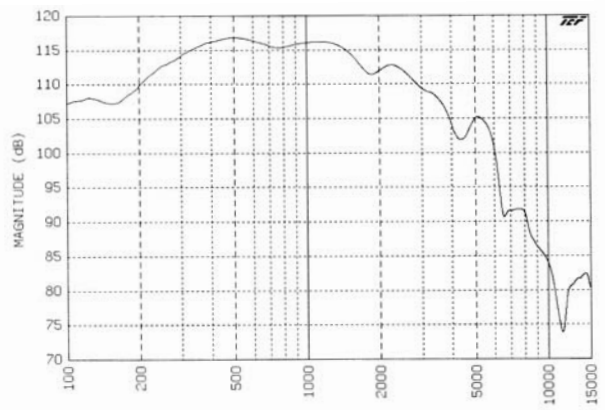
Diaphragm shall be field-replaceable and shall be high-temperature molded phenolic with a roll-type, flex-point suspension.

Models PD-60A shall have a nominal impedance of 16 ohms. Unit PD-60AT shall be equipped with a 70.7 volt transformer having power taps of 2.5, 5, 10, 20, 40 and 60 Watts.

Impedance and power taps shall be clearly identified and referenced on screw-terminal board.



PD-60A Impedance



PD-60A Plane Wave Tube Response

NOTE: Plane wave tube measurements provide resistive loads to test drivers. Actual frequency response of a driver / horn combination will vary depending on the horn used with the driver. Consult individual horn specification sheet for typical horn frequency response.

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