



PD60A & PD60AT

High Efficiency 60 Watt Compression Drivers



PD60A

Features

- Outstanding Sound Reproduction and Power-Handling for Signaling, Music and Public Address Systems
- Offered With or Without Transformer
- 60 Watt Power Rating
- Extended Frequency Response Range for Optimum Intelligibility
- Environment-Resistant Construction for Indoor/Outdoor Use

Applications

Atlas Sound Models PD60A and PD60AT 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 & CD Series) or other similar equipment. Drivers provide maximum efficiency and extended heavy-duty performance. Combined with Atlas Sound horns, PD60A Series Models offer quality and durability to assure optimum penetration and excellent intelligibility in professional and commercial audio systems where excellent sound projection and frequency response are demanded. PD60A 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 PD60A and PD60AT 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 100Hz – 3.7kHz (± 5 dB).

This series, which is comprised of a 16 Ω (PD60A) and transformer (PD60AT) versions, will meet a variety of applications. Model PD60A provides screw-type terminals for matching direct to the 16 Ω voice coil impedance. The PD60AT features a built-in varnish impregnated, multi-tap 70.7V 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 PD60A and PD60AT are terminated in standard 1 $\frac{3}{8}$ "–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.

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Specifications

PD60A

Power Rating	60 Watts @ 16Ω
Plane Wave Freq. Response	100Hz - 3.7kHz (±5dB)
Low Freq. Limit@ Full Power	300Hz
Sensitivity	112.7 (avg), 100Hz – 3.7kHz (±5dB)
Impedance	16Ω
Voice Coil	2" (50.8mm)
Height	6 ⁷ / ₈ " (175mm)
Width	6 ³ / ₈ " (162mm)
Weight	6.2 lbs.(2.8 kgs.)

PD60AT

Power Rating	60 Watts @ 70.7V
Plane Wave Freq. Response	100Hz - 3.7kHz (±5dB)
Low Freq. Limit@ Full Power	300Hz
Sensitivity	112.7 (avg), 100Hz – 3.7kHz (±5dB)
Impedance	2KΩ, 1KΩ, 500Ω, 250Ω, 125Ω, 85Ω, 16Ω
Power Taps	2.5W, 5W, 10W, 20W, 40W, 60W
Voice Coil	2" (50.8mm)
Height	6 ⁷ / ₈ " (175mm)
Width	6 ³ / ₈ " (162mm)
Weight	8 lbs.(8 kgs.)

*Measured on a plane wave tube at 1W/1M

Architect and Engineer Specifications

Compression driver unit shall be Atlas Sound Model ____ PD60A, PD60AT 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 100Hz–3.7kHz (±5dB) measured on a plane wave tube at 1W/1m. Unit shall have a ceramic magnet and each driver shall have a sound pressure output capability level of 112.7dB 100Hz–3.7kHz (±5dB). Low frequency limit at full power shall be 300Hz. Compression driver shall have a 16Ω 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 1¹/₈"–18 thread pattern and a .707" inch throat.

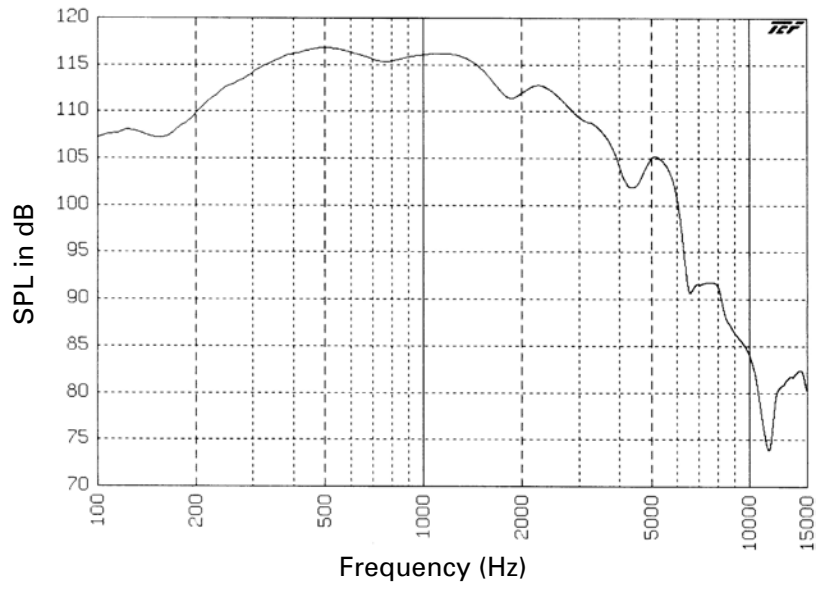
Diaphragm shall be field-replaceable and shall be high-temperature molded phenolic with a roll-type, flex-point suspension.

Models PD60A shall have a nominal impedance of 16Ω. Unit PD60AT shall be equipped with a 70.7V 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.

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.

PD-60A Frequency Response



PD-60 Impedance

