



PD-30 Series

High Efficiency 30-Watt Compression Drivers



PD-30T

General Description

Models PD-30, and PD-30T are fully environment-resistant for indoor or outdoor application and are recommended for use in expansive and/or high-ambient sound-level areas. Units have a power rating of 30 Watts, a 1.5" voice coil and a plane wave frequency response of 300Hz-3.9kHz (± 5 dB).

Model PD-30 has a nominal impedance of 8 Ω . Transformer-equipped Model PD-30T incorporates the exclusive Atlas Sound Vari-Tap[®] Control/Connect Center with a screwdriver selectable Ω /Watts switch. This time saving configuration eliminates the soldering iron as an installation tool.

The integral 70.7V line matching transformer is varnish impregnated for maximum environment-resistance and life expectancy. It also includes a protective terminal cover with built-in strain relief to assure secure cable connection.

Models PD-30, and PD-30T are terminated in standard 1/8"-18 thread male couplings for use with screw-on horns, or with Atlas Sound Model DA-FH adapter for bolt-on type horns. All Series Models feature die-cast housing, finished in grey baked epoxy.

Specifications

PD-30

Power Rating	30 Watts @ 8 Ω
Plane Wave Freq. Response	300Hz - 3.9kHz (± 5 dB)
Low Freq. Limit@ Full Power	500Hz
Sensitivity	113.6
Impedance	8 Ω
Voice Coil	1.5" (32mm)
Height	4.5"(114mm)
Diameter	4.5" (114mm)
Weight	3 lbs.(1.4Kgs.)

PD-30T

Power Rating	30 Watts @ 70.7V
Plane Wave Freq. Response	300Hz - 3.9kHz (± 5 dB)
Low Freq. Limit@ Full Power	500Hz
Sensitivity	113.6 (avg), 300Hz - 3.9kHz (± 5 dB)
Impedance	45 Ω , 89 Ω , 167 Ω , 333 Ω , 666 Ω , 1300 Ω , 2500 Ω
Power Taps	1.8W, 3.7W, 7.5W, 15W, 30W
Voice Coil	1.5" (32mm)
Height	4.5"(114mm)
Diameter	4.5" (114mm)
Weight	4.75 lbs.(2.1Kgs)

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

Features

- Outstanding Sound Reproduction and Power-Handling for Signaling, Music and Public Address Systems
- Offered in 8 Ω 70.7V Transformer Equipped Models
- Extended Frequency Response Range for Optimum Intelligibility
- 30 Watt Power Rating
- Environment-Resistant Construction for Indoor/Outdoor Use

Applications

Atlas Sound Models PD-30, and PD-30T are versatile, medium-power compression drivers designed for maximum efficiency and extended heavy-duty performance. Combined with Atlas Sound horns, PD Series Models offer quality and durability to assure optimum penetration and excellent intelligibility in professional and commercial audio systems.

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.

©2012 Atlas Sound L.P. All rights reserved. Atlas Sound and Strategy Series are trademarks of Atlas Sound L.P. All other trademarks are the property of their respective owners. ATS004135 RevA 7/12

Architect and Engineer Specifications

Compression driver unit shall be Atlas Sound Model ____PD-30 & PD30T or approved equal. Full range integrated speech and music program handling capacity shall be 30 Watts, above the low frequency cut-off of the projector horn.

Rated frequency response shall be _____ Hz (± 5 dB) measured on a plane wave tube at 1W/1M. Low frequency limit at full power shall be _____ Hz. Sound pressure level output capability shall be 113.6dB (avg.) 300Hz - 3.9kHz (± 5 dB) measured on a plane wave tube at 1W/1M.

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 $\frac{3}{8}$ "-18 thread pattern and a .707" throat.

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

Model PD-30 shall have a nominal impedance of 8 Ω . Unit PD-30T shall be equipped with a 70.7V transformer having power taps of 1.8, 3.7, 7.5, 15 and 30 Watts.

Impedance and power taps shall be clearly identified and referenced on the unit.

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-30 Impedance

