**TECHNICAL SPECIFICATIONS**

- **Models:** AP-30, AP-30T(C), AP-30T-25
- **Power Rating:** 30 Watts continuous
- **Frequency Response:** 300-12,000 Hz (nominal)
- **Sensitivity:** 126dB 30 Watts (peak)
- **Dispersion Angle:** 60° (-6dB, 2000 Hz octave band)
- **Weight:**
  - AP-30 = 4.5 lbs (2.0kgs)
  - AP-30T = 5 lbs (2.3kgs)
  - AP-30T-25 = 5 lbs (2.3kgs)
- **Finish:** Baked epoxy
- **Dimensions:** 10" W x 11" H x 10 1/2" D

**ARCHITECT AND ENGINEER SPECIFICATIONS**

Loudspeakers shall be Atlas Sound Model AP-30, AP-30T(C), AP-30T-25 or approved equal. Each loudspeaker shall be equipped with an integral compression driver within waterproof housing. The loudspeaker unit shall be constructed of structural aluminum with double re-entrant acoustic path and exponentially-flared outer bell. Power handling capability shall be 30 watts continuous. Frequency response range shall be 300-12,000 Hz (nominal), 500-4,500 Hz (+5dB). Sound pressure level shall be 126dB at rated power to provide clear voice and signal communication.

**APPLICATIONS**

All-purpose, environment resistant 30-Watt AP-30 Series loudspeakers provide cost effective high-intelligibility voice and signal transmission for high power indoor and outdoor public address, intercom, security, alarm, or industrial signal systems. Units incorporate high-efficiency compression drivers to project through high ambient sound levels, over long distances and in wide open areas with fewer loudspeakers. The AP-30 Series is renowned in the industry as the "professional standard" for applications such as commercial buildings, distribution centers, industrial warehouses, institutions, civic centers and recreational facilities.

**GENERAL DESCRIPTION**

The 8-ohm Model AP-30 and transformer-equipped Models AP-30T and AP-30T-25 are double re-entrant loudspeakers which deliver 30 watts of continuous power handling, superior intelligibility and unparalleled audio conversion-efficiency. The AP-30 Series operates within a nominal frequency range of 300-12,000 Hz and offers a sensitivity of 126dB at rated power to provide clear voice and signal communication.

Models AP-30T and AP-30T-25 each feature an integral transformer to meet a variety of distributed system needs. The AP-30T is equipped with a versatile, 3-way, 25, 70.7, 100V line transformer, while Model AP-30T-25 includes a 25V only line transformer. Transformers are adjustable using Atlas Sound’s exclusive Vari-Tap® Connect Center which features a 7-position, watts / impedance selection switch. The labor saving Vari-Tap terminal is screwdriver adjustable and includes a protective cover with built-in strain relief.

The trademarked square bell design signifies Atlas Sound quality and reliability. The Omni-Purpose mounting bracket (included on all models) allows precise positioning in the vertical and horizontal planes with a single adjustment and provides for installation of the loudspeaker on conventional surfaces or by strap-mounting to I-beams or pillars. AP Series loudspeakers are U.S. made to assure superior service reliability. Weather-resistant construction is metal and matching ABS plastic with metal components finished in grey epoxy (standard) or beige epoxy if suffixed with (C) where noted.

**FEATURES**

- Superior intelligibility for voice and tone signaling
- Wide frequency response for optimum sound quality
- Environment resistant for outdoor & indoor use
- Omni-purpose mounting bracket for precise positioning
- Choice of 8-ohm or transformer equipped models for versatile 25, 70.7, or 100V line applications
- U.S. Trademark design is world recognized for quality and dependability
- Available in grey or beige (C) finish where noted

**ACCESSORIES**

- BX-1A. Vandal Resistant Cover Plate for Armored Cable and Conduit Connection. Constructed of Cast Aluminum.
- APXB-G. Optional mounting base for a standard 1-gang
- APXB-N. 2-gang, or 4" sq. E.O. box. (G-Grey, N-Neutral)
**Specifications subject to change without notice**

**DRIVER PROTECTION:** The horn loudspeaker should not be operated at frequencies outside the specified range, especially below horn cut-off. It is suggested that any program material be high-passed at 300 Hz with a 6dB per octave filter. This can be done by a low level filter at the amplifier input or by a series capacitor at each loudspeaker (See Typical Capacitor Values Chart).

**TYPICAL CAPACITOR VALUES**

| Electrolytic capacitors can be used but they must be non-polarized |

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<tr>
<th>8 Ohm Driver</th>
<th>25 Volt Line</th>
<th>70 Volt Line</th>
<th>100 Volt Line</th>
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<table>
<thead>
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<th>2 Ohm Driver</th>
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<td>X*</td>
<td>X*</td>
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**AP-30T(C) Vari-Tap® Control AP-30T-25**

<table>
<thead>
<tr>
<th>Switch Position</th>
<th>Impedance (Ohms)</th>
<th>Watts @ 25V</th>
<th>Watts @ 70.7V</th>
<th>Watts @ 100V</th>
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<tr>
<td>1</td>
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<td>2</td>
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<td>7</td>
<td>45</td>
<td>X*</td>
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</table>

**Bell Dimensions**

- 10" Diameter
- 5-1/2" Diameter
- 10-1/2" Diameter

**Over-All Dimensions**

- 1-3/4" Diameter
- 1/2" Diameter
- 3 Holes 120° Apart, on 2.312 Bolt Circle
- 3/8" Diameter
- 1/4" Diameter
- 1/4" Banding Slot

**Atlas Sound products are designed and tested in our well-equipped research laboratory which contains a fully anechoic chamber, complete analog Bruel & Kjaer measurement equipment and Techron® TEF 20® audio analyzer. Atlas Sound is proud to be a beta site for TEF software.**