



Lubell LL-1424HP Underwater Acoustic Transducer

High-Power Broadband Piezoelectric Underwater
transducer for Military and Scientific Applications

SPECIFICATIONS

- **Frequency Range:** 200Hz - 9kHz
- **SPL:** 197dB/uPa/m @ 600Hz (80V rms applied at cable end)
- **Maximum Voltage:** 80 Vrms
- **Duty Cycle:** 100%/10A, 50%/14A
- **Impedance:** 8 ohms nominal (including AC1424HP xfmr box)
- **Depth Rating:** 6' - 40'
- **Dimensions:** 16.5" x 16.5" x 16.5"
- **Ducer/Cage Wt:** 61 lbs/air, 33 lbs/water
- **Finish:** 10-mil epoxy on MIL-C-5541 Class 1-A (transducer); 304SS cage
- **Connector:** Seacon [XSEE3BCR](#)
- **Cable:** Seacon [XSEE3CCP](#) molded to one end of 75 feet [14/3 SO cable](#) (15 lbs)
- **Data:** [Guide](#), [TVR](#), [SPL](#), [Z](#), [tabular](#)
- **Included:** [AC1424HP](#) bridging xfmr box
- **Price:** \$6925
- **Warranty:** 2 year limited
- **Amplifier:** [CDi2000](#) (USA) or CDi2000-E60 (EU) \$1373

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[Printable PDF brochure \(47KB\)](#)

[Complete instructions and test data \(3.16MB\)](#)

DESCRIPTION

The LL-1424HP is a piezoelectric underwater acoustic transducer designed for general purpose military and scientific applications. The LL-1424HP may also be used as an underwater speaker when high power is required. Because of the variation between sand castings and parts, the uniformity of response cannot be guaranteed.

The LL-1424HP has a useful frequency range of 200Hz-9kHz, a maximum SPL of 197dB/uPa/m @ 600Hz w/80V rms applied, and a nominal impedance of 8 ohms. The LL1424HP is provided with an AC1424HP bridging transformer box allowing connection to amplifiers up to 2500 watts at 4 ohms bridged mono.

The LL-1424HP is built to withstand ocean environments by virtue of its 10 mil epoxy finish and cage mounting system. The LL-1424HP is fitted with a Seacon bulkhead connector and includes a mating 75 foot Seacon cable.

