

HLE-1(T), HLE-2TC/ HLE-2C HLE-3C/ HLE-3TC/ HLE-3(T)

Connection To Amplifier

Exercise special care in removing the back cover of explosion-proof driver enclosure (Part 1) to avoid damaging machined surfaces. Prior to re-assembly, make certain that joining surfaces of enclosure are free of dirt. Tighten all cover bolts completely. To provide the specified protection in hazardous locations, please note that no compound of any type is to be applied on machined flange.

Installation Of Matching Transformer

Atlas Sound Model T-18, 60 Watt line matching transformer is listed by UL and C.S.A. for installation within the explosion-proof driver enclosure.

Primary Winding: 2000Ω, 1000Ω, 500Ω, 250Ω, 125Ω, 85Ω, & 45Ω

Secondary Winding: 4Ω, 8Ω, & 16Ω

Insertion loss: Less than ½dB at 1kHz

Termination: Solder Lugs

Shipping Weight: 1.5 lbs.

Within the explosion-proof housing, on the back side of the magnetic assembly of the drive unit, two holes are pre-drilled for fastening the T-18 line matching transformer with 8-32 screws. When used with the Atlas Sound HLE-Series speakers, the 16Ω secondary winding of the transformer should be connected to the voice coil leads of the driver. The following illustrates impedance taps and power selection for connection of the primary winding of the transformer to the output of the communications system amplifier.

Impedance Tap, Ohms	70.7V Line, Watts	25V Line, Watts
45Ω	—	15.0 Watts
85Ω	60.0 Watts	7.5 Watts
125Ω	40.0 Watts	5.0 Watts
250Ω	20.0 Watts	2.5 Watts
500Ω	10.0 Watts	—
1000Ω	5.0 Watts	—
2000Ω	2.5 Watts	—

NOTE: C.S.A. reference guide: 386-0-0.8 Class: 2268