



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 is 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: 2000/1000/500/250/125/85/ (45 Ohms)
 Secondary Winding: 4, 8 & 16 Ohms
 Insertion loss: Less than 1/2dB at 1 kHz
 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 16 Ohm 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 V. LINE, WATTS	25 V. LINE WATTS
45	—	15.0
85	60.0	7.5
125	40.0	5.0
250	20.0	2.5
500	10.0	—
1000	5.0	—
2000	2.5	—

NOTE:

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

Specifications are subject to change without notice

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