

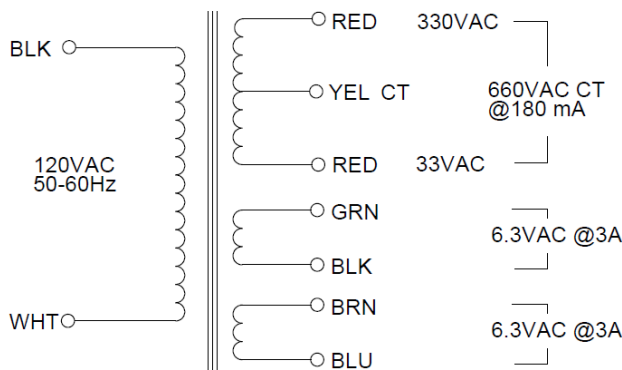
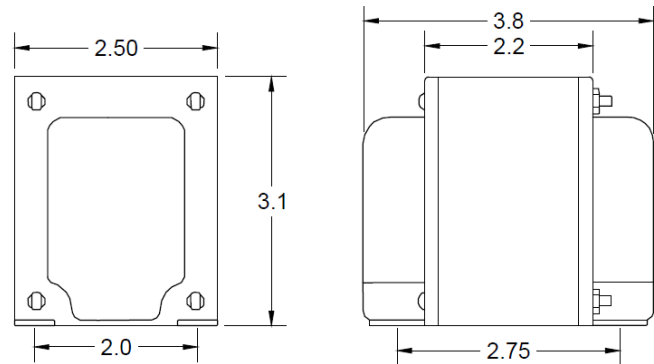


Antek Dynaco ST-35-Compatible Power Transformer

These traditional EI-type tube audio power transformers are designed for reliable performance in vintage and modern tube amplifier applications, including Dynaco ST-35-compatible designs. Featuring conventional laminated EI-core construction, they provide dependable power delivery and are well suited for amplifier replacement, restoration projects, and custom tube amplifier designs.

Manufactured with heavy-gauge copper windings, these transformers minimize copper losses and reduce voltage drop under full-load conditions. Each transformer undergoes dielectric strength testing at up to 3500VAC between the primary and secondary windings to ensure excellent electrical insulation and reliable operation.

Designed for standard 120VAC input at 50/60Hz, these transformers offer a practical and economical power supply solution for tube audio equipment. They are suitable for Dynaco ST-35-compatible amplifier projects and other custom tube amplifier applications.



Net Weight: 4.8LB

Open Circuit Test (core loss test):		Voltage input	Current input	P _{Power lost}
TEST CONDITION: Apply variable voltage to primary coils (in parallel). Set voltages 120 and 140VAC at 60Hz. No load on secondary coils. Measure the primary current and input power.		120V	.05A	1.1W
		140V	.10A	1.5W
Short Circuit Test (copper loss test):		Voltage input	Current rated	P _{Power lost}
TEST CONDITION: Short all secondary coils, and apply variable voltage to (parallel) primary coils. Varies the voltage from 0-20VAC at 60Hz and freeze the voltage at rated primary current.		11.6V	1.44A	16.5W
Load Test (operation test):		Voltage output	Current output	P _{Power output}
TEST CONDITION: Input 120VAC 60Hz to the primary coils (in parallel), Output measure from CT (black) to one of the Hv (red) for voltage and current at different load levels*.		342V	0.0A	0W
		321V	0.16A	54.3W
DC Resistant Test:		Primary	Hv	Lv
DC OHM METER: Test each coil from primary (blk-wht) and secondary (Hv red-red: & Lv: grn-blk)		3.2Ω	151Ω	0.13Ω

*Note: The values shown are not the maximum power rating of the transformer. They are test data used to determine the transformer's effective output impedance. The loaded output voltage can be estimated as $V_{out} = V_{no-load} - I \times Z$, where $Z = \Delta V / \Delta I$.