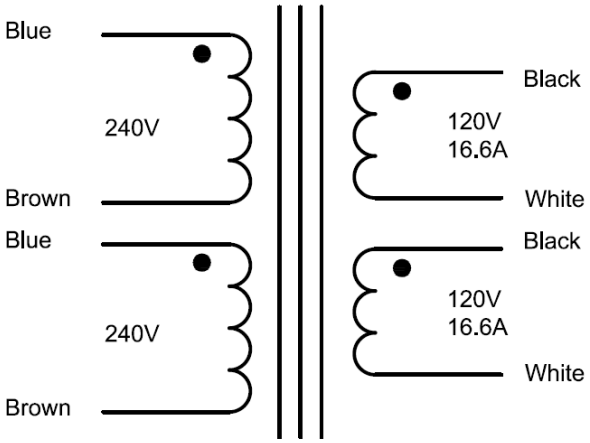
AnTek Inc.
www.antekinc.com

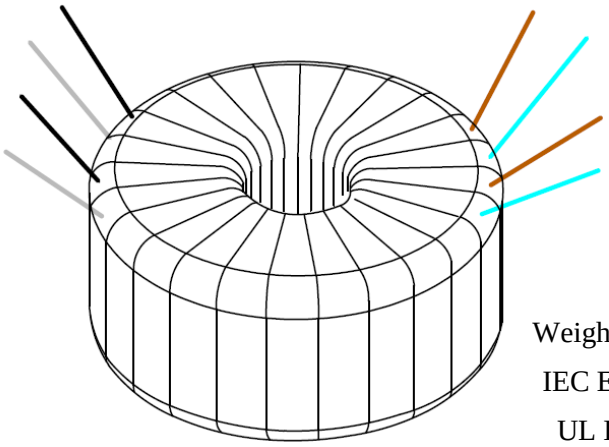
AU-40H480 480V Transformers

The 4000VA industrial toroidal power transformer offers higher efficiency than EI transformers, typically ranging up to 97%. Due to its effective containment of magnetic flux within the core, it significantly reduces interference with nearby components. Additionally, it generates a lot less mechanical humming and heat.

The AU series transformers are specifically designed to operate with standard 240V and 480V 60Hz power source. They feature heavier gauge copper wires than standard requirements to minimize wire loss at full power output. The dielectric leakage current test withstands up to 3500Vac between the primary and secondary coils.

This transformer includes two rubber pads, a holding disk, and a center bolt assembly.





D=9.8”
H=4.7”
Weight=58 LB
IEC EN61558
UL E497714

Open Circuit Test (core loss test): TEST CONDITION: Apply variable voltage to primary wires (0-240V tap). Set voltages 240 and 280VAC at 60Hz. No load on secondary coils. Measure the primary current and input power.	Voltage input	Current input	Power lost
	240V 280V	.08A .11A	15.5W 22.8W
Short Circuit Test (copper loss test): TEST CONDITION: Short all secondary coils, and apply variable voltage to (parallel) primary coils. Vary the voltage from 0-20VAC at 60Hz and freeze the voltage at rated primary current.	Voltage input	Current rated	Power lost
	9.37V	8.35A	78.2W
Load Test (operation test): TEST CONDITION: Apply 240VAC, 60Hz to the primary coils (0-240V). Connect Output 1 and Output 2 in parallel to the load. Measure the voltage and current at different load levels. The total internal impedance of the transformer can be determined as ΔV/ΔI.	Voltage output	Current output	Power output
	120.8V 120.6V	0.0A 2.4A	0W 289W
DC Resistant Test: DC Milli-Ohm Meter: Test primary (0-240V) and secondary coils (value for each coil).	Primary	Secondary	
	0.225 ohm	0.065 ohm	

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