



This high-performance wall-mounted toroidal step-up autotransformer is built for outstanding efficiency, reliability, and quiet operation. Housed in a durable, wall-mountable steel enclosure, it features a premium toroidal core that delivers up to 96% efficiency—well above the 85% typical of standard transformers. Its toroidal design ensures near-silent performance with minimal heat and no humming, making it ideal for noise-sensitive and space-limited applications like solar inverters, AC/heat pump systems, and compact installations.

As an autotransformer, it uses a single winding for both input and output, reducing size, weight, and cost while improving efficiency and voltage regulation. It's ideal for small voltage shifts or step-up conversions, such as motor starting, international voltage adaptation, and powering industrial equipment. However, autotransformers do not provide electrical isolation, which may be a concern in certain safety-sensitive applications.

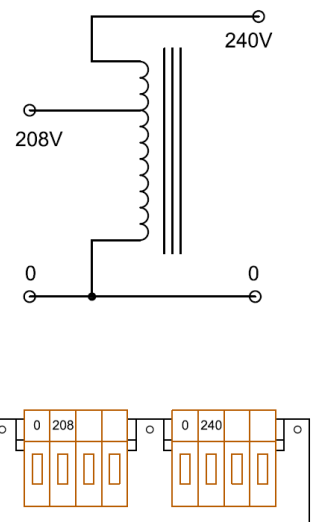
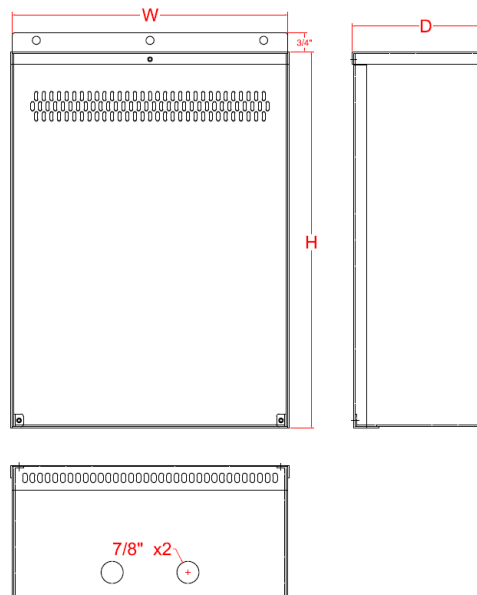
With low electromagnetic interference (EMI) and high power density, this transformer is well-suited for audio systems, medical devices, lab equipment, and sensitive electronics. It's also commonly used to convert 208V to 240V in HVAC systems, lighting, and imported machinery. For easy wiring, the bottom panel includes two pre-cut 1/2" conduit knockouts.

The enclosure is made from 16-gauge steel with a tough gray powder-coated finish, and the internal tray is 14-gauge steel for added strength. For full electrical specs and available models, please refer to the technical data sheet.

Need something custom? Contact us - we can tailor a solution to fit your specific voltage or application needs.

Toroidal Step-Up Autotransformer – Features

- **High Efficiency:** Up to 98%, outperforming standard 85% units
- **Quiet Operation:** Toroidal core minimizes heat and eliminates humming
- **Compact & Cost-Effective:** Single-winding design reduces size and cost
- **Ideal For:** HVAC (208V to 240V), solar, motors, audio, lab, and imported equipment
- **Low EMI:** Safe for sensitive electronics
- **Durable Build:** 16-gauge steel enclosure with powder-coated finish
- **Easy Install:** Two 1/2" conduit knockouts on bottom panel
- **Safety Standard:** IEC EN61558 & UL E497714 on transformers
- **Note:** No electrical isolation (autotransformer design)
- **Custom Options:** Available upon request



Please note: the autotransformer is not electrically isolated, as the input and output share the same winding.

Model	Power Rating	Input		Output		Idle Power Watt	Efficiency %	Dimension W x H x D	Transformer Included	Weight net
		V	I _{max}	V	I _{max}					
WM-3U208	3KVA	208V	14A	240V	12A	5	95	7.4x10.5x4.4	AU-5434	17LB
WM-4U208	4KVA	208V	19A	240V	16A	7	96	7.4x10.5x4.4	AN-6434	20LB
WM-5U208	5KVA	208V	24A	240V	20A	7	96	7.4x10.5x4.4	AU-7434	23LB
WM-7U208	7KVA	208V	33A	240V	29A	8	97	7.4x10.5x4.4	AU-10434	27LB
WM-9U208	9KVA	208V	43A	240V	38A	8	97	9.0x13.5x4.4	AU-13434	32LB
WM-13U208	13KVA	208V	62A	240V	54A	10	97	9.0x13.6x4.4	AU-20B37	42LB
WM-25U208	25KVA	208V	120A	240V	104A	16	98	10.9x14.9x5.3	AU-40B37	68LB