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WM Stepdown 480V-240V Auto-Transformers



Industrial Wall-Mounted Toroidal Power Converter

This high-performance industrial power converter is designed for efficient, reliable, and quiet voltage conversion. Housed in a rugged steel enclosure, it features a premium toroidal core delivering up to 96% efficiency, significantly higher than conventional transformers. Its toroidal design minimizes heat generation, magnetic leakage, and operating noise.

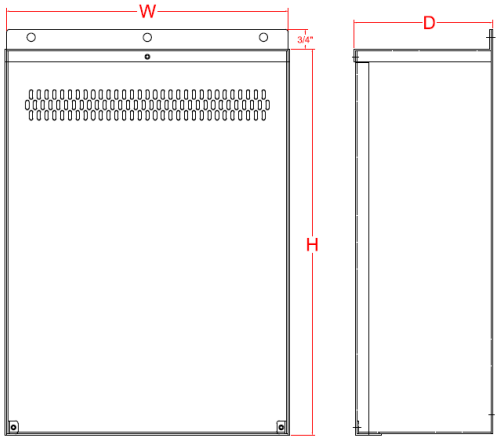
Built as an autotransformer, it uses a single winding for both input and output, resulting in a compact, lightweight, and cost-effective design with excellent efficiency and voltage regulation. It is ideal for industrial step-down applications, including 480V to 240V conversion, motor starting, HVAC systems, heat pumps, solar inverters, lighting, and imported industrial machinery.

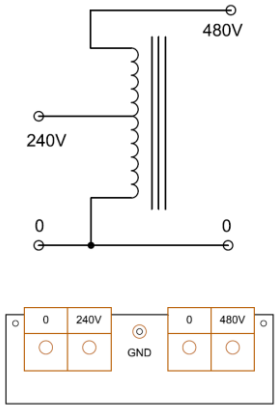
With low electromagnetic interference (EMI) and high power density, it is also suitable for audio equipment, laboratory instruments, and sensitive electronics.

The enclosure is constructed from heavy-duty 16-gauge steel with a durable gray powder-coated finish. An internal 14-gauge steel mounting tray provides additional strength. Two pre-cut 1/2-inch conduit knockouts on the bottom panel allow convenient wiring and installation.

Features

- **High Efficiency:** Up to 96%, 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 (480V 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 ½" 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	Imax	V	Imax					
WM-1D480	1KVA	480V	2A	240V	4.1A	5	95	7.4x10.5x4.4	AU-5H480	17LB
WM-2D480	2KVA	480V	4A	240V	8.2A	7	96	7.4x10.5x4.4	AU-10H480	27LB
WM-4D480	4KVA	480V	8.3A	240V	16.6A	8	96	9.0x13.6x4.4	AU-20H480	42LB
WM-8D480	8KVA	480V	16.6A	240V	33.3A	10	97	10.9x14.9x5.3	AU-40H480	68LB
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