



## Features

Hi efficiency

Better regulation

Least Leakage flux

Absence of external  
Magnetic field

Less Magnetising current

No humming noise

Low temperature rise

CRGO silicon steel core

Efficient cooling

Light in weight

Compact size

Easy mounting

**U**RVI, is one of the leading manufacturers of quality toroidal transformers. Since its inception in 1996, within the span of few years the company has set its own standards in toroidal transformers manufacturing in INDIA. The list of its customers reveals the fact. In its ISO 9001-2000 certified state of the art plant set in Wardha (M.S.), INDIA, the company manufactures wide range (5 VA to 10000VA) of toroidal transformers. The company acquired World's best toroidal transformer manufacturing technology. The high speed German winding machines are used for production, which make it possible to manufacture toroidal transformers at practically the similar prices as conventional laminated transformers with all toroidal benefits. With its stringent quality control the company assures quality of its transformers confirming to all International standards such as UL, CSA, IE, IS, etc.



# URVI

## TOROIDAL TRANSFORMERS

Save Energy, Serve Nation...

## Advantages of toroidal transformer:

- ▶ High Electrical Efficiency: The gapless continuous CRGO core and symmetrically distributed winding enhances efficiency of toroidal transformers. The typical efficiency is @ 95%. Saves 30% power on load condition and 80% power on no load condition compared to conventional laminated EI transformers
- ▶ Small in size and lighter in weight: Reduces overall weight of the appliance/equipment considerably. Typically 50 to 60% smaller compared to conventional laminated EI transformers.
- ▶ Low stray magnetic fields: Suitable for medical equipment, CRTs, Audio amplifiers etc.
- ▶ No humming sound: the renowned 'hum' of the transformer is practically eliminated to negligible level. Excellent for audio applications.
- ▶ Low operating Temperature.
- ▶ Easy to mount: A single central bolt with metal cup and a neoprene sheet is sufficient for mounting in any position vertical or horizontal.

## Design Philosophy

- ▶ **Quotations:** Urvi works hand in hand with customers for finalizing the specifications and the quotations.
- ▶ **Prototype:** Prototype is shipped within 48 hours for testing and evaluation. We insist on field testing on full load along with bench tests.
- ▶ **Approvals:** All transformers are manufactured as per international standards such as UL, CE, IEC, VDN, IS etc. Also we work very closely with our customers for getting required approval of the international agencies.
- ▶ **Manufacturing:** At our ISO 9001-2000 certified facility in Wardha (India) we are having World's best German toroidal winding machines. Our trained operators consistently produce quality toroidal transformers.
- ▶ **Raw Material:** M4 and above grade CRGO continuous wound core is used to give the best performance. High temperature F class modified polyester copper wire manufactured by UL registered manufacturers is used for winding. Polyester tape and hook up wires are procured from UL approved manufacturers.
- ▶ **Testing and Quality control:** All transformers are 100% tested using calibrated equipment, and trained test personnel.
- ▶ **Services:** Urvi is constantly in touch with its customers right from the day first. Urvi is always ready for any assistance regarding transformers and other product services. We are committed to complete satisfaction of our customers.



## Products

### Custom Made Transformers

Power VA	Primary	Secondary		Approx. size and weight		
		No load Voltage	Load current	OD mm	Ht mm	Wt kg
15	Options as under	Customer specified		65	28	0.35
30			75	28	0.45	
50			75	49	0.65	
80			85	40	0.90	
100			90	50	1.10	
120			95	50	1.20	
160			105	50	1.50	
225			120	50	2.00	
300			125	65	2.70	
400			140	65	3.50	
500			135	75	4.00	
625			150	65	4.50	
750			155	65	5.00	
1000			165	75	7.50	
1500			185	80	11.0	

Primary options:

**Single Primary:**

0-110 VAC 60Hz, 0-115 VAC 60 Hz

0-220 VAC 50/60 Hz, 0-230 VAC 50/60 Hz

0-240 VAC 50/60 Hz, 0-415 VAC 50/60 Hz

**Dual Primary**

0-110-220 VAC 50/60 Hz

0-115-230 VAC 50/60 Hz

0-120-240 VAC 50/60 Hz

### Commercial/ Medical Isolation Transformers

Input Voltage	Frequency (Hz)	Power VA	Sec. Current	Output Voltage	OD mm	Ht mm	Wt kg
115/230	60/50	50	0.22 x 2	230/115	85	40	0.80
115/230	60/50	80	0.35 x 2	230/115	95	40	1.00
115/230	60/50	120	0.52 x 2	230/115	100	50	1.20
115/230	60/50	160	0.70 x 2	230/115	110	50	1.60
115/230	60/50	300	1.30 x 2	230/115	125	60	3.00
115/230	60/50	500	2.17 x 2	230/115	140	75	4.50
115/230	60/50	750	3.26 x 2	230/115	160	65	6.70
115/230	60/50	1000	4.35 x 2	230/115	170	80	8.30
115/230	60/50	1500	6.52 x 2	230/115	190	90	12.0

Medical isolation transformers are shielded with 5 mil copper foil and thermally protected.

### Autotransformers

Part Number	Power VA	Input Voltage	Output voltage	Size and weight		
				OD mm	HT mm	WT kg
UA0060	60	230	115	70	30	0.45
UA0100	100	230	115	80	40	0.8
UA0160	160	230	115	90	40	1.1
UA0225	225	230	115	95	40	1.5
UA0300	300	230	115	110	40	1.8
UA0450	450	230	115	110	50	2.5
UA0600	600	230	115	115	55	3.2
UA0800	800	230	115	130	60	4.2
UA1000	1000	230	115	140	65	5.3



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ISO 9001:2000