

CGPT-VARIAC

Single phase / Three phase Auto Transformer

CGPT

Introduction:

Variac is continuously variable voltage auto-transformer. It is the most effective device for stepless, breakless & continuous control of AC voltage & therefore for various parameters, dependent on AC voltage.

The basic Variac is meant for operation from a nominal input voltage of 230V 1ph AC & can give output voltage anywhere between 0 to 240V or 0 to 270V AC by simple transformer action. Three such Dimmerstats connected electrically in star and mechanically in tandem, become suitable for operation from a nominal input voltage of 415V 3Ph AC and can give output anywhere between 0 to 470V.



Application

- AC Voltage Stabilizers, Rectifiers, Battery Chargers.
- Temperature control of Ovens, Furnaces.
- Testing of Instruments, Relays, Circuit Breakers etc.
- Welding, Electro-plating, Anodizing etc.
- Colleges & Universities.

Features :

- Simple rugged construction
- Coil made from high grade CRGO Silicon Steel & 99% pure copper
- Output voltage variation is smooth, continuous & break less
- Negligible waveform & Pf Distortion
- Remote operation possible by motorization
- High efficiency
- Excellent short time overload capacity
- Wide range of current ratings
- High quality carbon brush used for current collection.

Specifications

OPERATING VOLTAGE

- For Single Phase : 230V AC, 50-60 Hz. 1- ph.
For Three Phase : 415V AC, 50 -60 Hz., 3 - ph - 4wire.

CURRENT RATINGS

- For Oil Cooled models, maximum current & continuous current are one & the same.
- For Air Cooled models, the ratings are as shown below.
- Output Current Rating : 0.7, 2, 4, 8, 10, 15, 20, 28, 40, 75, 100, 125, 200, 400
- Operating Temp. : 0° - 45°C.
- Insulation Resistance : Not less than 5 Mohms at 500V DC.
- Cooling type : Air / Oil cooled as per current rating.
- Dielectric Test : 2.5kV RMS for 1 minute.
- Storage Temp. : -9°C to 70°C
- Humidity : Up to 95% RH



Note

The instrument is accompanied with Test & calibration sheet. 2. Test facility can be provided at the factory with available test setup. 3. To keep pace with the latest technology CG Power Technology reserves the right to update its system. Hence, information in the catalogue is likely to change without notice. 4. Accuracy specified for temperature range of 28°C ± 3°C & 55% RH ± 10%

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