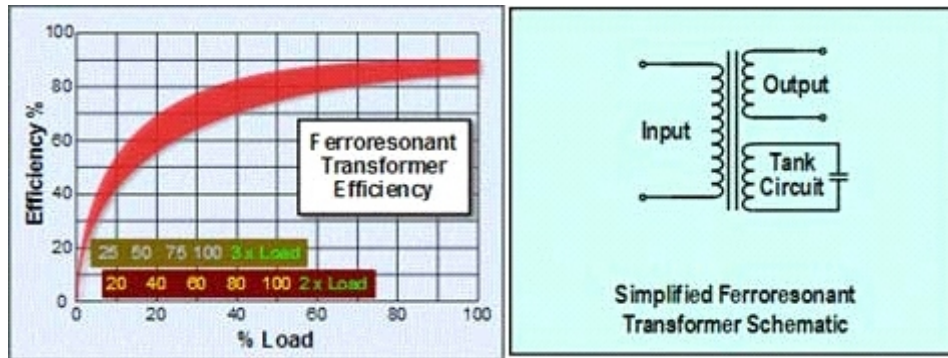
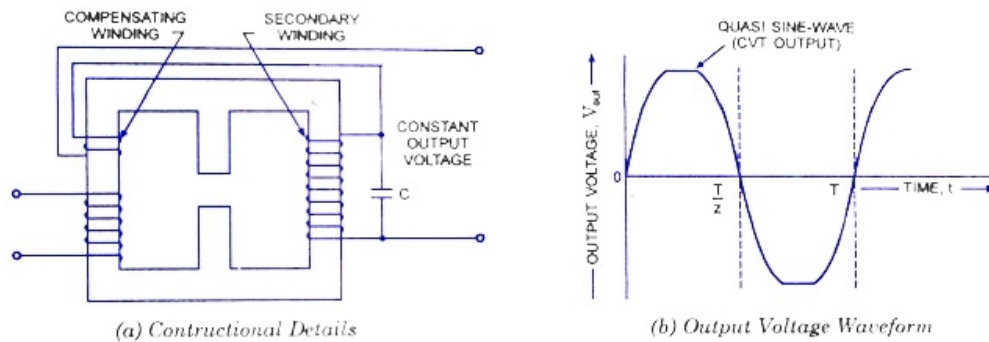


SHEPHERD UHI CVT. (CONSTANT VOLTAGE TRANSFORMERS).



Applications :

Medical Equipment requiring separation from the mains supply and Isolated Power Systems (IPS) Industrial PLCs and process control applications Weighbridges Grid link applications and Rail signalling and critical systems Sensitive Electronic test systems.



TECHNICAL SPECIFICATIONS OF SHEPHERD CONSTANT VOLTAGE TRANSFORMER (UHI-CVT)

- A. Capacity Range** : 150VA to 7.5KVA
(150 Watt to 7.5KW at Unity Power Factor Load)
- B. Input Specifications**
- In put Voltage** : 80 to 140V OR 180 to 270V, OR 160 to 275V
- Output Frequency** : 50 Hz \pm 2.5 Hz.
- C. Output Specifications**
- Output Voltage** : 110V, 120V, 130V OR 220-230-240V
- Voltage Regulation** : \pm 2% at rated load against specified I/P voltage.
- Load Regulation** : 1.5% against variation of load from 25% to 100% at 110V OR 230V
- Wave Form** : Sine Wave
- Total Harmonic Distortion** : Within 3.5% at rated load at rated Input
- Response Time** : 30Milli seconds
- Watt efficiency** : > 92%
- **Galvanic Isolation from mains** : Ultra High Isolation (UHI)
- **Output Voltage change against variation in input frequency** : Only 1.3% against 1% change in input Frequency.
- **Energy Storage** : 3Milli Seconds
- **Short Circuit Protection** : Inherently protected against overload & O/P short circuiting.
- O/P Neutral Voltage** : Maintained at zero floating O/P can be provided at request.
- D. General**
- Ambient Temperature** : Up to 55 Degree Celsius at 95% RH.
- Insulation Class** : Class "F"
- High Voltage/insulation test** : 3KV AC applied for 1 minute
- Insulation Resistance** : More than 100Mega ohms at 500V DC
- Audible Noise** : 30db to 65db proportionate to the unit capacity.

