would be applied to the load on the secondary. This ~~may~~ high voltage may burnout or seriously damage the equipment connected the secondary side.

2. The effective per unit impedence of an autotransformer is smaller as compare to a two winding transformer. The reduced internal ~~resistance~~ impedence result in a large short ckt (fault) current

3. In an autotransformer, there is a loss of isolation between input and output circuits.

APPLICATIONS OF AUTOTRANSFORMER

1- Autotransformer are used for starting Induction motor and synchronous motors.

2- It is used for interconnection of power system of different voltage level example 132 KVA, and 230 KVA

3- It is used to obtain variable A.C. in laboratories

Volt-Ampear relation :-

1- Autotransformer has two types of volt ampears- namely - ① The transformed volt ampear (due to Induction)

② Conducted volt-ampear - (due to direct electrical connections -)