

4.1.1 Advantages of 3 Phase Transformers

Some of the advantages of a single three phase transformer are as follows :

1. A three phase transformer occupies less space for same rating, compared to a bank of three single phase transformers.
 2. It weighs less.
 3. Its cost is less.
 4. Only one unit is required to be handled which makes it easy for the operator.
 5. It can be transported easily.
 6. The core will be of smaller size and the material required for the core is less.
 7. Single three phase unit is more efficient.
 8. In case of three single phase units, six terminals are required to be brought out while in case of one three phase unit, only three terminals are required to be brought out.
 9. The overall busbar structure, switchgear and installation of single three phase unit is simpler.
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