

- + Air cooled transformer made up of CRGO grade laminated core of silicon stamping used.
- + Copper wound coils with suitable tapings on both primary and secondary side are provided.
- + Insulated terminals for both primary and secondary with duly marked for studying different connection combinations.
- + Vacuum pressure impregnation for primary and secondary coils ensuring high insulation strength.
- + It is housed in MS powder coated box rust proof

Available Ratings :

1KVA/ 2KVA/ 3KVA/5KVA with voltage ratio 230/115v or 230/230v or as per requirement

Types:

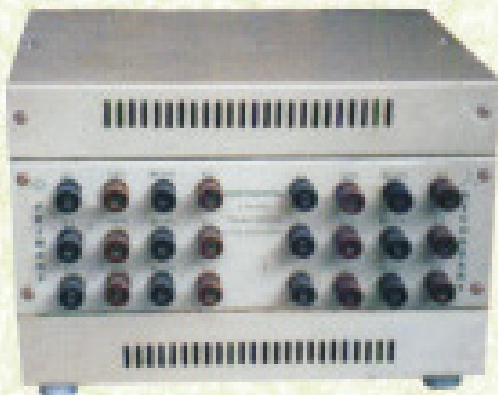
Core Type / Shell Type

This special type of air cooled transformer can be used for following experiments:-

- + To find turns ratio and polarity of a single phase transformer.
- + To study open circuit and short circuit test of a single phase transformer.
- + To perform sumpter's back to back test on single phase transformer.
- + Parallel operation of two single phase transformers.
- + To find the efficiency and voltage regulation of a single phase transformer by direct loading.
- + To study the scott connection on two single phase transformer.



1 ph Air cooled Transformer



3 ph Air cooled Transformer

- + Air cooled / Oil cooled transformer made up of CRGO grade laminated core of silicon steel used.
- + Copper wound coils with suitable tapings on both primary and secondary side are provided as per requirement.
- + Insulated terminals for both primary and secondary with duly marked.
- + Vacuum pressure impregnation for primary and secondary coils ensuring high insulation strength.
- + It is housed in MS powder box for rust proof.
- + Proper fans are provided in oil cooled type for cooling of transformer.
- + Provision of inlet and outlet with stop-cocks.

Available Ratings :

1KVA/ 2KVA/ 3KVA/5KVA upto 5kva with voltage ratio 415/415v or 415/215v or as per requirements.

This special type of air cooled / oil cooled transformer can be used for following experiments :-

- + To perform Sumpter's back to back test on a 3 ϕ transformer & find its efficiency and parameters for its equivalent circuit.
- + To perform OC & SC test on a 3-phase transformer & find its efficiency and parameters of its equivalent circuit.
- + To study the performance of 3-phase transformer for its various connections, i.e. star-star /star-delta/ delta-star and delta-delta and find the magnitude of 3rd harmonic current.



1 ph Oil cooled Transformer