WORKING FORMULAE:

I=V/R

L=X1/2πf

PROCEDURE:

THREE AMMETER METHOD:

* Make the connection as per the circuit diagram.
* Initially the variac should be minimum output position and adjusted the rheostat at 100 ohm.
* By slowly varying the Auto Transfermer the voltmeter V3 is adjusted to rated output voltage of choke.
* Note down the corresponding readings of V1 & V2.

THREE VOLTMETER METHOD:

* Make the connection as per the circuit diagram.
* Initially the variac should be minimum output position and adjusted the rheostat at 100 ohm.
* By slowly varying the Auto Transfermer the Ammeter A3 is adjusted till the rated current is reached.
* Note down the corresponding readings of A1 & A2.