

SL No.	Technical Particulars	Data Specification							
01	Design Standard	ANSI C57.12.00. C57.12.20 & C57.12.90 (Revision from 2010 to the latest revision)							
02	Type	Single-Phase wound core							
03	Winding Material	High conductivity Copper							
04	Core Material	Cold Rolled Grain Oriented Silicon Strip Steel (CRGO)							
05	Nominal Voltage	HT=6350 V							
		LT=240 V							
06	Basic Insulation Level (BIL)	HT Winding= 95 KV							
		LT Winding= 30 KV or as per latest ANSI requirement							
07	(a) % impedance at rated KVA (For 5 KVA to 167 KVA)	2.5% (with + 10% Tolerance)							
	(a) % impedance at rated KVA (b) (For 55 KVA to 167 KVA)	3% (with + 10% Tolerance)							
08	Polarity	Additive							
09	Cooling Method	Class- OA (Self Cooled)							
10	Temperature Rise								
	(a) Winding	Shall not exceed 65 C (Resistance method)							
	(b) Insulating Liquid	Shall not exceed 65 C							
11	Bushing								
	1. Type & Material	Outdoor Type, Porcelain							
	2. Connectors	Bolted ring type							
	3. Quality	HT = 1, LT=2							
	4. Mounting Positions	HT-on the tank cover							
		LT-on the tank side							
12	Tank	Tank							
	(a) Desing	Sealed Type complete with cover & gasket							
	(b) Grd. Provision	With bolted ring type connector							
	(c) LV grd. Provision	With removable Cu strap							
	(d) Lifting Facilities	Facilities for lifting the core & coil							
	e. Support lug	Shall have support lugs							
	f. Pressure Released Device	Self-sealing pressure release device							
	g. Painting	Light gray							
13	Insulating Oil	New, unused, mineral, oil as per ANSI/ASTM D3487-79							
14	Losses	KVA							
		5	10	15	25	37.5	50	75	100
	(a) No Load in Watt (Max)	19	25	35	46	65	75	115	140
	(b) Full Load Loss in Watt (Max)	120	190	250	380	480	600	860	1120