

## SPECIFICATION OF SINGLE PHASE DISTRIBUTION TRANSFORMERS

1.	Design Standard	:	ANSI C57.12.00 & C57.12.20
2.	Type	:	Single-phase wound core
3.	Winding material	:	High conductivity Cu
4.	Core type and material	:	Wound Core, CRGO Silicon Steel
5.	Nominal voltage	:	HT = 6350 V LT = 240 V
6.	BIL :		HT Winding = 95 KV LT Winding = 30 KV
7.	Max. % Impedance at rated KVA	:	2.5 % (max)
8.	Polarity	:	Additive
9.	Cooling Method	:	Class – OA (Self-cooled)
	a. Winding	:	Shall not exceed 65°C (resistance method)
	b. Insulating Liquid	:	Shall not exceed 65°C
10.	Bushing		
	a. Type & Material	:	Outdoor type, Porcelain
	b. Connectors	:	Bolted ring type
	c. Quantity	:	HT = 1, LT = 2
	d. Mounting Position	:	HT - on the tank cover, LT - on the tank side
11.	Tank		
	a. Design	:	Sealed type complete with cover & gasket
	b. Ground Provision	:	With bolted ring type connector
	c. LV ground Provision	:	With removable Cu Strap
	d. Lifting facilities	:	Facilities for lifting the core & coil
	e. Support lug	:	Shall have support lugs
	f. Pressure relief device	:	Self sealing pressure relief device
	g. Painting	:	Light Gray, ANSI Color # 70
12.	Insulating Oil	:	New, unused, mineral oil as per ASTM standard

## DIFFERENT PARAMETER OF SINGLE PHASE DISTRIBUTION TRANSFORMERS

Rated primary voltage – 6.35 KV, Rated Secondary voltage – 0.240 KV, Rated Frequency – 50 HZ

Rating (KVA)	Rated Voltage (V)		Frequency (Hz)	Impedance (Max)%	F/L Current (Amp)		Dimension		Weight (kg)		No Load Loss (W)	Full Load Loss (W)
	High	Low			High	Low	Diameter	Height	Total	Oil		
5.0	6350	240	50	2.50	0.787	20.83	310	560	76	17	23	108
10.0	6350	240	50	2.50	1.575	41.67	340	610	100	20	30	200
15.0	6350	240	50	2.50	2.362	62.50	405	660	130	29	39	265
25.0	6350	240	50	2.50	3.937	104.17	405	715	165	36	52	375
37.5	6350	240	50	2.50	5.906	156.25	515	915	255	69	71.5	525
50.0	6350	240	50	2.50	7.874	208.33	515	915	300	70	80	575
75.0	6350	240	50	2.50	11.811	312.50	559	965	450	116.5	140	758
100.0	6350	240	50	2.50	15.748	416.67	610	1016	525	148	160	1049

The technical details & product characteristics described correspond to the state at the time of printing & can be subject to modification