



Gew Trafotech Pvt. Ltd.

A-49, Ground Floor, Nirman Vihar, Delhi 110092
C35,36 UPSIDC Industrial Area Naini, Allahabad 211006

GTP of 500 KVA 11000/433V transformer

SI.NO.	DESCRIPTION	
1	NAME OF THE MANUFACTURER	Gew Trafotech Pvt. Ltd.
2	SERVICE	OUT-DOOR
3	KVA RATING	
	HV	500 COPPER
	LV	500 COPPER
4	RATED VOLTAGE	
	HV	11000 V
	LV	433 V
5	RATED FREQUENCY	50 Hz
6	CONNECTIONS	
	HV	DELTA
	LV	STAR
7	NO. OF PHASES	3
8	CONNECTION SYMBOL	Dyn11
9	TAPPINGS - TYPE	OFF - CIRCUIT
	RANGE	+5% To -5% @ 2.5%
	NO. OF STEPS / TAPS	5/6
	VARIATION ON	HV WINDING
10	MAX REF. AMBIENT TEMP. IN DEG C	50 °C
11	TYPE OF COOLING	ONAN
12	TEMPERATURE RISE	
	TOP OIL	50 °C
	WINDING	55 °C
13	TOTAL LOSS IN Watts @ RATED VOLTAGE AT NORMAL TAP (Tolerance applicable)	9600
	COMPONENT LOSSES IN Watts	
14	NO LOAD LOSS @ RATED VOLTAGE	1100
	LOAD LOSS @ RATED CURRENT	8500
	% IMPEDANCE @ NORMAL TAP	4.5
16	REACTANCE @ RATED VOLTAGE	4.17 %
17	NO LOAD CURRENT @ RATED VOLTAGE	≤3%

18	INSULATION LEVEL	
	P.F. TEST VOLTAGE – HV	28 KV
	P.F. TEST VOLTAGE – LV	3 KV
19	INDUCED OVER VOLTAGE IN kV	
	HV	22 KV
	LV	0.866 KV
20	IMPULSE WITHSTAND IN kV PEAK	
	FULL WAVE HV	75
21	EFFICIENCY: @ UPF -- %	
	@ FULL LOAD:	98.12
	@ 0.75 FULL LOAD:	98.46
	@ 0.50 FULL LOAD:	98.73
22	REGULATION @ FULL LOAD	
	@ UPF --- %	1.79
	@ 0.8 P F Lag	3.89
23	RADIATORS/ FINS MOUNTED ON TANK	YES
24	NO. OF RADIATORS	800 X 520 X 11 - 4 Nos
25	TERMINAL ARRANGEMENT	
	HV	Open Bushings
	LV	Open Bushings
26	APPROXIMATE MASS IN kg	
	CORE & WINDING	520
	TANK FITTINGS & ACC.	640
	OIL	190
	TOTAL	1350
27	APPROXIMATE TANK DIMENSIONS :	
	LENGTH mm	920
	BREADTH mm	370
	HEIGHT mm	940
28	UNTANKING HEIGHT :	1880
29	REFERENCE STANDARDS :	
	a) TRANSFORMERS :	IS – 2026
	b) OIL :	IS – 335
	c) BUSHING :	IS – 2099 / 3347 / 8603
	d) LOADING :	IS – 6600