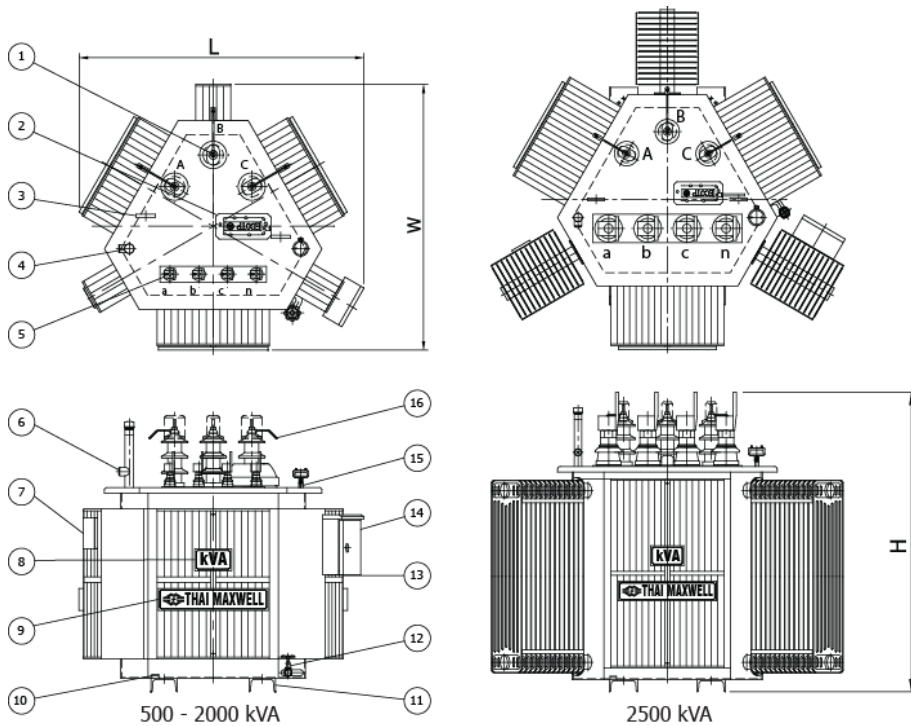


TECHNICAL DATA OF 3D AUTOMATIC VOLTAGE REGULATING TRANSFORMER (AVR)



NO.	DESCRIPTION
1	HV BUSHING WITH INSULATION CAP
2	ON-LOAD TAP CHANGER
3	LIFTING EYES FOR UNTANKING/TANKING ASSEMBLY
4	PRESSURE RELIEF VALVE
5	LV BUSHING
6	OIL LEVEL GAUGE
7	NAME PLATE
8	CAPACITY PLATE
9	TRADE MARK WITH COMPANY PLATE
10	EARTH TERMINAL
11	FOUNDATION
12	OIL DRAIN VALVE WITH PLUG
13	CORRUGATED AND RADIATOR FIN
14	TERMINAL BOX
15	STICK TYPE OIL THERMOMETER WITH CONTACTS
16	ARCING HORN

Rated primary voltage : 22kV

CAPACITY	NO-LOAD LOSSES	LOAD LOSSES AT 75 °C	TOTAL LOSSES AT 75 °C	IMPEDANCE AT 75 °C	EFFICIENCY (P.F.=1)		VOLTAGE REGULATION AT FULL LOAD (P.F.=1)	NOISE LEVEL dB (A) : 0.3 m	OUTLINE DIMENSION Approx.(mm.)			OIL QTY.	TOTAL WEIGHT Approx.
					1/2 Load (%)	Full Load (%)			W	L	H		
(kVA)	(Watt)	(Watt)	(Watt)	(%)			(%)					(lt)	(kg)
500	1050	5300	6350	4.0	99.06	98.75	1.13	56	1425	1590	1600	725	1835
630	1200	6300	7500	4.0	99.13	98.82	1.08	57	1485	1645	1650	755	2065
800	1250	9500	10750	6.0	99.10	98.67	1.36	58	1545	1695	1650	775	2420
1000	1500	11500	13000	6.0	99.13	98.72	1.32	58	1605	1750	1630	765	2750
1250	1650	13000	14650	6.0	99.22	98.84	1.21	60	1830	1940	1475	860	3105
1500	2050	15000	17050	6.0	99.23	98.88	1.18	60	1830	1940	1475	830	3420
1600	2350	19000	21350	6.0	99.12	98.68	1.36	61	1820	1930	1570	835	3345
2000	2600	20000	22600	6.0	99.25	98.88	1.18	61	1975	2070	1690	1040	4125
2500	3000	25500	28500	7.0	99.26	98.87	1.26	62	1980	2270	1795	1190	5065

Note :

- The transformer is designed to operate under the following conditions
 - Altitude : Up to 1000 m above sea level
 - Ambient air temperature : 40 °C maximum
- Limits of temperature rise
 - (top oil) : not exceeding 60 °C
 - (winding) : not exceeding 65 °C
- Insulation class : A(105 °C)
- Tapping voltage (on-load) : $\pm 4 \times 1.25 \%$
- Connection symbol : Dyn 11
- Reference standard : IEC 60076
- Special vector group and other primary voltage available upon request

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