Asia General Transformer Co., Ltd.

Key To Smart Power

POWER TRANSFORMER AND DISTRIBUTION TRANSFORMER

Asia General Transformer Co., Ltd. ISO 14001 SGS UKAS MANAGEMENT SYSTEMS 0005
Certificate No: TH15/8952

Asia General Transformer Co., Ltd. ISO 9001 SGS UKAS MANAGEMENT SYSTEMS 0005
Certificate No: TH10/4921

KERI DEKRA tecnalia

2017 EDITION

Rev 02

Achievement Highlights

World class Quality Management System:

Accredited by KERI : We have passed at the first attempt, type test including short circuit test at the world well - known laboratory - Korea Electrotechnology Research Institute (KERI).

- 315kVA, 11/0.4kV Transformer
- 1,000kVA, 33/0.4kV Transformer

Accredited by DEKRA : We have successfully passed Type Test from DEKRA, Netherlands for

- 30 MVA, 66/11 kV.
- **100 MVA, 230/66/11 kV**

Accredited by Tecnalia : We have passed the cast-resin Dry Type Transformer, type test at international testing laboratory in Spain-Tecnalia.

- 2500/3500 kVA , 33/11 kV.

During type tests, our transformers underwent extreme stresses such as short circuit tests which our transformers successfully passed without any failure.

KERI is a full member of Short-Circuit Testing Liaison (STL) and recognised by the members of International Accreditation Cooperation (ILAC) which means the reports issued by KERI are recognised by member countries including U.S, Japan, Germany and the U.K.

Achievement Highlights

International Recognition:

We were awarded ASEAN OUTSTANDING ENGINEERING ACHIEVEMENT AWARD at the 33rd Conference of ASEAN Federation of Engineering Organizations(CAFEO-33), at Hotel Equatorial Penang, in Malaysia

Forged new strategic partnerships

To expand market presence and lower risks, including Technical agreements with:

Mitsubishi Electric Japan for 100MVA, 230kV transformer and 11kV switchgear,

Technical Transfer Agreement

With ABB (Switzerland) for Medium Voltage Switchgear and License Agreement for Low Voltage switchgear.

-Awarded ISO 9001:2008
Since 2010 for our commitment to world-class quality control and utmost safety of our products.

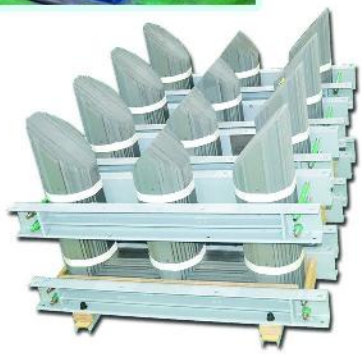
-Awarded ISO 14001:2004
Since 2015 for our commitment to environmental protection, management and sustainability.

-Awarded ISO 9001:2015
Since 2017 ensure not only customer reliable but also customer satisfaction in market place.
As our AG companies has follow and apply our electrical panel, quality and production system

STRUCTURAL FEATURES OF TRANSFORMERS

The Core

High quality electrical steel sheet, most modern core design and optimized lamination provide for low loss and noise level. AGT transformers represent the latest technology. The high grade silicon alloyed electrical steel sheet, grain-oriented, cold-rolled and insulated on both sides, guaranteeing low loss and noise.



Winding

All the windings are made of OFHC (Oxygen Free High Conductivity) copper which provides maximum strength, short-circuit withstand capability, increased predictability and lower hot spot temperatures for loading and overloading. Cooling ducts are formed in the windings by radial spacers made of special high density pressboard insulation. All windings are manufactured in a Clean Winding Environment.

Assembly

Core-Coil is the major input of the Active Part Assembly process. Adequate insulation packing is given between LV coils and the core. Connection of off load tap changer is integral part of the core-coil assembly Each core-coil assembly is in a stiff manner of braced using steel frames, distributing along axial clamping forces around the entire circumference of the windings.

The Tanks

All tanks are essential for reliability and long transformer life and thus high quality low carbon hot-rolled steel sheet a re used. All the welding are tested with a penetrant liquid and with the x-rays when necessary. The inside of the tank can be painted with a white oil resistant paint to create good visibility during internal inspection.

VACUUM DRYING & OIL PURIFICATION PROCESS

SURFACE TREATMENT & PAINTING

Cleaning of tanks

The cleaning of tank is done by chipping/grinding. The exterior surfaces of the tank are short blasted to achieve a very fine and smooth finish.

Painting of tanks

After cleaning the tanks, a coat of hot oil resistance paint is applied on the internal surface of the tank. The exterior surfaces are primed with epoxy based two layers of primer coats.

Auto Painting

Using auto epoxy powder spray gun all the area is coated with paint (No unpainted space).

Before Short Blast

After Short Blast

Auto Painting

TESTING FACILITY

Testing Technology of AGT is equipped with accurate state of the art equipment conducting testing on all AGT transformers in accordance with the latest IEC standards. Qualified and experienced engineers are handling with perfection the Factory Acceptance Tests (FAT) while keeping the high standards of quality assurance.

Routine Test

- Insulation resistance test
- Winding resistance
- Ratio and polarity
- Phase relation (Vector Group)
- No-Load loss and excitation current
- Load loss and Impedance voltage
- Separate source AC withstand voltage test
- Induced over voltage test

Type Tests

- Temperature rise
- Lighting impulse test
- Sound level

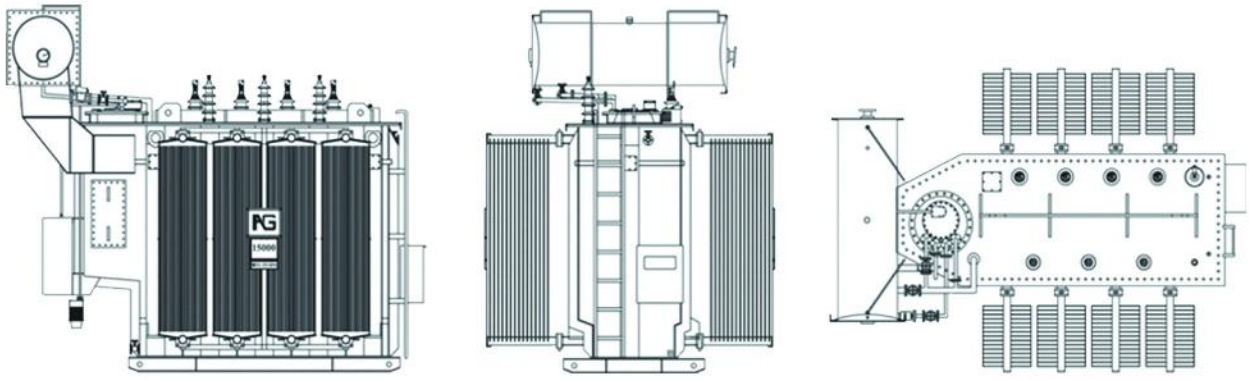
Special Tests

- Partial Discharge and Chopped wave
- Dissipation factor (Tan Delta) and Capacitance
- Frequency Response Analysis(FRA)
- Dissolved Gas Analysis(DGA)

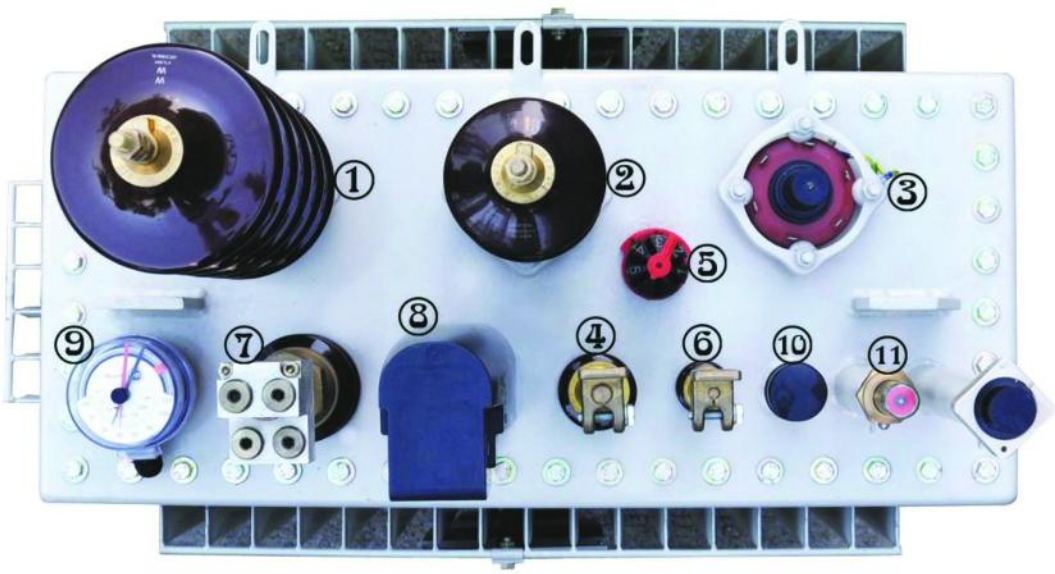
Laboratory Test

AGT Transformer Solutions typically use inhibited mineral oil which is refined especially for use in transformers in accordance with IEC 60296. Oil samples are taken from bulk containment units and following tests are done in our chemical laboratory with modern equipment.

- Dielectric strength
- Interfacial tension
- Power factor
- Moisture content
- Density
- Color and Visual
- Gas analysis



1. H.V Bushing 33kV
2. H.V Bushing 11kV
3. H.V Plug-in Bushing 11kV With UG Cable
4. L.V Bushing 0.4kV
5. Off-Circuit Tap Changer
6. Flag Terminal Connector
7. Slotted Clamp Terminal Connector
8. Slotted Clamp Terminal Connector Cover
9. Dial Thermometer
10. Pressure Relief Device
11. Vertical Oil Level Gauge
12. Foil Winding
13. Enamel Winding
14. Rectangular Winding
15. Insulation Coated Connection Wire
16. Laminated Wood



AGT range of products

- ✔ Distribution Transformer (Corrugated Hermetically Sealed Type)
- ✔ Cast Resin Transformer (Conform to IEC 60076-11)
- ✔ On Load Tap Changing Transformer
- ✔ Power Transformer
- ✔ Pad Mounted Transformer (American Style)
- ✔ Pole Mounted Transformer
- ✔ Unit Substation Transformer (Package or Compact Substation)
- ✔ Completely Self-Protected Type Transformer

Distribution Transformer up to 33kV, 5000kVA

Power Transformer up to 230kV, 150 MVA

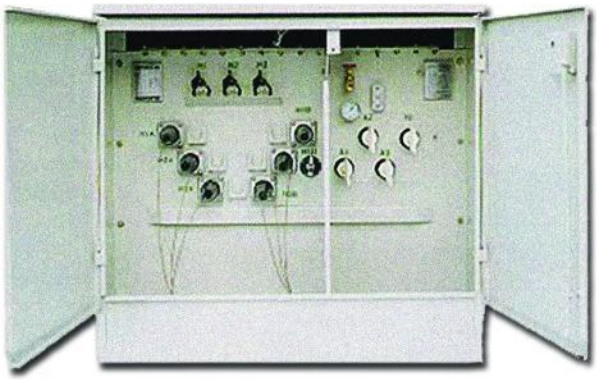
Features

Advance design technology
Compact, low noise level and loss
High quality, long life and reliability
Optimized to withstand short circuit force

Features

Surge-Proof insulation
Efficient Cooling Type (ONAN or ONAF)
High Mechanical Strength
Low noise level

Pad Mounted Transformer (American Style)



Features

Built-in Load Break Switch
Fuse Protection on HV side
MCCB installed on LV side
Completed metering and protection units

Unit Substation Transformer (Package or Compact Substation)

Features

Safety
Compact(New design)
Easy Maintenance

Pole Mounted Transformer (Single Phase / Three Phase)

Features

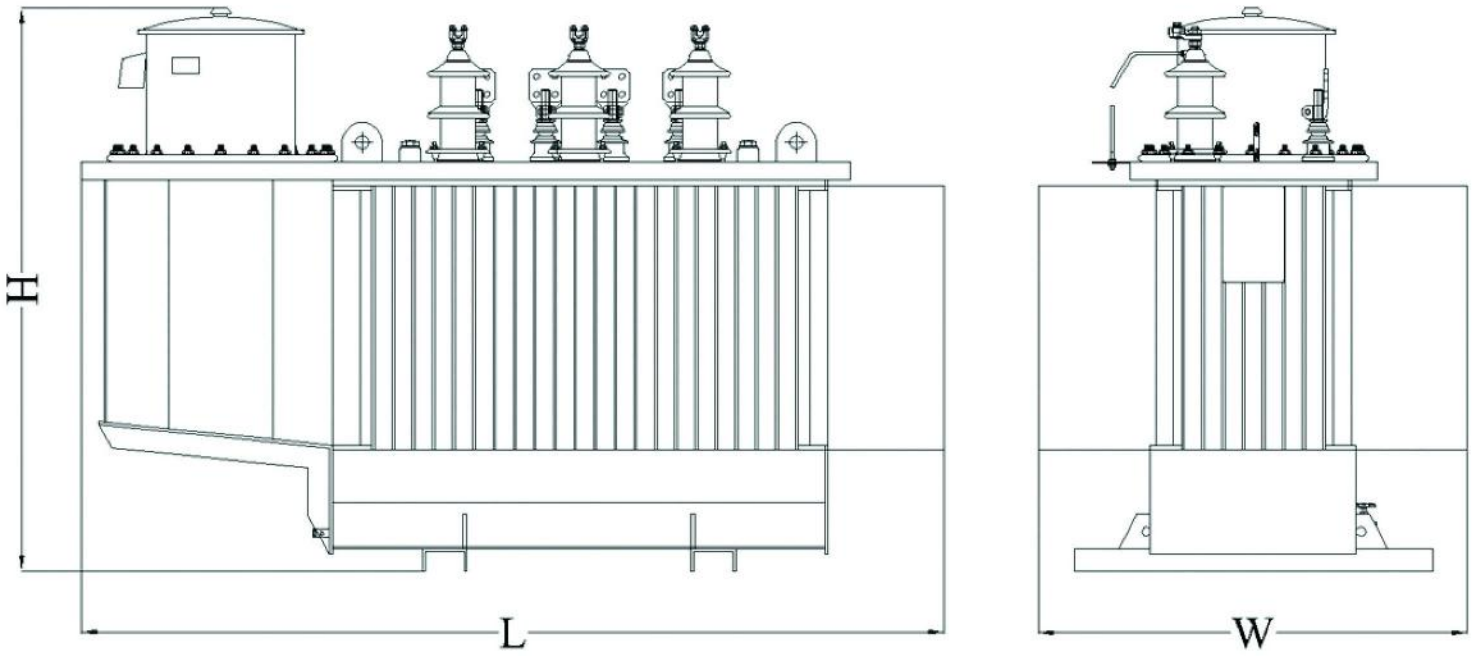
Use for residential overhead distribution lines
Reasonably small in size and mass
Easy to install on structures

Completely Self-Protected Type Transformer

Features

HV Side Fuse
LV Side Circuit Breaker
Operation Handle
Load Management SignalLight
Surge Arrestor

Hermetically Sealed Type (On-Load Tap Changer)

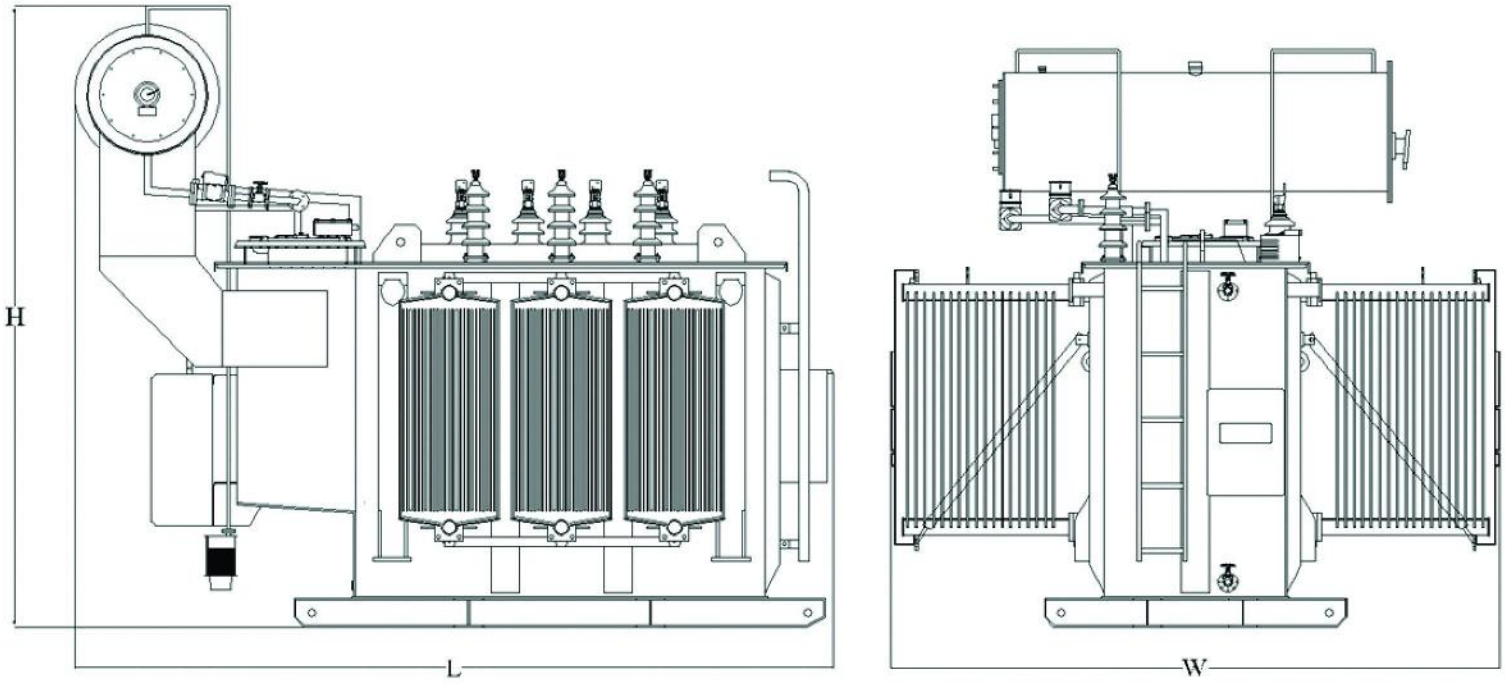


ASIA GENERAL TRANSFORMER (ON-LOAD TRANSFORMER TECHNICAL DATA)

Frequency : 50 Hz			Hermetically Sealed Type						Primary - 11000 V, 6600V				
Phase : 3Ø			(On-Load Transformer)						Secondary - 400/230V				
Rated	Dimension (mm)			Oil	Total	No-Load	Load	% I_o	% Z	Efficiency (P.F=1)		Voltage	Noise
Capacity	L	W	H		Weight	Losses	Losses	No - Load	Impedance	½ Load	Full Load	Regulation	Level
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	Current (%)	75°C (%)	(%)	(%)	P.F = 1	dB(A)
100	1675	865	1160	345	1195	310	1600	1.8	4.0	98.60	98.13	1.67	51
160	1790	865	1150	365	1215	500	2400	1.6	4.0	98.64	98.22	1.57	55
200	1695	925	1245	380	1465	530	2800	1.5	4.0	98.78	98.36	1.47	55
250	1985	980	1720	450	1685	600	3400	1.4	4.0	98.85	98.43	1.43	55
315	2015	990	1740	490	1865	700	4200	1.3	4.0	98.90	98.47	1.40	56
400	2090	995	1780	465	2050	800	5000	1.2	4.0	98.99	98.57	1.32	56
500	2110	1065	1880	490	2210	950	5500	1.1	4.0	99.08	98.73	1.17	56
630	2140	1050	1905	570	2435	1100	6800	1.1	4.0	99.12	98.76	1.15	57
750	2175	1060	1935	650	2655	1250	8800	1.1	5.0	99.09	98.68	1.29	57
800	2320	1075	2055	775	3260	1300	9000	1.0	5.0	99.12	98.73	1.24	57
1000	2370	1430	2100	795	3480	1500	10000	0.8	5.5	99.21	98.86	1.15	58
1250	2625	1385	2155	930	4660	1600	12500	0.7	6.0	99.25	98.88	1.18	59
1500	2860	1525	2225	1085	4895	1900	15000	0.6	6.0	99.25	98.89	1.18	60
2000	2910	1465	2300	1280	5900	2400	18000	0.6	6.0	99.31	98.99	1.08	61

Frequency : 50 Hz			Hermetically Sealed Type						Primary - 33000V				
Phase : 3Ø			(On-Load Transformer)						Secondary - 400/230V				
Rated	Dimension (mm)			Oil	Total	No-Load	Load	% I_o	% Z	Efficiency (P.F=1)		Voltage	Noise
Capacity	L	W	H		Weight	Losses	Losses	No - Load	Impedance	½ Load	Full Load	Regulation	Level
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	Current (%)	75°C (%)	(%)	(%)	P.F = 1	dB(A)
100	1910	915	1490	435	1240	400	1750	1.8	4.0	98.35	97.90	1.81	51
160	2055	930	1695	580	1330	600	2500	1.8	4.0	98.49	98.10	1.63	55
200	2075	1035	1790	630	1720	700	3000	1.5	4.0	98.57	98.18	1.57	55
250	2150	1033	1840	665	1850	800	3600	1.4	4.0	98.66	98.27	1.51	55
315	2220	1045	1885	695	2330	950	4300	1.3	4.0	98.73	98.36	1.44	56
400	2230	1080	1960	860	2730	1000	4800	1.2	4.0	98.91	98.57	1.27	56
500	2375	1095	1935	895	3200	1100	5500	1.2	4.0	99.02	98.70	1.17	56
630	2455	1120	2045	945	3335	1200	6800	1.2	4.0	99.09	98.75	1.15	57
750	2525	1240	2065	990	3560	1300	8000	1.1	5.0	99.13	98.78	1.19	57
800	2560	1230	2105	1085	3600	1400	8500	1.0	5.0	99.13	98.78	1.18	57
1000	2850	1305	2175	1230	4315	1500	10000	0.8	6.0	99.21	98.86	1.18	58
1250	2730	1385	2220	1280	4780	1800	12000	0.8	6.0	99.24	98.91	1.14	59
1500	2750	1515	2265	1420	5440	2200	14000	0.7	6.0	99.25	98.93	1.11	60
2000	2775	1510	2355	2260	6285	2600	19000	0.7	6.0	99.27	98.93	1.13	61

Conservator Type (On-Load Tap Changer)



ASIA GENERAL TRANSFORMER (ON-LOAD TRANSFORMER TECHNICAL DATA)

Frequency : 50 Hz	Conservator Type	Rated Primary Voltage - 11 kV,6.6kV
Phase : 3Ø	(On Load Tap Changer)	Secondary Voltage - 400/230 V

Rated Capacity	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
2500	3400	2640	2985	1890	7920	2600	22000	0.3	6.0	99.36	99.03	1.06	62
3000	3660	2700	3170	1965	9100	3400	26000	0.3	7.0	99.34	99.03	1.11	63
4000	3850	2750	3250	2420	10500	4000	34000	0.3	7.0	99.38	99.06	1.09	64

Frequency : 50 Hz	Conservator Type	Rated Primary Voltage - 33 kV
Phase : 3Ø	(On Load Tap Changer)	Secondary Voltage - 11 kV,6.6 kV

Rated Capacity	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
2500	3800	2800	2850	2610	10000	3300	21000	0.3	6.0	99.32	99.04	1.02	62
3000	4060	2855	3260	2955	13695	3700	23000	0.3	7.0	99.37	99.12	1.01	63
5000	4200	2865	3530	3875	15645	5400	31000	0.3	7.0	99.48	99.28	0.86	65
10000	4485	3580	3640	4945	21400	8000	65000	0.3	8.0	99.52	99.28	0.97	68
15000	4770	4250	3900	5960	31330	12000	90000	0.3	8.0	99.54	99.32	0.92	70
20000	5100	4445	3930	7620	34050	13500	110000	0.3	8.0	99.59	99.39	0.87	71
30000	6120	4645	4300	8380	47670	19000	145000	0.3	10.0	99.63	99.46	0.98	73

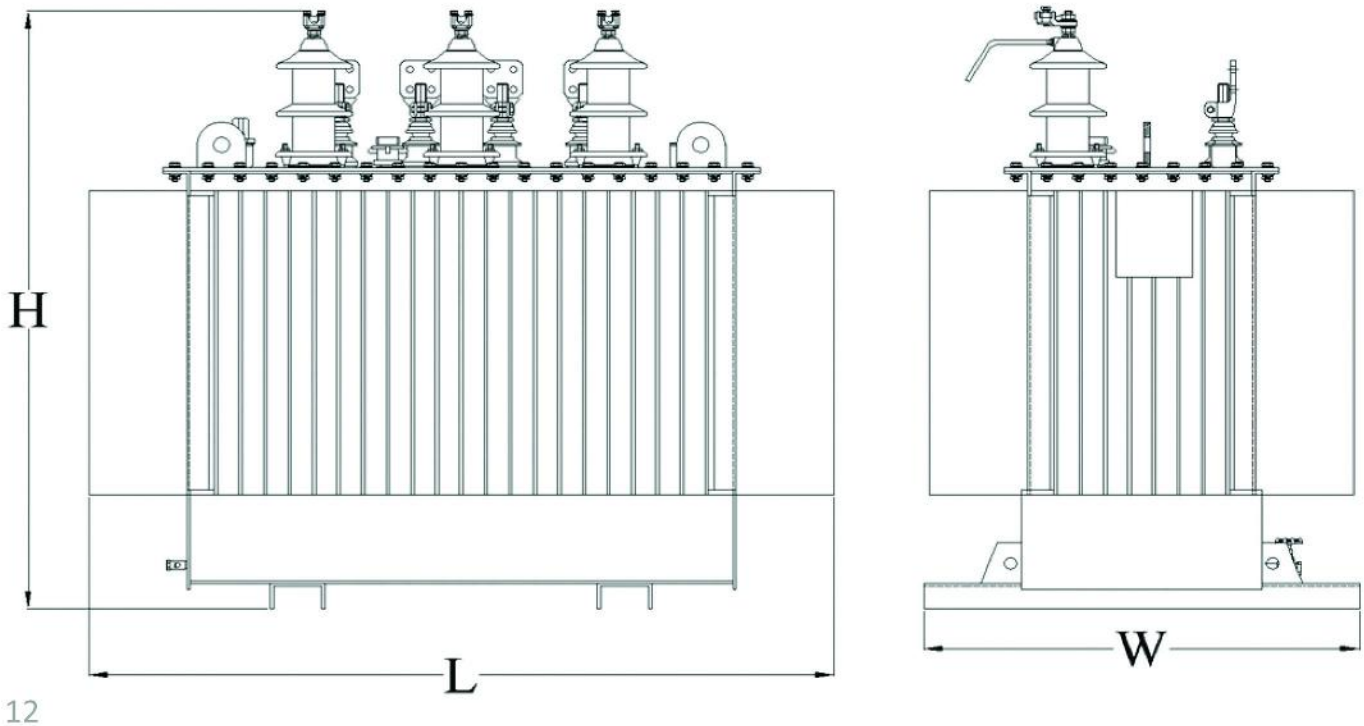
Frequency : 50 Hz	Conservator Type	Rated Primary Voltage - 33 kV
Phase : 3Ø	(On Load Tap Changer)	Secondary Voltage - 400/230 V

Rated Capacity	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
2500	3700	2550	3190	2285	8950	2900	23000	0.3	6.0	99.31	98.97	1.10	62
3000	3800	2800	3250	2390	9790	3500	27000	0.3	7.0	99.32	98.99	1.14	63
4000	3975	3000	3350	3040	12235	4200	35000	0.3	7.0	99.36	99.03	1.12	64

Frequency : 50 Hz	Conservator Type	Rated Primary Voltage - 66 kV
Phase : 3Ø	(On Load Tap Changer)	Secondary Voltag - 33 kV,11 kV,6.6 kV

Rated Capacity	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
3000	4805	3170	3500	5110	14150	4200	22000	0.3	7.0	99.36	99.13	0.98	63
5000	4850	3390	3810	5130	16190	6000	37000	0.3	7.0	99.39	99.15	0.98	65
10000	5155	3635	4060	8690	24265	8500	65000	0.3	8.0	99.51	99.27	0.97	68
15000	5710	3710	5000	9875	36795	12000	99000	0.3	8.0	99.51	99.27	0.98	70
20000	6190	4715	5185	13755	48940	15000	110000	0.3	8.0	99.58	99.38	0.87	71
30000	6340	4790	5200	20480	64660	21000	150000	0.3	10.0	99.61	99.43	1.00	73

Hermetically Sealed Type (Off Load Tap Changer)

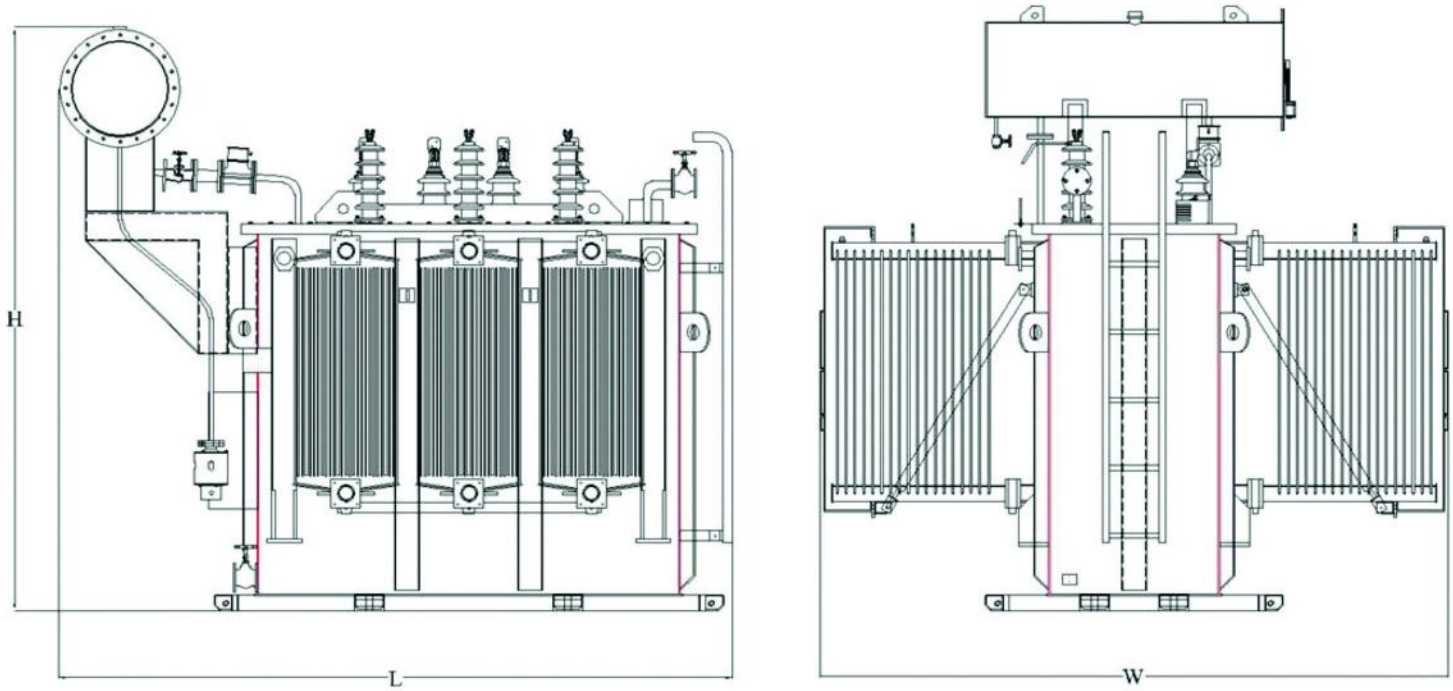


ASIA GENERAL TRANSFORMER (OFF-LOAD TRANSFORMER TECHNICAL DATA)

Frequency : 50 Hz			Hermetically Sealed Type						Primary - 11000 V, 6600V				
Phase : 3Ø			(Off Load Tap Changer)						Secondary - 400/230V				
Rated	Dimension (mm)			Oil	Total	No-Load	Load	% I_o	% Z	Efficiency (P.F=1)		Voltage	Noise
Capacity	L	W	H		Weight	Losses	Losses	No - Load	Impedance	½ Load	Full Load	Regulation	Level
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	Current (%)	75°C (%)	(%)	(%)	P.F = 1	dB(A)
50	965	690	1020	125	515	200	1050	1.9	4.0	98.18	97.56	2.16	48
100	1065	770	1120	140	705	300	1700	1.8	4.0	98.57	98.04	1.77	51
160	1120	850	1125	175	885	400	2400	1.7	4.0	98.77	98.28	1.57	55
200	1270	860	1210	200	1045	500	2850	1.5	4.0	98.80	98.35	1.49	55
250	1355	880	1200	230	1145	600	3500	1.4	4.0	98.83	98.39	1.47	55
315	1500	900	1205	260	1310	700	4200	1.3	4.0	98.90	98.47	1.40	56
400	1600	960	1285	290	1575	850	5300	1.2	4.0	98.92	98.49	1.39	56
500	1730	975	1355	470	2135	950	6000	1.1	4.0	99.03	98.63	1.27	56
630	1810	1065	1495	505	2200	1100	7000	1.1	4.0	99.10	98.73	1.18	57
750	1905	1060	1515	540	2410	1250	9000	1.1	5.0	99.08	98.65	1.32	57
800	1915	1070	1545	575	2620	1300	10000	1.0	5.0	99.06	98.61	1.37	57
1000	2025	1310	1550	610	3125	1500	11000	0.8	6.0	99.16	98.77	1.27	58
1250	2100	1345	1725	630	3445	1800	15000	0.7	6.0	99.12	98.67	1.37	59
1500	2160	1410	1760	950	4355	2000	17000	0.6	6.0	99.17	98.75	1.31	60
2000	2250	1425	1904	990	4545	2400	22000	0.6	6.0	99.22	98.79	1.27	61

Frequency : 50 Hz			Hermetically Sealed Type						Primary - 33000 V				
Phase : 3Ø			(Off Load Tap Changer)						Secondary - 400/230V				
Rated	Dimension (mm)			Oil	Total	No-Load	Load	% I_o	% Z	Efficiency (P.F=1)		Voltage	Noise
Capacity	L	W	H		Weight	Losses	Losses	No - Load	Impedance	½ Load	Full Load	Regulation	Level
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	Current (%)	75°C (%)	(%)	(%)	P.F = 1	dB(A)
50	1180	860	1300	230	755	300	1000	1.9	4.0	97.85	97.47	2.06	48
100	1220	880	1400	300	1015	390	1600	1.8	4.0	98.44	98.05	1.67	51
160	1280	890	1420	365	1265	550	2500	1.8	4.0	98.55	98.13	1.63	55
200	1375	935	1515	440	1515	650	2800	1.5	4.0	98.67	98.30	1.47	55
250	1500	945	1550	455	1650	750	3400	1.5	4.0	98.74	98.37	1.43	55
315	1630	950	1580	465	1780	800	4200	1.3	4.0	98.84	98.44	1.40	56
400	1690	975	1650	530	2055	900	5000	1.2	4.0	98.94	98.55	1.32	56
500	1865	1045	1645	570	2560	1300	5500	1.2	4.0	98.94	98.66	1.17	56
630	1990	1145	1700	630	2830	1300	6700	1.2	4.0	99.06	98.75	1.14	57
750	2085	1240	1755	710	3100	1400	8000	1.1	5.0	99.10	98.76	1.18	57
800	2110	1250	1780	835	3250	1500	8500	1.0	5.0	99.10	98.77	1.18	57
1000	2120	1310	1875	930	3720	1750	11000	0.8	6.0	99.11	98.74	1.27	58
1250	2255	1485	1970	975	4695	2100	14000	0.8	6.0	99.11	98.73	1.29	59
1500	2360	1515	1940	1070	4770	2200	15000	0.7	6.0	99.21	98.87	1.18	60
2000	2360	1515	2125	1255	5570	2600	22000	0.7	6.0	99.20	98.78	1.27	61

Conservator Type (Off Load Tap Changer)



Frequency : 50 Hz			Conservator Type						Rated Primary Voltage - 11 kV,6.6 kV				
Phase : 3Ø			(Off Load Tap Changer)						Secondary Voltage - 400/230 V				
Rated Capacity	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
2500	2840	2400	2755	1305	6510	2800	23000	0.3	6.0	99.32	98.98	1.10	62
3000	2875	2540	2780	1380	7120	3400	27000	0.3	7.0	99.33	99.00	1.14	63
4000	2975	2580	2900	1780	9100	4000	34000	0.3	7.0	99.38	99.06	1.09	64

Frequency : 50 Hz			Conservator Type						Rated Primary Voltage - 33 kV				
Phase : 3Ø			(Off Load Tap Changer)						Secondary Voltage - 400/230 V				
Rated Capacity	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
2500	3120	2550	2790	1910	7830	3200	23000	0.3	6.0	99.29	98.96	1.10	62
3000	3230	2620	2900	2085	8625	3500	27000	0.3	7.0	99.32	98.99	1.14	63
4000	3800	3400	3165	2250	9315	4200	35000	0.3	7.0	99.36	99.03	1.12	64

Frequency : 50 Hz			Conservator Type						Rated Primary Voltage - 33 kV				
Phase : 3Ø			(Off Load Tap Changer)						Secondary Voltage - 11 kV,6.6 kV				
Rated	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
Capacity	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
2500	2920	2500	2685	1620	6605	3200	21500	0.3	6.0	99.32	99.02	1.04	62
3000	3160	2650	2790	2005	7020	3700	23800	0.3	7.0	99.36	99.09	1.04	63
4000	3520	3150	2930	2650	8200	4700	32000	0.3	7.0	99.37	99.09	1.04	64
5000	3430	3230	3035	3100	12546	4900	38000	0.3	7.0	99.43	99.15	1.00	65
6000	3620	3255	3200	3130	15080	6300	42000	0.3	7.0	99.44	99.20	0.94	66
10000	3780	3070	3500	3230	19150	8000	65000	0.3	8.0	99.52	99.28	1.00	68
12500	3600	3400	3950	4000	22710	9000	80000	0.3	8.0	99.54	99.29	0.97	69
15000	3840	4200	3850	5170	25680	10000	95000	0.3	8.0	99.55	99.30	0.96	70
20000	4200	4265	3930	5840	29620	13000	125000	0.3	8.0	99.56	99.31	0.94	71
25000	4100	4130	4100	7310	36530	15000	140000	0.3	8.0	99.60	99.38	0.88	72
30000	4600	4500	4400	10440	51000	18500	145000	0.3	10.0	99.64	99.46	0.98	73

Frequency : 50 Hz			Conservator Type						Rated Primary Voltage - 66 kV				
Phase : 3Ø			(Off Load Tap Changer)						Secondary Voltag - 33kV,11 kV,6.6 kV				
Rated	Dimension (mm)			Oil Weight	Total Weight	No-Load Losses	Load Losses	% I_o	% Iz	Efficiency (P.F=1)		Voltage Regulation	Noise Level
Capacity	L	W	H					No-Load Current	Impedance at 75°C	½ Load	Full Load		
(kVA)	(mm)	(mm)	(mm)	(kg)	(kg)	(Watt)	(Watt)	(%)	(%)	(%)	(%)	P.F = 1	dB(A)
1250	3600	2980	3750	2610	11350	2200	13000	0.4	6.0	99.14	98.80	1.21	59
2000	3700	3100	3400	4105	13550	3000	18000	0.4	6.0	99.26	98.96	1.08	61
3000	3850	3100	3500	4190	14000	3900	25500	0.3	7.0	99.32	99.03	1.09	63
5000	3925	3500	3810	4310	15330	5500	38000	0.3	7.0	99.40	99.14	1.00	65
10000	4200	3635	4075	6410	23710	8000	65000	0.3	8.0	99.52	99.28	0.97	68
15000	4470	3715	4520	7605	30505	10000	99000	0.3	8.0	99.54	99.28	0.98	70
20000	4530	4585	4570	9810	37900	13500	125000	0.3	8.0	99.55	99.31	0.94	71
25000	4680	4690	4780	13140	45000	16500	135000	0.3	8.0	99.60	99.40	0.86	72
30000	4860	4790	5000	16390	51725	19500	160000	0.3	10.0	99.60	99.41	1.03	73

Product Gallery

1000 kVA,11-6.6/0.4 kV, OLTC - 9

1500 kVA, 33/0.4 kV, OLTC - 9

200 kVA, 11/0.4 kV, NLTC -7

Pole Mounted Transformer

315 kVA, 11/0.4 kV, NLTC -7

100 kVA, 11/0.4 kV, NLTC -7

160 kVA, 11/0.4 kV, NLTC -7

Pad Mounted Transformer

DELIVERY SERVICES

Our in house delivery engineering team is fully equipped with mobile cranes , skidding and jacking equipment. Our engineers conduct physical surveys and determine the best method to transport and commission the products.We have successfully delivered transformers and switchgears to remote mountaineous regions such as Kachin and Shan States.The team members are also HSE certified.

E-mail : aftersaleservice.agt@ageholding.com

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AFTER SALES SERVICES

AGT provides 24/7 after sales service with service stations in strategic locations in Yangon and Mandalay enabling us to respond to your need all over the country rapidly.

	After Sales Service Support	
	YGN	MDY(plan)
Man power	25	11
Equipment	- 4Nos. of ASS service car - Oil Purifier (ZYD-50) - Turn Ratio Tester - Oil Insulation Break down Tester - Megger Meter	- 3Nos. of ASS service car - Oil Purifier (ZYD-50) - Turn Ratio Tester - Oil Insulation Break down Tester - Megger Meter
Activities	Within Warranty period • On Site Installation of Transformer • Battery Back up Installation for OLTC • Counter Check for OLTC • Oil Purification if required • 24hr Service	
	After Warranty period	
	• Service & maintenance of transformer upon customer request • Transformer Performance Analysis	

Asia General Holding Showroom

ASIA GENERAL HOLDING

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(Transformers)

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