

SUNGJIN TRANSFORMERS



www.sjtr.co.kr

SUNGJIN TRANSFORMERS



17-26, Hwaseong-ro 1424beon-gil, Namyang-eup,
Hwaseong-si, Gyeonggi-do, Republic of Korea
Tel . 82-31-355-9977
Fax . 82-31-356-1452
e-mail. sjsj9977@naver.com

www.sjtr.co.kr

Design by ADPartner / 2019.11 / 02-598-2228



We only manufacture electric transformers with a spirit of craftsman



GREETING

We will make products placing the top priority on high reliability. Since it started electric transformer manufacturing business in 1980, Sungjin General Electric Co.,Ltd. has devoted itself to production of good quality transformers with a strong belief for last 30 years. Since the time when the company was established, all the members of Sungjin with one accord have been trying to achieve the best quality under a conviction of "All in the only one". We will serve small customers big. Do not worry about the small budget prepared. We will sincerely consult with you from design, quotation to execution of the work. We will try to supply unchanging products based on customers' trust.

QUALITY ASSURANCE

For oil immersed transformers of Sungjin General Electric Co., Ltd., following tests are executed in accordance with the requirements of domestic and international standards (KS C 4306, IEC 60076 and JEC 2200).

ROUTINE TESTS

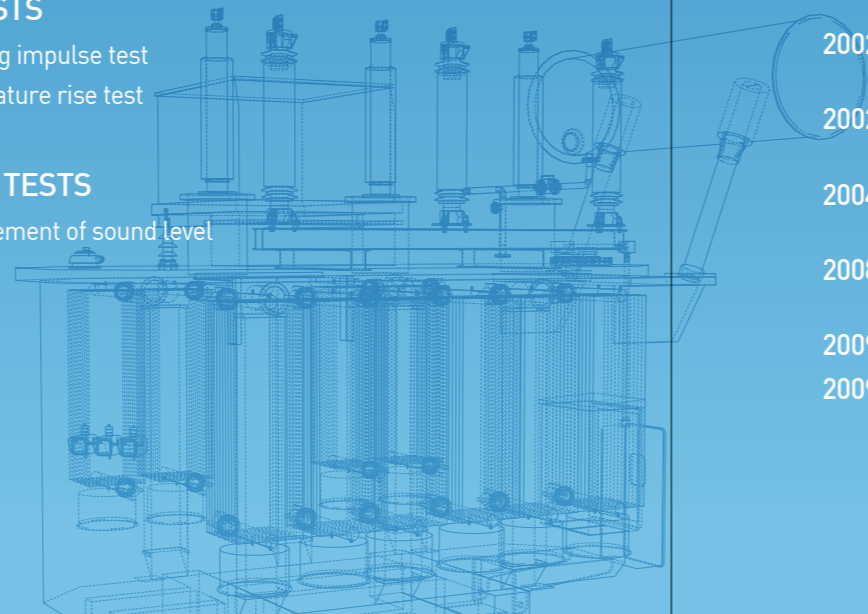
- Measurement of Winding resistance
- Measurement of Voltage ratio
- Check of Vector relationship
- Measurement of impedance voltage and load loss
- Measurement of no load loss and current
- Separate-source voltage withstand test
- Induced overvoltage withstand test
- Checking of the dimensions

TYPE TESTS

- Lightning impulse test
- Temperature rise test

SPECIAL TESTS

- Measurement of sound level



HISTORY

- 1980 01 ● Established Sungjin Electric
- 1989 05 ● Changed the company name into Sungjin General Electric
- 1994 12 ● Changed the company into a corporation under the name of Sungjin General Electric Co., Ltd.
- 1999 11 ● Acquired ISO9001 Quality Assurance System Certification
- 2000 07 ● Moved into the newly completed Namyang Factory
- 2000 10 ● Joined Korea Electrical Manufacturers Association as a member
- 2000 10 ● Acquired a Certificate of Exemption from Accredited Third Party Test
- 2001 09 ● Acquired KSC 4306 Quality Assurance System Certification
- 2002 02 ● Joined Korea Electrical Manufacturers Cooperative
- 2002 09 ● Acquired ISO 14001 Environmental System Certification
- 2004 11 ● Designated as a family company by Industrial Bank of Korea
- 2008 05 ● Designated as a Venture Business Guaranteed by Technology Evaluation
- 2009 02 ● Started production of mold transformers
- 2009 04 ● Acquired High Efficiency Material Certification
- 2009 05 ● Started manufacturing of dry type molded transformers
- 2010 05 ● Acquired INNO-BIZ Certification
- 2010 05 ● Established a company subsidiary research center
- 2010 05 ● Acquired MAIN-BIZ Certification
- 2010 11 ● Selected as a clean factory
- 2011 09 ● Acquired Authentication of merit by Governor of Gyeonggi Province
- 2011 09 ● The selection Gyeonggi-do prospective small and medium-sized firm
- 2011 11 ● The registration of Patent No. 10-1083343
- 2011 11 ● The registration of Patent No. 10-1090142
- 2012 01 ● The registration of Patent No. 10-1128485
- 2012 03 ● The registration of Patent No. 10-1128452
- 2012 12 ● The award of a million dollar export tower
- 2013 05 ● The selection of frontier business for electronic trade
- 2014 12 ● The selection of prospective small and medium-sized export firm
- 2016 08 ● The selection of Kepco Trusted Partner by KEPCO
- 2017 02 ● The registration of Patent No. 10-1706108
- 2017 03 ● The selection of G-PASS company
- 2018 06 ● The registration of Patent No. 10-1869820
- 2019 07 ● The registration of Patent No. 10-2005074

3 PHASE POWER SUBSTATION TRANSFORMER

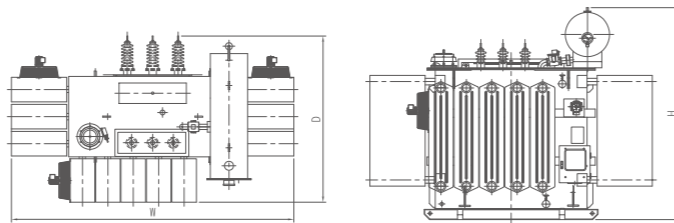


FEATURES

High reliability power transformers are manufactured through insulation design and optimum cooling structure design using accumulated technology.

STANDARD SPECIFICATION

Applicable Specification	IEC 60076
Frequency	60Hz, 50Hz
Primary Rated Voltage (kV)	69, 66, 34.5, 22, 13.8, 13.2, 6.6, 3.3
Secondary Rated Voltage (kV)	0.48, 0.44, 0.38, 0.22
Tap Voltage (kV)	5 STEPS, $\pm 2 \times 2.5\%$



SPECIFICATION

Capacity (KVA)	Efficiency η (%)	Voltage Regulation ϵ (%)	Exciting Current I_o (%)	Width (mm)	Depth (mm)	Height (mm)	Oil (ℓ)	Total Weight (kg)
3000	98.8	1.2	2.5	2500	2500	2600	3900	11000
4000	98.8	1.2	2.5	3000	2750	2650	4500	13000
5000	98.9	1.2	2.0	3200	3000	2700	5200	15000
7500	99.0	1.1	2.0	3300	3300	2800	6000	18000
10000	99.1	1.1	2.0	3450	3500	2900	7000	22000
15000	99.2	1.1	1.5	3600	3700	3100	8000	29000
20000	99.2	1.1	1.5	3750	3900	3250	10000	35000

※ Above specification may be changed to improve performance.
 ※ Transformers of other specifications than listed above can be made to order.

SINGLE PHASE POLE MOUNTED TRANSFORMER

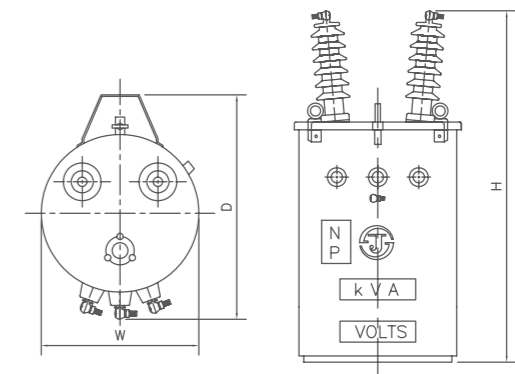


FEATURES

Pole transformer type for overseas export.

STANDARD SPECIFICATION

Applicable Specification	ANSI C57.12.20
Frequency	60Hz, 50Hz
Primary Rated Voltage (kV)	13.2 / 7.62
Secondary Rated Voltage (kV)	0.24/0.12
Tap Voltage (kV)	F8.0-F7.81-R7.62-7.43-7.24



SPECIFICATION

Capacity (KVA)	Efficiency η (%)	Voltage Regulation ϵ (%)	Exciting Current I_o (%)	Width (mm)	Depth (mm)	Height (mm)	Oil (ℓ)	Total Weight (kg)
10	97.8	3.0	1.9	370	520	940	30	100
15	98.1	3.0	1.8	450	530	970	30	130
25	98.4	2.8	1.7	500	580	980	40	180
37.5	98.6	2.6	1.6	520	600	1,000	40	220
50	98.7	1.9	1.5	540	630	1,060	45	280
75	98.8	1.8	1.4	590	670	1,100	55	380
100	98.8	1.7	1.3	680	680	1,120	60	450
167	98.8	1.6	1.2	710	800	1,190	80	580
250	98.9	1.5	1.1	980	950	1,350	200	980
333	98.9	1.4	1.0	1,040	960	1,400	235	1,100

※ Above specification may be changed to improve performance.
 ※ Transformers of other specifications than listed above can be made to order.

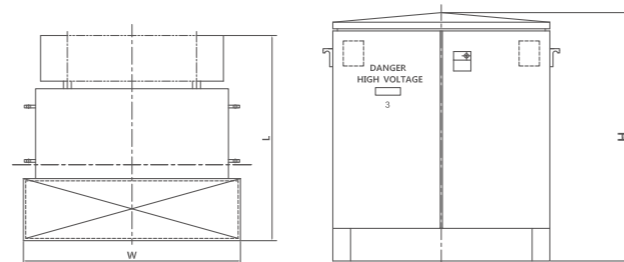
3 PHASE PAD MOUNTED TRANSFORMER

FEATURES

It is adequate to be used for a city center or a school where the power part is not externally exposed as power is transmitted through underground cables. A device to protect the primary and secondary voltage parts can be installed in accordance with the user requirements.

STANDARD SPECIFICATION

Applicable Specification	ANSI C57.12.25, ANSI C57.12.26
Frequency	60Hz, 50Hz
Primary Rated Voltage (kV)	34.5, 13.8, 13.2, 6.6, 3.3
Secondary Rated Voltage (kV)	0.4Y/0.23, 0.23
Tap Voltage (kV)	5 STEPS, $\pm 2 \times 2.5\%$



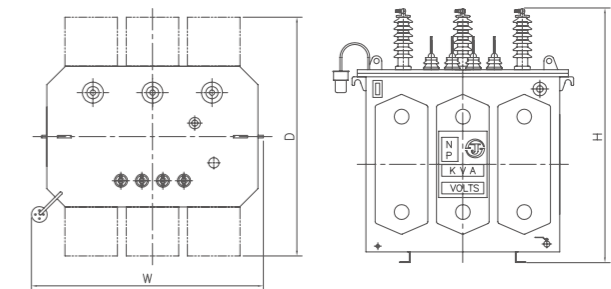
3 PHASE DISTRIBUTION TRANSFORMER

FEATURES

It has low noise, superior short circuit electromagnetic force withstanding and can be installed anywhere, indoor or outdoor.

STANDARD SPECIFICATION

Applicable Specification	IEC 60076
Frequency	60Hz, 50Hz
Primary Rated Voltage (kV)	34.5, 22, 13.8, 13.2, 6.6, 3.3
Secondary Rated Voltage (kV)	0.48, 0.44, 0.38, 0.22
Tap Voltage (kV)	5 STEPS, $\pm 2 \times 2.5\%$



SPECIFICATION

Capacity (KVA)	Efficiency $\eta(\%)$	Voltage Regulation $\epsilon(\%)$	Exciting Current $I_o(\%)$	Width (mm)	Depth (mm)	Height (mm)	Oil (ℓ)	Total Weight (kg)
500	98.1	1.5	5.0	1750	1500	1550	1600	3800
1000	98.4	1.3	4.4	1850	1600	1600	1800	4200
1500	94.4	1.3	4.3	1950	1800	1700	1950	5000
2000	98.5	1.25	4.3	2100	2000	1950	2100	5800
2500	98.6	1.2	4.0	2150	2100	2100	2200	6200
3000	98.7	1.2	4.0	2200	2250	2200	2350	6800

※ Above specification may be changed to improve performance.
 ※ Transformers of other specifications than listed above can be made to order.

SPECIFICATION

Capacity (KVA)	Efficiency $\eta(\%)$	Voltage Regulation $\epsilon(\%)$	Exciting Current $I_o(\%)$	Width (mm)	Depth (mm)	Height (mm)	Oil (ℓ)	Untanking Weight (kg)	Total Weight (kg)
100	97.6	1.8	6.0	1050	740	1280	180	250	700
150	97.6	1.8	6.0	1050	780	1280	220	280	800
200	97.7	1.7	6.0	1100	1000	1350	300	350	1000
250	97.8	1.6	5.5	1100	1050	1350	320	420	1100
300	97.9	1.6	5.5	1200	1150	1350	350	460	1250
350	98.0	1.5	5.0	1200	1100	1350	350	500	1350
400	98.1	1.5	5.0	1200	1150	1350	400	550	1400
450	98.1	1.5	5.0	1200	1250	1350	400	600	1500
500	98.1	1.5	5.0	1200	1250	1400	450	650	1600
600	98.1	1.5	5.0	1250	1350	1400	500	750	1850
750	98.3	1.4	4.5	1350	1500	1500	620	900	2200
900	98.4	1.3	4.5	1350	1600	1550	700	1000	2450
1000	98.4	1.3	4.4	1350	1750	1550	700	1150	2650

※ Above specification may be changed to improve performance.
 ※ Transformers of other specifications than listed above can be made to order.