



Dry -Type Transformers



Sino-German joint venture

About LTEC

We have specialized in the production of reactors, capacitors, filters, and **Dry-Type Transformers** since 2004. Our primary production plant in Kunshan City spans an area of 20,000 square meters and is located just a one-hour drive from Shanghai Pudong International Airport (PVG).

Our R&D teams are based in Gelsenkirchen and Taipei, and we hold approximately 120 patents related to our products.

In 2023, **Drosseln GmbH** invested in **Jiangsu LTEC Electric Co., Ltd.**, forming a Sino-German joint venture with the purpose of enhancing competitiveness in the Asian market.

We provide our customers with world-class LV and HV products, along with reliable technology and friendly, flexible customer support. Additionally, we develop **"tailor-made"** products and solutions tailored to your applications.

Our products have been exported to the UK, Germany, the USA, Israel, Australia, and more than **60** countries and regions worldwide.

Just contact us

We are right here waiting for you...

What certifications do our products



Certified electrical insulation system class H (180 'C) and R (220 'C) according to UL-1446



Certified product safety approval by customs unions according to IEC60076-6, 1S09001



Certified quality management system according to ISO9001-2015

Certified environmental management system according to ISO14001-2015



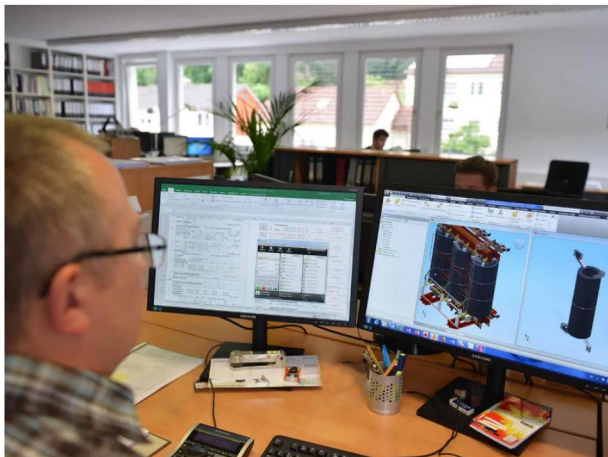
Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID:2000000000



ISO 9001:2015
ISO 14001:2014

Certified reactor approval mark according to IEC60076-6 and IEC61558-2-20

R&D, Manufacturing, and Quality Control



R&D of transformers



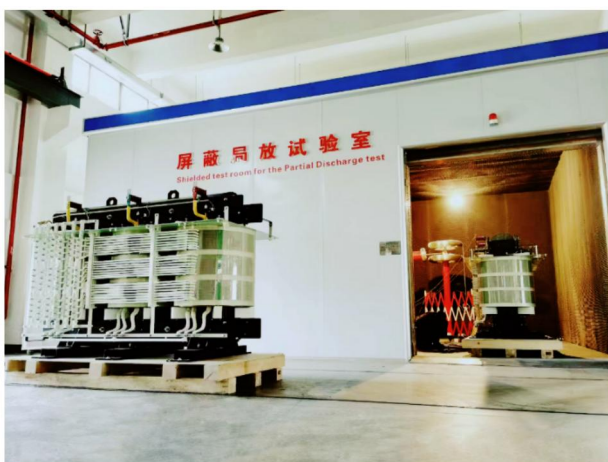
Transformers winding



Rectifier transformers winding



Automatic vacuum impregnation system



Partial discharge testing equipment



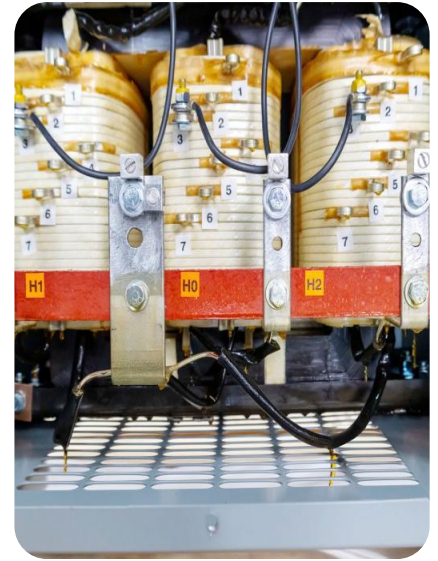
The lightning impulse equipment

Low Voltage Dry-Type Transformers

LTEC Low voltage dry - type transformers are designed, built, and tested in accordance with the highest industry standards including NEMA, ANSI C.57, DOE, and IEEE as applicable. Whether your low voltage power need is indoors or outdoors, LTEC specializes in up to 800v transformers that can be customized for both step-up and step-down power distribution, energy storage, and machine-tool applications.

Transformer Specifications:

- 60 Hz Frequency
- Vacuum Pressure Impregnated
- Aluminum or Copper Windings
- UL1446 insulation system
- Certified by H class (180°C) or R (220°C)



Product Scope

kVA range: 5 kVA -1,000 kVA

Voltage range: Up to 800v

Partial Technical Specifications

480V Delta Primary Volts 208Y/120 Secondary Volts 60 HZ

kVA	Amps at 480v	Dimensions (HxWxD)	Amps at 208 Y 120	Mtg Type W - Wall F - Floor	Weight (lbs)
15	18	22"x22"x21"	42	F or W	220
30	36	29"x26"x24"	83	F or W	330
45	54	29"x26"x24"	125	F or W	450
75	90	36"x29"x27"	208	F or W	600
112.5	135	38"x29"x29"	312	F or W	800
150	180	45"x33"x33"	416	F	1100
225	271	52"x38"x37"	625	F	1460
300	361	52"x38"x37"	833	F	1800
500	601	66"x55"x44"	1388	F	3000
750	902	72"x54"x47"	2082	F	4100
1000	1203	82"x60"x47"	2776	F	5500



DRY-TYPE ISOLATION TRANSFORMER

Type: SGB-300KVA-480V
Rated Power: 300KVA
Rated Voltage: 480/208 V
Connection Type: Dyn11
Gross Weight: 870 kg
Short Circuit Impedance: 4.01 %
Insulation System: 180 °C Rise 125 K Class F

Phases No.: 3
Rated Fre.: 60Hz
Cooling Method: AN
Max Altitude: 1000m
Series No: LT2502030-01
Insulation Level: AC 3 KV 1MIN

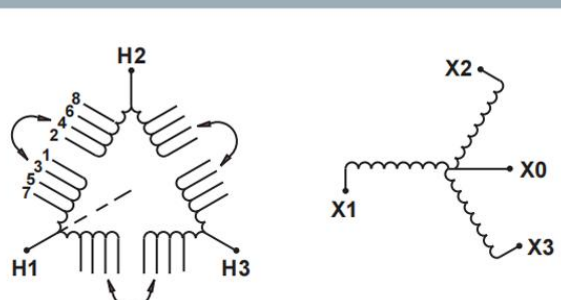
Standard: IEC60076

Tapping	Primary Voltage(V)	Current(A)
0-1	504	
0-2	492	
0-3	480	361
0-4	468	
0-5	456	

Secondary Voltage(V)	Current(A)
208	833

JIANGSU LITEC ELECTRIC Co.,LTD.
www.litec.com.cn

Schematic		Connections					
	% Voltage	Primary Volts				Connect lines to	Inter-connect
	105.0%	218	252	504	630	H1, H2, H3	1
	102.5%	213	246	492	615	H1, H2, H3	2
	100.0%	208	240	480	600	H1, H2, H3	3
	97.5%	203	234	468	585	H1, H2, H3	4
	95.0%	198	228	456	570	H1, H2, H3	5
	92.5%	193	222	444	556	H1, H2, H3	6
	90.0%	188	216	432	542	H1, H2, H3	7
	Secondary Volts			Connect lines to		Inter-connect	
		208	480	X1, X2, X3			
	120	277	X1, X0	X2, X0	X3, X0		

Schematic		Connections				
	% Voltage	Primary Volts			Connect lines to	Inter-connect
	105.0%	218	504	630	H1, H2, H3	1-2
	102.5%	213	492	615	H1, H2, H3	2-3
	100.0%	208	480	600	H1, H2, H3	3-4
	97.5%	203	468	585	H1, H2, H3	4-5
	95.0%	198	456	570	H1, H2, H3	5-6
	92.5%	193	444	556	H1, H2, H3	6-7
	90.0%	188	432	542	H1, H2, H3	7-8
	Secondary Volts			Connect lines to		Inter-connect
		208	480	X1, X2, X3		
	120	277	X1, X0	X2, X0	X3, X0	

600V Delta Primary Volts

480Y/277 Secondary Volts

60 HZ

kVA	Amps at 600V	Dimensions (HxWxD)	Amps at 480 Y 277	Mtg Type W - Wall F - Floor	Weight (lbs)
15	14	28"x21"x14"	18	F or W	210
30	29	32"x27"x17"	36	F or W	310
45	43	32"x27"x17"	54	F or W	380
75	72	39"x29"x20"	90	F or W	520
112.5	108	41"x32"x22"	135	F or W	700
150	144	41"x32"x22"	180	F	850
225	217	52"x41"x27"	271	F	1205
300	289	52"x41"x27"	361	F	1510
500	481	66"x51"x32"	601	F	2750



Schematic		Connections						
	% Voltage	Primary Volts				Connect lines to	Inter-connect	
	105.0%	218	252	504	630	H1, H2, H3	1	
	102.5%	213	246	492	615	H1, H2, H3	2	
	100.0%	208	240	480	600	H1, H2, H3	3	
	97.5%	203	234	468	585	H1, H2, H3	4	
	95.0%	198	228	456	570	H1, H2, H3	5	
	92.5%	193	222	444	556	H1, H2, H3	6	
	90.0%	188	216	432	542	H1, H2, H3	7	
	Secondary Volts			Connect lines to		Inter-connect		
	208 480			X1, X2, X3				
	120 277			X1, X0 X2, X0 X3, X0				

Schematic		Connections					
	% Voltage	Primary Volts			Connect lines to	Inter-connect	
	105.0%	218	504	630	H1, H2, H3	1-2	
	102.5%	213	492	615	H1, H2, H3	2-3	
	100.0%	208	480	600	H1, H2, H3	3-4	
	97.5%	203	468	585	H1, H2, H3	4-5	
	95.0%	198	456	570	H1, H2, H3	5-6	
	92.5%	193	444	556	H1, H2, H3	6-7	
	90.0%	188	432	542	H1, H2, H3	7-8	
	Secondary Volts			Connect lines to		Inter-connect	
	208 480			X1, X2, X3			
	120 277			X1, X0	X2, X0	X3, X0	

kVA	Amps at 480V	Amps at 240V	Amps at 120V	Dimensions (HxWxD)	Amps at 480 Y 277	Mtg Type W - Wall F - Floor	Weight (lbs)
15	31	63	125	27"x23"x24"	18	F or W	170
25	52	104	208	29"x23"x24"	36	F or W	230
37.5	78	156	313	31"x23"x24"	54	F or W	305
50	104	208	417	32"x26"x26"	90	F or W	390
75	156	313	625	36"x29"x28"	135	F or W	500
100	208	417	833	36"x29"x30"	180	F	600
167	348	696	1392	52"x41"x37"	271	F	1050
250	521	1042	2083	66"x51"x31"	361	F	1650
333	694	1388	2775	66"x51"x31"	601	F	1700



Schematic		Connections			
		% Voltage	Primary Volts	Connect lines to	Inter-connect
		105.0%	252	H1, H2	1-H2, 2-H3, H1-H3, H2-H4
		100.0%	240	H1, H2	3-H2, 4-H3, H1-H3, H2-H4
		95.0%	228	H1, H2	5-H2, 6-H3, H1-H3, H2-H4
		90.0%	216	H1, H2	7-H2, 8-H3, H1-H3, H2-H4
		105.0%	504	H1, H4	1-H2, 2-H3, H2-H3
		102.5%	492	H1, H4	3-H2, 2-H3, H2-H3
		100.0%	480	H1, H4	3-H2, 4-H3, H2-H3
		97.5%	468	H1, H4	5-H2, 4-H3, H2-H3
		95.0%	456	H1, H4	5-H2, 6-H3, H2-H3
		Secondary Volts		Connect lines to	Inter-connect
		240		X1, X4	X2-X3
		120		X1, X2	X2-X4, X1-X3
		120/240		X1, X2, X4	X2-X3



kVA	Amps at 208V	Dimensions (HxWxD)	Amps at 380 Y 219	Mtg Type W - Wall F - Floor	Weight (lbs)
15	42	28"x21"x14"	23	F or W	210
30	83	32"x27"x17"	46	F or W	300
45	125	32"x27"x17"	68	F or W	375
75	208	39"x29"x20"	114	F or W	535
112.5	312	41"x32"x22"	171	F or W	715
150	416	41"x32"x22"	228	F	850
225	625	52"x41"x25"	342	F	1365
300	833	52"x41"x36"	456	F	1500
500	1388	66"x51"x41"	760	F	2810



Schematic		Connections										
	% Voltage	Primary Volts								Connect lines to		Inter-connect
	105.0%	218	242	252	437	483	504	604	630	H1, H2, H3		1-2
	102.5%	213	236	246	426	472	492	589	615	H1, H2, H3		2-3
	100.0%	208	230	240	416	460	480	575	600	H1, H2, H3		3-4
	97.5%	203	224	234	406	449	468	561	585	H1, H2, H3		4-5
	95.0%	198	219	228	395	437	456	546	570	H1, H2, H3		5-6
	Secondary Volts								Connect lines to		Inter-connect	
		208	380	416	480	600	X1, X2, X3					
	120	220	240	277	347	X1, X0 X2, X0 X3, X0						



LTEC extend to multiple transformer variants.

MV open dry type transformers

- Up to 3,000 kVA
- Air-insulated
- Insulation class H

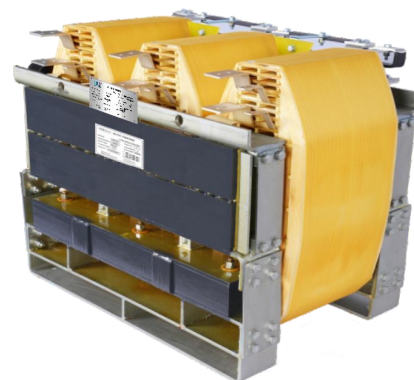
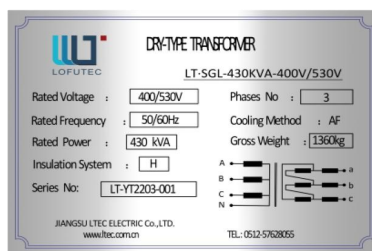


LV dry - type power transformers

- Up to 2,500 kVA
- Tapes on primary or secondary insulation, class H
- Temperature control unit with 3PT100 probes inserted



Transformers for special applications



Dry Type Phase-shifting Rectifier Transformers





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