

JIANGSU DAELIM

JIANGSU DAELIM ELECTRIC CO., LTD.



MULTIPLE STANDARDS

PRODUCTION LINE
CUSTOMIZATION

01

COMPANY PROFILE



DB Transformer, with an Edge



We're Jiangsu Daelim Electric Co. Ltd. We've been dealing with the design, engineering and manufacturing of high quality electric products and equipment for over 15 years.

JIANGSU DAELIM is full of experts and professional, this helps us to solve the customers' problems quickly. Our team had systematic training and is committed to continuous improvement by the quality guidelines and practices. Our business, experience, and technology is built on a foundation of electric product expertise we've built over years. For JIANGSU DAELIM, our mission has always been to meet the customers's needs and win the customers trust by being a trustful partner to them.

Our dedicated customer service, product innovation, engineering excellence and strong social & environmental responsibility sense have made us to become a valued & trusted power solutions partner for global electric industry. What JIANGSU DAELIM does for clients is special, and we want to share this with you.

Multiple standards /
Production line customization

02 /

BRAND STORY

The DAELIM EDGE+ ADVANTAGE is a concept that is at the core of everything we do as DAELIM BELEFIC and it is what allowed us to become the brand we are today.

The DAELIM BELEFIC story is a story about a brand that cares about achieving the best for its client. When we coined the term Electric, with a Belefic Edge we thought how we could bring rockstar electrical products to clients at the highest level. This EDGE is what we all possess here at DAELIM BELEFIC. We bring that edge every time we innovate a product, we bring it when we deliver our product line to clients and we bring it when we deal with our long-term clients who have become partners with us. We're on a path to be the leading electrical transformer manufacturer in the world and we're taking all our clients with us. We're doing this on the back of our DAELIM BELEFIC EDGE+ ADVANTAGE and we want you with us for the ride.



ABOUT US

03

A/ Who Are We?

We're DAELIM BELEFIC. We've been dealing with the design, engineering and manufacturing of high quality electric products and equipment for over 15 years. We're a brand built around a concept called DAELIM EDGE+ ADVANTAGE. A concept in which has allowed us to deliver multiple standards, cutting edge service /speed, and expert level customization skills to our client.

B/ What We Do?

We're an Electric product and equipment manufacturer that leverages our DAELIM EDGE+ Advantadge to win our clients commitments.

C/ Why Work With Us?

THE DAELIM EDGE+ ADVANTADGE

1. Multiple standards ability. The ability to service clients at this level is what makes us special.
2. Service/Speed execution ability. We deliver high level products at lightning speeds.
3. Product line customization ability. Our ability to meet clients growing demands is what allows to win them.

CONTENTS





04



®

DAELIM BELEFIC

Three Phase Pad
Mounted Transformer

YB-PRE Compact Substation
(European box variable)

Sales
Record

Overseas
Project Cases

Three Phase Epoxy-resin
Dry-type Transformer

Single Phase Pad
Mounted Transformer

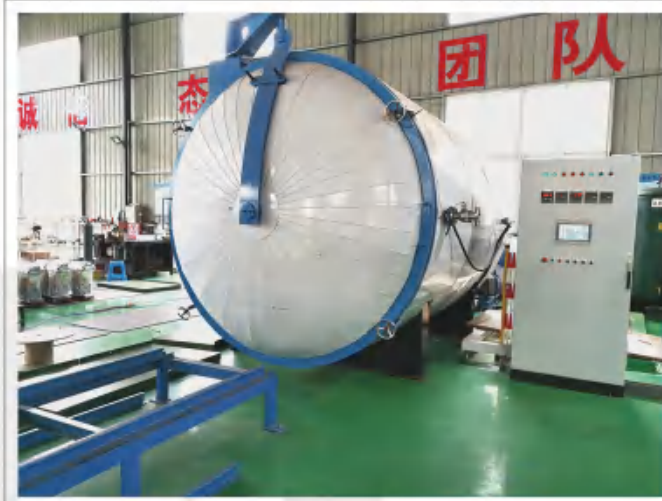
Single Phase
Pole Mounted
Transformer

Enterprise
Service

ENTERPRICE EQUIPMENT



Lighting Impulse Equipment



Transformer Drying Oven



Test Console



Silicon Steel Sheet Shearing Automatic Line

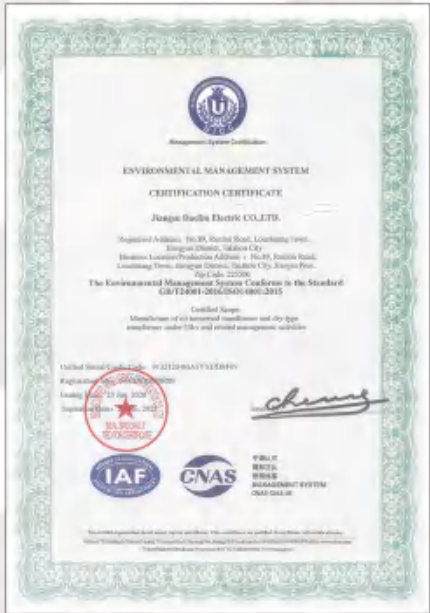


Epoxy Vacuum Pouring Machines

QUALIFICATION HONOR

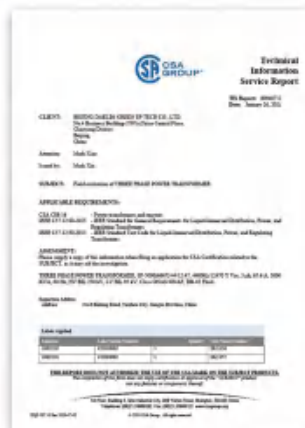
Jiangsu Daelim Electric Co., Ltd mainly produces and manufactures various transformers, power transformers, oil-immersed distribution transformers, amorphous alloy transformers, single-phase/three-phase pad-mounted transformers, dry-type transformers, special transformers, etc. The transformers have passed the certification of many well-known domestic and international testing institutions.





QUALIFICATION REPORT

For many years, our company on the reliable product quality and perfect after-sale service, obtained usercommunities trust and praise. The products have been widely used in power system and among all industries in the process. In the future, Daelim transformer will make persistent efforts to provide better products and services for our esteemed customers.



SALES PARTNER



230kV Power Transformer



General >>

Daelim 230kV high voltage transformer, use analysis software and our company special calculation and validation procedures to the transformer core, winding, implement body, lead, fuel tanks, etc. Parts of the optimal design and carry on the omni directional validation, ensure product performance, Superior process equipment, elaborate material selecting and efficient manufacturing, making the transformer has small volume, light weight, low loss, low partial discharge, low noise characteristics, the product quality is superior, energy conservation and environmental protection, easy installation and maintenance, reliable operation and effectively reduced products running costs.

Technical Data Sheet >>

Technical Data for 230KV Class Three Phase Two Winding OLTC Power Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(KW)		No load Current (%)
					No-load Loss (KW)	On-load Loss (KW)	
30000	230	6.3	YNd11	12	30	128	0.69
37500		6.6			36	149	0.63
50000		10.5			43	180	0.63
60000		11			50	209	0.57
		34.5					
		66					

Note: The above data is only subject to our standard design, special requirement can be customized.

Technical Data for 230KV Class Three Phase Two Winding NLTC Power Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(KW)		No load Current (%)
					No-load Loss (KW)	On-load Loss (KW)	
30000	230	6.3	YNd11	12	28	128	0.7
37500		6.6			33	149	0.7
50000		10.5			39	180	0.65
60000		11			46	209	0.65
		34.5					
		66					

Note: The above data is only subject to our standard design, special requirement can be customized.

115kV 69kV Power Transformer



General >>

115kV and 69kV power transformers are designed and optimized by absorbing and utilizing advanced technologies at home and abroad to optimize the transformer core, coil, body, leads, fuel tank and other components, which features low partial discharge, low loss, low noise, light weight and high reliability. Its excellent performance has won high praise from users and relevant experts. This product has the characteristics of stability, economy and environmental protection, and is suitable for power plants, substations, large industrial and mineralization enterprises, etc.

Technical Data Sheet >>

Technical Data for 115KV Class Three Phase Two Winding OLTC Power Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(KW)		No load Current (%)
					No-load Loss (KW)	On-load Loss (KW)	
10000	115 138 161	6.3 6.6 10.5 11	YNd11	10.5	11.8	51.2	0.82
12000					13.7	59.5	0.82
15000					16.3	73.1	0.76
20000					19.5	88.4	0.76
25000					22.7	105	0.69
30000					27.4	126	0.69
37500					32.9	148	0.63
50000					38.9	184	0.63
60000					46.4	221	0.57

Note: The above data is only subject to our standard design, special requirement can be customized.

Technical Data for 115KV Class Three Phase Two Winding NLTC Power Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(KW)		No load Current (%)
					No-load Loss (KW)	On-load Loss (KW)	
10000	115 138 161	6.3 6.6 10.5 11	YNd11	10.5	10.5	50.2	0.64
12000					12.4	59.5	0.64
15000					15	73.1	0.59
20000					17.8	88.4	0.59
25000					21	105	0.54
30000					25	126	0.54
37500					29.9	148	0.56
50000					35.3	178.5	0.52
60000					41.9	221	0.48

Note: The above data is only subject to our standard design, special requirement can be customized.

Technical Data for 69KV Class Three Phase Two Winding OLTC Power Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(KW)		No load Current (%)
					No-load Loss (KW)	On-load Loss (KW)	
10000	69	6.3	YNd11	9	11.6	47.6	0.75
12000					13.6	56.5	0.53
15000					16.3	69.5	0.49
20000					19.2	84.2	0.49
25000					22.6	99.5	0.42
30000					26.8	120	0.42
37500					31.9	140.3	0.39
50000					38.6	174.3	0.39
60000					44.4	210	0.39

Note: The above data is only subject to our standard design, special requirement can be customized.

Technical Data for 69KV Class Three Phase Two Winding NLTC Power Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(KW)		No load Current (%)
					No-load Loss (KW)	On-load Loss (KW)	
10000	69	6.3	YNd11	9	12.1	47.6	0.75
12000					12.6	56.5	0.53
15000					15.1	69.5	0.49
20000					17.9	84.2	0.49
25000					21.1	99.5	0.42
30000					25.1	120	0.42
37500					30	140.3	0.39
50000					35.4	174.3	0.39
60000					42.1	210	0.39

Note: The above data is only subject to our standard design, special requirement can be customized.



Three Phase Oil-Immersed Distribution Transformer



35kV,20kV,10kV, class three phase oil immersed distribution transformers comply with the standard of ANSI/IEEE, IEC60076, GB1097 (Power transformer) and GB/T6451 (Technical parameter and requirements for three phase oil-immersed power transformer) , both no-load loss and on-load loss are much lower, good quality C.R.G.O. core type, high-quality oxygen-free copper coil, good appearance, safe operation, widely used over the country.

Technical Data for 35KV,20KV,10KV Class Three Phase Oil-Immersed Distribution Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(W)		No load Current (%)
					No-load Loss (W)	On-load Loss (W)	
800	10 20 35 38.5 44 46 or others	6.3 6.6 10 10.5 12.47 13.8	YNd11 Dyn11	6.5 7 7.5 8	980	9350	1.05
1000					1160	11500	1
1250					1380	13900	0.9
1600					1660	16600	0.85
2000					2030	18300	0.75
2500					2450	19600	0.75
3150					3010	23000	0.7
4000					3610	27200	0.7
5000					4270	31200	0.6
6300					5110	34900	0.6
8000					7000	38300	0.55
10000					8260	45100	0.55
12500					10800	53600	0.5
16000					11900	65500	0.5
20000					14100	79100	0.5
25000					16730	93500	0.4
31500					20000	112200	0.4

Note: The above data is only subject to our standard design, special requirement can be customized.

Three-Phase Oil-Immersed Small Substation Transformer



General



Three-phase oil-immersed small substation transformer is designed to use in the power distribution system. A substation is a component of a system that generates, transmits, and distributes electricity. Substations convert high to low voltage – or vice versa – and conduct a variety of other critical duties. Electricity may travel through many substations at varying voltage levels between the generating station and the customer. Substation transformers may be used in a substation to convert voltage levels between high transmission and low distribution voltages or to connect two separate transmission voltages.

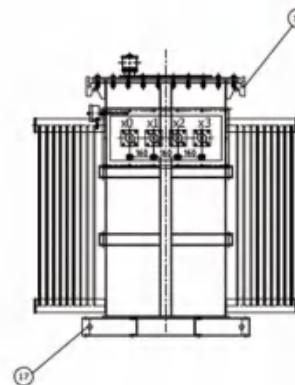
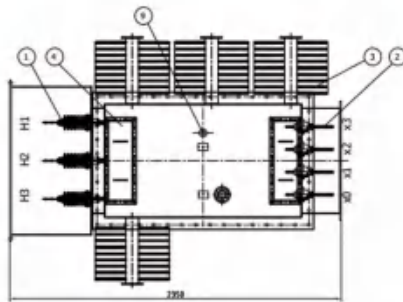
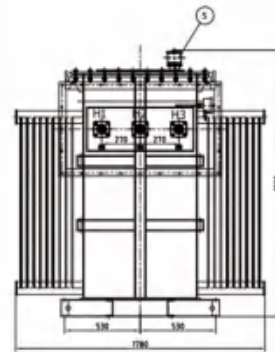
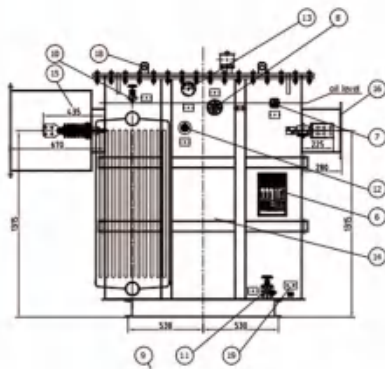
Standard Features >>

- Insulating mineral oil
- 60/50 Hertz operation
- Externally operated de-energized tap changer with (2) 2.5% full capacity taps above and below nominal
- 65°C average winding rise
- HV and LV bushings
- HV and LV flange connections
- Pressure-vacuum gauge
- Liquid level gauge
- Liquid temperature gauge
- Pressure test valve
- Drain / filter valve with sampling device
- Tank lifting lugs
- Corrosion resistant nameplate
- Hydran provision (above 7.5 MVA)

Optional Accessories >>

- | | |
|--|---|
| ■ High-fire point fluid, such as silicone, hydrocarbon or vegetable fluids. (up to 10 MVA) | ■ Neutral grounding resistor |
| ■ 55° C 55/65° C average winding rise | ■ Special impedances |
| ■ Forced air cooling | ■ Low losses |
| ■ Forced air cooling with 2 stages
(from 7.5 MVA and up to 15 MVA) | ■ Special environment (i.e: classified areas) |
| ■ Removable radiators | ■ Special / low sound level |
| ■ Pressure relief device | ■ Retrofit to specific dimensions |
| ■ Winding temperature device | ■ Non-standard loading conditions such as
harmonic loading or specified K-factor |
| ■ Sudden pressure relay with or without seal in | ■ Stainless steel removable radiators |
| ■ Devices with alarm contacts | ■ Galvanized steel removable radiators |
| ■ Top filter press valve | ■ Special paint for marine ambient |
| ■ HV & LV air terminal compartments | ■ Special paint thickness |
| ■ HV lightning arresters | ■ Special colors |
| ■ Current transformers | ■ CSA compliance |
| | ■ Other special features upon request |

Standard Design



No.	Name	No.	Name
1	HV BUSHING	11	1"DRAIN VALVE WITH 3/8" SAMPLER
2	LV BUSHING	12	TAP CHANGER
3	RADIATORS	13	VACUUM PRESSURE GUAGE
4	HANDHOLE	14	LIFTING HOOK FOR COMPLETE TRANSFORMER
5	PRESSURE RELIEF DEVICE	15	CABLE CONNECTION BOX,H.V
6	NAME PLATE	16	THROAT FLANGE,L.V
7	LIQUID LEVEL INDICATOR	17	BASE WELDED TO TANK
8	LIQUID TEMPERATURE INDICATOR	18	LIFTING EYE FOR ACTIVE PART WITH TANK COVER
9	POCKET	19	GROUND PAD ON TANK WALL
10	1" UPPER FILL VALVE		

Technical Data for 15/25/35KV Class Three Phase Oil-Immersed Substation Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(W)		Reference Dimension (W*H*D)mm	Reference Weight (KG)
					No-load Loss(W)	On-load Loss(W)		
800	4.16		Dyn1 YNyn0 Dyn11 Dd0 YNd11 or others	2.7 3.1 4.35 5.75 6.0	980	9350	1060*1500*1780	2050
1000	12.00	208/120			1160	11500	1085*1570*1800	2450
1250	12.47	415/240			1380	13900	1160*1610*1890	2900
1600	13.2	480/277			1660	16600	1190*1630*1950	3400
2000	13.8	400			2030	18300	1260*1700*2090	4100
2500	14.4	600			2450	19600	1150*2150*2250	4750
3000	23.0	12000			3240	26500	1900*2600*2150	6500
5000	24.94	12470			4500	27000	2500*2210*3180	9500
7500	34.5	13200			7200	32000	3660*3100*5100	13600
10000	34.8	13800			8500	35500	3830*2640*2216	15800
	44 or others	or others						

Note: The above data is only subject to our standard design, special requirement can be customized.

Three Phase Epoxy-resin Dry-type Transformer



Three-phase Epoxy-resin Dry-type Transformers are in conformity with standard of IEC60076, GB6450, GB/T10228-1997, with features of low loss, compact and light weight, low noise level, damp-proof, high mechanical strength, flame resisting, strong overload ability and low partial discharge quality. They are applicable to power transmission and distribution system, especially to heavy load centers and places with special fire protection requirements.

Technical Data for 35KV Class Three Phase Epoxy-resin Dry-type Transformer

Rated Power (KVA)	High Voltage (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(W)		No load Current (%)
					No-load Loss (W)	On-load Loss (W)	
50	35 38.5 or others	0.4	Dyn11 YNyn0	6	500	1500	2.8
100					700	2200	2.4
160					880	2960	1.8
200					980	3500	1.8
250					1100	4000	1.6
315					1310	4750	1.6
400					1530	5700	1.4
500					1800	7000	1.2
630					2070	8100	1.2
800					2400	9600	1.2
1000					2700	11000	1.0
1250					3150	13400	0.9
1600					3600	16300	0.9
2000					4250	19200	0.9
2500					4950	23000	0.9

Note: The above data is only subject to our standard design, special requirement can be customized.

Technical Data for 20KV Class Three Phase Epoxy-resin Dry-type Transformer

Rated Power (KVA)	High Voltage (KVA)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(W)		No load Current (%)
					No-load Loss (W)	On-load Loss (W)	
50	20	0.4	Dyn11 YNyn0	6	380	1300	2.4
100					600	2100	2.2
160					750	2600	1.8
200					820	3100	1.8
250					940	3600	1.6
315					1080	4300	1.6
400					1280	5100	1.4
500					1500	6100	1.4
630					1700	7200	1.2
800					1950	8700	1.2
1000					2300	10300	1.0
1250					2650	12150	1
1600					3100	14600	1
2000					3600	17250	0.8
2500					4300	20400	0.8

Note: The above data is only subject to our standard design, special requirement can be customized.

Technical Data for 10KV Class Three Phase Epoxy-resin Dry-type Transformer

Rated Power (KVA)	High Voltage (KVA)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(W)		No load Current (%)
					No-load Loss (W)	On-load Loss (W)	
50	6 6.3 6.6 10 10.5 11 13.2 or others	0.4	Dyn11 YNyn0	4 6	270	990	2
100					400	1570	1.8
160					540	2120	1.4
200					620	2520	1.4
250					720	2750	1.4
315					880	3460	1.2
400					970	3980	1.2
500					1160	4880	1.2
630					1340	5870	1
800					1520	6950	1
1000					1760	8120	0.8
1250					2090	9690	0.8
1600					2450	11730	0.8
2000					3320	14450	0.6
2500					4000	17170	0.6

Note: The above data is only subject to our standard design, special requirement can be customized.

Three Phase Pad Mounted Transformer

01

Liquid-Filled Radial Feed Pad Mounted Transformer



General



Liquid-Filled Radial Feed Pad Mounted Transformer is an oil-filled, three-phase, commercial pad mounted distribution transformer specifically designed for servicing such underground distribution loads as shopping centers, schools, institutions and industrial plants. It is available in both live front and dead front construction, for radial feed applications, with or without taps. The transformer uses aluminum or copper winding and is optimized to maximize efficiency and footprint. It has many advantages: such as high voltage, no drifting of neutral point, low loss, small volume, cost-effective, safety and environment protection, attractive appearance and etc. Our Liquid-Filled Radial Feed Pad Mounted Transformer is designed and tested in accordance with industry standards including CSA, ANSI C.57, DOE, and IEEE as applicable.

Standard Features



- Mild steel, optional stainless steel tank
- Three-point latching door for security
- Removable sill for easy installation
- Stainless steel cabinet hinges and mounting studs
- Bolted-on cabinet with removable sill having the following depths :
 - / 19" deep for 300kVA through 750 kVA
 - / 22" deep for 1000kVA through 1500kVA
 - / 24" deep for 2000 kVA through 3750kVA
 - / 30" deep for 5000 Kva through 7500kVA
- For live front construction, externally clamped high voltage porcelain bushings with a single eyebolt, clamp-type connector (accommodates #6 AWG solid to 250 MCM stranded conductors).
- For dead front construction, externally clamped high voltage bushing wells for loadbreak or non-loadbreak inserts.
- HV and LV compartment doors-hinged and lift-off type with 120° holding bars
- Steel HV/LV compartment barrier
- Padlocking facility with one penta-head bolt on the LV compartment door and two penta-head bolts on the HV compartment door-including 3 point latching mechanism
- HV connection:
 - / Live front-external clamped and removable HV bushings with eyebolt, clamp type connector
- LV connection:
 - / Externally clamped polymer & porcelain LV bushing with 4-12 Hole spades
- Oil drain plug for 500 kVA and below
- 1" drain valve with sampler for 750 kVA and above
- Oil fill plug
- Five-legged core/coil assembly
- Removable LV neutral ground strap; as required
- Nameplate per ANSI requirement
- Self-actuating pressure relief valve
- Lifting lugs (4)



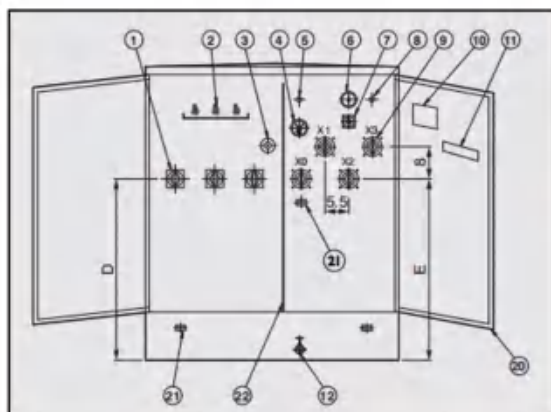
Optional Accessories



- Oil level gauge
- Liquid temperature gauge
- Pressure vacuum gauge
- Welded cover with handhole
- Oil drain valve with or without sampler
- Mechanical pressure relief device mounted on tank cover
- Primary termination:
 - Externally clamped bushing wells with loadbreak inserts
 - Integral loadbreak or non-loadbreak bushings
- Secondary termination:
 - Externally clamped bushings with NEMA 4-hole, 6-hole, 8-hole, 10-hole or 12-hole spades
 - Spade supports are available. They are provided for 8-hole spades and larger
- Primary Switching:
 - LBOR oil switch: one for radial feed
 - Externally operated de-energized tap changer
 - Externally operated dual voltage switch
 - Externally operated Δ -Y switch
 - 2-position loadbreak oil switches
 - 4-position T or V blade sectionalizing loop switches
- Overvoltage Protection:
 - Distribution class, metal oxide arresters, 3-36 kV
 - Distribution class, valve-type lightning arresters, 3-27 kV
- Over-current protection:
 - Bayonet-type expulsion fuses with plastic drip cup mounted on each bayonet fuse
 - Weak link cartridge fuses
 - Bayonet type in series with internal partial-range current limiting fuses
 - Secondary under oil circuit breaker
- Additional construction options:

<ul style="list-style-type: none"> ○ Stainless steel tank and cabinet design ○ Partial stainless steel design (cabinet sill and tank bottom) ○ 30" or 34" or 40" deep cabinet ○ CT's or PT's, including mounting support ○ LV externally mounted molded case breaker 	<ul style="list-style-type: none"> ○ Externally mounted kWh meter ○ Flip-top cabinet for low profile design ○ Additional externally mounted nameplate ○ Different paint color per requirement
---	---
- Weathercover:
 - Transformers may feature an optional weathercover over the cabinet which is hinged to allow clearance for replacement of the bayonet-type fuses
 - The weathercover can be lifted easily into place and secured with a single supporting arm
 - The weathercover requires no additional holddown hardware

Standard Design



NO.	NAME	NO.	NAME
1	HV BUSHING	12	DRAIN VALVE WITH SAMPLER
2	BAY-O-NET FUSE	13	PAD LOCKABLE DOOR HANDLE
3	TAP CHANGER	14	LIFTING LUGS
4	DIAL TYPE THERMOMETER	15	HAND HOLE & SECURITY COVER
5	I IN FILL PIUG	16	TANK
6	PRESSURE VACUUM GAUGE	17	COOLING RADIATORS
7	LIQUID LEVEL GAUGE	18	JACKING PAD
8	PRESSURE RELIEF VALVE	19	JACKING PROVISIONS
9	LV BUSHING	20	DOOR
10	NAME PLATE	21	2 HOLE HORIZ NEME GRD PAD
11	SERIAL NO	22	METAL LV-HV BARRIER

Technical Data for Liquid-Filled Radial Feed Pad Mounted Transformer

Rated Power (KVA)	High Voltage (V)	Low Voltage (V)	Loss(W)		Dimension(mm)			Weight(KG)	
			No-load Loss (W)	On-load Loss (W)	W	D	H	Oil Weight	Total Weight
75	34500/ 19920 13800/ 7967 13200/ 7620 12470/ 7200 or others	240 480 480Y/ 277 600Y/ 347	180	1250	1390	910	1430	120	645
112.5			200	1500	1420	920	1430	138	729
150			280	2200	1510	980	1530	201	989
225			400	3050	1600	1000	1660	230	1195
300			480	3650	1660	1080	1680	260	1415
500			680	5100	1810	1160	1790	325	1905
750			980	7500	2030	1300	2030	535	2755
1000			1150	10300	1651	1549	1854	650	3235
1500			1640	14500	2210	1470	2150	748	5835
2000			2160	20645	2380	1600	2220	950	6430
2500			2680	27786	2480	1650	2330	1020	8865

Note: The above data is only subject to our standard design, special requirement can be customized.

02

Liquid-Filled Loop Feed Pad Mounted Transformer



General



The Liquid-Filled Loop Feed Pad Mounted Transformer is an oil-filled, three-phase, commercial pad mounted distribution transformer specifically designed for servicing such underground distribution loads as shopping centers, schools, institutions and industrial plants. It is available in both live front and dead front construction, for loop feed applications, with or without taps. The transformer uses aluminum or copper winding and is optimized to maximize efficiency and footprint. It has many advantages: such as high voltage, no drifting of neutral point, low loss, small volume, cost-effective, safety and environment protection, attractive appearance and etc.

Our Liquid-Filled Loop Feed Pad Mounted Transformer is designed and tested in accordance with industry standards including CSA, ANSI C.57, DOE, and IEEE as applicable.

Standard Features



- Mild steel, optional stainless steel tank
- Three-point latching door for security
- Removable sill for easy installation
- Stainless steel cabinet hinges and mounting studs
- Bolted-on cabinet with removable sill having the following depths :
 - / 19" deep for 300kVA through 750 kVA
 - / 22" deep for 1000kVA through 1500kVA
 - / 24" deep for 2000 kVA through 3750kVA
 - / 30" deep for 5000 Kva through 7500kVA
- For live front construction, externally clamped high voltage porcelain bushings with a single eyebolt, clamp-type connector (accommodates #6 AWG solid to 250 MCM stranded conductors).
- For dead front construction, externally clamped high voltage bushing wells for loadbreak or non-loadbreak inserts.
- HV and LV compartment doors-hinged and lift-off type with 120° holding bars
- Steel HV/LV compartment barrier
- Padlocking facility with one penta-head bolt on the LV compartment door and two penta-head bolts on the HV compartment door-including 3 point latching mechanism
- HV connection:
 - / Live front-external clamped and removable HV bushings with eyebolt, clamp type connector
- LV connection:
 - / Externally clamped polymer & porcelain LV bushing with 4-12 Hole spades
- Oil drain plug for 500 kVA and below
- 1" drain valve with sampler for 750 kVA and above
- Oil fill plug
- Five-legged core/coil assembly
- Removable LV neutral ground strap; as required
- Nameplate per ANSI requirement
- Self-actuating pressure relief valve
- Lifting lugs (4)



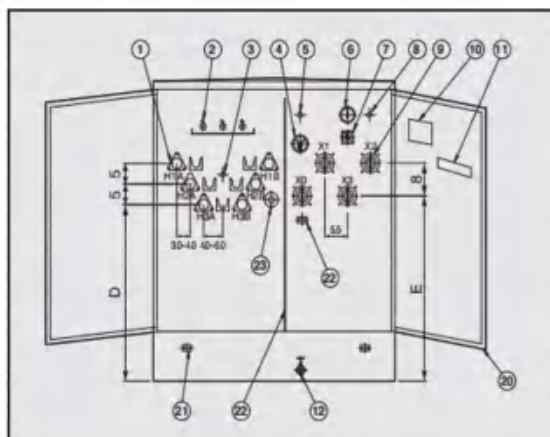
Optional Accessories



- Oil level gauge
- Liquid temperature gauge
- Pressure vacuum gauge
- Welded cover with handhole
- Oil drain valve with or without sampler
- Mechanical pressure relief device mounted on tank cover
- Primary termination:
 - Externally clamped bushing wells with loadbreak inserts
 - Integral loadbreak or non-loadbreak bushings
- Secondary termination:
 - Externally clamped bushings with NEMA 4-hole, 6-hole, 8-hole, 10-hole or 12-hole spades
 - Spade supports are available. They are provided for 8-hole spades and larger
- Primary Switching:
 - LBOR oil switch: two for loop feed.
 - Externally operated de-energized tap changer
 - Externally operated dual voltage switch
 - Externally operated Δ -Y switch
 - 2-position loadbreak oil switches
 - 4-position T or V blade sectionalizing loop switches
- Overvoltage Protection:
 - Distribution class, metal oxide arresters, 3-36 kV
 - Distribution class, valve-type lightning arresters, 3-27 kV
- Over-current protection:
 - Bayonet-type expulsion fuses with plastic drip cup mounted on each bayonet fuse
 - Weak link cartridge fuses
 - Bayonet type in series with internal partial-range current limiting fuses
 - Secondary under oil circuit breaker
- Additional construction options:

<ul style="list-style-type: none"> ○ Stainless steel tank and cabinet design ○ Partial stainless steel design (cabinet sill and tank bottom) ○ 30" or 34" or 40" deep cabinet ○ CT's or PT's, including mounting support ○ LV externally mounted molded case breaker 	<ul style="list-style-type: none"> ○ Externally mounted kWh meter ○ Flip-top cabinet for low profile design ○ Additional externally mounted nameplate ○ Different paint color per requirement
---	---
- Weathercover:
 - Transformers may feature an optional weathercover over the cabinet which is hinged to allow clearance for replacement of the bayonet-type fuses
 - The weathercover can be lifted easily into place and secured with a single supporting arm
 - The weathercover requires no additional holddown hardware

Standard Design



NO.	NAME	NO.	NAME
1	HV BUSHING WEKKS ONLY	13	PAD LOCKABLE DOOR HANDLE
2	BAY-O-NET FUSE	14	LIFTING LUGS
3	4-POSITION T-BLADE S/W	15	HAND HOLE & SECURITY COVER
4	DIAL TYPE THERMOMETER	16	TANK
5	I IN FILL PIUG	17	COOLING RADIATORS
6	PRESSURE VACUUM GAUGE	18	JACKING PAD
7	LIQUID LEVEL GAUGE	19	JACKING PROVISIONS
8	PRESSURE RELIEF VALVE	20	DOOR
9	LV BUSHING	21	METAL LV-HV BARRIER
10	NAME PLATE	22	2 HOLE HORIZ NEME GRD PAD
11	SERIAL NO	23	TAP CHANGER
12	I IN DRAIN VALVE WITH SAMPLER		

Technical Data for Liquid-Filled Loop Feed Pad Mounted Transformer

Rated Power (KVA)	High Voltage (V)	Low Voltage (V)	Loss(W)		Dimension(mm)			Weight(KG)	
			No-load Loss (W)	On-load Loss (W)	W	D	H	Oil Weight	Total Weight
75	34500/ 19920 13800/ 7967 13200/ 7620 12470/ 7200 or others	240 480 480Y/ 277 600Y/ 347	180	1250	1390	910	1430	120	645
112.5			200	1500	1420	920	1430	138	729
150			280	2200	1510	980	1530	201	989
225			400	3050	1600	1000	1660	230	1195
300			480	3650	1660	1080	1680	260	1415
500			680	5100	1810	1160	1790	325	1905
750			980	7500	2030	1300	2030	535	2755
1000			1150	10300	1651	1549	1854	650	3235
1500			1640	14500	2210	1470	2150	748	5835
2000			2160	20645	2380	1600	2220	950	6430
2500			2680	27786	2480	1650	2330	1020	8865

Note: The above data is only subject to our standard design, special requirement can be customized.



The single phase pad mounted transformer of JIANGSU DAELIM is designed to improve performance in terms of kVA rating, compact dimensions, lighter weight, safety, and sustainability. No distribution room, can be directly placed in the indoor or outdoor, can also be placed in the streets and the greenbelt and reliably ensure personal safety, both power supply facilities, but also decorate the environment. Widely used in residential areas, commercial centers, stations, airports, factories, businesses, hospitals, schools and other places. It is low-profile, compartment-type transformer, which supply suitable for mounting outdoors on pads without additional protective enclosures, and meet the following standard: IEC60076, ANSI/IEEE C57.12.00, C57.12.20, C57.12.38, C57.12.90 and etc.

Standard Features



- Quality System ISO 9001 certified
- Meet or exceeds ANSI/IEEE and NEMA standards
- Tank coating exceeds IEEE Std C57.12.28™–2005 and IEEE Std C57.12.29™–2005 standards (stainless steel units only)
- Full compliance with IEEE Std C57.12.28™–2005 standard enclosure integrity requirements
- Automatic pressure relief device
- Fluid fill and drain provisions
- Laser engraved nameplate
- Floating lock pocket for easy alignment
- Decal bushing designations
- Welded domed tank cover
- Tamper strips of noncorrosive material
- Crowned tank
- Removable sill
- Recessed stainless steel lifting provisions
- Hinged door with stainless steel hinge pins and barrels
- Ground strap from X2 to tank ground
- HV bushing wells for dead front elbow connectors

Technical Data for Single Phase Pad Mounted Distribution Transformer

Rated Power (KVA)	High Voltage (V)	Low Voltage (V)	Loss(W)		Dimension(mm)			Weight(KG)	
			No-load Loss (W)	On-load Loss (W)	W	D	H	Oil Weight	Total Weight
15	34500/ 19920 13800/ 7967 13200/ 7620 12470/ 7200 or others	120-240	50	195	610	740	840	45	294
25			80	290	610	740	840	68	362
37.5			105	360	610	760	840	75	476
50		240-480	135	500	610	810	840	93	553
75			190	650	610	860	840	132	672
100			210	850	740	940	910	141	742
167			350	1410	760	1190	910	207	952

Note: The above data is only subject to our standard design, special requirement can be customized.

YB-PRE Compact Substation (European box variable)



General



YB type compact substations and says Europe type box change, GB17467- 1998 product conforms to the high and low voltage substation and IEC1330 preinstalld type, such as a new standard for power distribution equipment, it than conventional civil substation has many advantages. Because of its small volume, cover an area of an area small, compact structure, easy to move, thus greatly shorten the construction period and covers an area of, also reduced the infrastructure expenses Meanwhile, the box-type convering stations on site installation is simple, rapid, equipment maintenance simple power substation, without special, especially it can further load centers, to improve the quality of power supply reduce power loss, enhance the reliability and power of distribution network re- election are important Complete electricity transformation change box, the distribution, transmission, measurement, compensation, system control, protection and communications functions.

By high-voltage switchgear YB engineering-type substation, low-voltage distribution screen, distribution transformer and shell with a combination of four sections, high-pressure air load switch, transformer for dry type transformer or oil-immersed transformer Cabinet adopted good insulation ventilation structure, appearance beautiful generous, heat insulation performance is good, and the upper body sets, outdoor ventilated for every shot ducts and high or low voltage transformer room temperature can reduce the room caused to a minimum.

Application Scope >>

Applicable to below 35KV voltage, etc, the main transformer capacity 5000KVA and below small substations, widely used in substation halting city industry substation, consumers 10KV ring net system, rural 35KV substation and so on.

Main Features >>

Will the primary and secondary equipment installed a portable sealed, temperature control, anticorrosive moistureproof antirust the cabinet, arriving at the just installed in cement basis. Has less investment, construction period is short, covers an area of less, easy and harmonious environment etc. Characteristics.

Technical Data for YB Pre-installed Substation

Item		Unit	Data
HV	Rated Frequency	Hz	50
	Rated Voltage	KV	6 10 35
	Max Working	KV	6.9 11.5 40.5
	Industrial Requency Voltage-resisting	KV	32/36 42/48 95/118
	Time/isolation Ballistic Voltage-resisting		
	Thunderand Lighting Ballistic	KV	60/70 75/85 185/215
	Voltage-resisting Time/iaolation Sectional Port		
	Rated Current	A	400 630
	Rated Brief – period Current-resisting	KA	12.5(2s) 16(2s) 20(2s)
	Rated Crest Value Current-resisting	KA	32.5 40 50
LV	Rated Voltage	V	380 220
	Rated Current Of Major Return Circuit	A	100–3200
	Rated short-circuit Current-resisting	KA	15 30 50
	Rated Crest Value Current-resisting	KA	30 63 110
	Branch Circuit	A	10–800
	Quantity Of Branch		1--12
	Compensation Circuit	KVAR	0–360
Transf orming	Rated Capacity	%	4 6
	Short- circuit Impedance	1640	748±2x2.5%± 5%
	Scope Of Branch Connection	2160	950
	Vector Group	2680	Yyn0 Dyn11

Single Phase Pole Mounted Transformer



General



The Single phase distribution transformer may be used alone for the supply of a single phase load or as one of three units in a bank for the supply of a three phase load. The unit may be direct-mounted to a wooden or concrete pole, or cluster mounted on a pole for three phase use. The transformers are designed for servicing residential overhead distribution loads. They are also suitable for light commercial loads, industrial lighting and diversified power applications.

Conventional Type



The transformer is cylinder sealing structure. Each one is fixed with grounding devices, hooks, supporting lugs which conforms to ANSI standard, and one or two high voltage bushing on the cover, low voltage bushing on the wall of the tank and eyebolt, connecting terminals. The tap changer should be adjusted basing on the instruction after the power off.

CSP Type



This type of transformer is CSP type, which can protect itself from thunder and lightning, short circuit and protect the transiting and distribution line from current failure because of self-malfunction. Except from some similarities such as cylinder tank, hooks, lifting lugs, grounding devices, nameplates, core and winding with the conventional type. This type of transformer has characteristics and devices as follows: One or two high voltage bushings are on the cover with fuse.

One or two arresters are installed on the wall of the tank, whose top end is near to the high voltage bushing, and connected to the bushing by a copper strip. One secondary breaker switch is above the winding inside the tank, and here are operating handle, overload reset and signal light. Low voltage bushing is educed from the wall of the tank, grounding device is fixed to position X2. One end of the single bushing leads out through the high voltage bushing, the other end is ground connection. All units are built in accordance with IEC60076, ANSI/IEEE57.12.20, CSA C2.1-06, CSA C2.2-06 and etc.

Technical Data for Single-Phase Pole Mounted Distribution Transformer

Rated Power (KVA)	High Voltage (V)	Low Voltage (V)	Loss(W)		Dimension(mm)			Weight(KG)	
			No-load Loss (W)	On-load Loss (W)	W	D	H	Oil Weight	Total Weight
10	34500/	120-240 240-480 347 600	36	120	500	525	885	22	150
15	19920		50	195	520	565	905	30	210
25	13800/		80	290	560	590	935	45	258
37.5	7967		105	360	610	625	935	50	340
50	13200/		135	500	635	675	1035	62	395
75	7620		190	650	745	840	1035	88	480
100	12470/		210	850	770	965	1135	94	530
167	7200 or others		350	1410	795	890	1335	138	680

Note: The above data is only subject to our standard design, special requirement can be customized.

Sales Record

Jiangsu Daelim Electric Co., Ltd always keeps in mind that "People First, Science and Technology for Development, Quality for Market and Brand name Benefit " is the key words of one company; strict adherence to the business philosophy of honest and trustworthy" ; actively develop the brand of enterprise development strategy in order to create first- class well-known enterprises supplying the high quality products and good service. Through the unremitting efforts of all the company, Daelim is achieving steady development.

	2020 (USD)	2021 (USD)	2022 (USD)
Sales Revenue (USD)	50,500,000.00	62,500,000.00	75,500,000.00

Our products are exported to various countries in Asia, America, Europe, Africa and Oceania, gradually realizing brand globalization. The following are the main markets and sales proportions of Daelim Electric in the past two years.

2021		2022	
Area	%	Area	%
America	60	America	70
Australia	15	Australia	10
Asia	10	Asia	10
Europe	5	Europe	5
Other	10	Other	5

Enterprise Service

Jiangsu Daelim Electric Co., Ltd always keeps in mind that "People First, Science and Technology for Development, Quality for Market and Brand Name Benefit" are the key words of one company; strict adherence to the business philosophy of honest and trustworthiness"; actively develop the brand of enterprise development strategy in order to create first-class well-known enterprises supplying the high quality products and good after-sales service.

Thanks for using the products of Jiangsu Daelim Electric Co.,Ltd, our company commits to product quality after-sales service as follows for you relying on our products :

1

All products of Jiangsu Daelim Electric Co., Ltd. are produced in strict accordance with international and related industry standards. The product quality implements "three guarantees" free of charge for one year.

2

Jiangsu Daelim Electric Co, Ltd. will evaluate and correspondingly repair and replace the products according to the actual situation if there is any performance and technical problems of the transformer that caused by product factors. For problems caused by other reasons, our company will actively assist customers to solve their difficulties, ensure that the products are put into operation in time, and minimize losses.

3

For the sold products, Jiangsu Daelim Electric Co.,Ltd will actively cooperate with the customer site operation and maintenance management to improve the quality of the transformer and provide the cost price of spare parts according to the the need of the customers' needs.

4

Jiangsu Daelim Electric Co.,Ltd take Quality First, User Paramountcy as tense, such as the quality problems occur the company will rush to the scene at the fastest time.

5

This letter of commitment will take effect after being stamped with the seal of Jiangsu Daelim Electric Co., Ltd.

Overseas Project Cases



Furnace Transformer operating
in Chemistry Factory, Mexico



IEEE Standard 110KV Power
Transformer in Solar Plant, Honduras



Power Transformer operating
in Power Substation, Australia



69KV Power Transformer
in Power Substation, Ecuador



69KV Mobile Substation operating in Ecuador



Three Phase Pad Mounted Transformer
in Bitcoin Project ,Texas in USA



Single Phase Pole Mounted
Transformer operating in Canada



230KV Class Power Transformer, USA



20MVA 25KV Substation Transformer, USA



Single Phase Pad/Pole Mounted Transformer in Utility Project, USA



Quality
ISO 9001



Environment
ISO 14001



Health&Safety
ISO 45001



SERVICES TEL : +86-10-65003129 0523-88698088

F A X : +86-10-65001719

MOBILE TEL : +86-17600626876

E M A I L : SERVICE@DAELIM-ELECTRIC.COM

W E B S I T E : WWW.DAELIMBELEFIC.COM

A D D :

BEIJING OFFICE :

1101G, F11, BLOCK C, ORIENTAL MEDIA CENTER, BUILDING 3, YARD 4, GUANGHUA ROAD, CHAOYANG DISTRICT,
BEIJING, CHINA

JIANGSU FACTORY :

169 XINLOU ROAD, QUTANG TOWN, HAI'AN CITY, NANTONG CITY, JIANGSU PROVINCE