

JIANGSU DAELIM

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MULTIPLE STANDARDS /
PRODUCTION LINE
CUSTOMIZATION


DAELIM BELEFIC

01

COMPANY PROFILE

Electric, with an Edge

COMPANY PROFILE

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 needs and win the customers trust by being an 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 globe 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 it's 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 posses 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+ ADVANTADGE and we want you with us for the ride.

DAELIM

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. Production line customization ability. Our ability to meet clients growing demands is what allows to win them.

BELEFIC



04



Single Phase Transformer

Single Phase Pad Mounted Transformer

Liquid-Filled Radial Feed Pad Mounted Transformer

Liquid-Filled Loop Feed Pad Mounted Transformer

Three Phase Oil-Immersed Distribution Transformer

Three Phase Epoxy-resin Dry-type Transformer

Accessories

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Electric, with an Edge

Single Phase 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 transformers are 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 transformers have 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.

Standard Features >>

- —Quality System ISO 9001 certified.
- —Paint system meeting or exceeding the performance of the IEEE57.12.28 Standard (para. 5.3 to 5.5 included), including the salt spray test.
- —Lifting lugs meeting all of the requirements of the CSA C2.1-06 and CSA C2.2-06 Standard (including feature to prevent sling slippage).
- —Computer aided design for mechanical & electrical calculations (C.A.D.).
- —Core and coils designed for an optimum Total Ownership Cost (TOC).
- —Low voltage leads with embossed markings on all units with 3 LV bushings for easy reading and permanent identification on selected ratings.
- —Provision for surge arrester bracket, bracket available as an option.
- —“Low-high-low” windings for increased short circuit strength, efficiency and thermal strength.
- —Cover or sidewall mounted high voltage bushing(s) as required.
- —Wound core with step-lap joints for increased efficiency and lower noise levels.
- —Dual voltage designed to meet BIL and short circuit requirements on both connections.
- —Automatic self-resealing pressure relief valve.
- —Low voltage spade or clamp type (basket) terminals as required.
- —Multiple cover clamps to ensure proper sealing and to minimize water retention on the cover edge.

Optional Accessories >>

- —Externally-operable multiple voltage switches for safe operation
- —Externally-operable tap changer switches for safe operation
- —Special designs conforming to international specifications
- —Dual voltage primary complete with externally operated voltage switch
- —Extra creep bushing
- —Surge arrester bracket
- —Drain/sampling valve
- —Filter press connections
- —Porcelain low-voltage bushings
- —Non conductive transformer cover
- —Temperature gauge (tank size limitations apply)
- —Liquid level gauge (tank size limitations apply)
- —Pressure vacuum gauge (tank size limitations apply)

Standard Design >>

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
5	34500/ 19920	120-240 240-480	19	75	465	485	855	15	92
10			36	120	500	525	885	22	150
15			50	195	520	565	905	30	210
25			80	290	560	590	935	45	258
37.5			105	360	610	625	935	50	340
50	7620 12470/ 7200 or others	347 600	135	500	635	675	1035	62	395
75			190	650	745	840	1035	88	480
100			210	850	770	965	1135	94	530
167			350	1410	795	890	1335	138	680

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

Single Phase Pad Mounted Transformer



General >>

The single phase pad mounted transformer of Jiangsu Daelim Electric Co., Ltd. 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

Optional Accessories >>

- BAYONET fuse
- Tap changer
- High voltage load break switch
- LV circuit breaker
- Pressure release valve
- Oil indicator
- Oil filling valve
- High-voltage bushing inserts
- Ground connectors
- Drain/sampling valve
- Pressure vacuum gauge
- Liquid level gauge
- Temperature gauge

Standard Design >>

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/	120-240 240-480 347 600	50	195	610	740	840	45	294
25	19920		80	290	610	740	840	68	362
37.5	13800/		105	360	610	760	840	75	476
50	7957		135	500	610	810	840	93	553
75	13200/		190	650	610	860	840	132	672
100	7620		210	850	740	940	910	141	742
167	12470/		350	1410	760	1190	910	207	952
	7200 or others								

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

Liquid-Filled Radial Feed Pad Mounted Transformer



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).

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 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.

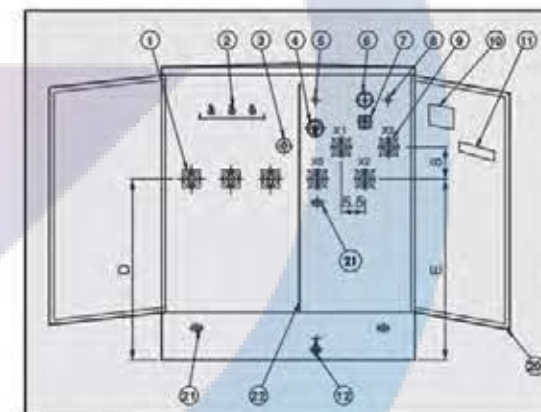
Optional Accessories >>

- 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:
 - 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
 - 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 >>



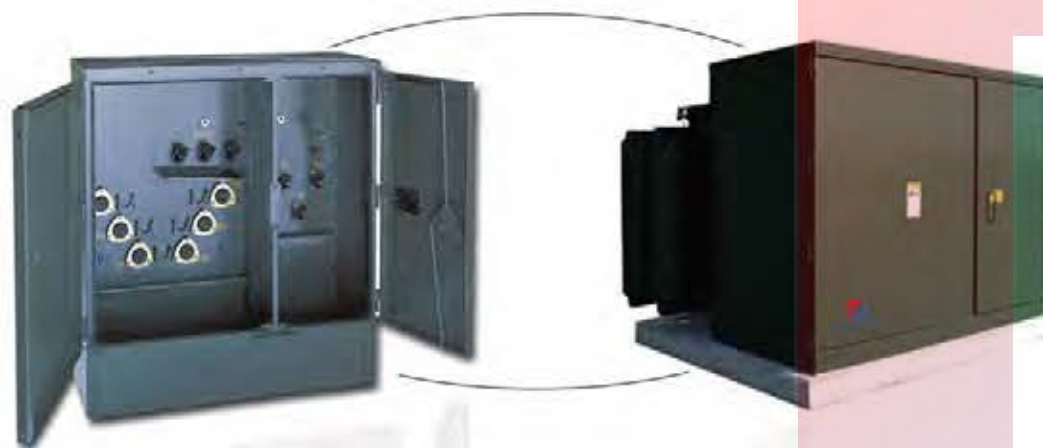
NO.	NAME	NO.	NAME
1	HV BUSHING	12	I IN DRAIN VALVE WITH SAMPLER
2	BAY-O-NET FUSE	13	PAD LOCKABLE DOOR HANDLE
3	TAP CHANGER	14	LIFTING LUGS
4	DIAL TYPE THERMOMETER	15	HAND HOLE & SECURITY COVER
5	I IN FILL PIUG	16	TANK
6	PRESSURE VACUUM GAUGE	17	COOLING RADIATORS
7	LIQUID LEVEL GAUGE	18	JACKING PAD
8	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/	240	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	7957	480	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	12470/	600Y/	1640	14500	2210	1470	2150	748	5835
2000			2160	20645	2380	1600	2220	950	6430
2500			2680	27786	3070	1650	2330	1020	8865

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

Liquid-Filled Loop Feed Pad Mounted Transformer



General >>

The liquid-filled loop feed pad mounted transformer is an oil-filled, three-phase, cost-effective 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, saving investment, safety and environment protection, attractive appearance 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)

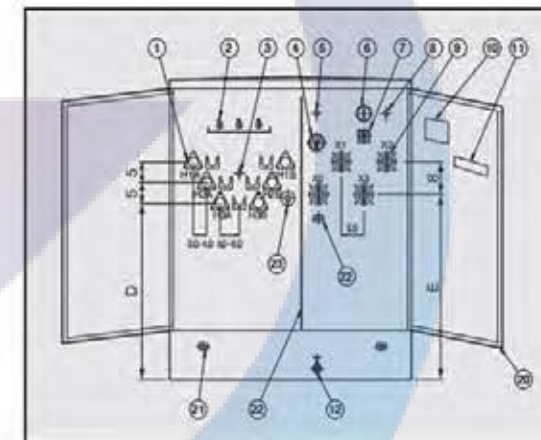
Optional Accessories >>

- 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:
 - 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
 - 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 hold-down 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	240	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	13200/7620	480Y/277	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	12470/7200 or others	600Y/347	1640	14500	2210	1470	2150	748	5835
2000			2160	20645	2380	1600	2220	950	6430
2500			2680	27786	3070	1650	2330	1020	8865

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

Three Phase Oil-Immersed Distribution Transformer

10KV class three phase oil-immersed distribution transformer has hermetically sealed type and conservator type, The transformer is applicable to plant, mine, petrol chemical and other power distribution system of 10KV class for industry and agriculture. They are also popular in sites with oil contamination and chemical substances.

01 10KV Class Three Phase Oil-Immersed Distribution Transformer

Standard Design >>



General >>

10KV oil-immersed distribution transformers are important equipment in the distribution network and power supply and distribution systems of industrial & mining enterprises. It has the advantages of compact structure, beautiful appearance, small size, low noise, and strong overload capacity.

Main Technical Parameters for 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)	
30	4.16 6 6.3 7.2 10 10.5 11 or others	0.208 0.4 0.6	Dyn11 Yyn0	4 4.5 5	100	600	2.1
50					130	870	2
63					150	1040	1.9
80					180	1250	1.8
100					200	1500	1.6
125					240	1800	1.5
160					280	2200	1.4
200					340	2600	1.2
250					400	3050	1.2
315					480	3650	1.1
400					570	4300	1
500					680	5150	1
630					810	6200	0.9
800					980	7500	0.8
1000					1150	10300	0.7
1250					1360	12000	0.6
1600					1640	14500	0.6
2000					1940	17140	0.6
2500					2300	20260	0.5

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

02 20KV Class Three Phase Oil-Immersed Distribution Transformer



General >>

Compared with 10KV class, 20KV three phase oil-immersed distribution transformer has some advantages:
1. Increase power supply capability, 2. Ensure the voltage quality. 3. Debase the electric energy loss in power system, etc. It can save the construction fee of power system. It is the developing product of energy conservation in power system.

Standard Design >>

Main Technical Parameters for 20KV 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)	
30	20	0.208	Dyn11 Yyn0	4	95	565	1.9
50					120	840	1.8
63					130	965	1.7
80					175	1170	1.6
100					185	1475	1.5
125					220	1755	1.3
160					250	2160	1.3
200					330	2565	1.1
250					395	2965	1
315					480	3580	1
400					555	4265	1
500					670	5465	1
630					780	6565	0.8
800					950	7465	0.7
1000					1140	10250	0.6
1250					1345	11965	0.6
1600					1830	14460	0.5
2000					1930	16990	0.5
2500					2320	20215	0.5

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

03 35KV Class Three Phase Oil-Immersed Distribution Transformer



General >>

35KV class three phase oil immersed distribution transformers comply with the standard of ANSI C57.12.00 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.

Standard Design >>

Main Technical Parameters for 35KV 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	35	6.3	Yd11 Ynd11	6.5	980	9350	1.05
1000					1180	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: Above data is only subject to our standard design, special requirement can be customized.

Three Phase Epoxy-resin Dry-type Transformer



General >>

Three phase Epoxy-resin Dry-type Transformers are in conformity with standard of IEC726, 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.

Standard Design >>

Technical Data for 10KV 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	6 6.3 6.6 10 10.5 11 13.2 or others	0.4	Dyn11 Yyn0	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: 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 (KV)	Low Voltage (KV)	Connection Symbol	Short Circuit Impedance (%)	Loss(W)		No-load Current (%)
					No-load Loss(W)	On-load Loss(W)	
50	20 22 24	0.4	Dyn11 Yyn0	6 8	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: Above data is only subject to our standard design, special requirement can be customized.

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 Yyn0	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: Above data is only subject to our standard design, special requirement can be customized.

Accessories



Oil Two-Position Load Breaker Switch



Two & Three Phase Magnex Interrupter



ELSP Fuse



Oil Four-Position Load Breaker Switch



Off-circuit Tap Changer



Bay-O-Net Fuse



Bay-O-Net Fuse Assembly



Load Break Bushing Insert



Surge Arrester



Bushing Well



Deadbreak Elbow Connector



Dual-Voltage Switch



FR3 Oil