

CATALOGUE



■ Company profile	02
■ Product Overview	05
■ Product Feature	06
■ Conventional type	07
■ Complete Self Protect type	07
■ Technical parameters	08
■ Quantity Control	11
■ Our factory	12
■ Case	13
Certificate	15

ABOUT HENGFENGYOU ELECTRIC

HENGFENGYOU ELECTRIC GROUP, is an electrical enterprise with transmission and distribution industry as its main business, integrating product research and development, manufacturing and trade. Designated suppliers for the world's top 500 enterprises. Its main products include power transformers, medium and low voltage switchgear, distribution panel ,circuit breakers, transmission tower ,Cable and other power distribution equipment. The group has five department: Transformer department, Panel department, power transmission tower department, cable department and electrical engineering department. HENGFENGYOU ELECTRIC GROUP has been working hard to provide the best transmission, distribution solutions for users all over the world.

Key figures

- ·Since: 1990
- · Revenue in 2018: 635 million yuan
- ·550 employees and 30 Electrical Engineers
- · 6 production sites in China
- · 6% of revenue is invested in R &D

Single-phase Transformer solutions that drive the global energy transition

With energy demand expanding in both developed and emerging countries, the challenge for HENGFENGYOU Group is to connect energy with people. The group's teams work as closely as possible with projects and decision makers and design and propose technical and process solutions based on global user needs.



HENGFENGYOU ELECTRIC

· Business area

HENGFENGYOU ELECTRIC GROUP designs, manufactures and sells global solutions and equipment for public utilities and private medium and low voltage distribution networks.

Hengfengyou Electric Group's business area is global power distribution equipment demand, fully meet the different power distribution equipment demand of more than 50 countries around the world.

· Grow business with Hengfengyou

Our goal is to become the world's leading manufacturer of electrical equipment. The business, experience and technology accumulated over the years have benefited customers in more than 50 countries around the world. Once our customers establish a cooperative relationship, they are long-term trusted customers, because HENGFENGYOU ELECTRIC GROUP always insists on providing you with our best electrical products and services.

Qingdao Hengfengyou Electrical Engineering Co., Ltd

Smart Electric Global Service provider, Make life better!

Address: N0.506 Huicheng Road, Chengyang District, Qingdao City, China

Tel:+86-532--87936206 Fax:+86-532-87936207

Website: http://www.hengfengyou.com

Sales: hfy@hengfengyou.com

Service:service@hengfengyou.com

·The team energy

The HENGFENGYOU ELECTRIC team achieves synergy within the team to develop and produce specific solutions that meet all customer needs.

Our equipment is designed and researched by R&D services according to each country's electrical standards and helps manage your distribution network for optimal efficiency.

HENGFENGYOU's state-of-the-art production workshop and production equipment will produce high quality products according to your specifications.

HENGFENGYOU ELECTRIC GROUP has a certified quality control laboratory where electrical products are tested out of factory to ensure the reliability and optimal life of our products.

· Innovative development

For more than 30 years, HENGFENGYOU ELECTRIC GROUP has been designing innovative power distribution solutions to improve network security, optimize facility efficiency and become more environmentally friendly.

Every year, HENGFENGYOU ELECTRIC GROUP spends 6% of its revenue on research and development and innovation of energy saving development of distribution transformers; Intellectualization of distribution boards and substations; Research, development and improvement of transmission tower and cable materials. The R&D division has more than 30 engineers and technicians dedicated to designing and deploying new electrical solutions. Continuously meet the global demand for energy saving and intelligent electrical.

Qingdao International academician port Qingdao MINGSI is introduced as the strategic partner of Technology Co., Ltd. to provide smart power consumption solutions for global users. Through the intelligent monitoring of the Internet of things system, it can realize the remote monitoring, early warning, control and management of enterprise power transmission and distribution equipment and power consumption equipment, and finally achieve the goal of reducing fire accidents, reducing operating costs, and improving enterprise management efficiency.

HENGFENGYOU ELECTRIC

SMART ELECTRIC GLOBAL SERVICE PROVIDER

· Grow business with HENGFENGYOU ELECTRIC GROUP

Our goal is to become the world's leading manufacturer of electrical equipment. The business, experience and technology accumulated over the years have benefited customers in more than 50 countries around the world. Once our customers establish a cooperative relationship, they are long-term trusted customers, because HENGFENGYOU ELECTRIC GROUP always insists on providing you with our best electrical products and services.

HENGFENGYOU ELECTRIC GROUP always adhere to carry forward the "integrity, innovation, achievement customer" of the enterprise purpose, to "quality products, the whole heart service" for the business of the team spirit, wholeheartedly for customers at home and abroad to provide excellent products and satisfactory service, is committed to be "Smart Electric Global Service provider" around the world, and sincerely hope to build a future with customers at home and abroad long-term win-win cooperation!

Address: N0.506 Huicheng Road, Chengyang District, Qingdao City, China

Tel: +86-532--87936206 Fax: +86-532-87936207

Website: http://www.hengfengyou.com



PRODUCT OVERVIEW

The **HENGFENGYOU** overhead 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. Our single phase overhead distribution transformer is commonly used in various places including rural areas, remote regions and scattered villages to provide high quality power supply for daily lighting, agricultural production and industrial plants.

Offers 2 basic transformer types and 2 kinds of metal core types Conventional type and Complete Self Protect type, and for the transformer core, 2 types of materials are available: C.R.G.O. core and amorphous metal core.

Executive Standards

IEEE Std C57.12.00TM-2000 standard – IEEE Standard for Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers.

IEEE Std C57.12.20TM-2005 standard – IEEE Standard for Overhead-Type Distribution Transformers, 500kVA and Smaller: High Voltage, 34500V and Below; Low Voltage, 7970/13800Y V and below.

IEEE Std C57.12.31TM-2010 standard – IEEE Standard for Pole Mounted Equipment – Enclosure Integrity

IEEE Std C57.12.35TM-1996 standard – IEEE Standard for Bar Coding for Distribution Transformers

IEEE Std C57.12.90TM-2006 standard – IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers.

IEEE Std C57.12.91TM-2001 standard – IEEE Guide for Loading Mineral-Oil-Immersed Transformers.

IEEE Std C57.154TM-2012 standard (Pending Approval) – IEEE Standard for the Design, Testing and Application of Liquid-Immersed Distribution, Power and Regulated Transformers using High-Temperature Insulation Systems and Operating at Elevated Temperatures (ASTM)American Society for Testing Materials. NEMA TR 1-1993 (R2000) – Transformers, Regulators and Reactors, Table 0-2 Audible Sound Levels

10 CFR Part 431 – Department of Energy – Energy Conservation Program for Commercial Equipment: Distribution Transformers Energy Conservation Standards; Final Rule.



PRODUCT FEATURE



- (1) Cover mounted high voltage porcelain bushings with eyebolt terminals are mounted on flat embossments on the cover and have undercut gasket seats for improved sealing. The eye bolt connectors are cast bronze plated with tin to accommodate both aluminum and copper conductors.
- (2) One-piece fasten ring prolongs the life of the transformer, facilitates inspection and maintains even pressure around the entire rim. It combines with a specially formed tank rim, drawn cover and gasket to form an effective seal which will not deteriorate with age.
- (3) Low voltage tank-wall bushing terminals are clamp type and tinplated.
- (4) Tank is equipped with self-sealing pressure release device.
- (5) Support lugs, welded to the tank, conform to ANSI standards are made of hot-rolled steel.



Amorphpus Metal Core

C.R.G.O.Core

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.

COMPLETE SELF PROTECT TYPE

This type of transformers are CSP type, which can protect itself from thunder and lighting, 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:

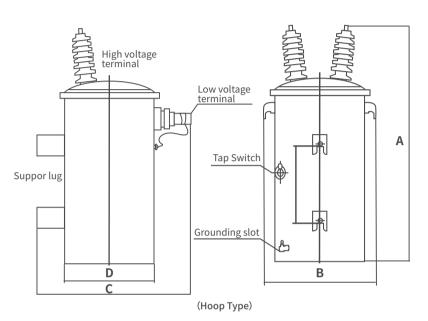
One or two high voltage bushings are on the cover with fuse.

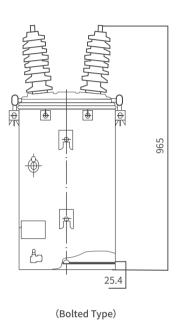
One or two arresters are installed on the wall of the tank, whose top end is near to the high voltage bushing, and connected to the bushing by a copper strip. One secondary breaker switch is above the winding inside the tank, and here are operating handle, overload reset and signal light,

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.



TECHNICAL PARAMETERS



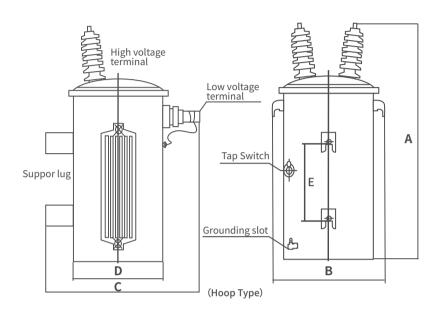


---5-50kva---

Technical Data for D11 Series Single-Phase Pole-Mounted Distribution Transformer(C.R.G.O.Core)

Dating		Tanning	Tapping		Loss	s(W)	[imen	sion(n	nm)		We	eight(kg)								
Rating (KVA)	H.V(V)	Range (%)	L.V(V)	No Load Loss	Full Load Loss	А	В	С	D	E	Oil Weight	Oil Content	Total Weight								
3	33000/	±2×2.5% or others		9	45	800	400	500	300		10	11.1	70								
5	19000			19	75	860	430	510	340		30	33.3	92								
10	30000/ 17321			36	120	965	450	515	330		28.8	32	135								
15	20000/ 11547		120-240	50	195	1015	480	545	360	286	37	41.1	155								
25	13800/		or				240-480	80	290	1015	500	570	380		45	50	185				
37.5	7967										250-500	105	360	1075	580	650	460		58	64.4	265
50	13200/ 7620			or	135	500	1175	580	650	460		69	76.7	300							
75	12000/			ou.e.c		others	190	650	1175	761	706	496		102.6	114	380					
100	6930							210	850	1280	934	754	524		108.0	120	460				
167	11000/ 6350														350	1410	1460	830	890	660	591
250	or				500	2000	1570	960	950	660		250	277.8	990							
333	others			650	2500	1660	960	960	660		300	333.3	1160								

TECHNICAL PARAMETERS



---75-167kva---

Technical Data for DH15 Series Single-Phase Pole-Mounted Distribution Transformer(Amorphous Metal Core)

- · · -					Tapping		Loss	s(W)) imen	sion(n	nm)		We	eight(kg)																	
Rating H.V (KVA)	H.V(V)	Range (%)	L.V(V)	No Load Loss	Full Load Loss	A	В	С	D	E	Oil Weight	Oil Content	Total Weight																			
3	33000/			8	45	800	400	400	300		10	11.1	60																			
5	19000	±2×2.5% or others	or	or	or	or		8	75	840	400	480	310		35	38.9	75															
10	30000/ 17321						or						12	120	955	500	565	380		35	38.9	155										
15	20000/ 11547										120-240	15	195	975	500	565	380	286	37	41.1	160											
25	13800/											±2×2.5%	±2×2.5%									240-480	18	290	1025	530	600	410		45	50	210
37.5	7967																						250-500	30	360	1075	580	650	460		54	60
50	13200/ 7620							or	32	500	1075	680	750	560		89	98.9	375														
75	12000/		others	45	650	1215	730	820	610		123	136.7	545																			
100	6930																						50	850	1175	875	840	610		108	120	585
167	11000/ 6350										65	1410	1470	940	840	610	591	140	155.6	650												
250	or				90	2000	1560	1260	960	660		250	277.8	950																		
333	others			120	2500	1660	1260	960	660		300	333.3	1200																			

TECHNICAL PARAMETERS







Technical Data for D11 Series Big Capacily Single-Phase Pole-Mounted Distribution Transformer(C.R.G.O.Core)

D. Aline	Pating	Tapping Range (%)		Loss	s(W)	Dime	ension(mm	1)	Weight(kg)		
Rating (KVA)	H.V(V)		L.V(V)	No Load Loss	Full Load Loss	L	w	н	Oil Weight	Total Weight	
100	13200/		120/240/480	210	850	1020	770	1260	94	530	
167	7620	±2×2.5%	or	350	1410	1290	870	1265	138	680	
250	or 11000/	or	120-240	500	2000	1460	1080	1380	250	990	
333	11000/ 6350 0	0	240-480	650	2500	1570	1230	1395	300	1160	





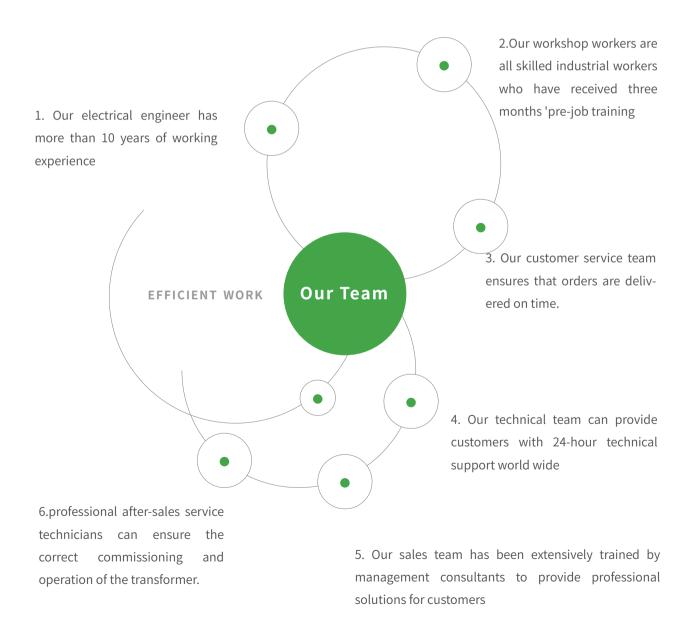


Technical Data for D11 Series 30kv-33kv Single-Phase Pole-Mounted Distribution Transformer

Dating	Tapping		Loss	s(W)	Dime	ension(mm	1)	Weight(kg)						
Rating (KVA)	П.V(V) _	Range (%)	L.V(V)	No Load Loss	Full Load Loss	L	w	н	Oil Weight	Total Weight				
10				47	165	590	510	1000	51	160				
15	33000/	0000 ±2×2.5% 000/ or 7320 others 000/	±2×2.5% / or others		120-240	58	285	605	600	1030	63	208		
25	19000			120 240	66	448	620	700	1090	82	260			
37.5	20000/						240-480	88	574	650	730	1195	97	325
50	17320			or	110	700	680	760	1300	115	390			
75	000001			others	others	others		175	910	730	840	1340	140	460
100	20000/ 11547			others	215	1300	870	920	1350	170	550			
167	11011			308	1830	970	1240	1390	195	650				
250				608	2900	1200	1420	1650	250	850				

QUALITY CONTROL

- ·HENGFENGYOU has formulated strict workflow and ISO standards to ensure to provide customers with first-class Single-Phase Transformer and the best service.
- •The HENGFENGYOU team works collaboratively within the team to develop and produce, Single-Phase Transformer solutions that meet all customer needs.
- · Our products are designed and studied by R & D services according to the electrical standards of each country and help manage your distribution network for optimal efficiency.



THE CORNER OF OUR FACTORY

CUSTOMER-ORIENTED CREATE VALUE FOR CUSTOMERS



▲ FACTORY DISPLAY



▲ FACTORY DISPLAY

Hengfengyou Electric has 22000 square meters of modern plant, with a monthly delivery capacity of up to 200 Single-Phase Transformer, and has fully passed the ISO9001, ISO14001, SA8000, BSCI and other market access standards reviewed and issued by international certification bodies. At present, the company has 10 senior engineers, 30 senior technicians and more than 300 employees, with an annual output value of US \$100 million

MAKEFRIENDS ALL OVER THE WORLD



▲ DISPLAY AREA OF SINGLE-PHASE TRANSFORMER FINISHED PRODUCTS

CASE

Hengfengyou Electric has always been committed to providing the best quality Single-Phase Transformer products for global customers





Case show

make life better

Single-Phase overhead transformer is usually used for urban and rural power distribution





CERTIFICATE

QUALIFICATION CERTIFICATION





OUR HONOR











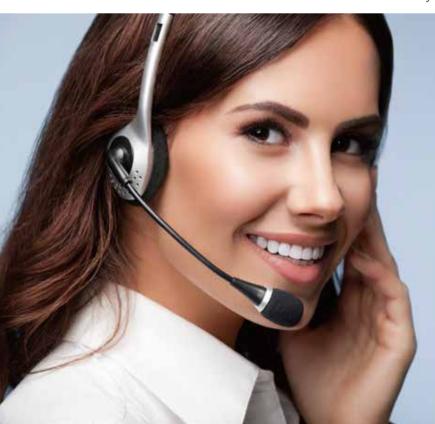


PRE-SALE SERVICE:

- 1.ISO certified excellent Manufacturer
- 2. Third-party authoritative certifications: CE, CB, SASO, CCC, KEMA etc
- 3. Flexible payment: T/T, LC, O/A
- 4. Sufficient inventory, fast delivery time and long validity of the price
- 5. The whole process of picture tracking can be realized in production and transportation
- 6. Experienced professional sales team and a strong technical team
- 7. Sincerely invite customers to visit the company for guidance

AFTER-SALES SERVICE:

- 1. If there is any quality problem after receiving the goods, you can return the goods free of charge or ship new products
- 2. We provide our customers with a 1-year product warranty
- 3. Provide 24-hour, 365-day technical guidance worldwide
- 4. The VIP customers enjoy our promotional activity trained by management consultants, is able to provide professional solutions for customers.
- 4. Our technical team is ready for 24-hour technical support worldwide.
- 5. Our customer service team ensures on time delivery.



Call Us For Detais

+86 158 5325 2696 (JACK)

+86 158 5326 5269 (ALISA)

All rights reserved by HENGFENGYOU ELECTRIC 2022



青岛恒丰友电气工程有限公司

QINGDAO HENGFENGYOU ELECTRICAL ENGINEERING CO., LTD

Hengfengyou Electric Group

Hengfengyou (Qingdao) Transformer Co., Ltd Address: Fengju Road, Chengyang District, Qingdao City, Shandong Province, China

Hengfengyou (Qingdao) Transmission tower Co., Ltd Address: Shuangyuan Road, Chengyang District, Qingdao City, Shandong Province, China

Hengfengyou (Qingdao) Cable Co., Ltd Address: Jifa Longshan Road, Jimo District, Qingdao, Shandong Province, China

Hengfengyou (Qingdao) Panel Builder Co., Ltd Address: Jifa Longshan Road, Jimo District, Qingdao, Shandong Province, China

Hengfengyou (Yancheng) special transformer Co., Ltd Address:Longteng Road, Longgang Town, Yandu District, Yancheng City, Jiangsu Province,China

Hengfengyou (Liaocheng) transformer Co., Ltd Address:Fenghuang Industrial Park, Liaocheng City, Shandong Province, China

QINGDAO HENGFENGYOU ELECTRICAL ENGINEERING CO., LTD

Tel: +86-532--8793 6206 Fax: +86-532-8793 6207 WhatsApp: +86 158 5325 2696 (Jack) +86 158 5326 5269 (Alisa) Website: www.hengfengyou.com Email:hfy@hengfengyou.com Address: 506 Huicheng Road, Chengyang District, Qingdao City, China