

Product Introduction - Pole Mounted Transformer

Standard

IEEE & ANSI C57.12.00, IEEE & ANSI C57.12.90
ANSI C62.11, ASTM D3487
IEC60076

Design

- Compact and lightweight design
- Save system load
- More space saving during installation
and use

Technical Specification

- Power (kVA): 5-500
- HV (V): Below 36000
- LV (V): 120、120/240 OR 240/480
- Frequency (Hz): 60 或 50
- Temperature Rise: 65° C
- Size/Weight (kg) : As Required
- HV BIL:95kV-125kV-150kV-170kV,
- LV BIL: 30kV
- Core: Silicon or Amorphous
- Winding: CU or AL
- Oil: Mineral or Vegetable oil NO PCB

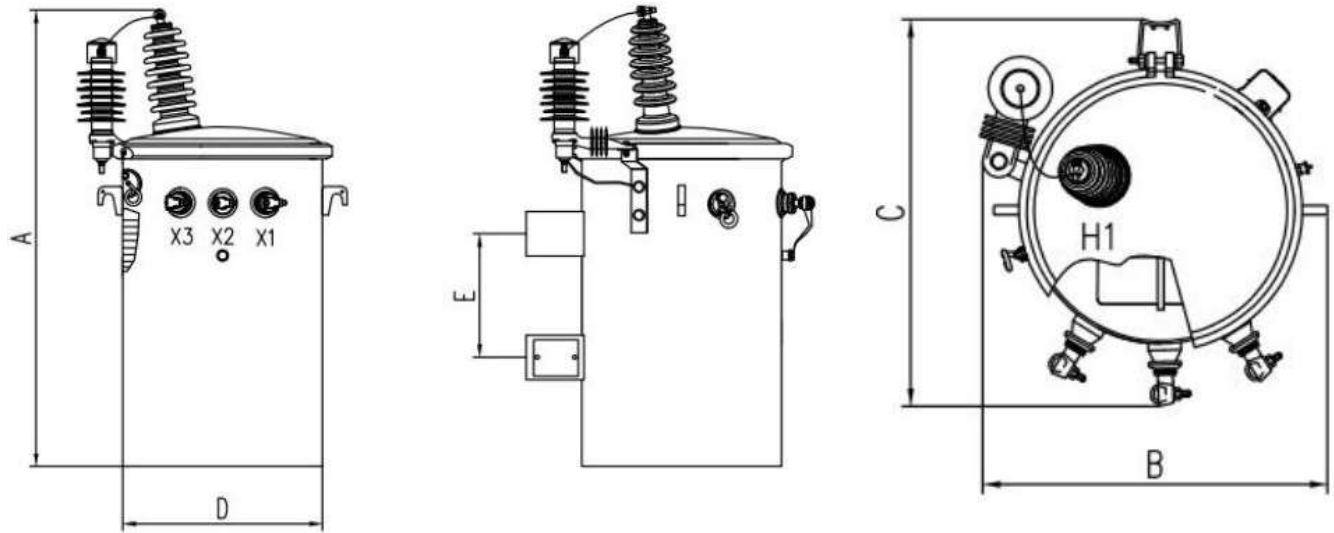
Conventional Type



CSP Type single phase pole mounted transformer

- Our completely self-protected distribution transformer is used to offer electricity to facilitate lightning system, agricultural production and industrial factory in rural places, remote areas and scattered villages, and it is also applicable for pole mounted distribution lines for railways and urban power grids
- It equipped with good quality of HV bushing fuse, HV surge arrester, LV circuit breaker (with overload signal light) and LV surge arrester, to protect the transformer from short circuit, thunder and lightning.

Outline Drawing (For information only)



Partial Product Reference Data:

Type	Rating (kVA)	HV (V)	Tapping Range (%)	LV (V)	Loss (W)		Dimension (mm)					Weight (kg)				
					No Load Loss	Full Load Loss	A	B	C	D	E	Oil Weight	Total Weight			
D11-3	3	33000/ 19000	±2 x 2.5%	120-240	9	45	800	400	500	300	286	10	70			
D11-5	5				19	75	860	430	510	340		30	92			
D11-10	10				36	120	960	450	520	330		26	135			
D11-15	15				50	195	990	480	550	360		37	155			
D11-25	25				80	290	1010	500	575	380		39	185			
D11-37.5	37.5				105	360	1070	580	655	460		58	265			
D11-50	50				135	500	1175	580	655	460	69	300				
D11-75	75				190	650	1175	770	710	496	88	380				
D11-100	100				210	850	1280	934	754	524	108.0	460				
D11-167	167				350	1410	1460	830	890	660	138	680				
D11-250	250				500	2000	1570	960	950	660	250	990				
D11-333	333				650	2500	1660	960	960	660	300	1160				
DH15-3	3				20000/ 11547	or	250-500	8	45	800	400	400	300	286	10	60
DH15-5	5							8	75	840	400	480	310		35	75
DH15-10	10							12	120	950	500	570	380		35	155
DH15-15	15							15	195	970	500	570	380		37	160
DH15-25	25							18	290	1020	530	605	410		39	210
DH15-37.5	37.5							30	360	1070	580	655	460		52	315
DH15-50	50	32	500	1075				680	755	560	89	375				
DH15-75	75	45	650	1175				730	820	610	115	505				
DH15-100	100	50	850	1135				880	855	610	97	555				
DH15-167	167	65	1410	1470				940	840	610	140	650				
DH15-250	250	90	2000	1560				1260	960	660	250	950				
DH15-333	333	120	2500	1660				1260	960	660	300	1200				

The above parameter is only for reference as typical data, customer-made is subject to customers' request.



With Cable Box



With Radiator



Single Phase America Pad-Mounted Transformer

Advantage

Digital production line: The newly invested automatic production line in 2021 increase the efficiency by 30% compared with the traditional transformer production;

- ◆ Octagonal iron core: The octagonal iron core independently developed and produced meets the low loss requirements of customers;
- ◆ Various types of products: transformers used in different distribution networks such as 10-35kV voltage can be provided;
- ◆ According to customer insulation grade and environmental protection requirements: mineral oil or vegetable oil transformers can be provided;
- ◆ We can design many product structures: core structure and shell structure transformers can be provided according to customer requirements;
- ◆ Excellent product performance: can provide low-loss silicon steel core, or low-loss energy-saving amorphous iron core transformer;
- ◆ Strong design ability: technical experts with 30 years of rich design experience, 10 technical teams and 3 product teams;
- ◆ Design more than 300 customized products for customers every year, and 29 patents and certifications;
- ◆ High production capacity: the monthly production capacity reaches 1800 units;
- ◆ After-sales service: Overseas team provides after-sales service at close range.

Introduction of digital production line:

The core concept of the intelligent manufacturing project for column-mounted transformers is to build a domestic leading lean, automated, and digital production line, using advanced equipment, coupled with a production information management system (MES system) to realize the integrated management of the intelligent production system, thereby improving enterprise manufacturing. Management level, improve key indicators such as production efficiency, product quality and production cost, and strengthen the core competitiveness of enterprises.

The project equipment includes automatic wire winding machine, fully digital foil winding machine, automatic open core forming machine, variable pressure vacuum drying equipment, complete set of vacuum oil injection equipment, transformer intelligent experimental system, high shelf and fluent shelf, RGV rail car , AGV automatic magnetic strip guiding trolley and power roller table line, etc., are built by domestic first-class intelligent production line integrators, which greatly improves the production capacity of column-mounted transformers.

Test System



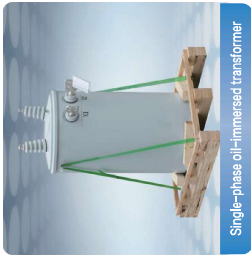
Transformer Intelligent Test System





Storage

Product Catalogue



Single-phase oil-immersed transformer



Single phase pad mounted transformer



Pad mounted transformer



Oil-immersed transformer



35KV Oil-immersed transformer



Power transformer

Product Catalogue



Epoxy-resin insulation Dry-type Transformer



Compact substations



GGD type low voltage power distribution cabinet



Rectifier transformer



H CLASS non-enclosed dry-type transformer

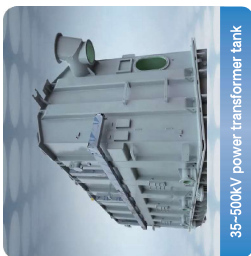


Three-phase dry isolation transformer series

Product Catalogue



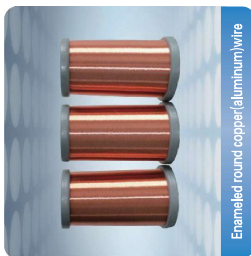
10kV corrugated tank



35-500KV power transformer tank



Radiator



Enameled round copper/aluminum/wire



Enameled copper/aluminum/rectangle wire



Insulation materials for oil immersed transformers