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Three Phase Pad-Mounted Distribution Transformer



Product brochure

2015/1

Yueqing Yidatong Electric Co.,Ltd

ISO9001&ISO14001 Certificated Enterprise

++++General

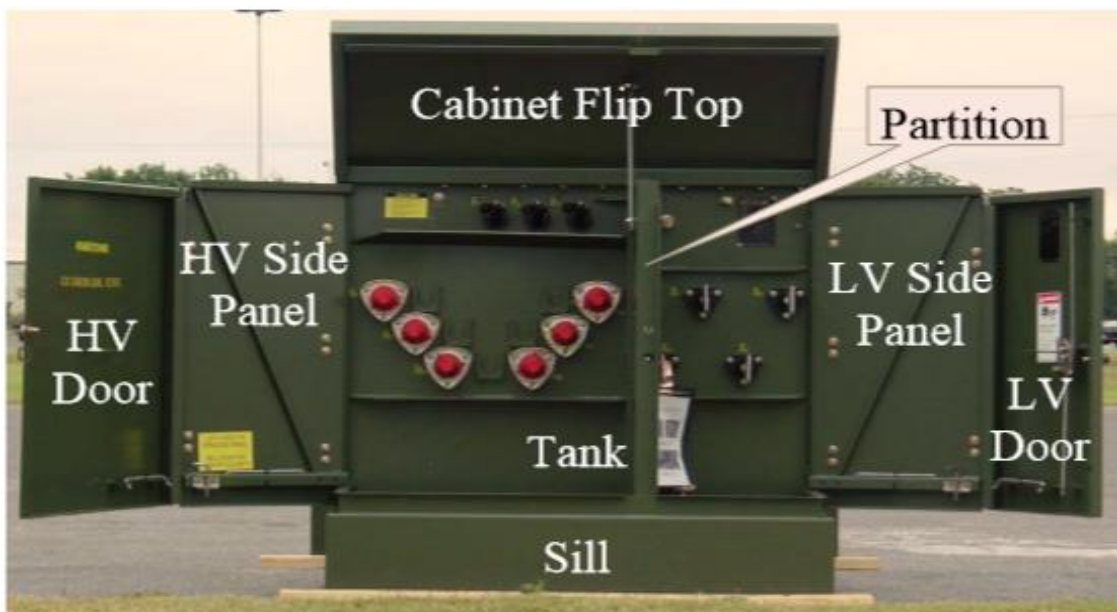
Yidatong Electric is an ISO9001-2008 certified company that has been manufacturing exceptional distribution and power transformer for last 10 years, one of the reasons for our success over the last decade has been a rigid quality system supported by our quality assurance programs and ongoing research and development, all design undergo complete type testing and routine testing, as per the applicable standards

Yidatong Electric's three phase pad mounted distribution transformers provide a reliable and affordable solution for clients who need to reduce their overall operating costs. they are low-profile, compartment-type transformers, which are generally used for step-down purposes from an underground primary cable 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, BS171, SABS 780 etc

++++ Structure Characteristics

Cover Removal instructions



++++Product Scope

Type Three Phase 50 or 60 Hz, 65°C Rise

Fluid Type Mineral oil meet IEC std

Tank All bracing is interal removable cover

Bushings Externally clamped with stainless steel studs and plated hardware

Coil Configuration 2-winding or 4-winding or 3-winding (Low-High-Low), 3-winding (Low-Low-High)

Capacity 45-3000kVA

HV Taps: 2-2-1/2% above and below normal , or
4-2-1/2% below normal

Primary Voltage 2400-19920V

Secondary Voltage 208Y/120V to 14400V



++++Service condition

a) Both indoor or outdoor

b) Air temperature:

Maximum temperature: +40°C; Minimum temperature: -25°C

c) Humidity:

Monthly average humidity 95%; Daily average humidity 90% .

d) Altitude above sea level:

Maximum installation altitude: 2000m.

e) Ambient air not apparently polluted by corrosive and flammable gas, vapor etc.

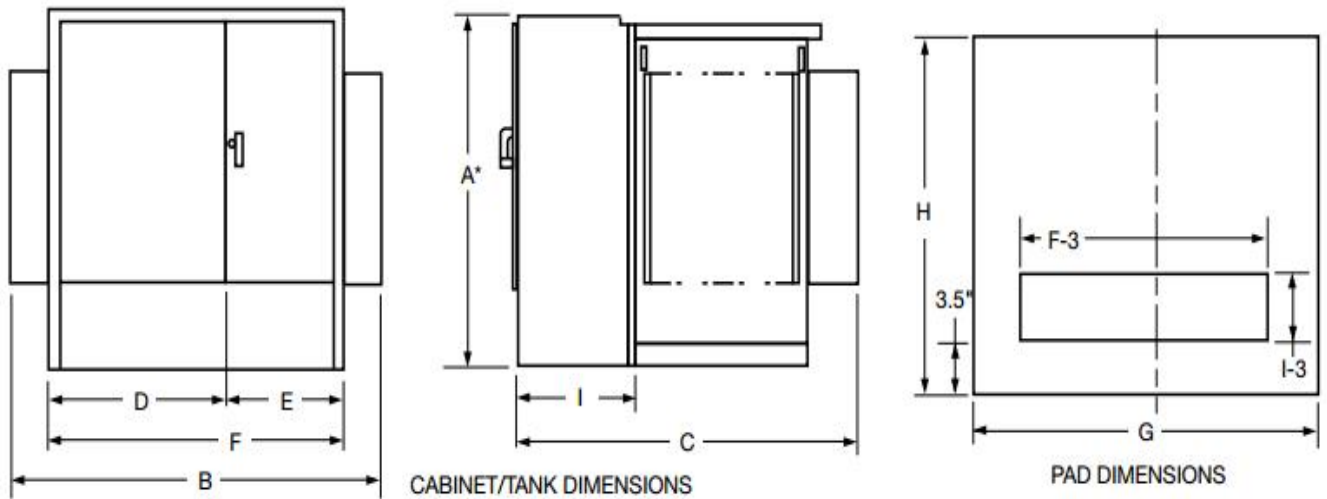
++++Application

The transformers described herein are designed for the application conditions normally encountered on electric power distribution systems. As such, they are suitable for use under the "usual service conditions" described in IEEE Standard C57. 12.00 general requirements for liquid-immersed distribution, power and regulating transformers.

++++KVA and Standard Voltage Offerings

kVA	H.V.	BIL (kV)	L.V.
30	2400	60	240 Δ 120 tapp 208Y/120 480Y/277 240 Δ 480 Δ 600Y/347
45	4160	75	
75	4800	95	
112.5	7200	95	
150	7620	95	
225	7970	95	
300	11400	125	
500	12000	125	
750	13200	125	
1000	13800	125	
1500	14400	125	
2000	19920	150	
2500			
3000			

++++Dimension



65° Rise DEAD-FRONT-LOOP OR RADIAL FEED-BAY-O-NET FUSING OIL FILLED-ALUMINUM WINDINGS											
OUTLINE DIMENSIONS (in.)										Gallons of Fluid	Approx. Total Weight (lbs.)
kVA Rating	A*	B	C	D	E	F	G	H	I		
45	50	68	39	42	26	68	72	43	20	110	2,100
75	50	68	39	42	26	68	72	43	20	115	2,250
112.5	50	68	49	42	26	68	72	53	20	120	2,350
150	50	68	49	42	26	68	72	53	20	125	2,700
225	50	72	51	42	30	72	76	55	20	140	3,150
300	50	72	51	42	30	72	76	55	20	160	3,650
500	50	89	53	42	30	72	93	57	20	190	4,650
750	64	89	57	42	30	72	93	61	20	270	6,500
1000	64	89	59	42	30	72	93	63	20	350	8,200
1500	73	89	86	42	30	72	93	90	24	410	10,300
2000	73	72	87	42	30	72	76	91	24	490	12,500
2500	73	72	99	42	30	72	76	103	24	530	14,500
3000	73	84	99	46	37	84	88	103	24	620	16,700

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Accessories



Loadbreak Elbows



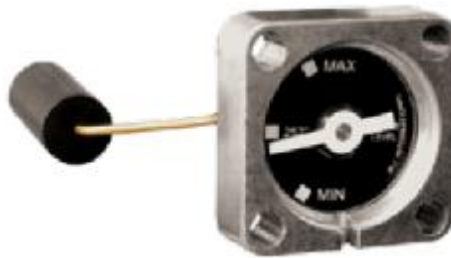
Loadbreak Bushing insert



Bushing well



Temperature indicator



Liquid Level Gauges



Pressure relief



Drain valve



Low voltage Bushing



Bayonet fuse holder



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