



Oil Immersed Padmount Transformers

JST Power Equipment Inc. is more than a manufacturer – we are a solutions innovator at the cutting edge of transformer and switchgear technology. We continually work to create products with higher efficiencies and

lower costs. Each year, we make substantial investments in research and development of new products and manufacturing techniques. We regularly innovate on behalf of our customers, collaborating with them to find

solutions to their specific challenges. JST's Padmount transformer are standardized and can be designed to meet customers' requirements.

Liquid-filled Three Phase Pad Mounted Transformer

GENERAL

The oil-filled three phase pad mounted transformer is a commercial distribution transformer specifically designed for handling underground distribution loads for utility, industrial and commercial applications.

- Live and dead front construction
- Radial and loop feed applications
- On-load and off-load tap changers available.
- Aluminum or copper windings

Our aesthetic design, tested in accordance with industry standards, provides a cost-effective solution, and ensures safety and environmental protection.



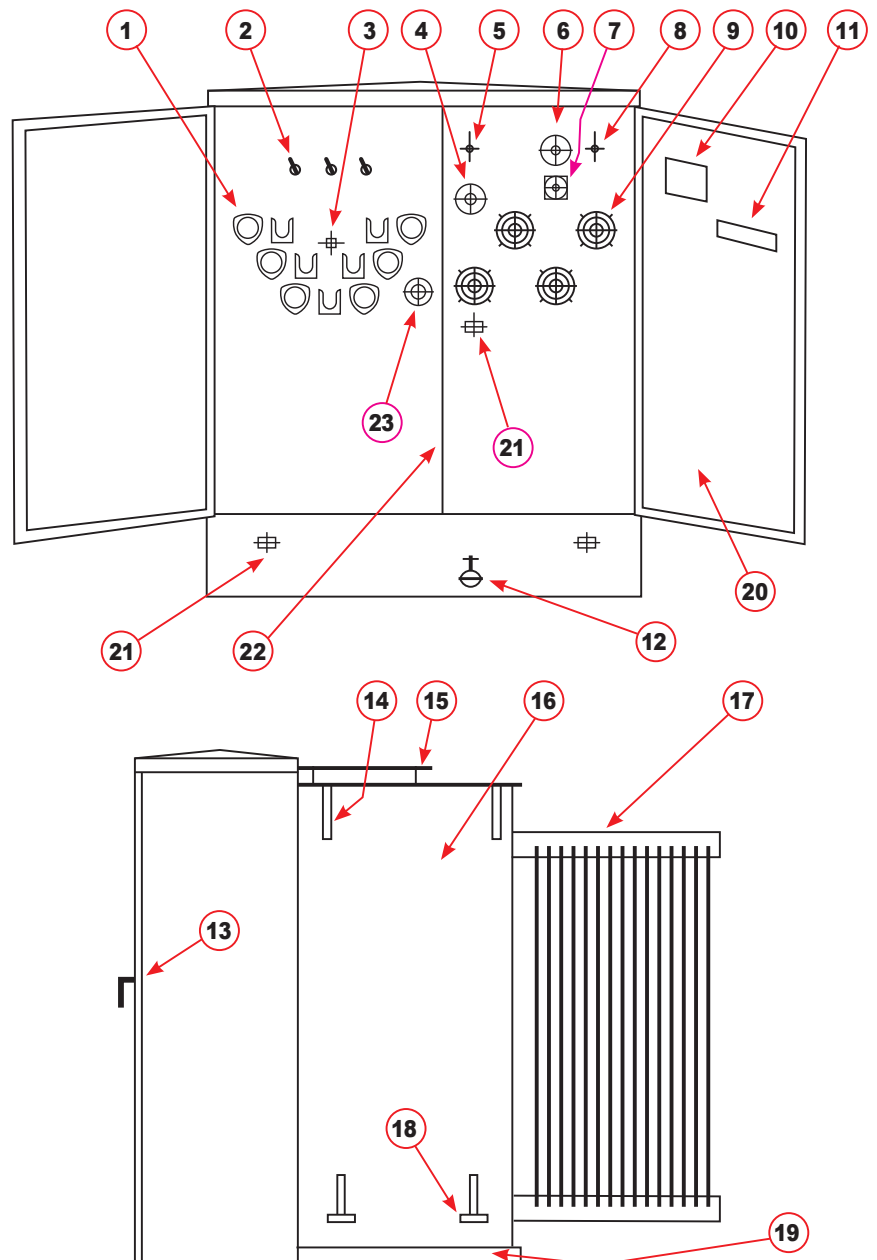
Rated Power (kVA)	High Voltage (V)	Low Voltage (V)	TYPICAL LOSS		TYPICAL DIMENSIONS						TYPICAL WEIGHT			
			No-Load Loss	On-Load Loss	W (mm)	W (in.)	D (m)	D (in)	H (mm)	H (in)	Oil Wgt. (LB)	Oil Wgt. (KG)	Total Wgt. (LB)	Total Wgt. (KG)
75	34500/ 19920 13800/ 7957 13200/ 7620 12470/ 7200 or others	240 480 480Y/ 277 600Y/ 347	180	1250	1390	54.72	910	35.83	1430	56.30	120	54	645	293
112.5			200	1500	1420	55.91	920	36.22	1430	56.30	138	63	729	331
150			280	2200	1510	59.45	980	38.58	1530	60.24	201	91	989	449
225			400	3050	1600	62.99	1000	39.37	1660	65.35	230	104	1195	542
300			480	3650	1660	65.35	1080	42.52	1680	66.14	260	118	1415	642
500			680	5100	1810	71.26	1160	45.67	1790	70.47	325	147	1905	864
750			980	7500	2030	79.92	1300	51.18	2030	79.92	535	243	2755	1250
1000			1150	10300	1651	65.00	1549	60.98	1854	72.99	650	295	3235	1467
1500			1640	14500	2210	87.01	1470	57.87	2150	84.65	748	339	5835	2647
2000			2160	20545	2380	93.70	1600	62.99	2220	87.40	980	445	6430	2917
2500			2680	27786	2480	97.64	1650	64.96	2330	91.73	1020	463	8865	4021

Liquid-filled Three Phase Pad Mounted Transformer

No.	Name	No.	Name	No.	Name	No.	Name
1	HV Bushing	7	Liquid Level Gauge	13	Pad Lockable Door Handle	19	Jacking Provisions
2	Bay-O-Net Fuse	8	Pressure Relief Valve	14	Lifting Lugs	20	Door
3	4-Position Load Break Switch	9	LV Bushing	15	Hand Hole and Security Cover	21	2-Hole Horizontal NEMA Ground Pad
4	Dial Type Thermometer	10	Name Plate	16	Tank	22	Metal LV-HV Barrier
5	1" Fill Plug	11	Serial Number	17	Cooling Radiators	23	Tap Changer
6	Pressure Vacuum Gauge	12	1" Drain Valve with Sampler	18	Jacking Pad		

STANDARD FEATURES

- Quality System ISO 9001 certified
- Exceeds ANSI/IEEE and NEMA standards
- Mild steel, optional stainless-steel tank
- Lifting lugs (4)
- Three-point latching door.
- Stainless steel cabinet hinges and mounting studs
- Bolted-on cabinet with removable sill.
- HV and LV compartment doors-hinged
- Steel HV/LV compartment barrier
- One penta-head bolt on the LV compartment
- Two penta-head bolts on the HV compartment
- Removable HV bushings with eyebolt, clamp type connector and live front-external clamped
- Externally clamped LV bushing with 4-12 Hole spades
- Oil drain plug or valve
- Oil fill plug
- Five-legged core/coil assembly
- Removable LV neutral ground strap
- Stainless Steel nameplate
- Pressure relief valve



Liquid Filled Single Phase Pad Mounted Transformer

GENERAL

Our single-phase pad mounted transformer is designed to improve performance in terms power, weight, quality, safety, and sustainability. Designed to ensure reliable power distribution to residential areas, commercial centers, airports, factories, hospitals, and other applications. Our compartment-type design supply suitable mounting outdoors on pads, complying with all industry standards.

STANDARD FEATURES

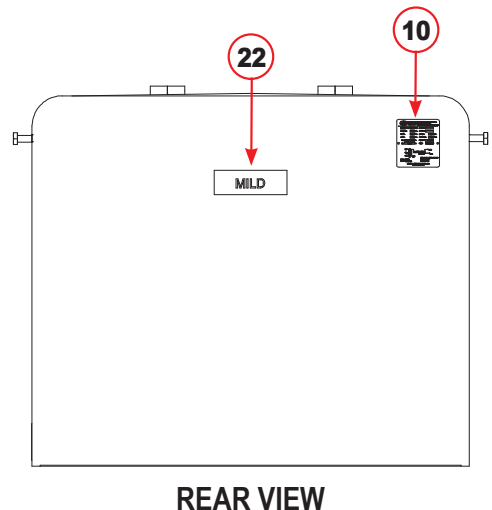
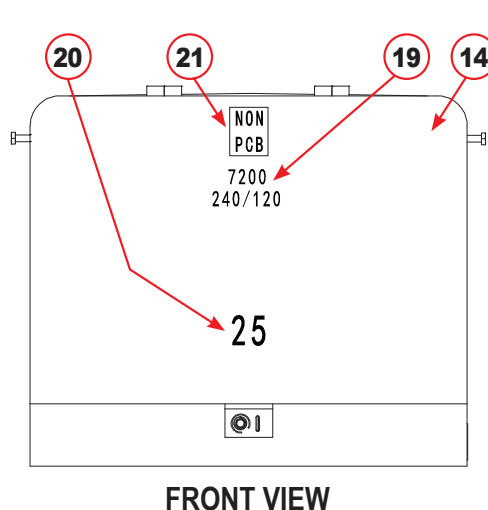
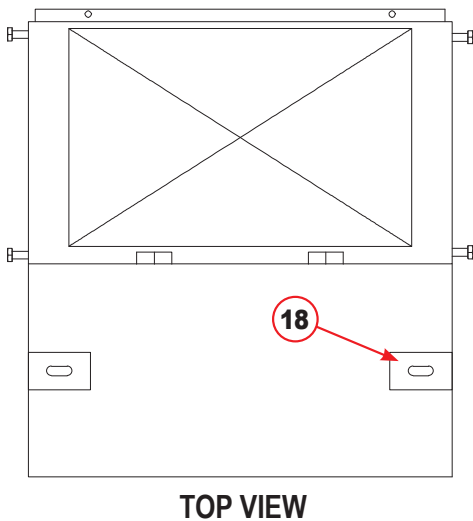
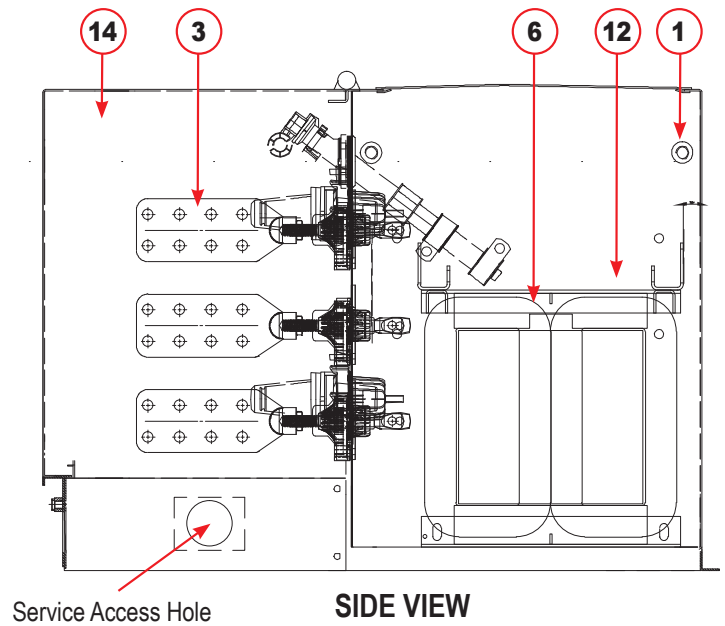
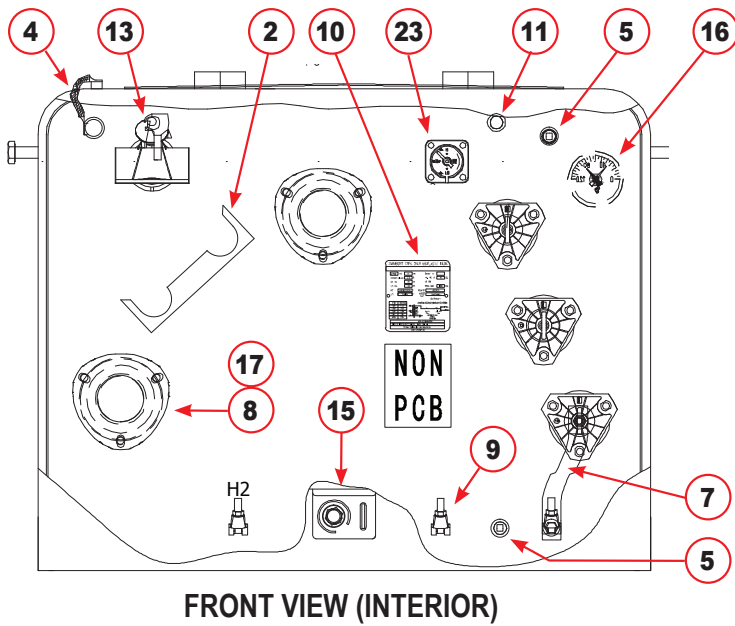
- Quality System ISO 9001 certified
- Exceeds ANSI/IEEE and NEMA standards.
- Parking stand bracket
- Pressure relief device
- Fluid fill and drain
- Stainless steel nameplate
- Decal bushing designations
- Welded domed tank.
- Removable sill
- Recessed stainless steel lifting provisions
- Hinged door with stainless steel hinge pins and barrels
- Ground strap from X2 to tank ground
- HV bushing wells for dead front elbow connectors.



Rated Power (kVA)	High Voltage (V)	Low Voltage (V)	TYPICAL LOSS		TYPICAL DIMENSIONS						TYPICAL WEIGHT			
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15	34500/	240-120 240-480 347-600	50	195	610	24.02	740	29.13	840	33.07	45	20	294	133
25	19920		80	290	610	24.02	740	29.13	840	33.07	68	31	362	164
37.5	13800/		105	360	610	24.02	760	29.92	840	33.07	75	34	476	216
50	7957		135	500	610	24.02	810	31.89	840	33.07	93	42	553	251
75	13200/		190	650	610	24.02	860	33.86	840	33.07	132	60	672	305
100	7620		210	850	740	29.13	940	37.01	910	35.83	141	64	742	337
167	12470/7200 or others		350	1410	760	29.92	1190	46.85	910	35.83	207	94	952	432

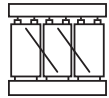
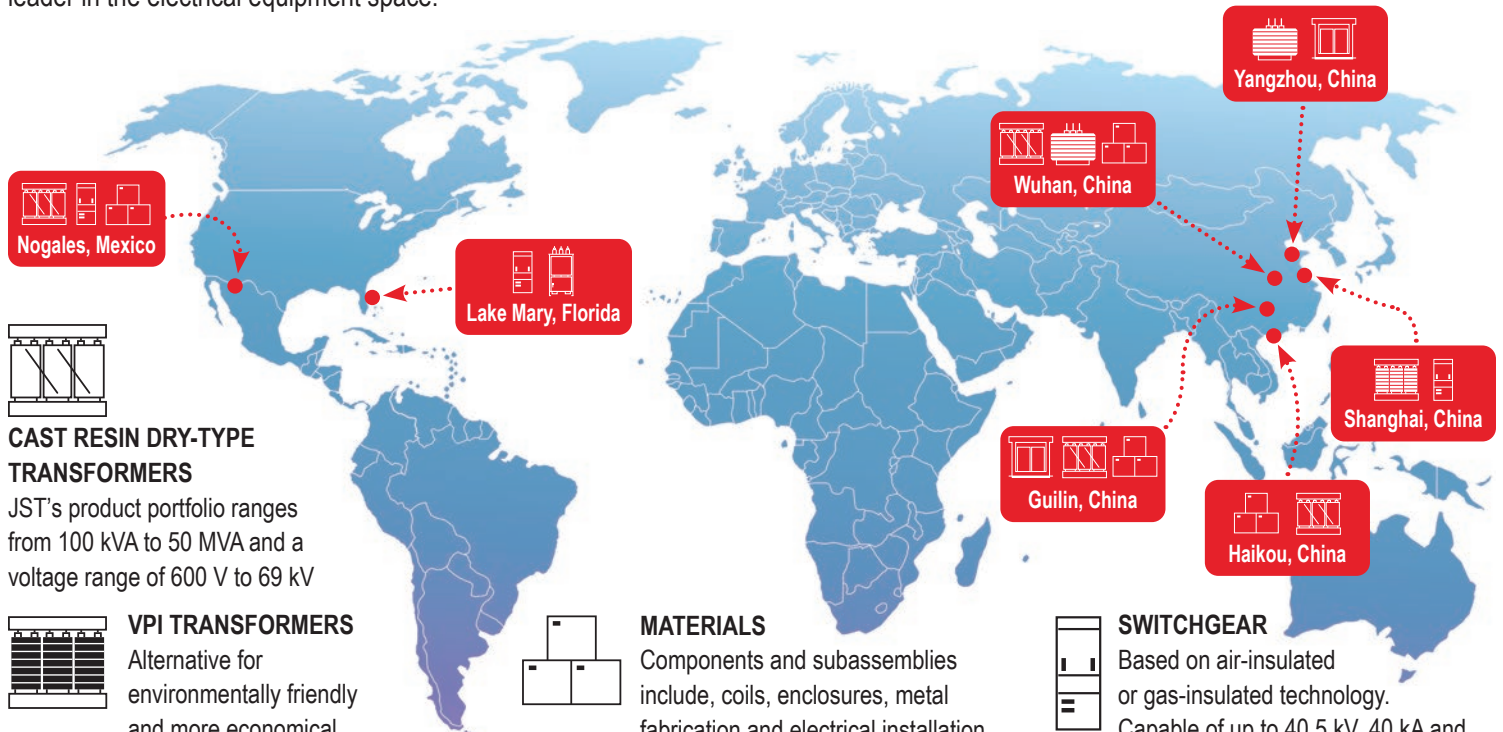
Single Phase Radial Feed

No.	Name	No.	Name	No.	Name	No.	Name
1	Bolt for Lifting	7	Ground Strap Copper	13	Bayonet Fuse / Dripping Tray	19	HV and LV Label
2	Parking Stand Bracket	8	H.V. Bushing Well	14	Hinged Door	20	kVA Size Label
3	LV Bushing	9	Grounding Terminal	15	Pentahead Bolt Arrangement	21	NON PDB Label
4	Equipotential Device	10	Name Plate	16	Oil Temperature Gauge	22	Steel Grade Label
5	Fill/Drain Plug	11	Pressure Relief Valve	17	Insert with Dust Cap	23	Oil Level Gauge
6	Core (Silicone Steel)	12	ELSP Fuse	18	Clamp (Removable)		



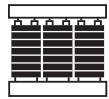
An Expanding Global Footprint with a Dynamic North American Presence

JST started in Haikou, China, in 1993, as a developer and manufacturer of high-tech, environmentally friendly power transmission and distribution equipment. Primarily a cast-resin transformer producer, the company's steady growth has resulted in JST evolving into a market leader in the electrical equipment space.



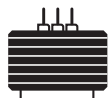
CAST RESIN DRY-TYPE TRANSFORMERS

JST's product portfolio ranges from 100 kVA to 50 MVA and a voltage range of 600 V to 69 kV



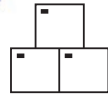
VPI TRANSFORMERS

Alternative for environmentally friendly and more economical requirements. Rated up to 23 MVA and 40 kV



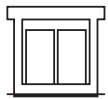
OIL FILLED TRANSFORMERS

Pad-mounted. Up to 5 MVA, 40.5 kV. Small power transformer units up to 60 MVA and 150 kV



MATERIALS

Components and subassemblies include, coils, enclosures, metal fabrication and electrical installation



PACKAGED SOLUTIONS

Includes LV and MV switchgear, transformers, inverters and auxiliary equipment such as lighting, HVAC and monitoring



SWITCHGEAR

Based on air-insulated or gas-insulated technology. Capable of up to 40.5 kV, 40 kA and a continuous current of 3,000 A



OUTDOOR BREAKER

Magnetically actuated breaker with 1ph and 3ph operating modes. Rated up to 15 kV, 2000 A, 31.5 kA

MANUFACTURING FACILITIES



Lake Mary, Florida



Nogaes, Mexico



Haikou, Hainan



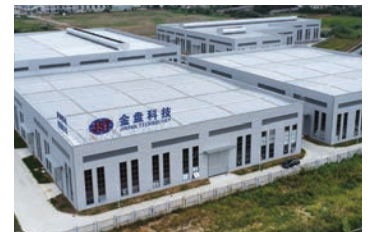
Wuhan, Hubei



Shanghai



Guilin, Guangxi



Yangzhou, Jiangsu



POWER EQUIPMENT

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