





Pad-Mounted Transformer

LSIS three-phase pad-mounted transformer is designed to protect environmental hazards. All transformers are developed and produced especially to satisfy exacting customer's exact specification. The latest applicable standards (ANSI, NEMA, IEEE) have been applied to all of LSIS transformers.

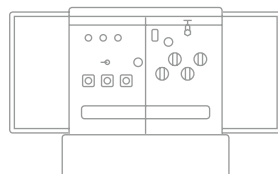
Three-phase pad-mounted transformers are available in live-front or dead-front designs. Both radial and loop feed configurations are built based on ANSI standards.

The dead-front bushing configurations are in accordance with ANSI C57.12.26, livefront per ANSI C57.12.22.

This establish to underground supply of electric power system burying processing distribution line in land as suitable transformer at beauty of city environment.

The quality of corrugated style radiator is superior to panel style radiator which is mainly used in existing. LSIS manufacture to have excellent cooling effect by corrugate cooling way and external appearance is beautiful. LSIS proven design offers excellent mechanical strength that has been proven through years of service and special testing. We are constantly trying our best to introduce innovative product to the transformer industry, bringing you the high quality transformer with competitive cost.

Contents



Features	30
Technical data	32



Pad-Mounted Transformer

LSIS are able to achieve compact design with 3D Modeling and high efficiency substation power transformer with high grade silicon steel and special type design that is to be easy transportation and installation.



Applicable specifications

Applicable standard	ANSI, IEEE, NEMA and IEC
Voltage	Up to 138kV
Capacity	Up to 50MVA
Available fluids	Mineral oil, silicon oil and FR3(Vegetable oil)
Tap changer type	DETC and OLTC

65 average winding rise

Unique step-stacked core and rectangular wound core

60Hz standard, optional 50Hz

Mineral oil, optional FR3

Operating voltages for 300kVA through 1,500kVA rating:

Operating voltages for 2,000kVA through 7,500kVA rating:

Impedance guidelines:

300kVA–500kVA : 2.8-5.0% nominal
 750kVA–2,500kVA :5.75% nominal
 3,000kVA–7,500kVA :consult LSIS Transformers.

High voltages(HV):

- 4,160Grd Y/2,400 V through 34,500 Grd Y/19,920V
- 2,400 through 34,500V Delta
- Various Dual high voltages

High voltages(HV):

- 12,470Grd Y/7,200V through 34,500 Grd Y/19,920V
- 4,160V through 34,500V delta
- Various dual high voltages

High voltage taps:

- All Voltages are available with 5 or 7 step taps
- Dual Voltage taps provided only on the higher voltage

Voltage taps:

- All voltages are available with 5 or 7 step taps
- Dual voltage taps provided only on the higher voltage

Low voltage (LV):

- 208Y/120V, 480Y/277V, 480V, 240V and 240V, with 120V mid-tap in one phase
- 4,160Y/2,400V, 4,160V, 2,400V

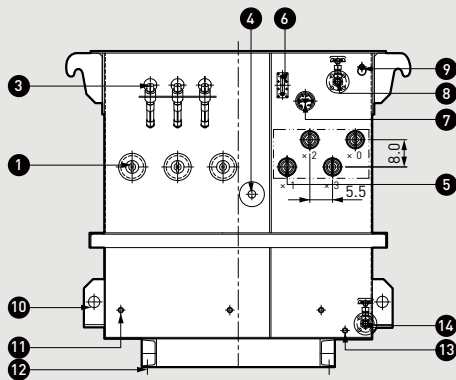
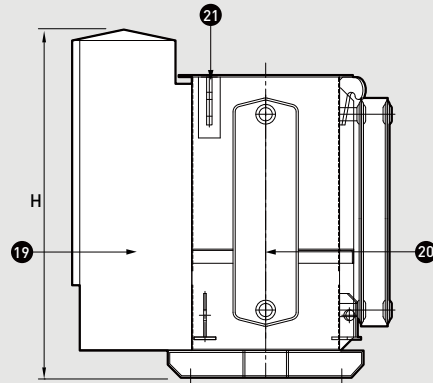
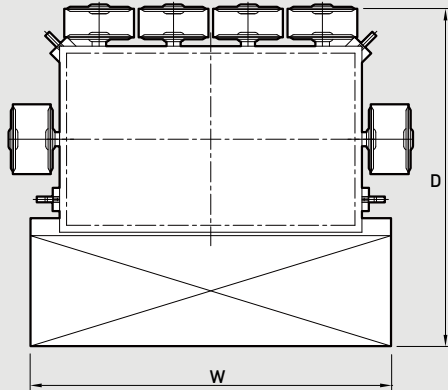
Low voltages (LV):

- 480Y/277V, 480V, 240V
- 4,160Y/2,400V, 4,160V, 2,400V

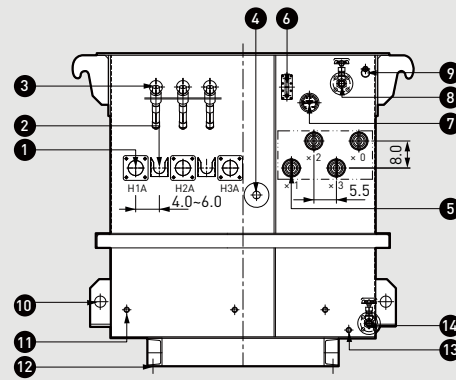
Primary insulation classes :35 kV, 200 kV BIL and below

Pad-Mounted Transformer

Technical Data



Dead front radial feed

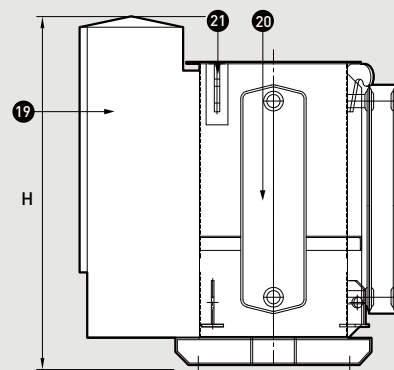
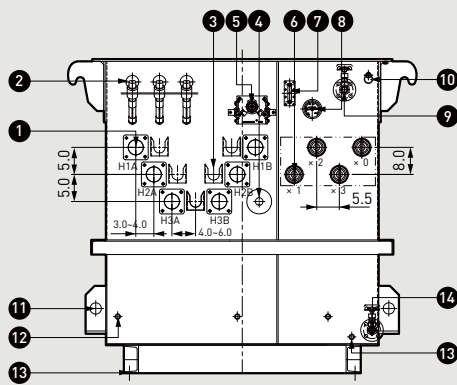
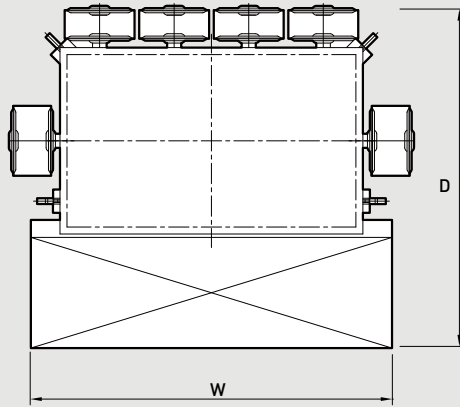


Live front radial feed

NO.	Description	NO.	Description
1	Primary bushing	12	Skid base
2	Parking stand	13	Oil sampling cork
3	Bay-O-Net fuse	14	Oil drain valve
4	OFF-circuit tap changer	15	Document packing stand
5	Secondary bushing	16	Fuse name plate
6	Oil level gauge	17	Door handle
7	Oil thermometer	18	Name plate
8	Oil filtering valve	19	Cable box
9	Pressure relife valve	20	Radiator
10	Jacking pad	21	Lifting lug
11	Earthing terminal		

H.V	12470V, 13200V, 13800V, 24940V				
L.V	480/277V, 208/120V				
Rating kVA	W	D	H	Oil Volume Gallons	Total Weight Lbs.
500	54	55	62	180	4,600
750	57	62	65	230	5,850
1,000	57	75	69	280	6,800
1,500	60	84	70	360	9,400
2,000	63	86	71	400	11,100
2,500	64	90	74	460	13,000
3,000	70	108	80	480	14,100
3,750	73	127	81	520	15,700

* UNIT : INCH



NO.	Description	NO.	Description
1	Primary bushing well	12	Earthing terminal
2	Bay-O-net fuse	13	Skid base
3	Parking stand	14	Oil sampling cork
4	OFF-circuit tap changer	15	Oil drain valve
5	Load break switch	16	Document packing stand
6	Secondary bushing	17	Fuse name plate
7	Oil level gauge	18	Door handle
8	Oil thermometer	19	Name plate
9	Oil filtering valve	20	Cable box
10	Pressure relife valve	21	Radiator
11	Jacking pad	22	Lifting lug

H.V		12470V, 13200V, 13800V, 24940V				
L.V		480/277V, 208/120V				
Rating kVA	W	D	H	Oil Volume Gallons	Total Weight Lbs.	
500	56	55	64	210	4,900	
750	59	62	67	250	6,000	
1,000	60	75	71	310	7,010	
1,500	62	84	72	390	9,850	
2,000	64	86	73	430	11,200	
2,500	66	90	76	490	13,200	
3,000	72	108	82	510	14,400	
3,750	75	127	83	550	16,000	