



Three-Phase Pad-Mounted Transformer



Wasion transformers are designed for applications in Rural & Urban Distribution, Commercial & Industrial sectors, and Agriculture, offering reliable, energy-efficient solutions that meet diverse needs.



Rural & Urban
Distribution



Commercial
& Industrial



Agriculture



Wasion Americas Inc.
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Wasion pad-mount transformers, manufactured in Mexico to stringent industrial standards, combine high-quality materials with robust construction, meeting the critical standards such as NEMA, ANSI, DOE, IEEE and CSA standards. These transformers are suitable for a wide range of commercial and industrial applications, including data centers, solar installations, utilities, manufacturing facilities, and retail environments.

Wasion transformers offer flexibility with both customized and standard configurations, powered by advanced automated equipment, a skilled technical team, and an efficient supply chain operation to ensure prompt delivery for all transformer needs. Using state-of-the-art 3D modeling, Wasion has engineered compact, high-efficiency distribution transformers crafted from premium silicon steel, designed for ease of transportation and installation.

Key Features & Differentiators

- Wasion three-phase pad-mounted transformers are designed to protect against environmental hazards and meet strict customer specifications.
- All transformers adhere to ANSI, NEMA, DOE, IEEE and CSA standards, with options for live-front or dead-front designs in both radial and loop feed configurations.
- Ideal for underground power systems, Wasion transformers enhance city aesthetics by enabling buried distribution lines.
- Wasion's high-quality corrugated radiators provide superior cooling and a visually appealing design.
- Proven to withstand rigorous conditions, Wasion transformers deliver reliable performance backed by years of testing and innovation for competitive, high-quality solutions.

Specifications

Base KVA Rating	45, 75, 112.5, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, 3000, 3750, 5000
Frequency	60 Hz or 50 Hz
Standard	ANSI, IEEE, CSA, DOE and NEMA
Cooling class	ONAN or KNAN
Temp Rise	65°C
Winding Material	Copper/Aluminum
Core Material	Silicon Steel
Oil Type	1. Type II Mineral Oil 2. FR3 Oil
Primary BIL	60 kV to 200 kV
Impedance	Standard impedance according to ANSI C57.12.26
Guidelines	

Operating Voltages for 45kVA through 1500kVA rating

High Voltages(HV)	4160GrdY/2400V through 34500 GrdY/19920V 2400 V through 34500 V Delta
High VoltageTaps	All Voltages are available with 5 step taps
Low Voltage (LV)	208Y/120V,480Y/277V,480V,600Y/347V,600V,240V, and 240V with 120V mid-tap in one phase 4160Y/2400V,4160V,2400V

Operating voltages for 2000kVA through 5000kVA rating

High Voltages(HV)	12470 GrdY/7200 V through 34500 GrdY/19920V 4160V through 34500V Delta
High VoltageTaps	All voltages are available with 5 step taps
Low Voltage (LV)	480Y/277V,480V,240V,600Y/347V,600V 4160Y/2400V,4160V,2400V

* Specifications of the products are subject to change without prior notice.

Standard Features

HV Bushing Config

- Dead-front or live-front
- Loop feed or radial feed

Fluid Options

- Type II Mineral Oil
- Envirotemp™ FR3™

Standard Gauge/Accessory Package

- Pressure relief valve
- Pressure vacuum gauge
- Liquid temperature & level gauges
- Drain & sample valve
- Adjustment taps

Switch Options

- 2 Position LBOR Switch
- 4 Position LBOR Switch (V-blade or T-blade)

Fusing Options

- Bay-O-Nets and CLFs

Construction

- 3-legged core or 5-legged core
- Rectangular wound copper or aluminum windings
- Carbon-reinforced or stainless steel tank
- Steel divider between HV and LV cabinets
- Penta-head captive bolt

Optional Design Features & Accessories

- Gauges with contacts
- External drain and sample valve
- Electrostatic shielding
- K-Factor design
- Surge arresters

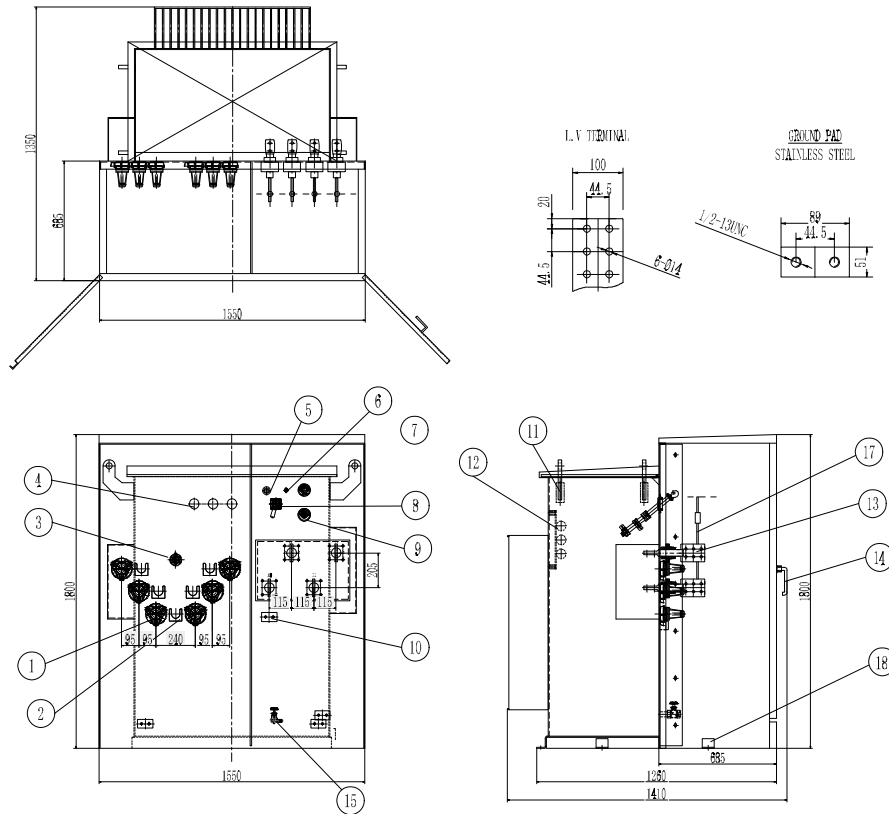
Typical Configurations

Available in live or dead-front designs with either radial or loop feed configurations, these transformers feature high-efficiency silicon cores, copper or aluminum windings, and NO PCB mineral oil or FR3 oil. Both configurations come with key components, including bayonet fuses, backup fuses, lift lugs, a tap changer, a pressure relief valve, gauges for vacuum pressure, oil level, and oil temperature, a fill plug, a drain valve with sampling, and optional load switches.

Feature	Radial Feed	Loop Feed
HV Dead-Front Bushings (Primary)	3 (six)	6 (six)
LV Spade Bushings (Secondary)	4 (three)	4 (three)
Bayonet Fuses	3 (three)	3 (three)
Backup Fuses	3 (three)	3 (three)
Lift Lugs	4 (four)	4 (four)
ANSI Standard Parking Stand Brackets	3 (three)	6 (six)
Ground Steel Pads	2 (three)	3 (three)
Load Switch (Optional)	2-position	4-position
Rating	45 kVA	300 kVA
Primary Voltage (V)	12,470	13,200 Delta
Secondary Voltage (V)	208 GrdY/120	480 GrdY/277
Frequency	60 Hz	60 Hz
Vector Group	Yyn0	Dyn1
Conductor	Aluminum	Aluminum
Insulating Oil	Mineral Oil	Mineral Oil
Impedance	2–6%	3.5–4.5%
Altitude	≤1,000 m	≤1,000 m
Core Form	Three-Phase Three-Column	Three-Phase Three-Column

This comprehensive approach ensures that Wasion transformers are well-equipped for various operational needs, from standard energy distribution to high-demand industrial setups, combining reliable construction with enhanced flexibility.

Dead Front - Loop Feed



No.	Description	QTY
1	HV Bushing with 200-Amp Bushing Well Inserts	6
2	Parking Stand Bracket	5
3	Tap Changer	1
4	Bayonet Fuse	3
5	Fill Plug	1
6	Pressure Relief Valve	1
7	Vacuum Pressure Gauge	1
8	Oil Level Gauge	1
9	Oil Temperature Gauge	1
10	Ground Steel Pads	3
11	Lifting Lug	4
12	Backup Fuse	3
13	LV Bushing with Stainless Steel Base	4
14	Door Handle	1
15	Drain Valve	1
16	Nameplate	2
17	Bushing Spade Support	4
18	Connected Steel-Plate	4

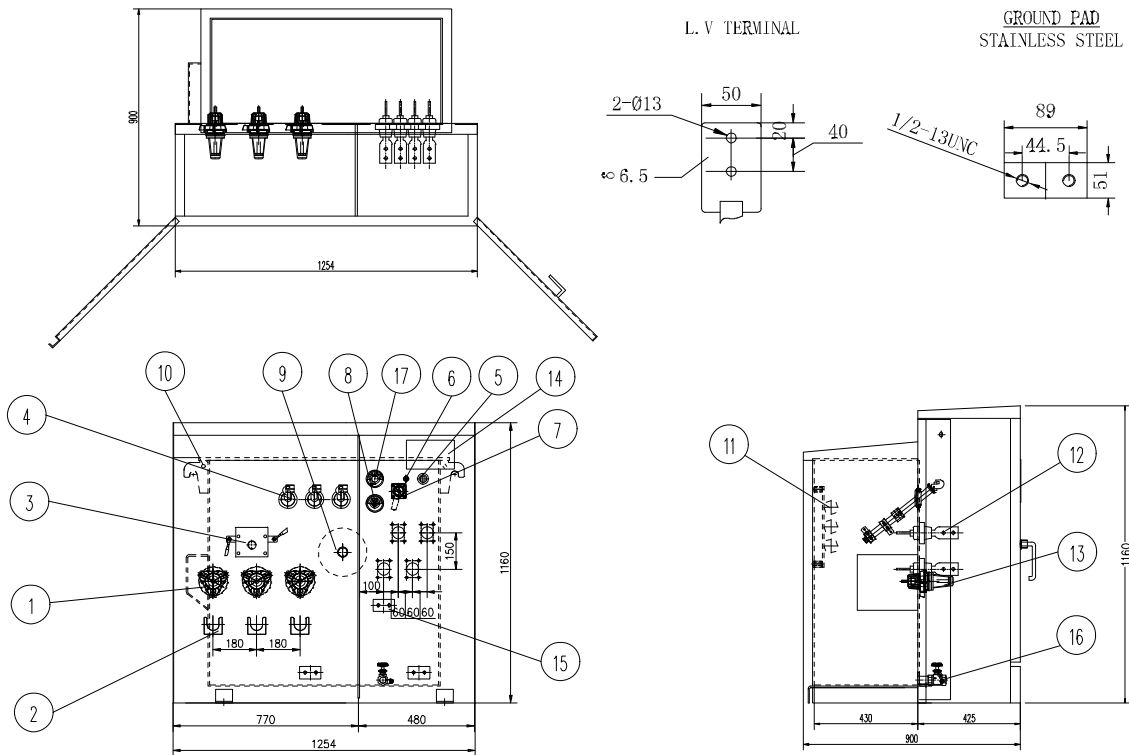
Note: The outline drawing and parameters above represent typical design data for a 300kVA model, provided for reference. Custom designs are available

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For further information about the product, please reach out to our sales team.

Wasion Americas Inc.

Dead Front - Radial Feed



No.	Description	QTY
1	HV Bushing	3
2	Parking Stand Bracket	3
3	2-Position Load Switch	1
4	Bayonet Fuse	3
5	Fill Plug	1
6	Pressure Relief Valve	1
7	Oil Level Gauge	1
8	Oil Temperature Gauge	1
9	Tap Changer	1
10	Lifting Lug	4
11	Backup Fuse	3
12	LV Bushing	4
13	Door Handle	1
14	Nameplate	1
15	Ground Terminal	2
16	Drain Valve	1
17	Vacuum Pressure Gauge	1

Note: The outline drawing and parameters above represent typical design data for a 45kVA model, provided for reference. Custom designs are available.



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