

# Oil Transformer Pad Mounted



Technology Transforming Power

## TRIPHASE TRANSFORMER PAD MOUNTED



Front view

Sealed transformer developed for applications where space is insufficient for the required installation of a conventional substation. Compression combined with integrated protections is its main feature, suitable for outdoor installation or underground. This equipment is mounted on a concrete base, with shielded compartment for the connections of high and low voltages, and the outward appearance of a mini-substation.

Offers security as to accidental contact to people or animals, keeping its energized pieces protected, so, only authorized people have access to control and protection system.

Developed for installation on sidewalks, squares, condominiums, schools or any place, that, for security reasons, is not allowed to use conventional transformers, such as areas with heavy pedestrian movement. Another advantage is the place of installation, because this equipment may be near the center of system loads, saving money with the electrical installation.

### STANDARD ACCESSORIES

- Cabine for HV and LV bushings with knob and key;
- Plates of indication and alert;
- Grounding terminal;
- Welded radiators;
- Internal base for fixation to ground;
- Suspension eyelet of the complete transformer;
- Oil level indicator - column type;
- Pressure relief valve without contacts;
- Fill Plug;
- Drainage Valve, filter press and sampling;
- HV bushing type short insert cavity;
- LV bushings NBR type with terminal flat bar;
- Tap Changer (if there are derivations);
- HV fuses Expulsion bayonet type;
- Current limiting fuses in HV.

### TECHNICAL STANDARD

Power: 75 to 2500 KVA;  
Number of phases: 3;  
Frequency: 60 Hz/ 50 Hz;  
HV Class: 7,2kV, 15kV, 24,2kV and 36,2kV  
LV class voltage: 1,2kV  
Execution standard: single front hub system for installations;  
Elevated temp. Oil/Winding: 60/65C;  
Insulating fluid: mineral oil;  
Enclosure grade: IP.54;  
The relevant standards NBR 5356/ANSI C57.12.26.  
Other features available upon request.



Front view ( HV door opened )



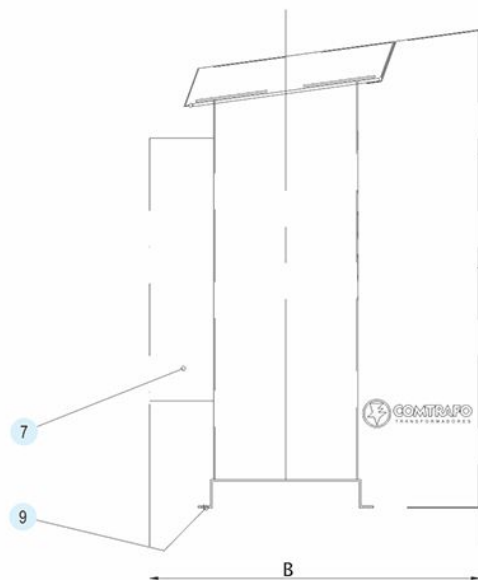
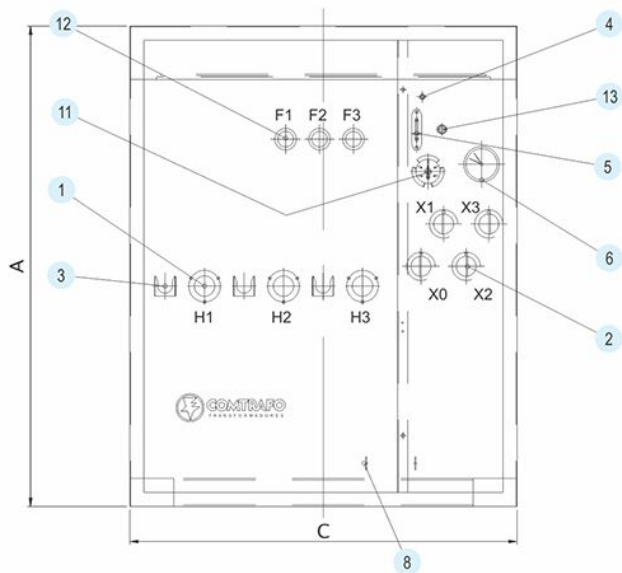
Front view ( HV opening after LV opening )

### OPTIONAL ACCESSORIES:

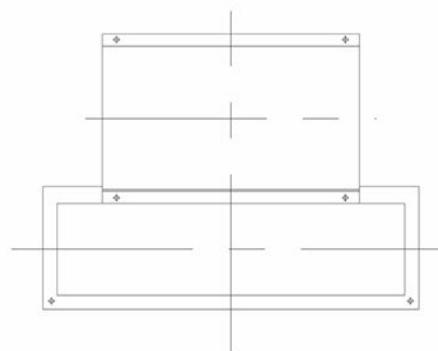
Fuses in the current BT type NH;  
Circuit at LV;  
Oil thermometer without contact;  
Insulating liquid level Indicator magnetic type;  
Insulating liquid: Silicone/Envirotemp;  
Support for resting of the HV bushings  
Manometer;  
Base for Jack;  
External base for attachment to the soil;  
Device for gas filling.

### TECHNICAL SPECIFICATIONS (UPON REQUEST)

Different powers, tensions in the HV/LV,  
temperature rise, insulation levels, etc.;  
Executions: front living for radial or ring system  
and single front ring system to:  
Other applicable standards.



FOUNDATION DETAIL



Side view

Compartment for acces to limiting fuse

**Legend**

- 01 - Bushing HV removable type pit
- 02 - Bushing LV
- 03 - Support for home feeder cable
- 04 - Pressure Relief Device
- 05 - Oil level sight
- 06 - Thermometer
- 07 - Fixed radiators
- 08 - Tank grounding
- 09 - Base Support
- 10 - Drain Valve
- 11 - Operation of tap changer
- 12 - Fuse holder bayonet
- 13 - Device for filter press

Classe (kV)	Potência (KVA)	Dimensões ( mm )							Massa ( Kg )
		A	B	C	D	E	F	G	
15	75	1450	1100	1250	730	1160	540	360	1350
	150	1700	1200	1370	810	1270	560	365	1580
	225	1800	1330	1350	920	1270	600	355	1930
	300	1800	1330	1450	1020	1020	580	335	2270
	500	1900	1500	1600	1020	1020	620	355	2600
	750	2100	1570	1650	1240	1480	600	415	3070
	1000	2100	1720	1800	1240	1500	620	455	3550
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COMTRAFO S.A., a company of the COMTRAFO Group, follows a policy of continuous improvement in the improvement of its products. Therefore, this information catalog is subject to change without prior notice.

*Line of Manufacture:*

*Transformers of dry distribution encapsulated in epoxy resin under high vacuum;*

*Distribution transformers oil insulated - hermetically sealed line;*

*Oil-insulated distribution transformers - Conventional line;*

*Distribution transformers oil insulated - Pedestal line;*

*Transformers and auto-transformers oil insulated - line Force;*

*Special transformers.*



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