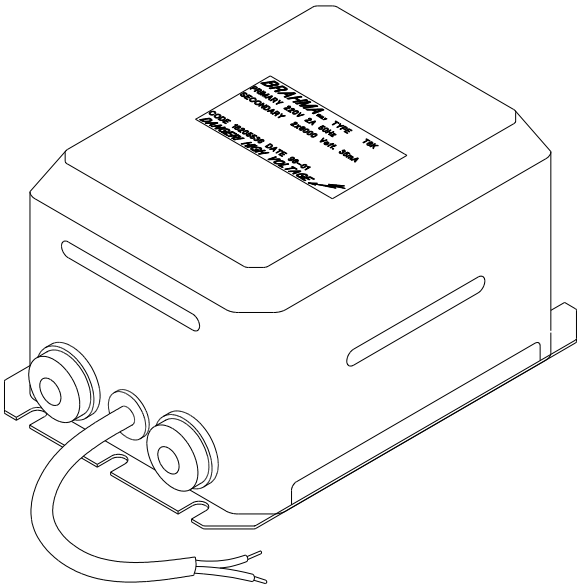
IGNITION TRANSFORMERS TYPES T8.. T18..



DESCRIPTION

The ignition transformers type T8… - T18… have the same overall dimensions, but different electric features and fixing systems.
These transformers are used in different applications depending on their electric features, i.e.:

- The T8/… transformers are suitable for high thermal power burners or pressurised burners for light or heavy oil, also subjected to a high number of restarts (steam boilers, cooking ovens, ...)
- The T18/... transformers, which are designed for permanent operation, are suitable for the application on industrial machines (e.g. water cleaners) liquid or gaseous fuel

FEATURES

Followings are the main features of this series:
- various connection and fixing systems;
- high discharge power;
- high efficiency and ignition power.

TECHNICAL DATA

- **Supply voltage:** 220V - 50Hz (different voltage and frequency values are available on request)
- **Operating temperature range:** -10°C +35°C
- **Isolation:** polyester resin
- **Recommended distance between the electrodes:** 3÷5mm
- **Supply cable standard length:** 700 mm

	T8/...	T18/...
Number of poles	2	2
Output RMS voltage (KV) (1)	2 x 6.5	2 x 4.5
Output peak voltage (kV) (1)	2 x 11	2 x 7.5
Output effective current (mA) (2)	33	18
Input effective current (A) (2)	2.1	0.9
Duty cycle	33% in 3 minutes	100%
Power consumption (VA) (2)	460	200
Weight (Kg)	3.5	3.7

(1) no-load output.
(2) short circuit secondary.

CONSTRUCTION

This series consists of column-type transformers, i.e. ignition transformers fitted with 2 primary windings and 2 secondary windings, except for type T16/D which is a shell-type transformer. All types are isolated by a special high isolation separator. High voltage isolation is achieved by means of a special kind of vacuum cast polyester resin.
The housing is made of stove enamelled pressed metal.
Each transformer is specified by the letter T (transformer), by one or more figures indicating the model and sometimes by some letters referring to the particular fixing system, i.e.:

T XX / X
- XX: model
- X: fixing system

If the fixing system used is standard, the corresponding reference letter is not inserted in the part reference.
For instance, the part reference T8 refers to a transformer with standard fixing system, whereas the part reference T8/G corresponds to a T8 transformer with different fixing system (see Fig.2, type G).
The transformers of this series can have the same electric features but different fixing systems, or vice versa.

OVERALL DIMENSIONS
Fig.2 shows the main overall dimensions and the various fixing systems of these transformers.

CONNECTION
The high voltage isolators employed in this series of transformers are of two different types (see Fig.1), according as the connection with high voltage cables occurs by means of a screw or of a 6.3 diameter cylindrical terminal type Rajah.

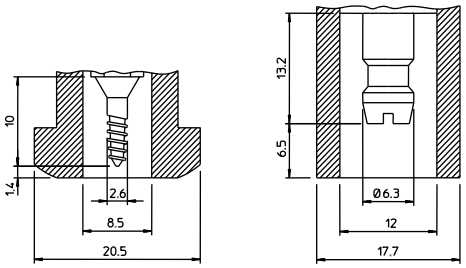
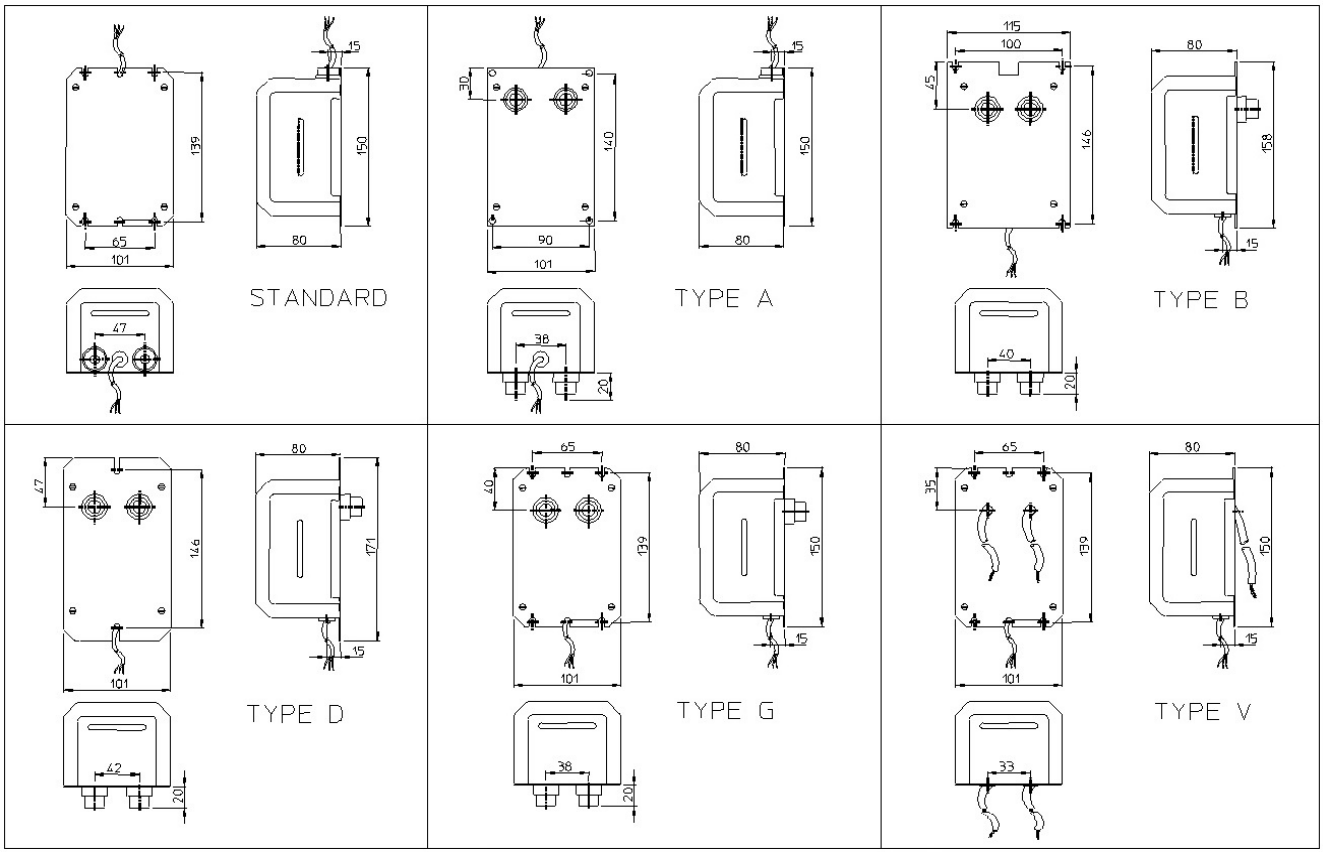


Fig.1

If not expressly mentioned, the connection terminal used is a screw terminal. Both isolators are made of ceramic.

INSTALLATION
- Caution! There might be dangerous voltages.
- Connect and disconnect the ignition transformer only after switching off the power supply.
- Respect the applicable national and European standards (e.g. EN 60335-1 / EN 60335-2-102) regarding electrical safety.
- Make sure that the earth of the transformer and the earth of the electric system are well connected.
- Arrange a single earth center, thus preventing earth conductors from creating ring paths.
- The device can be mounted in any position.
- Reduce the ignition cable length to a minimum (this reduces stray capacitance and the possibility that the ignition cable acts like an antenna transferring interference to the nearby cables).
- Make ignition cables follow a separate path close to ground planes (this reduces the influence of interference on the remaining electrical wires).
- Avoid placing high voltage cables close to other cables.
- Make sure the protection degree is suitable to the system.



Note: The images are representative and should therefore be considered only for fixing purpose.

Fig. 2

NOTES ABOUT PRODUCT DISPOSAL
The device contains electronic components and cannot therefore be disposed of as normal household waste.
For the disposal procedure, please refer to the local rules in force for special waste.

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