

KTITO UNITIZED TRANSFORMER SUBSTATIONS, TMTO TRANSFORMERS rating 80 kV·A with a voltage 380 /55-95 V

Unitized transformer substations for outdoor installation of KTITO type are intended for electric heating and for other processes of electrical thermal treatment of concrete and frozen soil and have automatic function of temperature regulation. The substations are also used for power supply of temporary lighting systems and of three-phase handheld tools with a voltage 42 V under building sites conditions. Normal functioning of KTITO is ensured within ambient temperature from -45°C to $+10^{\circ}\text{C}$. Substations are equipped with TMTO-80/0.38 three-phase triplewound transformers of natural cooling. KTITO are equipped with interlockings ensuring safety of attending personnel.

KTITO design provides function of feeding an additional consumer of 380 V voltage and 10 A current, as well as remote and automatic control of power transformer operation. In remote regime the control is realized through the post with control buttons, this post being removed from the zone of electric heating.

Technical specifications:

Voltage steps at no-load on MV-side, V	55, 65, 75, 85, 95
Current on MV-side, A:	
- at 55-65 V voltage	520
- at 75-85-95 V voltage	471
Rated power of LV winding of power transformer, kV·A	2.5
Rated voltage on LV-side of power transformer, V	42
Temperature regulation range, $^{\circ}\text{C}$	0 - 100

