

# KTPIIH SERIES UNITIZED TRANSFORMER SUBSTATIONS

## rating 100 - 250kV·A, with a voltage 6(10) kV

KTPIIH series unitized transformer substations for immersion electric pumps are designed for energy supply, control and protection of electric motors for immersion electric pumps rating 16 – 125 kW, on separate oil wells. Substations can be operated under moderate and cold climatic conditions (from - 60°C to +40°C).

If required, they can be used for power supply of electric motors for pumping jacks with load current up to 60 A. HV lead-in is of air (overhead) type, 0.4 kV outgoing lines are of cable type. KTPI are equipped with interlockings providing safety of attending personnel.

KTPI is furnished with a facility allowing to roll in/roll out a power transformer.

KTPI are equipped with plug-and-socket connectors and switches for connecting current collectors of 380 V three-phase voltage with load current to 60 A, and of 220 V single-phase voltage with current to 40 A.

KTPIIH substations to be installed on tamped sites or on footings.

Parameter denomination	Parameter value	
	KTPIIH-100/10	KTPIIH-250/10
Rated power of power transformer, kV·A	100	233
LV rating, kV	6 (10)	
Rated current on HV side, A	9,63 (5,78)	22,45 (13,47)
Limits of medium voltage regulation steps, V	1602 - 846	2406 - 1652
Rated current on MV side, V	36	56
Rated voltage on LV side, V	400	
Rated power on LV side, kV·A	50	75

