ENERGOINVEST
Rasklopna Oprema a.d.

INDUCTIVE VOLTAGE TRANSFORMERS WITH OIL INSULATION FOR VOLTAGE LEVEL 24 kV -36 kV
TYPE NT AND UH

TO SPECIFY FOR AN ORDER

- Rated net voltage
- Rated frequency
- Rated secondary voltage
- Rated output
- Accuracy class
- Rated voltage factor
- Ambient temperature
- Insulator creepage distance
- Altitude
- Standard

UPON A SPECIAL REQUEST

- Insulators with extended creepage distance
- Dimensions of high voltage primary terminals other than quoted

DESCRIPTION

- There are the two variants of these transformers:
  NT 1-24 single - phase insulated
  UH 6-14 B single - phase insulated
  UH 7-14 B single - phase insulated
  NT 2-24 two - phase insulated
  UH 7-25 two - phase insulated

- The active part of the transformer is immersed in a hermetically sealed, rectangular or cylindrical, vessel with oil. The whole assembly is welded and oil-tight. The complete vessel is filled with oil. Primary winding is a multi-layer cylindrical one, wound in such a way to provide a convenient arrangement of radial and axial electric field, resulting in its ability to withstand power frequency overvoltages and impulse voltages. Very high dielectric strength with small losses is obtained by means of especially shaped high voltage winding as well as by a very careful process of drying and impregnation.
  The magnetic core is of a standard type, made out of high quality magnetic steel sheets with very low losses.The transformers can also have a winding for open delta (rated voltage 100/3 ili 110/3).

- Features
  -high ability to withstand overvoltages
  -low dielectric losses
  -possibility of installation in any positions

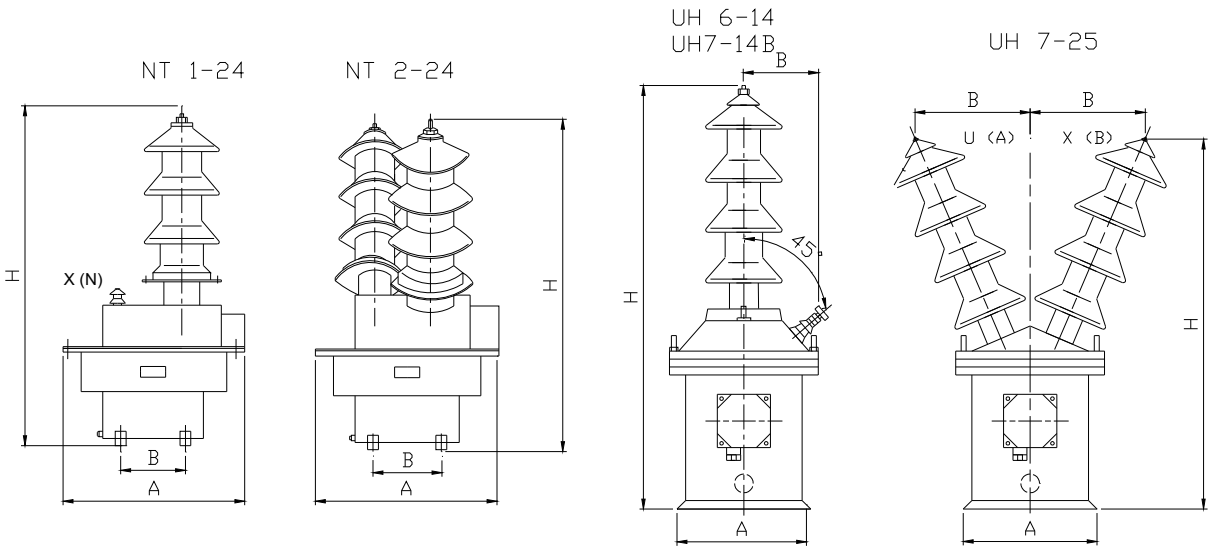
STANDARDS

Inductive voltage instrument transformers are in accordance with IEC, JUS, ANSI, BS or some other standards upon request.

APPLICATION

Transformers type NT 1-24, UH 6-14B, UH 7-14B, NT 2-24 i
UH 7-25 are intended for outdoor installation in power and switchgear plants. They are used for measuring of high voltages and for feeding of voltage circuits of measuring and protective devices.
Transformers type NT 1-24, UH 6-14B i UH 7-14B are intended for connection between phase and earth and UH 7-25 for connection between phases.

TECHNICAL CHARACTERISTICS



Type			NT 1-24	NT 2-24	UH 6-14	UH 7-14B	UH 7-25
Highest voltage for equipment		kV	24	24	24	36	36
Power frequency withstand voltage 1 min		kV	50	50	50	70	70
Impulse withstand voltage 1,2/50μs full wave		kV	125	125	125	170	170
Rated frequency		Hz	50 or 60				
Flashover distance (minimum)		mm	≥220			≥320	
Insulator creepage distance		om/kV	≥1.6				
Rated primary voltage		kV	$\frac{20}{\sqrt{3}}$	20	$\frac{20}{\sqrt{3}}$	$\frac{35}{\sqrt{3}}$	35
Rated output		VA	30-250				
Accuracy class	For measurement		0,2-0,5-1				
	For protection		3P-6P				
Rated thermal output		VA	450	450	450	450	450
Rated voltage factor			1,5/30 sec or upon request				
Number of secondary windings			1 or 2				
Rated secondary voltage		V	100-100/$\sqrt{3}$-110/$\sqrt{3}$ or upon request				
Residual voltage winding		V	100/3-110/3 or upon request				
Total mass (weight)-approximatelly		kg	55	65	100	105	115
Dimensions	A	mm	360	360	310	310	310
	B	mm	140	140	222	222	270
	H	mm	640	620	782	882	818

Note:
All data contained herewith are to be considered as information only.
The manufacturer reserves all rights for changes for the purpose of technical improvement.
A list of guaranteed values with dimension drawing attached should be submitted upon Customer's request.

Bosnia and Herzegovina- Republic of Srpska, 71123 I. Sarajevo, Vuka Karadžića 17

Switchboard: +387 57 342 180, General Manager:+387 57 342 549, 343 354, Commercial Director: +387 57 340 353, 342 326

Telefax: +387 57 340 357, 340 356, e-mail: office@e-raop.com

www.e-raop.com