SINGLE-PHASE **UI**
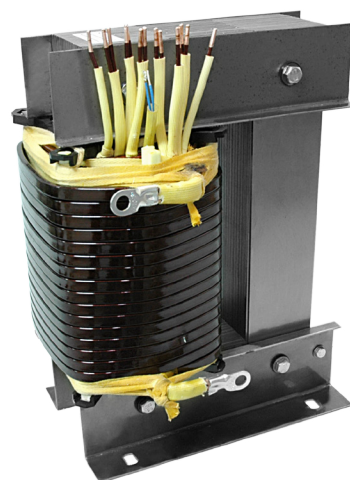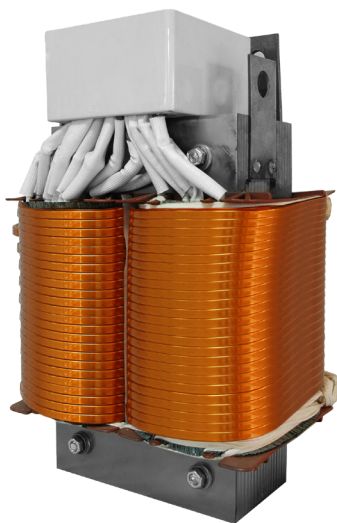## TRANSFORMERS

INTRODUCTION

IP protection on UI core transformers correspond to: IP00, IP23 and IP54. Transformers are manufactured according to EN 61558 and IEC 726, as well as CE, LVD, EMC and RoHS. Input and output vol- tages, characteristics, fixing and connection are defined by order. Demension in the table are available for normal, continuous charge.

In our production we perform 100% control of every particular unit. We have possibility of making custom made transformers on request. Our tradition is 40 years in transformers business, and we export 90% of our production.

SAMPLES OF TRANSFORMERS

RoHS CE

COMPARATIVE ADVANTAGES

We can provide preferential origin certificate for our products for the use of free trade agreements which can provide importing our transformers to your countries without custom taxes. Those countries or trade unions are: EU, Russian Federation, Belarus, Kazakhstan, Turkey, CEFTA, EFTA, and USA. By importing our transformers to the countries listed above your company pay only 0% or 1% of custom taxes in the moment of import.
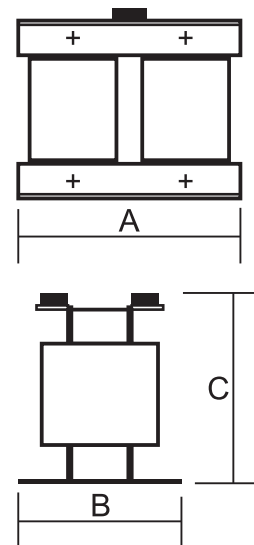
CHARACTERISTICS

Size	Power	Max. dimension in mm				Weight
	kVA	A	x	B	x	C	kg
UI 30/10-16	0,004-0,012	40		28-34		80	0,1-0,3
UI 39/13-20	0,01-0,025	50		35-40		90	0,3-0,5
UI 48/17-26	0,02-0,05	60		40-50		105	0,6-0,8
UI 60/21-31	0,05-0,15	80		53-63		125	1,1-1,6
UI 75/26-41	0,15-0,25	100		67-82		150	2,5-3,5
UI 90/31-41-51	0,2-0,5	120		76-86-96		175	4,3-6,5
UI 102/36-46-57	0,35-0,6	135		82-93-103		195	6,5-9
UI 105/37-45-55	0,4-0,7	140		88-95-105		200	7-9,5
UI 114/40-64	0,65-1	150		90-114		220	9-13
UI 120/41-51-61-71	0,8-1,5	160		95-105-115-125		265	11-17
UI 132/46-60-72	1-2	175		106-120-132		290	14-20
UI 144/50-70-80	1,5-2,5	190		120-140-150		310	16-26
UI 150/52-65-77	2-3	200		130-143-155		320	21-28
UI 150/92-103	3-4	200		162-173		320	30-39
UI 168/58-75-92	2,4-4,5	230		138-155-172		345	31-43
UI 180/63-78-93	3,2-5,7	240		153-168-183		365	36-60
UI 210/63-73-88	5-7,5	280		163-173-188		430	48-65
UI 210/103-133	7,5-12	280		203-233		430	76-95
UI 240/83-110-140	12-25	320		193-220-250		480	70-110

By: JP/0 is AxBxC=AxBxC in table;KDV/4 is AxBxC=CxBxA in table;

Transformers dimensions:
A - Lenght
B - Breadth
C - Height

STANDARDS

This information is only given for as a guide, but you may request a test report for confirmation. Our transformers and windings are produced according to European or International Standards,

EN 61558-2-1 : Low capacity power insulation transformers (≤ 1 KVA single phase, ≤ 5 KVA three phase).
EN 60076 : Power transformers.
EN 61558-2-2 : Control transformers.
EN 61558-2-4 : Isolating transformers.
EN 61558-2-6 : Safety isolating transformers.
EN 61558-2-13 : Low capacity power autotransformers.
EN 61558-2-15 : Isolating transformers for the supply of medical locations.
EN 60947-4-1 : Start-up autotransformers three phase motor.
EN 61558-2-20 : Reactors

The insulations used between layers:
Class B (maximum temperature 130º C),
Class F (maximum temperature 155º C),
Class H (maximum temperature 180º C)

PROTECTION AGAINST DIRECT CONTACT

For the enclosed type transformer, the equipment is protected by a metallic enclosure as per NF EN 60529 and NF EN 62262 standard:
IP 21 – IK 08, except at the bottom
IP 55 – IK 08 or other on request.

AUTOTRANSFORMER

An autotransformer has only one winding rated for the highest voltage. The lowest voltage is obtained on the middle tap changer.
Therefore, there is no insulation between circuits and use of this type of transformers must not be used as a safety transformer or to achieve circuit separation. However, the autotransformer is a very economical solution to obtain a voltage change. For a same power and voltage ratio, an autotransformer is smaller and has a better efficiency than a transformer.
(ex. : a 10 KVA autotransformer will be the same size as a 4 KVA transformer).
Our autotransformers have a compensation tap to ensure real reversal feed.

CONTROL

All our equipment and winding characteristics are systematically tested.
On request, we can provide a test report to the customer.

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