

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 voltages, characteristics, fixing and connection are defined by order. Demension in the table are available for normal, continuous charge.

Characteristics

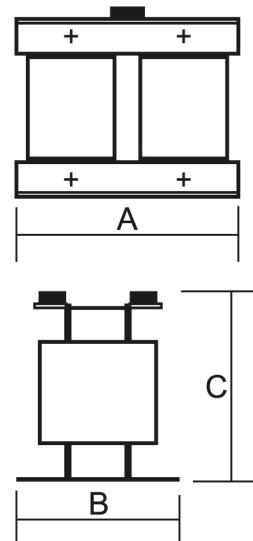
Size	Power	Max. dimension in mm			Weight	
		A	x	B		
UI 30/10-16	0,004-0,012	40		28-34	80	0,1-0,3
UI 39/13-20	0,01-0,025	50		35-40	90	0,3-0,5
UI 48/17-26	0,02-0,05	60		40-50	105	0,6-0,8
UI 60/21-31	0,05-0,15	80		53-63	125	1,1-1,6
UI 75/26-41	0,15-0,25	100		67-82	150	2,5-3,5
UI 90/31-41-51	0,2-0,5	120		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

Transformers dimensions:

A - Length

B - Breadth

C - Height



By:

JP/0 is $A \times B \times C = A \times B \times C$ in table; **KDV/4** is $A \times B \times C = C \times B \times A$ in table;



Single-phase UI transformers



RoHS



Characteristics and 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,

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

The insulations used between layers:

- Class B (maximum temperature 130° C),
- Class F (maximum temperature 155° C),
- Class H (maximum temperature 180° 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.

Vacuum impregnation:

To avoid moisture absorption,
To stop wear due to vibrations,
To improve thermal exchange,
To reduce noise level

Control:

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

Technological progress and updating of standards can lead us to modify the dimensions and characteristics of the products appearing in this document without advance notice.

