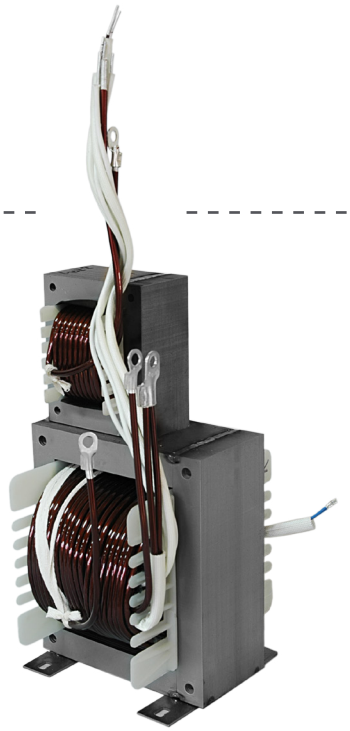
SINGLE-PHASE **EI**
TRANSFORMERS

INTRODUCTION

Single - phase Transformers on EI Core are available as Control, Isolating and Safety-isolating transformers and correspond EN 61588, as well as CE, LVD, EMC and RoHS. Input and output voltages, cha- racteristics, fixing and connection are defined by order. Dimensions in the table are informative. Presenting powers 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

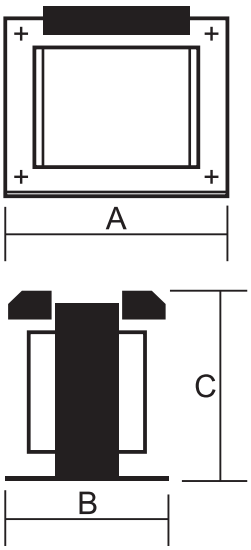
COMPARATIVE ADVANTAGES

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
	VA	A	x	B	x	C		kg
EI 30/10-18	0,5-2	30		26-33		35		0,1-0,2
EI 38/13	2	38		31		50		0,18
EI 42/14-20	3-5	42		32-38		55		0,2-0,3
EI 48/16-20	5-10	48		43-51		69		0,25-0,35
EI 54/18	8-15	54		45		74		0,4
EI 60/21-25-31	12-30	60		55-59-65		82		0,5-0,8
EI 66/23-34	25-35	66		59-71		87		0,75-1
EI 78/27-36	30-60	78		64-73		101		1,1-1,5
EI 84/29-32	50-75	84		66-69		107		1,5-1,8
EI 84/38-43-52	70-110	84		75-80-88		107		1,9-2,2
EI 96/35-45-59	100-240	96		77-87-101		121		2,3-3,7
EI 105/37-45-60	140-280	105		79-87-102		134		2,7-4,3
EI 106/33-46	150-220	106		89-102		137		2,6-3,8
EI 108/36-52-65	130-270	108		78-92-105		136		3,2-4,8
EI 120/41-53	180-300	120		88-100		149		4,5-5,5
EI 120/61-53	280-500	120		108-120		149		5,8-7,3
EI 135/42-52-57	320-460	135		95-105-115		163		5,5-7,2
EI 135/62-72	400-550	135		115-125		163		7,5-9
EI 150N/50-66-92	450-900	150		107-124-150		180		7-13,5
EI 170/66-76	600-1200	170		161-171		200		13,8-18,5
EI 174/62-72	600-900	174		128-138		200		14-16,5
EI 174/82-102	800-1200	174		148-168		200		17-21
EI 192/66-70-82	1000-1500	192		138-142-154		220		15-22
EI 192/92-100-110	1400-2200	192		164-172-182		220		24-30
EI 231/100	2000-3000	231		200		260		25-44

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



By:
PV/0, ZT/0 is AxBxC=AxBxC in table;
PV/1, ZT/1 is AxBxC=CxBxA in table;
PV/4, ZT/4 is AxBxC=AxCxB in table

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 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.

CONTROL

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