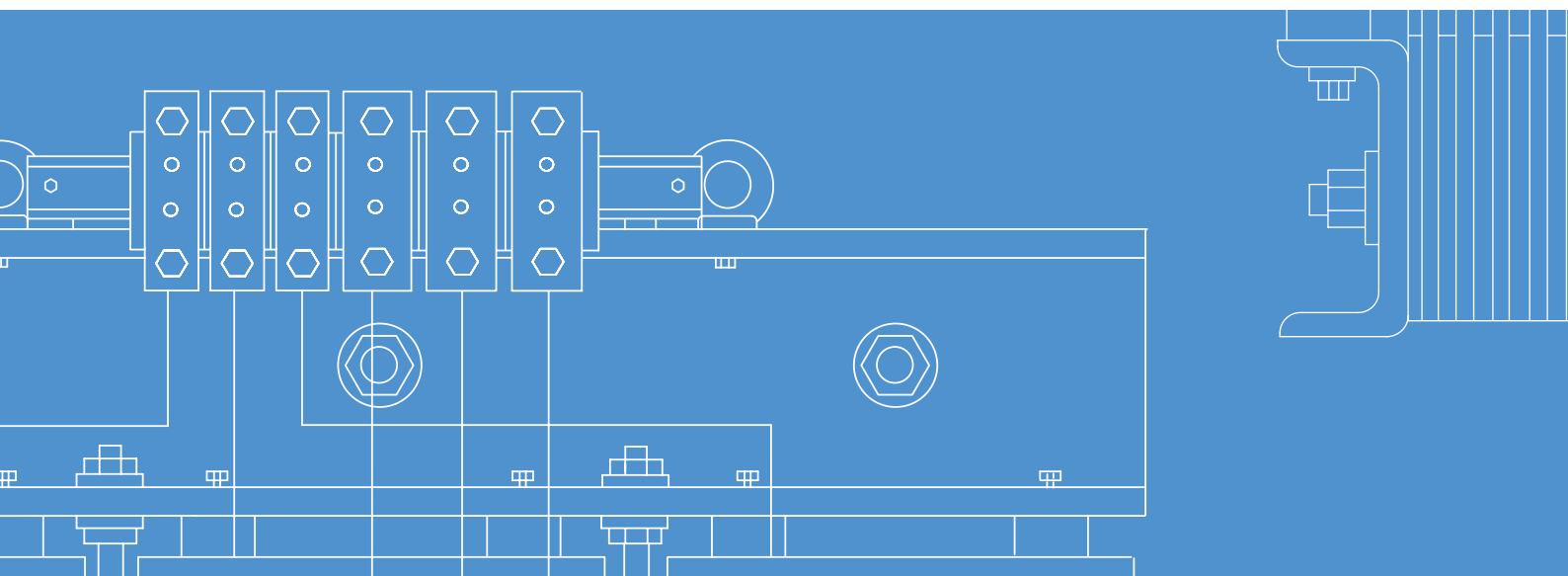


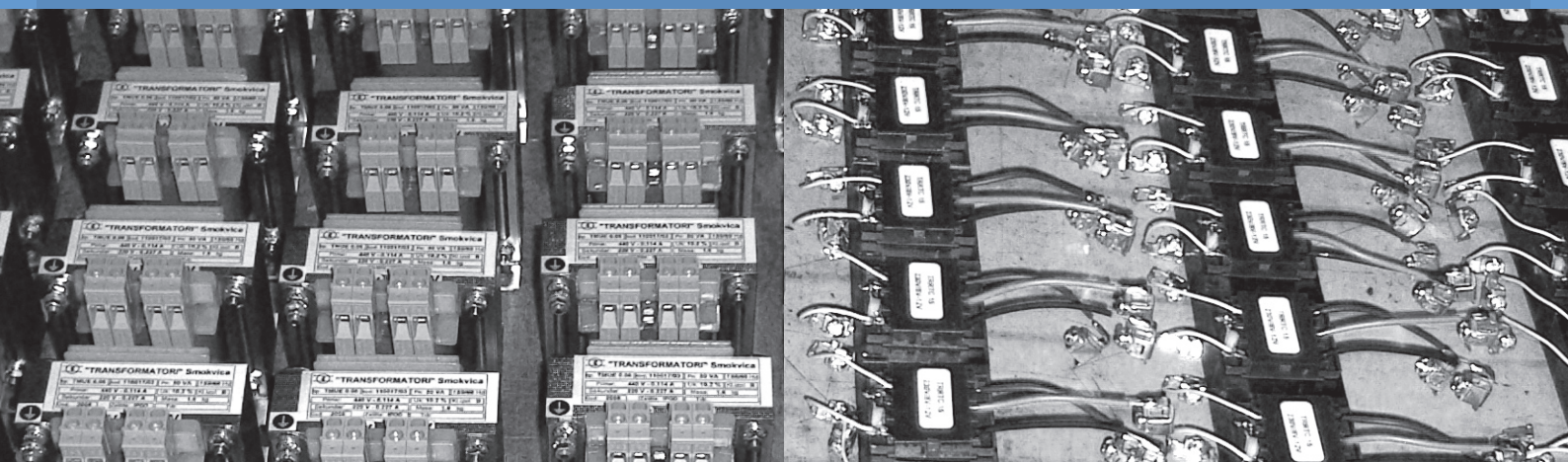


Transformatori





Transformatori



Transformatori





Tvrtka Transformatori d.o.o. osnovana je 1980 god. i od tada pa sve do danas djeluje bez prekida. Danas se tvrtka nalazi u 100% privatnom vlasništvu i zapošljava 18 djelatnika. Osnovna djelatnost tvrtke je proizvodnja transformatora i prigušnica.

Kupci naših proizvoda na domaćem tržištu su: **KONČAR - INEM, KONČAR D&S, KONČAR - KET, Hrvatske željeznice i Hrvatska brodogradnja.** A što se tiče plasmana van Hrvatske najveći dio plasiramo u Italiju.

Kvaliteta izrade naših proizvoda je u skladu s preporukama IEC-a a prema atestima BUREAU VERITAS-a, DNV i HRB.

Od prvih dana proizvodnje tvrtka polaže najveću pažnju na kvalitetu svojih proizvoda te zadovoljstvo svojih kupaca.

U želji za konstantnim unapređivanjem sustava kvalitete tvrtka je 2007 god. usvojila sustav upravljanja kvalitetom ISO 9001: 2000 .

The company Transformatori d.o.o. was established in 1980 and has since then operated without interruption. Today the company is in 100% private ownership and employs 18 workers. The basic activity of the company is the manufacturing of transformers and inductors.

Our main customers on the local market are: **KONČAR-INEM, KONČAR D&S, KONČAR-KET, HRVATSKE ŽELJEZNICE and Croatian shipbuilding industry.** Our largest export market is Italy.

Our product manufacturing standards correspond to IEC recommendations as well as BUREAU VERITAS, DNV and CRS certification.

Since our first day of production this company has paid a great deal of attention on the quality of our products as well as on customer satisfaction.

We are constantly trying to advance our quality control system, in 2007 the company adopted the ISO 9001 - 2000 quality control system.

Detalji o tvrtki / Company details

Transformatori d.o.o.

20272 Smokvica, Smokvica b.b.
Hrvatska / Croatia

Tel./Fax.: +385 20 831 084
E-mail: trafo@transformatori.hr
WEB: www.transformatori.hr



Tipske oznake i kodovi transformatora

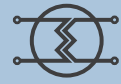
TIPSKJE OZNAKE

OZNAKA	ZNAČENJE
TMUE	Trafo jednofazni ugradni na EI jezgri
TMUE / Z	Trafo jednofazni ugradni na EI jezgri zaliveni
TMUC	Trafo jednofazni ugradni na C jezgri
TMQR	Trafo jednofazni ugradni na rezanoj jezgri
TMQR / K	Trafo jednofazni na rezanoj jezgri u kućištu
TTQR	Trafo trofazni ugradni na rezanoj jezgri
TTQR / K	Trafo trofazni na rezanoj jezgri u kućištu
TTQR - A	Trafo trofazni na rezanoj jezgri izrađen iz 3 jednofazna trafoa
TTQRK - A	Trafo trofazni na rezanoj jezgri u kućištu izrađen iz 3 jednofazna trafoa

KODOVI

OZNAKA	ZNAČENJE
110017/01 - 110017/18	Jednofazni trafo na EI jezgri snage 10 VA do 3000 VA
112217/01 - 112217/17	Jednofazni trafo na C jezgri snage 10 VA do 3000 VA
220010/01 - 220010/18	Jednofazni trafo na rezanoj jezgri snage 3 kVA do 315 kVA
330010/01 - 330010/24	Trofazni trafo na rezanoj jezgri snage 1.5 kVA do 500 kVA
440010/01 - 440010/10	Trofazni trafo iz 3 jednofazna na rezanoj jezgri snage 10 kVA do 300 kVA

* Prvih 6 brojeva definiraju tip transformatora dok zadnja dva broja definiraju tipsku snagu.



Types of signs and codes of transformers

TYPES OF SIGNS

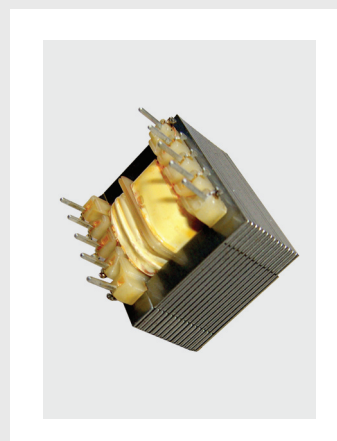
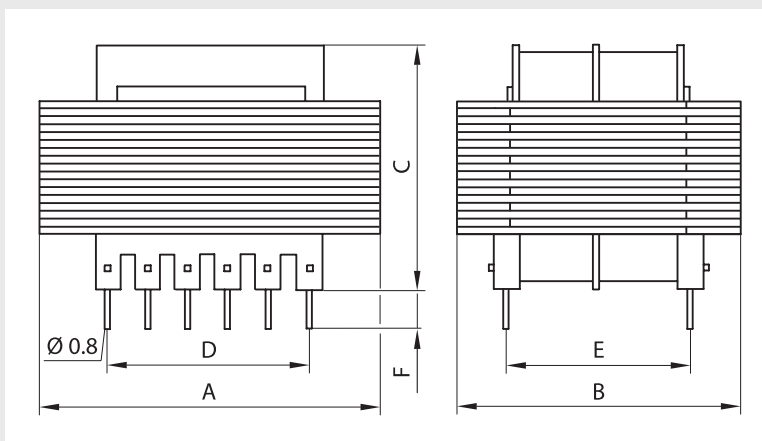
SIGNS	DEFINITION
TMUE	Installed single-phase transformer on EI core
TMUE / Z	Installed single-phase transformer on EI coated core
TMUC	Installed single-phase transformer on C core
TMQR	Installed single-phase transformer on cut core
TMQR / K	Single-phase transformer on cut core in transformer box
TTQR	Installed three-phase transformer on cut core
TTQR / K	Three-phase transformer on cut core in transformer box
TTQR - A	Three-phase transformer on cut core made from 3 single-phase transformer
TTQRK - A	Three-phase transformer on cut core in transformer box made from 3 single-phase transformer

CODES

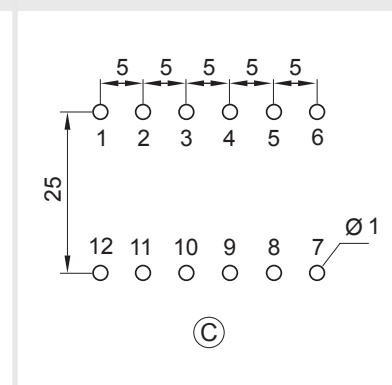
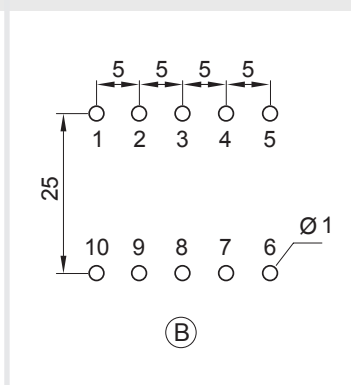
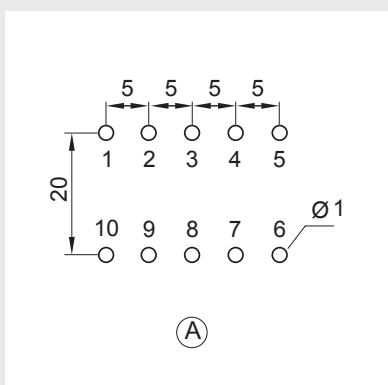
SIGNS	DEFINITION
110017/01 - 110017/18	Single-phase transformer on EI core power 10 VA to 3000 VA
112217/01 - 112217/17	Single-phase transformer on C core power 10 VA to 3000 VA
220010/01 - 220010/18	Single-phase transformer on cut core power 3 kVA to 315 kVA
330010/01 - 330010/24	Three-phase transformer on cut core power 1.5 kVA to 500 kVA
440010/01 - 440010/10	Three-phase transformer from 3 single-phase on cut core power 10 kVA to 300 kVA

* The first 6 numbers define the type of transformer while the last two numbers define the type of power.

tip (type): **TMUE**



Raspored rupa za štampanu ploču prema obliku montaže.
Holes template for printed circuit boards according to installation.



Kod	Veličina	Snaga (VA)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Oblik montaže	Masa (kg)
110017/08	EI 30/10.5	0.8	30	25	19.5	4 x 5	20	5	A	0.05
110017/1	EI 30/12.5	1	30	25	21.5	4 x 5	20	5	A	0.07
110017/1.6	EI 30/15.5	1.6	30	25	24.5	4 x 5	20	5	A	0.10
110017/2	EI 30/18	2	30	25	26.7	4 x 5	20	5	A	0.13
110017/2.5	EI 38/13.6	2.5	38	32	27.5	4 x 5	25	5	B	0.14
110017/3.2	EI 42/14.8	3.2	42	35	27.5	5 x 5	25	5	C	0.16

Dimenzije su informativne i podliježu promjenama.
The above dimensions are informative and can be changed.

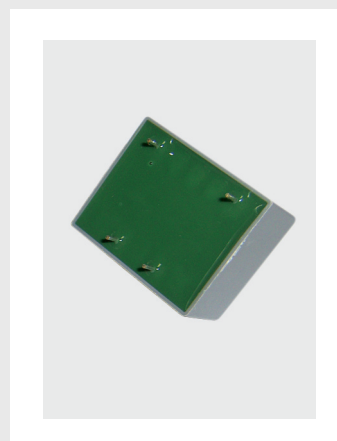
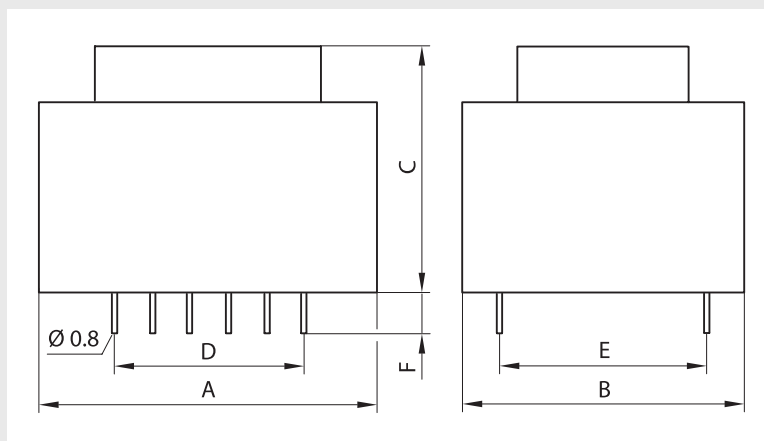
NAPOMENA: Prilikom narudžbe transformatora sa nestandardnim naponskim izvodima, navesti kod, tip, snagu, frekvenciju, napone transformatora te raspored napona na ušicama.

NOTICE: When ordering transformers with a nonstandard voltage content, indicate the code, type, power, frequency, voltage of the transformers and voltage template for contacts.

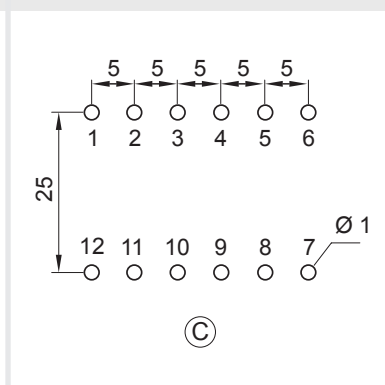
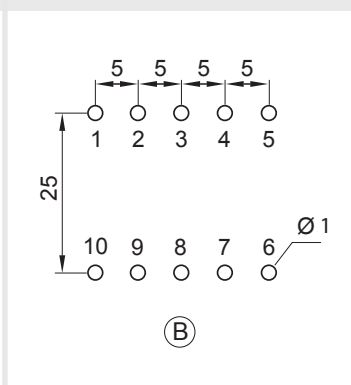
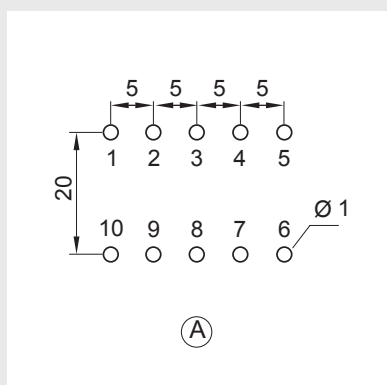
tip (type): **TMUE/Z**



Transformatori



Raspored rupa za štampanu ploču prema obliku montaže.
Holes template for printed circuit boards according to installation.



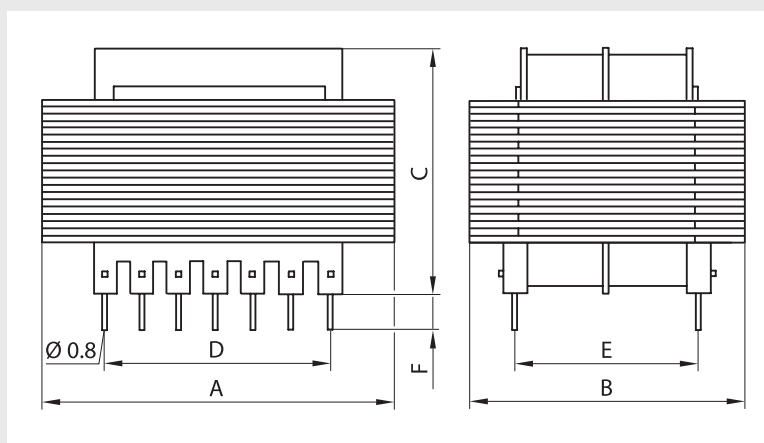
Kod	Veličina	Snaga (VA)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Oblik montaže	Masa (kg)
110017/Z08	EI 30/10.5	0.8	32.3	27.3	21.9	4 x 5	20	5	A	0.06
110017/Z1	EI 30/12.5	1	32.3	27.3	23.8	4 x 5	20	5	A	0.08
110017/Z1.6	EI 30/15.5	1.6	32.3	27.3	26.8	4 x 5	20	5	A	0.11
110017/Z2	EI 30/18	2	32.3	27.3	29.1	4 x 5	20	5	A	0.14
110017/Z2.5	EI 38/13.6	2.5	41.4	35	28.3	4 x 5	25	5	B	0.15
110017/Z3.2	EI 42/14.8	3.2	45	38	31.8	5 x 5	25	5	C	0.18

Dimenzije su informativne i podliježu promjenama.
The above dimensions are informative and can be changed.

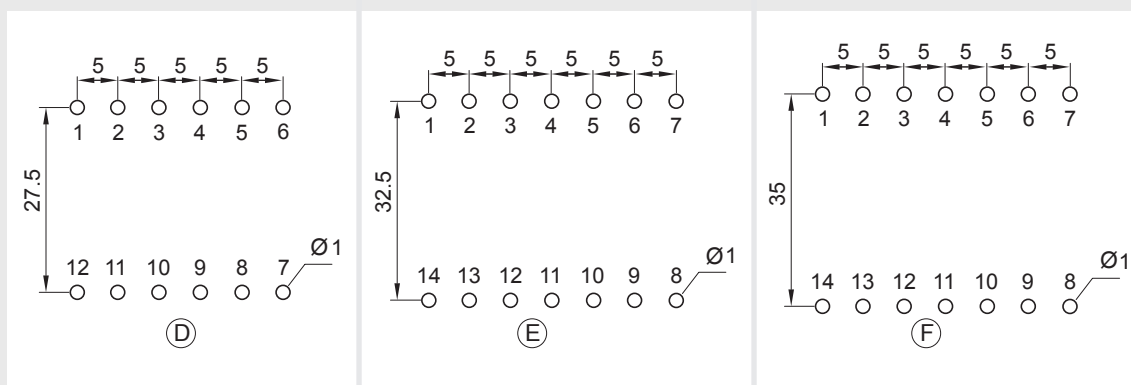
NAPOMENA: Prilikom narudžbe transformatora sa nestandardnim naponskim izvodima, navesti kod, tip, snagu, frekvenciju, napone transformatora te raspored napona na ušicama.

NOTICE: When ordering transformers with a nonstandard voltage content, indicate the code, type, power, frequency, voltage of the transformers and voltage template for contacts.

tip (type): **TMUE**



Raspored rupa za štampanu ploču prema obliku montaže.
Holes template for printed circuit boards according to installation.



Kod	Veličina	Snaga (VA)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Oblik montaže	Masa (kg)
110017/6	EI 48/16.8	6	48	40	32.8	5 x 5	27.5	5	D	0.23
110017/8	EI 48/20.5	8	48	40	36.6	5 x 5	27.5	5	D	0.28
110017/10	EI 48/25	10	48	40	41.2	5 x 5	27.5	5	D	0.36
110017/15	EI 60/21	15	60	50	42	6 x 5	32.5	5	E	0.50
110017/20	EI 60/25.5	20	60	50	46.5	6 x 5	32.5	5	E	0.60
110017/25	EI 60/31	25	60	50	52	6 x 5	32.5	5	E	0.70
110017/30	EI 66/30	30	66	55	53.4	6 x 5	35	5	F	1
110017/40	EI 66/35	40	66	55	58.1	6 x 5	35	5	F	1.2

Dimenzije su informativne i podliježu promjenama.
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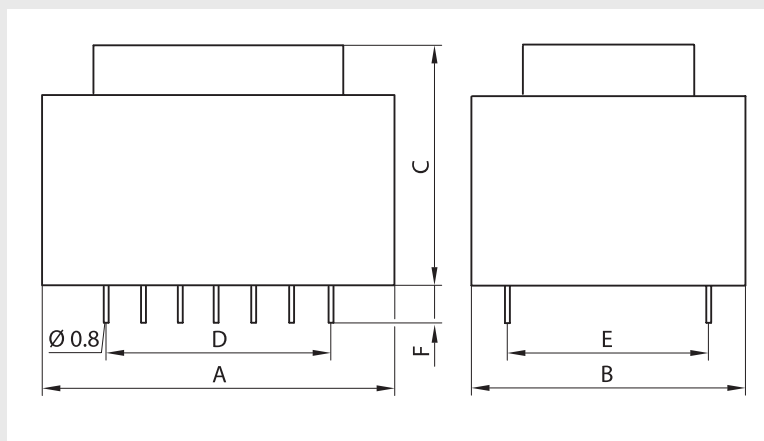
NAPOMENA: Prilikom narudžbe transformatora sa nestandardnim naponskim izvodima, navesti kod, tip, snagu, frekvencije, napone transformatora te raspored napona na ušicama.

NOTICE: When ordering transformers with a nonstandard voltage content, indicate the code, type, power, frequency, voltage of the transformers and voltage template for contacts.

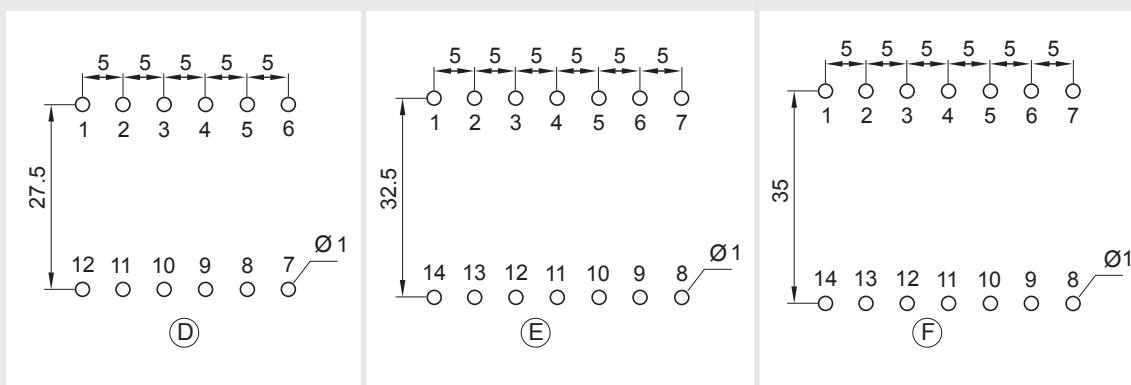
tip (type): **TMUE/Z**



Transformatori



Raspored rupa za štampanu ploču prema obliku montaže.
Holes template for printed circuit boards according to installation.



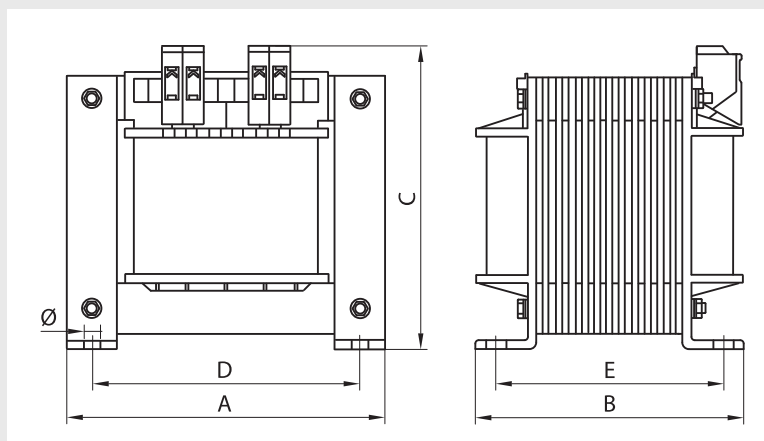
Kod	Veličina	Snaga (VA)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Oblik montaže	Masa (kg)
110017/Z6	EI 48/16.8	6	52	43	34.6	5 x 5	27.5	5	D	0.27
110017/Z8	EI 48/20.5	8	52	43	36.6	5 x 5	27.5	5	D	0.32
110017/Z10	EI 48/25	10	52	43	46.5	5 x 5	27.5	5	D	0.40
110017/Z15	EI 60/21	15	63.4	53.4	47.2	6 x 5	32.5	5	E	0.56
110017/Z20	EI 60/25.5	20	63.4	53.4	51.5	6 x 5	32.5	5	E	0.67
110017/Z25	EI 60/31	25	63.4	53.4	56.5	6 x 5	32.5	5	E	0.77
110017/Z30	EI 66/30	30	69.6	58.6	56.5	6 x 5	35	5	F	1.10
110017/Z40	EI 66/35	40	69.6	58.6	61.5	6 x 5	35	5	F	1.30

Dimenzije su informativne i podliježu promjenama.
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NAPOMENA: Prilikom narudžbe transformatora sa nestandardnim naponskim izvodima, navesti kod, tip, snagu, frekvencije, napone transformatora te raspored napona na ušicama.

NOTICE: When ordering transformers with a nonstandard voltage content, indicate the code, type, power, frequency, voltage of the transformers and voltage template for contacts.

tip (type): **TMUE**



Kod	Snaga (VA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
110017/01	10	4.1	1.3	15.8	60	65	72	50	42	4.2/10	0.55
110017/02	20	6.2	1.9	14.5	60	75	72	50	52	4.2/10	0.7
110017/03	35	7.1	2.8	12.9	75	75	82	62	48	4.2/10	1
110017/04	60	8.3	3.9	10.2	84	76	90	70	52	4.2/12	1.5
110017/05	75	9.1	6.2	8.8	96	88	100	80	64	4.2/12	2.1
110017/06	100	11.2	6.2	8.6	96	88	100	80	64	4.2/12	2.3
110017/07	160	13.1	7.7	7.6	96	98	100	80	74	4.2/12	3
110017/08	200	16.2	10.5	5.0	120	95	120	100	74	5.2/13	4.1
110017/09	300	18.2	11.2	4.6	120	105	120	100	83	5.2/13	5
110017/10	400	22.1	21	4.1	150	116	145	125	84	8.3/13	7.5
110017/11	500	23.5	21	3.8	150	116	145	125	84	8.3/13	7.8
110017/12	600	24.6	27.5	3.6	150	132	145	125	100	8.3/13	9.7
110017/13	800	29.2	31	3.4	150	141	145	125	109	8.3/13	10.5
110017/14	1000	31.2	38	3.2	150	160	145	125	126	8.3/13	13
110017/15	1500	36.1	44	3.1	192	156	230	160	106	10.2/15	17.5
110017/16	2000	41	53	3	192	170	230	160	120	10.2/15	20
110017/17	2500	46.8	59	2.98	192	192	230	160	130	10.2/15	24
110017/18	3000	51.2	74	2.9	192	210	230	160	150	10.2/15	31

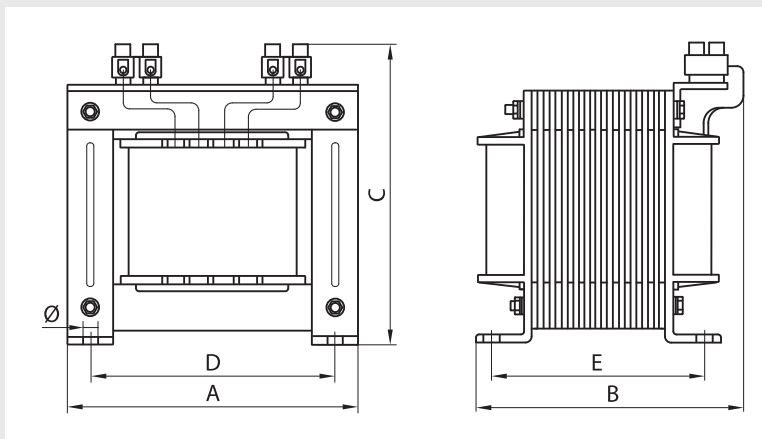
Dimenzije su informativne i podliježu promjenama.
The above dimensions are informative and can be changed.

NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.
NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMUE**



Transformatori



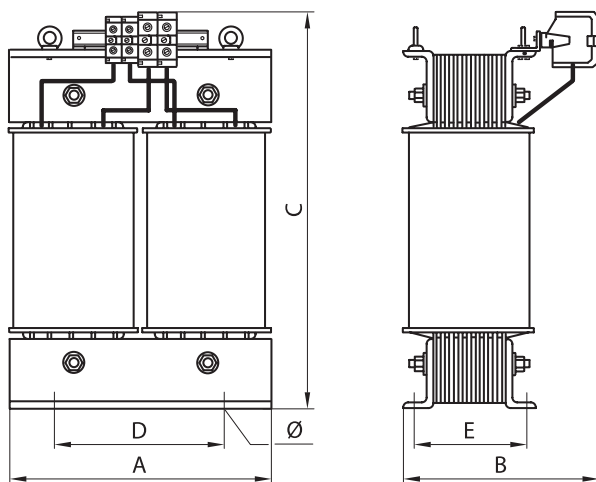
Kod	Snaga (VA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
110017/01	10	4.1	1.3	15.8	60	65	75	50	42	4.2/10	0.55
110017/02	20	6.2	1.9	14.5	60	75	75	50	52	4.2/10	0.7
110017/03	35	7.1	2.8	12.9	75	75	85	62	48	4.2/10	1
110017/04	60	8.3	3.9	10.2	84	76	95	70	52	4.2/12	1.5
110017/05	75	9.1	6.2	8.8	96	88	105	80	64	4.2/12	2.1
110017/06	100	11.2	6.2	8.6	96	88	105	80	64	4.2/12	2.3
110017/07	160	13.1	7.7	7.6	96	98	105	80	74	4.2/12	3
110017/08	200	16.2	10.5	5.0	120	95	125	100	74	5.2/13	4.1
110017/09	300	18.2	11.2	4.6	120	105	125	100	83	5.2/13	5
110017/10	400	22.1	21	4.1	150	116	150	125	87	8.3/13	7.5
110017/11	500	23.5	21	3.8	150	116	150	125	87	8.3/13	7.8
110017/12	600	24.6	27.5	3.6	150	132	150	125	102	8.3/13	9.7
110017/13	800	29.2	31	3.4	150	141	150	125	112	8.3/13	10.5
110017/14	1000	31.2	38	3.2	150	160	150	125	129	8.3/13	13
110017/15	1500	36.1	44	3.1	192	156	235	160	106	10.2/15	17.5
110017/16	2000	41	53	3	192	170	240	160	120	10.2/15	20
110017/17	2500	46.8	59	2.98	192	192	240	160	130	10.2/15	24
110017/18	3000	51.2	74	2.9	192	210	250	160	150	10.2/15	31

Dimenzije su informativne i podliježu promjenama.
The above dimensions are informative and can be changed.

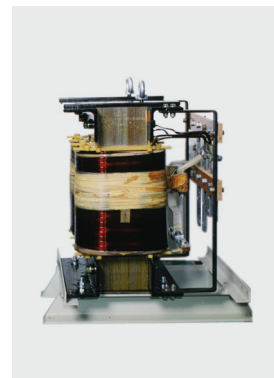
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMQR**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/01	3	70	19	3.1	200	200	320	140	106	9/14	25
220010/02	5	180	30	3.1	240	200	390	160	103	11/17	38
220010/03	8.5	230	42	3.3	280	225	430	180	122	11/17	64
220010/04	11	240	53	3.3	280	240	430	180	136	11/17	74
220010/05	15	280	65	3.4	320	255	480	200	143	11/17	83
220010/06	20	320	90	3.2	320	280	480	200	170	13/19	105
220010/07	25	350	115	3	320	310	480	200	200	13/19	130

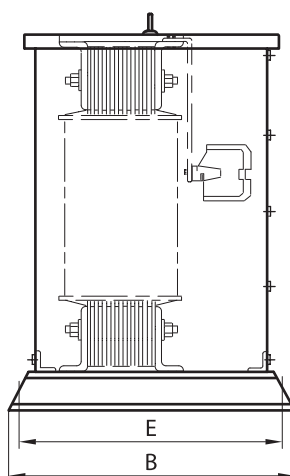
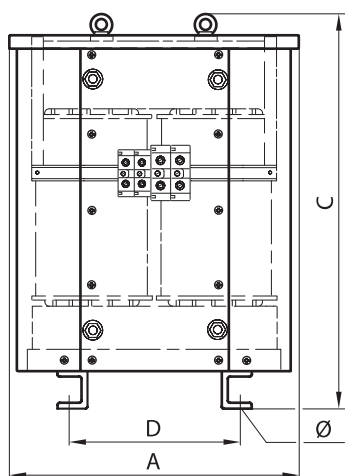
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMQR / K**



Transformatori



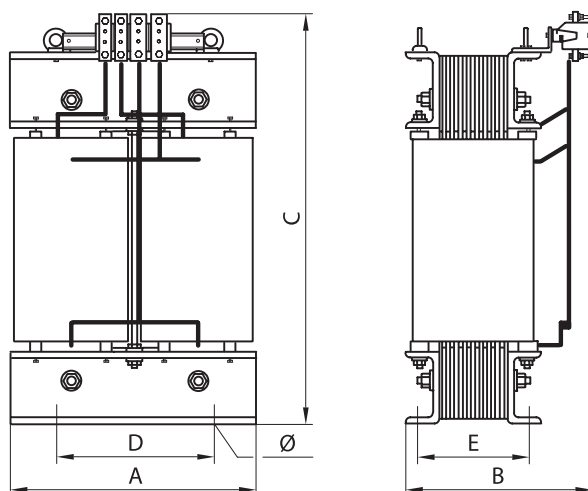
Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.

Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/K01	3	70	19	3.1	300	400	400	140	350	9/14	38
220010/K02	5	180	30	3.1	340	400	450	160	350	11/17	51
220010/K03	8.5	230	42	3.3	420	440	500	180	390	11/17	80
220010/K04	11	240	53	3.3	420	440	500	180	390	11/17	90
220010/K05	15	280	65	3.4	460	460	550	200	410	11/17	100
220010/K06	20	320	90	3.2	460	510	550	200	460	13/19	123
220010/K07	25	350	115	3	460	510	550	200	460	13/19	148

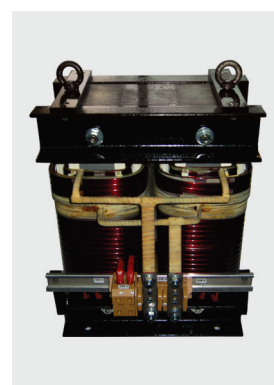
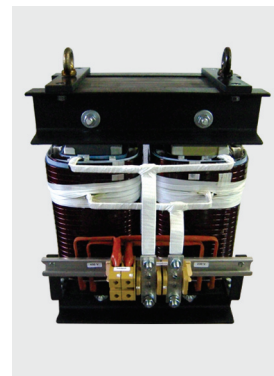
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMQR**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/08	31.5	370	100	2.7	460	280	580	290	142	13/19	150
220010/09	40	480	140	2.7	460	280	580	290	172	13/19	200
220010/10	50	580	160	2.7	480	280	720	300	162	13/19	235
220010/11	63	800	200	2.7	480	310	720	300	192	13/19	280
220010/12	80	1250	260	2.9	480	360	720	300	232	15/22	335
220010/13	100	2000	270	2.4	560	400	820	340	183	15/22	410

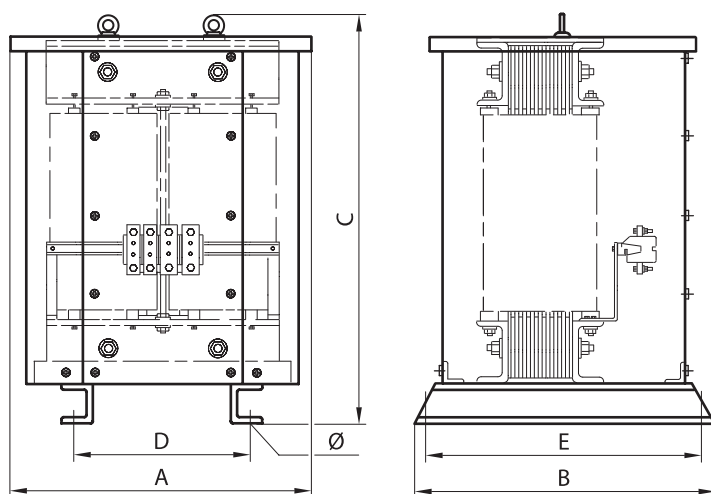
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMQR / K**



Transformatori



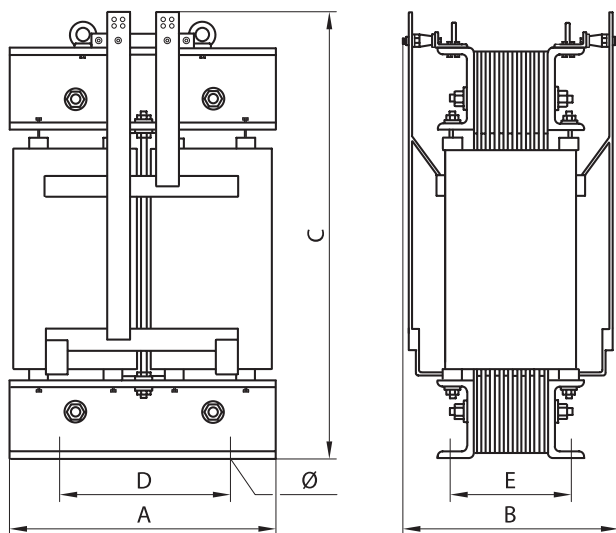
Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.

Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/K08	31.5	370	100	2.7	600	510	630	290	460	13/19	170
220010/K09	40	480	140	2.7	600	510	630	290	460	13/19	220
220010/K10	50	580	160	2.7	620	510	780	300	460	13/19	260
220010/K11	63	800	200	2.7	620	590	780	300	540	13/19	310
220010/K12	80	1250	260	2.9	620	590	780	300	540	15/22	360
220010/K13	100	2000	270	2.4	700	630	900	340	580	15/22	450

NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMQR**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/14	125	2200	360	2.4	560	440	820	360	223	15/22	500
220010/15	160	2600	460	2.2	560	490	820	360	273	15/22	580
220010/16	200	3100	500	2.8	680	470	1100	420	223	17/25	800
220010/17	250	3400	680	2.5	680	520	1100	420	273	17/25	980
220010/18	315	3700	880	2.3	680	580	1100	420	333	17/25	1200

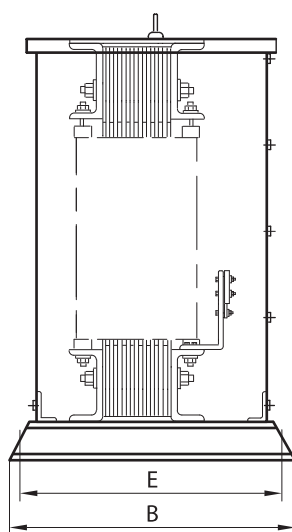
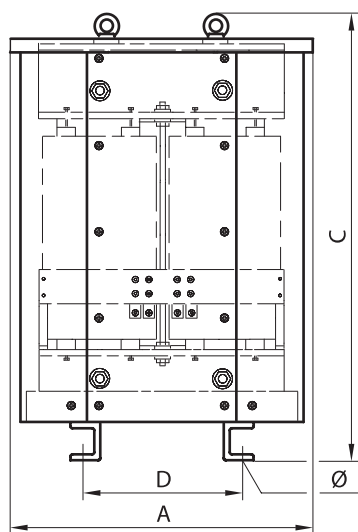
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TMQR / K**



Transformatori



Dimenzije su informativne i podliježu promjenama.
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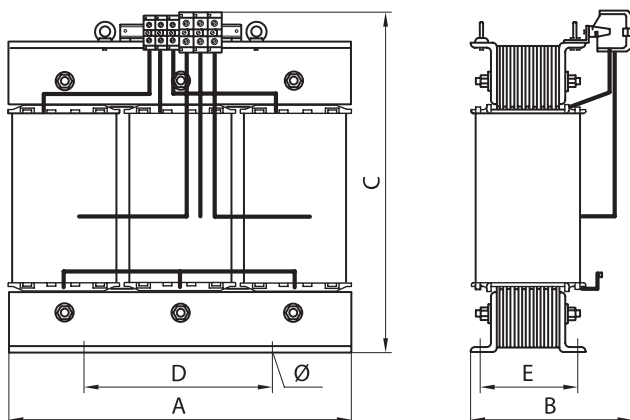


Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/K14	125	2200	360	2.4	700	720	950	360	670	15/22	550
220010/K15	160	2600	460	2.2	700	720	950	360	670	15/22	630
220010/K16	200	3100	500	2.8	820	700	1130	420	650	17/25	850
220010/K17	250	3400	680	2.5	820	810	1130	420	760	17/25	1040
220010/K18	315	3700	880	2.3	820	810	1130	420	760	17/25	1260

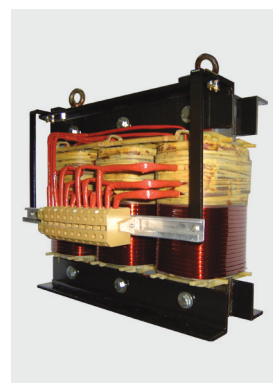
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TTQR**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
330010/01	1	45	10	5.1	180	130	200	100	91	7/13	11
330010/02	2	80	12	4.2	240	160	260	140	91	9/14	20
330010/03	3	106	24	4.2	300	190	330	180	92	11/17	34
330010/04	5	150	29	4.1	300	200	330	180	105	11/17	42
330010/05	7	160	42	4	360	220	370	220	102	11/17	52
330010/06	8.6	170	52	4	360	235	370	220	117	11/17	62
330010/07	10	220	62	3.7	360	250	370	220	132	11/17	70
330010/08	12.5	260	68	3.3	420	225	420	240	123	13/19	80
330010/09	17	310	82	3	420	240	420	240	138	13/19	92
330010/10	20	400	100	3.1	480	260	480	280	143	13/19	120
330010/11	26	470	130	3.2	480	285	480	280	170	13/19	150
330010/12	33	490	180	2.7	480	315	480	280	200	13/19	185

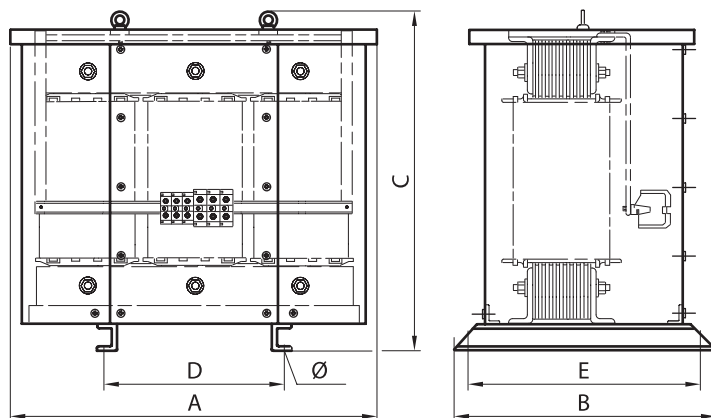
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TTQR / K**



Transformatori



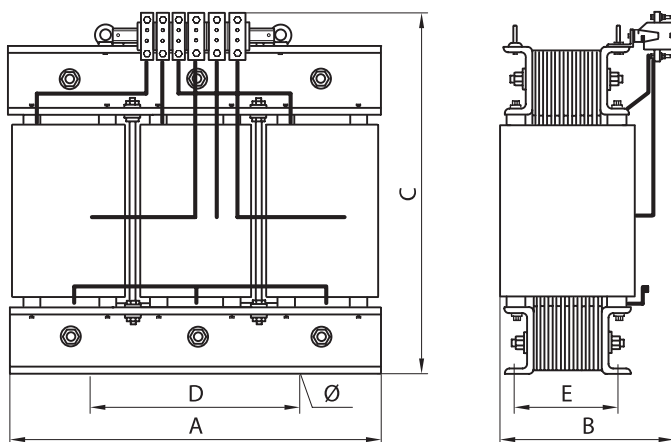
Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.

Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
330010/K01	1	45	10	5.1							
330010/K02	2	80	12	4.2							
330010/K03	3	106	24	4.2	440	400	400	180	350	11/17	48
330010/K04	5	150	29	4.1	440	400	400	180	350	11/17	55
330010/K05	7	160	42	4	500	450	435	220	400	11/17	70
330010/K06	8.6	170	52	4	500	450	435	220	400	11/17	80
330010/K07	10	220	62	3.7	500	450	435	220	400	11/17	90
330010/K08	12.5	260	68	3.3	560	460	490	240	410	13/19	100
330010/K09	17	310	82	3	560	460	490	240	410	13/19	112
330010/K10	20	400	100	3.1	620	520	540	280	470	13/19	145
330010/K11	26	470	130	3.2	620	520	540	280	470	13/19	175
330010/K12	33	490	180	2.7	620	520	540	280	470	13/19	210

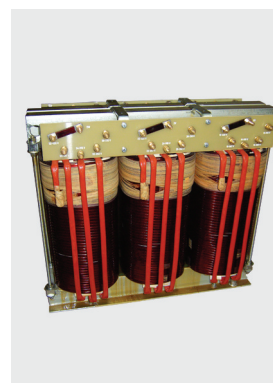
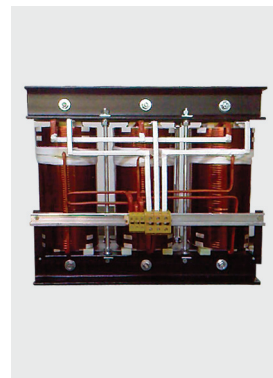
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TTQR**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
330010/13	40	990	160	3.1	540	320	500	390	190	13/19	195
330010/14	50	1050	160	3.9	690	300	550	420	142	15/22	225
330010/15	63	1370	210	3.3	690	330	550	420	172	15/22	270
330010/16	80	1500	230	3.5	720	300	710	440	152	15/22	320
330010/17	100	1600	295	3.2	720	330	710	440	182	15/22	385
330010/18	125	1750	380	2.9	720	360	710	440	222	15/22	480
330010/19	160	2200	395	3.3	840	360	840	500	182	15/22	590

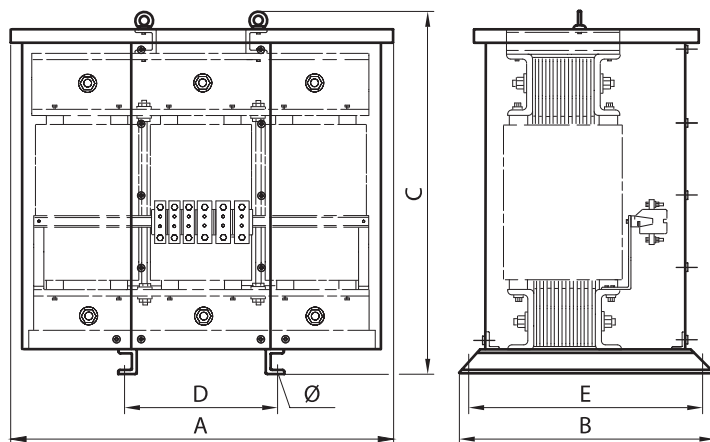
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TTQR / K**



Transformatori



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.

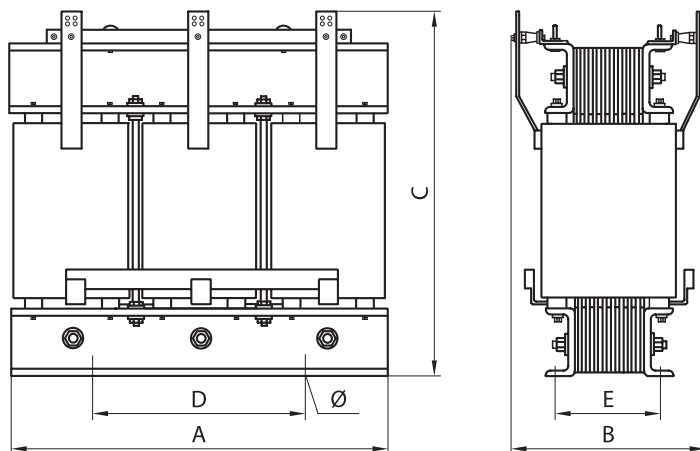


Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
330010/K13	40	990	160	3.1	680	520	630	390	470	13/19	230
330010/K14	50	1050	160	3.9	830	530	680	420	480	15/22	260
330010/K15	63	1370	210	3.3	830	530	680	420	480	15/22	305
330010/K16	80	1500	230	3.5	860	500	820	440	450	15/22	360
330010/K17	100	1600	295	3.2	860	560	820	440	510	15/22	430
330010/K18	125	1750	380	2.9	860	560	820	440	510	15/22	525
330010/K19	160	2200	395	3.3	1000	600	950	500	550	15/22	630

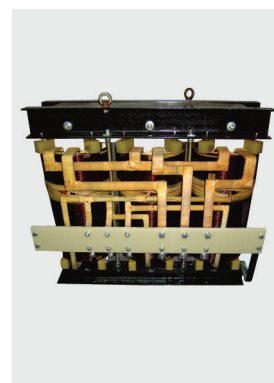
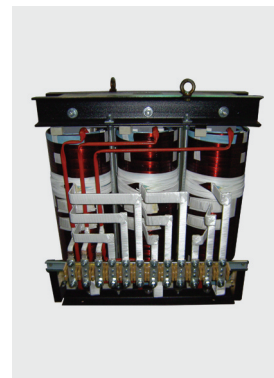
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TTQR**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
330010/20	200	3800	495	2.7	840	440	840	500	222	15/22	710
330010/21	250	4300	640	2.7	840	490	840	500	272	15/22	840
330010/22	315	4800	740	3.1	1020	500	1050	620	222	17/25	1160
330010/23	400	5200	970	2.9	1020	550	1050	620	272	17/25	1380
330010/24	500	5700	1230	2.9	1020	610	1050	620	332	17/25	1640

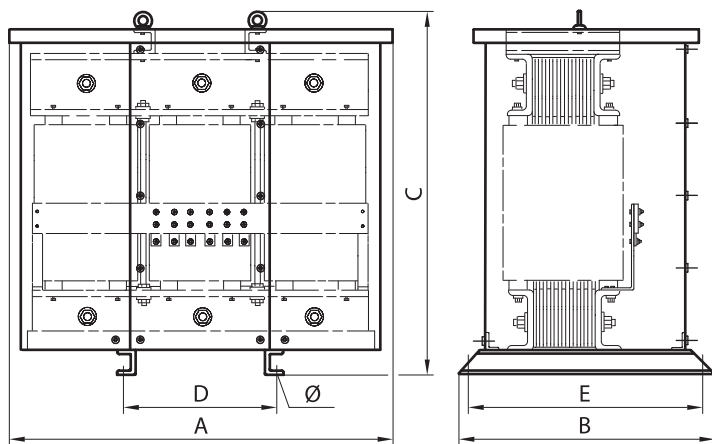
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **TTQR / K**



Transformatori



Dimenzije su informativne i podliježu promjenama.
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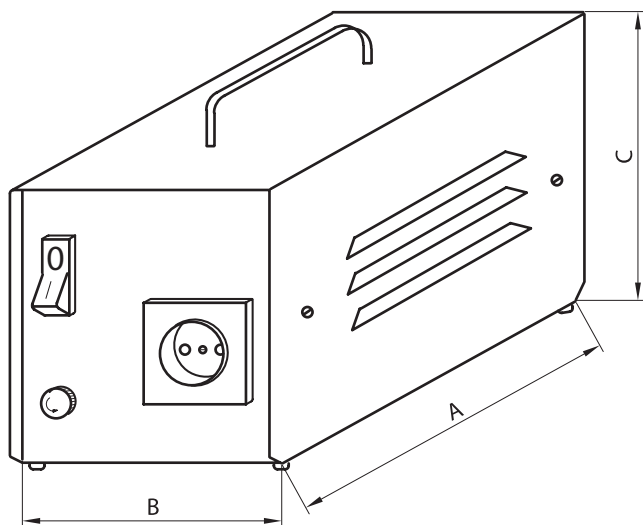


Kod	Snaga (kVA)	P _{CU} (W)	P _{FE} (W)	uk (%)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø	Masa (kg)
220010/K20	200	3800	495	2.7	1000	700	950	500	650	15/22	760
220010/K21	250	4300	640	2.7	1000	700	950	500	650	15/22	890
220010/K22	315	4800	740	3.1	1180	700	1150	620	650	17/25	1220
220010/K23	400	5200	970	2.9	1180	800	1150	620	750	17/25	1440
220010/K24	500	5700	1230	2.9	1180	800	1150	620	750	17/25	1700

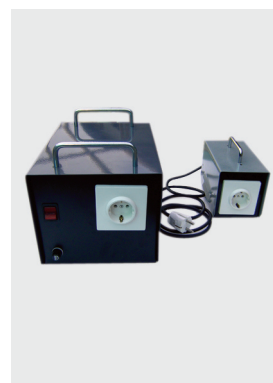
NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.

tip (type): **Jednofazni prijenosni trafo u kućištu**



Dimenzije su informativne i podliježu promjenama.
The dimensions are informative and can be changed.



Snaga (VA)	A (mm)	B (mm)	C (mm)
50 - 200	195	105	120
250 - 600	230	135	145
700 - 3000	265	165	170

NAPOMENA: Prilikom narudžbe transformatora navesti kod, tip, snagu, frekvencije te napone transformatora.

NOTICE: When ordering transformers indicate the code, type, power, frequency and voltage of the transformers.



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