



guaranteed line of cooperation

REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS





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1. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS KTS 12 (24) - 630 (1000) sloping roof

2. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: VTSK 12 (24) - 250

3. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: TS VTS 12 (24) - 630

4. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: MKTS 12 (24) - 630

5. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS MTS 12 (24) - 630 (1000) sloping roof

6. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: TTS 12(24) - 630 (1000), CTS 12(24) - 630 (1000), PTS 12(24) - 630 (1000)

7. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS MTS 12 (24) - 630 (1000) sloping roof

8. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: TS DTS 12 (24) - 2 x 630 (2x1000) sloping roof

9. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: UBTS 12(24) 630 - IN THE GROUND

10. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: DASH BOARD TRNOVEC 630 (1000)

11. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS DTS 12 (24) - 2 x 630 (2 x 1000)

12. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATION

Type: TS VTS 12 (24) - 250

13. REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS KTS 12 (24) - 630 (1000)

14. - 15 PICTURES

16. NOTES

REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS KTS 12 (24) - 630 (1000) sloping roof

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

Bramac tile

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer up to 1000 kVA and medium voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high - value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 11 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish outdoor finish is either painted smooth concrete or washed pebble
- . roof of the building is waterproof concrete in slope covered with clay tiles drawn type passage
- . outer size is 418 x 214 cm
- . of an outer height of 405 cm, 90 cm is planting depth (foundation reinforced concrete tub)



TS KTS 12 (24) - 630 (1000)
sloping roof

Detailed information on request



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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: VTSK 12 (24) - 250



VTSK 12 (24) - 250

Application

for transformation and distribution of electrical energy primarily to urban areas

TECHNICAL DATA

- . the foundation is a single tub of waterproof reinforced concrete which has underground part (basic bath) and overground part (house) made from high quality waterproof concrete MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 4 ø150 mm
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 190 x 190 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)
- . variant „A“ of an outer height of 220 cm, 90 cm - underground part (foundation reinforced concrete tub) is planting depth and 130 cm overground part
- . variant „B“ of an outer height of 236 cm, 90 cm - underground part (foundation reinforced concrete tub) is planting depth and 146 cm overground part
- . total mass without installed equipment is cca 5500 kg.

Detailed information on request



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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS VTS 12 (24) - 630



TS VTS 12 (24) - 630

Application

for transformation and distribution of electrical energy primarily to urban areas

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact unit with all electrical equipment
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer of up to 630 kVA and a midium voltage unit

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 8 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 280 x 205 cm
- . of an outer height of 253 cm, 90 cm is planting depth (foundation reinforced concrete tub)
- . total mass without installed equipment is cca 6600 kg.

Detailed information on request

REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: MKTS 12 (24) - 630



MKTS 12 (24) - 630

Application

for transformation and distribution of electrical energy primarily to urban areas

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact unit with all electrical equipment
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer of up to 630 kVA and a midium voltage unit

TECHNICAL DATA

- . the foundation is a single tub of waterproof reinforced concrete which has underground part (basic bath) and overground part (house) made from high quality waterproof concrete MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 7 ø150 mm
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 272 x 209 cm
- . of an outer height of 253 cm, 80 cm is planting depth (foundation reinforced concrete tub)
- . total mass without installed equipment is cca 7600 kg.

Detailed information on request

REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS MTS 12 (24) - 630 (1000) sloping roof



TS MTS 12 (24) - 630 (1000)
sloping roof

Application

for transformation and distribution of electrical energy primarily to urban areas

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer up to 250 kVA, and midium voltage unit

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 7 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 230 x 150 cm
- . of an outer height of 253 cm, 90 cm is planting depth (foundation reinforced concrete tub)
- . total mass without installed equipment is cca 5375 kg.

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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TTS 12(24) - 630 (1000), CTS 12(24) - 630 (1000), PTS 12(24) - 630 (1000)



PTS 12(24) – 630 (1000)



CTS 12(24) – 630 (1000)

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one to three transformers up to 1000 kVA and middle voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as three-phase, four-phase or five-phase compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 14 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 713 x 496 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

Detailed information on request



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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS MTS 12 (24) - 630 (1000)

Application

for transformation and distribution of electrical energy primarily to urban areas industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer of up to 1000 (630) kVA, and high and low voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 11 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 418 x 328 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

Detailed information on request



TS MTS 12 (24) - 630 (1000)



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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS DTS 12 (24) - 2 x 630 (2x1000) sloping roof



TS DTS 12 (24) - 2 x 630 (2x1000)
sloping roof

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for two transformers up to 1000 (630) kVA in a separate areas and high and low voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 2x7 ø15
- . doors and fixed ventilation latticework are of galvanized sheet metal
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . roof of the building is waterproof concrete in slope covered with clay tiles drawn type passage
- . outer size is 478 x 498 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

Detailed information on request



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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: UBTS 12(24) 630 - IN THE GROUND

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one from three transformers up to 630 kVA and medium voltage unit with access on top

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30 which digs below the ground
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 10 ø15
- . doors and fixed ventilation latticework are of galvanized sheet metal
- . disperse dyes are used for indoor concrete wall finish
- . walls are treated with waterproof materials
- . outer size is 570 x 268 cm
- . of an outer height of 294 cm - all planting depth

Detailed information on request



UBTS 12(24) 630
IN THE GROUND



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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: DASH BOARD TRNOVEC 630 (1000)



DASH BOARD TRNOVEC
630 (1000)

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one from three transformers up to 1000 kVA and medium voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 14 ø15 or more
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 1193 x 498 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS DTS 12 (24) - 2 x 630 (2 x 1000)



TS DTS 12 (24)
2 x 630 (2 x 1000)

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for two transformers up to 1000 (630) kVA in a separate areas and high and low voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 2x7 ø15
- . doors and fixed ventilation latticework are of galvanized sheet metal
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 478 x 498 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

Detailed information on request



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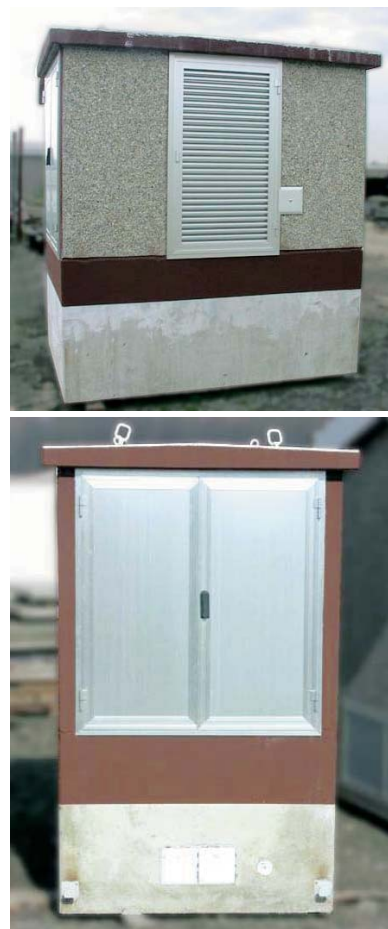


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REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS VTS 12 (24) - 250



TS VTS 12 (24) - 250

Application

for transformation and distribution of electrical energy primarily to urban areas

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer of up to 1000 (630) kVA and high and low voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 11 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 418 x 328 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

Detailed information on request

REINFORCED CONCRETE - HOUSED PREFABRICATED TRANSFORMED STATIONS

Type: TS KTS 12 (24) - 630 (1000)



TS KTS 12 (24) - 630 (1000)

Application

for transformation and distribution of electrical energy primarily to urban areas, industrial facilities, sports structures etc.

- . designed and manufactured according to customer in accordance with technical regulations and standards in countries that are delivered
- . scheduled for installation at the site set up as a compact and durable unit
- . setup possible in all places where there is adequate access and on a soil with the bearing capacity of minimum load of 50 kN/m²
- . it is intended for one transformer up to 1000 (630) kVA and middle voltage unit with separate approaches (doors)

TECHNICAL DATA

- . basis substation designed as a compact reinforced waterproof concrete, MB C 25/30
- . the structure is also prefabricated high-value waterproof reinforced concrete MB C 25/30
- . waterproof cable lead-in metal elements type „HAUF“ made of high quality polycarbonate 11 ø15
- . doors and fixed ventilation latticework are made of an eloxy aluminium
- . disperse dyes are used for indoor concrete wall finish
- . outdoor finish is either painted smooth concrete or washed pebble
- . outer size is 418 x 328 cm
- . of an outer height of 361 cm, 90 cm is planting depth (foundation reinforced concrete tub)

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Company **Zagorje - Tehnobeton d.d.**

located in Varaždin, Croatia.

One of business specialization is production of round centrifuged reinforced concrete poles which are used in low and medium voltage distribution lines.

This poles can also be used for public lightning, overhead telephone distribution lines and electrification of railway. Specifically designed concrete supplements can be added to poles which are used or as girders of the additional (larger) number of cables on overhead lines or as girders of pole-mounted substations of capacities to 250 kV.

Company also produces concrete precast elements which are used in construction and energetics sector such as concrete housings for transformers.

Capacity of factory is 25.000 poles of different sizes per year.

Technical characteristics of all products are fitted to regulations and norms established by the client.

Company's management system is certified with EN ISO 9001:2008 and EN ISO 14001:2004 standard.



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CONTACT



ZAGORJE - TEHNOBETON d.d.

Pavleka Miškine 49

42000 Varaždin

Hrvatska . Croatia

T +385 (0) 42 404 404

F +385 (0) 42 350 693

E tehnobeton@gpzagorje.hr

W www.gpzagorje.hr