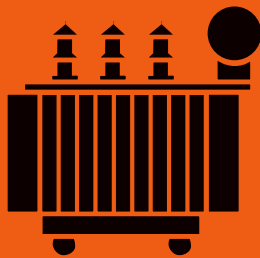




Tradicija
Znanje
Odgovornost

Tradition.
Knowledge.
Responsibility.



KONČAR
D&ST

Distributivni transformatori
Distribution transformers
50-2500 kVA
do/up to 36 kV

Osnovni tehnički podaci

Transformatori su dimenzionirani za nazivne snage od 50 do 2500 kVA i maksimalni pogonski napon do 36 kV. To su trofazni, uljni, prirodno hlađeni (ONAN) transformatori, prikladni za rad u zatvorenom i otvorenom prostoru. Snaga je u skladu s navedenim propisima za trajni pogon, prirodno hlađenje zrakom i nadmorsku visinu do 1000 m.

Jezgra

Izrađena je od kvalitetnog, hladnovaljanog, orijentiranog lima. Limovi jezgre režu se uzdužno i poprečno automatskim linijama.

Namoti

NN namoti izrađeni su iz bakrenih profila izoliranih papirom ili iz bakrene folije, a VN namoti iz okrugle ili profilne bakrene žice izolirane lakom.



Montaža aktivnog dijela i postupak sušenja

Aktivni dio pričvršćen je na poklopac, a poduprt je na dnu kotla. Postupak sušenja provodi se u specijalnoj peći, gdje se namoti električno zagrijavaju niskofrekventnom strujom.

Ispitivanje

Prije isporuke transformatori se komadno ispituju prema normi IEC 60076. Moguće su isporuke izvedbi i prema drugim nacionalnim normama. Specijalna ispitivanja izvode se na zahtjev kupca.

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isporučuje svoje proizvode kupcima širom svijeta za različita područja primjene (distribucije, industrijska i montažna poduzeća)



Basic technical data

Transformers are designed for nominal ratings from 50 up to 2500 kVA and a maximum operating voltage up to 36 kV. They are three-phase oil-immersed type, with natural cooling (ONAN), suitable for indoor and outdoor operation. Rated power complies with the regulations, referring to the continuous operation, natural air-cooling and an altitude up to 1000 meters above sea level.

Core

The core is made of high-quality cold rolled grain-oriented steel sheets. Core and yoke sheets are cut longitudinally and transversally by automatic cutting lines.

Windings

The low voltage windings are made of rectangular electrolytic, paper insulated copper wire or copper sheet. The high voltage windings are made of rectangular conductors or round copper wires, insulated with synthetic varnish.



Assembly of active parts and drying

The active part is joined to the cover and supported at the bottom of the tank. Drying and vacuum treatment take place in a special oven, where the windings are electrically heated with low frequency current.

Testing

Prior to the delivery all transformers are routine tested according to the standard IEC 60076, but other national standards can be applied as well. On customer's requirement type and special tests can be carried out, too.



KONČAR D&ST

have supplied the customers all over the world in many different applications (such as utilities, compact substation, industrial transformers...).





PC Distributivni transformatori

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ISO 9001
ISO 14001
OHSAS 18001

BUREAU VERITAS
Certification



KONČAR distributivni i specijalni transformatori d.d.

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Proizvodni program

- Srednji energetske transformatori, nazivnih snaga 2,5-100 MVA i napona do 170 kV, s preklopkom ili regulacijskom sklopkom
- Uljni distributivni transformatori, nazivnih snaga do 2500 kVA i napona do 36 kV
- Suhi transformatori, nazivnih snaga do 5000 kVA i napona do 24 kV
- Specijalni transformatori:
 - Transformatori za uzemljenje
 - Ispravljački transformatori
 - Transformatori za lokomotive
 - Transformatori za metalurške peći
 - Transformatori i transformatorske stanice za rudnike
- Prigušnice za metalurška postrojenja, ispravljačke uređaje te ograničenja struja kratkog i dozemnog spoja
- Servisiranje i popravak svih vrsta transformatora i prigušnica

Production program

- Medium power transformers, rated powers 2,5-100 MVA and voltages up to 170 kV with off-circuit tap changer or on-load tap changer
- Oil-immersed distribution transformers, rated powers up to 2500 kVA and voltages up to 36 kV
- Dry-type transformers, rated powers up to 5000 kVA and voltages up to 24 kV
- Special transformers:
 - Earthing transformers
 - Rectifier transformers
 - Transformers for electrical traction
 - Transformers for metallurgical furnaces
 - Transformers and transformer substations for mines
- Reactors for metallurgical plants, rectifying devices, short-circuit and ground fault current limitations
- Servicing and repairing all kinds of transformers and reactors