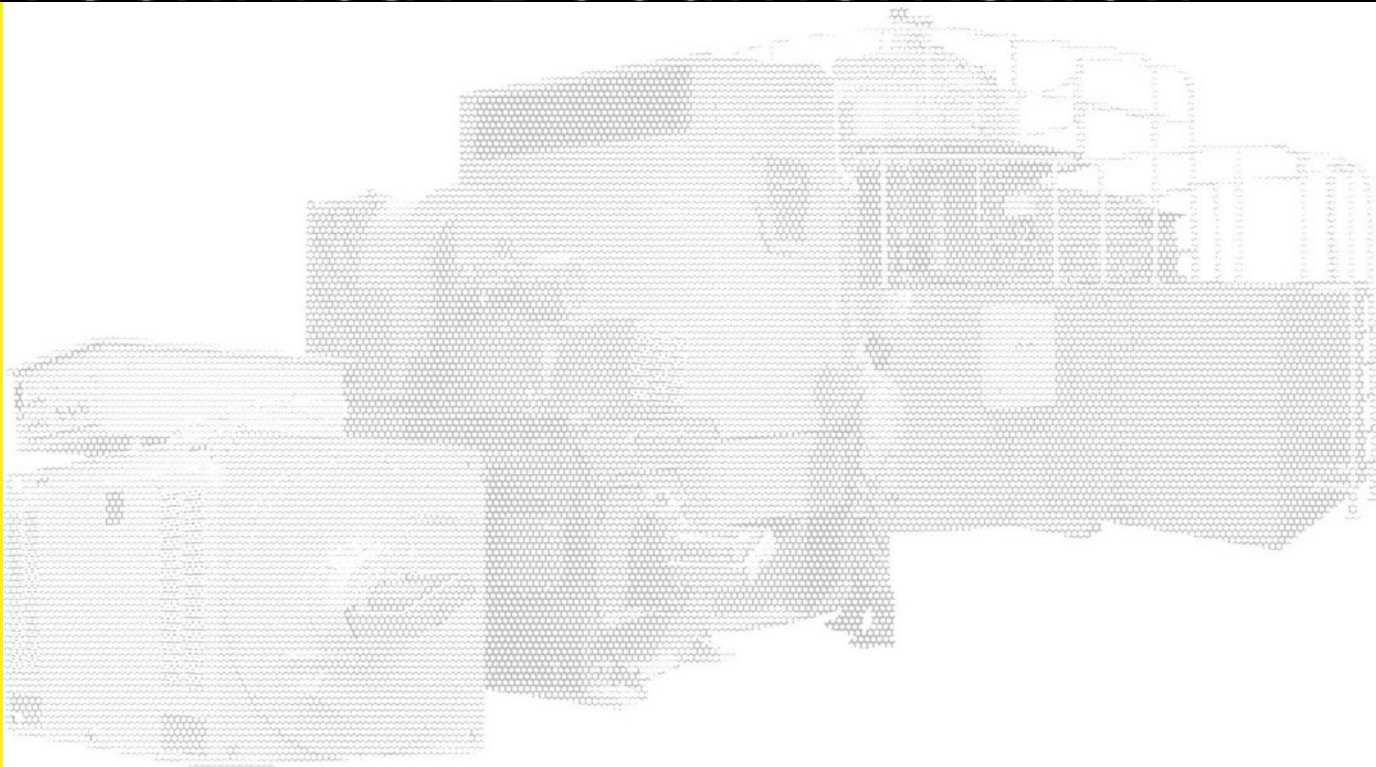


Technical Documentation



PROIZVODNI PROGRAMI
PRODUCTION PROGRAMME

WOLONG | SEVER



Misija, Vizija, Ciljevi / Mission, Vision, Targets

Mi naše el. motore i generatore optimiramo prema tehničkim i ekonomskim zahtevima kupaca. Naši kupci u kratkom roku od nas dobijaju najsavremenije i kvalitetno tehničko rešenje el. motora, generatora, el. motornog pogona i kompletna rešenja malih i srednjih hidroelektrana uz istovremeno ekonomski najpovoljnije uslove.

Mi pokrećemo stalno Vaše ideje. Mi ne proizvodimo samo motore i generatore već pretvaramo ambiciozne koncepte naših kupaca u moderne, inovativne i pouzdane proizvode, koji su jedinstveni i okrenuti budućnosti. Našom pouzdanošću, kreativnošću i fleksibilnošću pomažemo kupcima da postignu svoje ciljeve.

Prateći najnovija tehnološko-tehnička rešenja, mi i dalje razvijamo naše proizvode i samim tim poboljšavamo sve naše aktivnosti u ispunjenju zahteva korisnika. Naš pogled u budućnost je okrenut ka razvoju el. motora velikih snaga i gabarita, hidrogeneratora za male i srednje hidroelektrane i el. motora za ekstremne uslove rada sa najkompleksnijim tehničkim zahtevima.

Our electric motors and generators are optimized in accordance with our client's technical and economical requests. Our clients will receive from us, within a very short notice, most advanced and high quality technical solutions of electric motors, generators, electric drives and complete technical solutions of small and middle sized hydroelectric power plants, along with economically most favourable conditions.

We are constantly moving your ideas. We are not just manufacturing motors and generators, we turn ambitious concepts of our clients into advanced, innovative and reliable products, which are unique and future oriented. Our reliability, creativity and flexibility will assist our clients in achieving their goals.

Keeping track with newest technological and technical solutions, our products are being constantly developed and therefore we are improving all our activities aimed to fulfil our client's requests. Our view of the future is oriented towards development of high power and big sized electric motors, hydrogenerators for small and middle sized hydroelectric power plants, as well as electric motors designed for extreme working conditions and most complex technical requirements.

Istorijat History

1



Istorijat / History

ATB SEVER je jedna od najstarijih fabrika za proizvodnju rotacionih električnih mašina u jugoistočnoj Evropi. Započela je sa radom kao akcionarsko društvo, pod imenom SEVER, 1923. godine. U toku svoje bogate istorije doživeo je niz vlasničkih, organizacionih, programskih i proizvodno-tehnoloških promena.

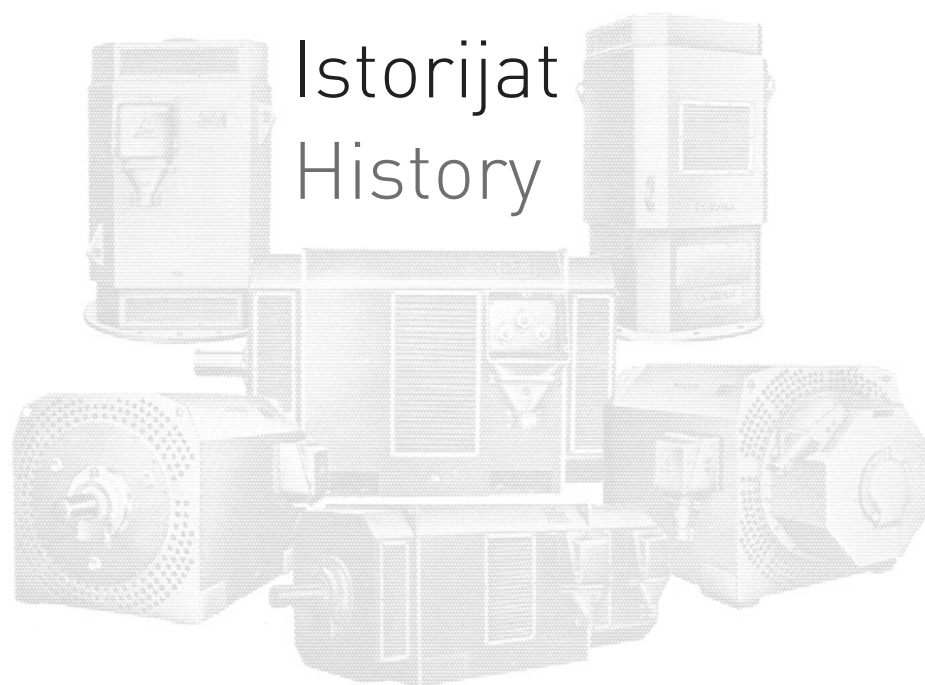
Privatizovan je 2005. godine, kada je, pod imenom ATB SEVER, postao članica poslovnog sistema ATB Austrija. ATB SEVER sada ima 426 zaposlenih. Danas u vlasništvu ATB SEVER DOO posluje fabrika mašinske opreme za rudarstvo i energetiku ATB FOD DOO, na lokaciji u Boru sa 223 zaposlenih.

Više od 90 godina ATB SEVER je poznat po kvalitetu i tradiciji u proizvodnji svih vrsta električnih motora u generatora. Pored razvoja elektromotora i generatora, u poslednjih 45 godina, razvijeni su i drugi programi sa ciljem da se tržištu ponude najsavremenija kompleksna tehnička rešenja elektromotornih pogona za razne oblasti primene i izvora energije. ATB SEVER je poznat kao isporučilac kompletne elektroopreme i usluga elektro-inženjeringa u rudarstvu, energetici, crnoj i obojenoj metalurgiji, industriji i vodoprivredi. Proizvode ATB SEVER možete naći na svim kontinentima i u više od 50 zemalja jer je izvoz proizvoda i usluga veći od 70%.

ATB SEVER is one of oldest manufacturers of rotating electrical machines in south-east Europe. In 1923 it started working as a joint stock company, under the name SEVER. During its very rich history, it passed through a series of proprietary, organizational, technological and program changes.

The company was privatized in 2005. and became member of the business system ATB Austria and changed its name into ATB SEVER. ATB SEVER has 426 employees today. ATB SEVER Ltd. also owns a factory for mining and energetic machine equipment called ATB FOD Ltd., which is situated in the city of Bor and has 223 employees.

For more than 90 years, ATB SEVER is renowned for its quality and tradition in manufacture of all types of electric motors and generators. Besides development of electric motors and generators, the company developed during the last 45 years other programs as well, in order to offer to the market most advanced and most complex technical solutions of electric motor drive, designed for various applications and energy sources. ATB SEVER has built a reputation as reliable supplier of complete electric equipment and electric engineering services in mining industry, ferrous and non-ferrous metallurgy, industry and water resources management. The products of ATB SEVER can be found on all continents and more than 50 countries, since export of our products and services exceeds 70%.



Istorijat History

Istorijat / History

Danas ATB SEVER proizvodi i isporučuje elektromotore razvijene prema zahtevu kupca koji zadovoljavaju najsloženije tehničke zahteve elektromotornih pogona u nuklearnim i termoelektranama, površinskim kopovima uglja i bakra (bageri, transporteri, odlagači), podzemnim rudnicima, rafinerijama, platformama za eksploataciju nafte i gasa i dr. ATB SEVER poseduje tehnologije proizvodnje koji omogućavaju da naši proizvodi rade u najsurovijim hladnim (do - 50°C) i toplim, morskim klimatskim regionima.

Širok proizvodni program, internacionalni standardi, visok kvalitet i poslovni i sopstveni tehnički razvoj omogućuju bolju poziciju na tržištu za ATB SEVER u narednom periodu.

Today, ATB SEVER manufactures and supplies electric motors designed to meet our clients requests and to comply with most complex technical requirements of electric motor drive in nuclear and thermo-electric power plants, coal and copper open pit minings (excavators, transporters, elevators), underground mines, refineries, oil and gas exploitation platforms, etc. ATB SEVER holds production technologies that allow our products to work equally in most extreme cold conditions (up to - 50°C) and hot, seaside climatic areas.

A comprehensive production programme, international standards, high quality and technical development provide ATB SEVER with an even better market position in the forthcoming period.

ATB SEVER

Proizvodi

Products

3

ATB SEVER Proizvodi / Products of ATB SEVER

Najznačajniji programi kompanije ATB SEVER su:

- Elektro motori i niskog i visokog napona;
- Generatori sinhroni i asinhroni niskog i visokog napona;
- Inženjering poslovi u hidro elektranama, površinskim kopovima i na sistemima regulisanih el. pogona velikih snaga;
- Remont svih vrsta elektromotora, hidro i turbogeneratorsa.

ATB SEVER plasira svoje proizvode i usluge širom sveta u oblasti: energetike, rudarstva, metalurgije, metalne industrije, proizvodnje cementa i građevinskih materijala, industrije papira, naftne industrije, hemijske industrije, vodo privrede i td.

Proizvodi ATB SEVER primenjuju se za el. pogone: pumpi, ventilatora, kompresora, transportnih sistema, bagera, mlinova, dizalica, drobilica i dr.

ATB SEVER se specijalizovao za el. pogone na: površinskim kopovima, naftnim platformama, hidro i termoelektranama, nuklearnim elektranama, cementarama, brodovima i dr.

U oblasti obnovljivih izvora energije ATB SEVER se poslednjih godina specijalizovao za proizvodnju novih i modernizaciju postojećih hidrogeneratorsa i kompletne opreme za objekte malih i srednjih hidroelektrana

The most important production programme of ATB SEVER company include:

- Low and high voltage electric motors;
- Low and high voltage synchronous and asynchronous generators;
- Engineering services in hydro power plants, open pit minings and high power controlled electric drive systems;
- Overhauling of all types of electric motors, hydro and turbogenerators.

ATB SEVER is a global supplier of products and services in following areas: energetics, mining industry, metallurgy, engineering industry, cement and building material industry, paper industry, oil industry, chemical industry, water resources management, etc.

ATB SEVER products are designed for electric drive of: pumps, ventilators, compressors, transport systems, excavators, mills, cranes, crushers, etc.

ATB SEVER specialized in electric drive in: open pit minings, oil platforms, hydro and thermo-electric power plants, nuclear power plants, cement works, ships, etc.

In the field of renewable energy sources, ATB SEVER specialized during the last few years in manufacture of new and modernization of existing hydro generators and complete equipment for small and middle sized hydro power plants.

Niskonaponski asinhroni motori

Low Voltage Asynchronous Motors



Niskonaponski motori / Low Voltage Motors

MOTORI SA POVEĆANIM STEPENOM KORISNOG DEJSTVA
(klasa IE3 do 375kW)
INCREASED EFFICIENCY MOTORS
(class IE3 to 375kW)

Snaga: **18,5 - 2.000 kW**
Output:

Napon / Frekvencija: **230 - 690 V / 50 Hz, 60Hz**
Voltage / Frequency:

Oсна visina: **200 - 710**
Frame size:

TRANSNORM MOTORI IC 411

TRANSNORM MOTORS IC 411

Snaga: **200 - 3.000 kW**
Output:

Napon / Frekvencija: **400/690 V // 50/60Hz**
Voltage / Frequency:

Oсна visina: **315 - 560**
Frame size:

FREKVENTNO REGULISANI MOTORI

FREQUENCY CONTROLLED MOTORS

Snaga: **18,5 - 2.500 kW**
Output:

Napon / Frekvencija: **400 - 690 V / 50 Hz**
Voltage / Frequency:

Oсна visina: **200 - 630**
Frame size:

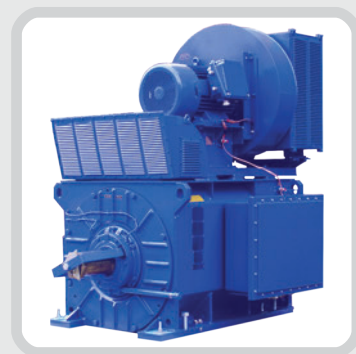
MOTORI ZA NAFTNE PLATFORME

MOTORS FOR OIL PLATFORMS

Snaga: **15 - 1.500 kW**
Output:

Napon / Frekvencija: **400 - 690 V / 50 Hz**
Voltage / Frequency:

Oсна visina: **200 - 500**
Frame size:





MOTORI U PROTIVEKSPLOZIVNOJ ZAŠTITI
Exd, Exe, Exn
EXPLOSION PROOF MOTORS
Exd, Exe, Exn

Snaga:
Output: **18,5 – 1.000 kW**

Napon / Frekvencija:
Voltage / Frequency: **230 - 690 V / 50 Hz, 60Hz**

Oсна visina:
Frame size: **200-500**

MOTORI SA NAMOTANIM ROTOROM
dizalični i za opštu primenu
WOUND-ROTOR MOTORS
crane and general purpose

Snaga:
Output: **8,5 – 1.100 kW**

Napon / Frekvencija:
Voltage / Frequency: **230 - 690 V / 50 Hz, 60Hz**

Oсна visina:
Frame size: **200 - 560**

BRODSKI MOTORI
sa kaveznim rotorom
MARINE MOTORS
cage-rotor

Snaga:
Output: **18,5 – 1.720 kW**

Napon / Frekvencija:
Voltage / Frequency: **230 - 690 V / 50 Hz, 60Hz**

Oсна visina:
Frame size: **200 - 500**

BRODSKI MOTORI
sa namotanim rotorom
MARINE MOTORS
wound-rotor

Snaga:
Output: **55 – 1.000 kW**

Napon / Frekvencija:
Voltage / Frequency: **230 - 690 V / 50 Hz, 60Hz**

Oсна visina:
Frame size: **225 - 400**



Niskonaponski asinhroni motori

Low Voltage Asynchronous Motors



Niskonaponski motori / Low Voltage Motors

**MOTORI ZA BAGERE, TRANSPORTERE I ODLAGAČE
NA POVRŠINSKIM KOPOVIMA**
MOTORS FOR EXCAVATORS, TRANSPORTERS
AND ELEVATORS ON OPEN PIT MININGS

Snaga:
Output: **22 – 1.450 kW**

Napon / Frekvencija:
Voltage / Frequency: **380 - 690 V / 50 Hz, 60Hz**

Oсна visina:
Frame size: **200 - 710**

MOTORI ZA NUKLEARNE ELEKTRANE

MOTORS FOR NUCLEAR POWER PLANTS

Snaga:
Output: **18,5 – 200 kW**

Napon / Frekvencija:
Voltage / Frequency: **380 - 690 V / 50 Hz, 60Hz**

Oсна visina:
Frame size: **180 - 315**

**MOTORI SA IZMENJIVAČEM TOPLOTE
HLAĐENJE - IC 611, IC 81 W, IC 86 W**
MOTORS WITH HEAT EXCHANGER
COOLING - IC 611, IC 81 W, IC 86 W

Snaga:
Output: **400 – 2.500 kW**

Napon / Frekvencija:
Voltage / Frequency: **690 V / 50 Hz**

Oсна visina:
Frame size: **355 - 630**

Broj polova:
Speed / Pole: **4 - 8**

KAVEZNI MOTORI ZA UTOPNE PUMPE

CAGE MOTORS FOR SUBMERGED PUMPS

Snaga:
Output: **18,5– 800 kW**

Napon / Frekvencija:
Voltage / Frequency: **400 - 690 V / 50 Hz, 60Hz**

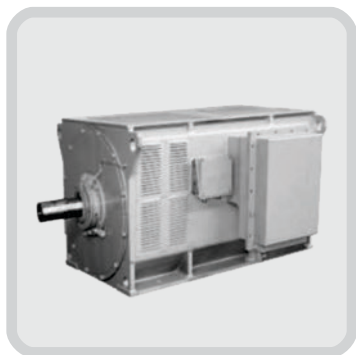
Oсна visina:
Frame size: **225 - 400**

Broj polova:
Speed / Pole: **4 - 12**



Visokonaponski asinhroni motori High Voltage Asynchronous Motors

7



Visokonaponski motori / High Voltage Motors

OTVORENI KAVEZNI VN MOTORI

način hlađenja - IC 01

DRIP-PROOF HV MOTORI WITH SQUIRREL-CAGE ROTOR
cooling - IC 01

Snaga: Output:	200 – 9.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1120
Broj polova: Speed / Pole:	2 – 12

ZATVORENI KAVEZNI VN MOTORI

način hlađenja - IC 611 (vazduh - vazduh)

HIGH VOLTAGE MOTORS WITH SQUIRREL-CAGE ROTOR
cooling - IC 611 (air - air)

Snaga: Output:	200 – 8.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1120
Broj polova: Speed / Pole:	2 – 12

ZATVORENI KAVEZNI VN MOTORI

način hlađenja - IC 511 (vazduh - vazduh)

HIGH VOLTAGE MOTORS WITH SQUIRREL-CAGE ROTOR
cooling - IC 511 (air - air)

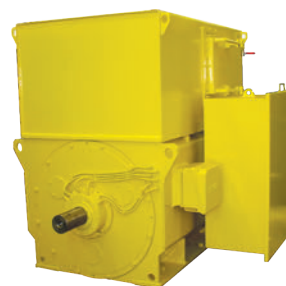
Snaga: Output:	200 – 8.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1600
Broj polova: Speed / Pole:	2 – 12

ZATVORENI KAVEZNI VN MOTORI

način hlađenja - IC 81 W (vazduh - voda)

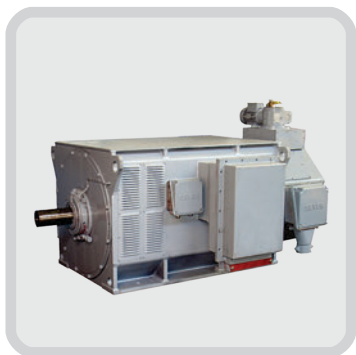
HIGH VOLTAGE MOTORS WITH SQUIRREL-CAGE ROTOR
cooling - IC 81 W (air - water)

Snaga: Output:	200 – 9.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1120
Broj polova: Speed / Pole:	2 – 12



Visokonaponski asinhroni motori

High Voltage Asynchronous Motors



Visokonaponski motori / High Voltage Motors

OTVORENI VN MOTORI SA NAMOTANIM ROTOROM
način hlađenja - IC 01
DRIP-PROOF HIGH VOLTAGE WOUND-ROTOR MOTORS
cooling - IC 01

Snaga: Output:	200 – 9.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1120
Broj polova: Speed / Pole:	4 – 12

ZATVORENI VN MOTORI SA NAMOTANIM ROTOROM
način hlađenja - IC 611 (vazduh - vazduh)
HIGH VOLTAGE WOUND-ROTOR MOTORS
cooling - IC 611 (air - air)

Snaga: Output:	200 – 8.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1120
Broj polova: Speed / Pole:	4 – 12

ZATVORENI VN MOTORI SA NAMOTANIM ROTOROM
način hlađenja - IC 511 (vazduh - vazduh)
HIGH VOLTAGE WOUND-ROTOR MOTORS
cooling - IC 511 (air - air)

Snaga: Output:	200 – 8.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1600
Broj polova: Speed / Pole:	4 – 12

ZATVORENI VN MOTORI SA NAMOTANIM ROTOROM
način hlađenja - IC 81 W (vazduh - voda)
HIGH VOLTAGE WOUND-ROTOR MOTORS
cooling - IC 81 W (air - water)

Snaga: Output:	200 – 9.000 kW
Napon / Frekvencija: Voltage / Frequency:	3 – 13,8 kV / 50 Hz, 60 Hz
Oсна visina: Frame size:	355 – 1120
Broj polova: Speed / Pole:	4 – 12





VN MOTORI ZA NUKLERANE ELEKTRANE
način hlađenja – IC 611; IC 81 W
HIGH VOLTAGE MOTORS FOR NUCLEAR POWER PLANTS
cooling – IC 611; IC 81 W

Snaga:
Output: **200 – 8.000 kW**

Napon / Frekvencija:
Voltage / Frequency: **3 – 13,8 kV / 50 Hz, 60 Hz**

Oсна visina:
Frame size: **355 – 1600**

Broj polova:
Speed / Pole: **2 – 26**

VN MOTORI ZA EKSPLOZIVNE SREDINE
način hlađenja – IC 511; IC 611
HIGH VOLTAGE MOTORS FOR EXPLOSIVE ENVIRONMENTS
cooling – IC 511; IC 611

Snaga:
Output: **200 – 2.000 kW**

Napon / Frekvencija:
Voltage / Frequency: **3 – 13,8 kV / 50 Hz, 60 Hz**

Oсна visina:
Frame size: **355 – 900**

Broj polova:
Speed / Pole: **2 – 12**

VN MOTORI ZA REGULISANE POGONE
način hlađenja – IC 511; IC 516; IC 611; IC 616; IC 666
FREQUENCY CONTROLLED HIGH VOLTAGE MOTORS
cooling – IC 511; IC 516; IC 611; IC 616; IC 666, IC 81 W, IC 86 W

Snaga:
Output: **200 – 4.000 kW**

Napon / Frekvencija:
Voltage / Frequency: **3 – 6 kV / 50 Hz, 60 Hz**

Oсна visina:
Frame size: **355 – 800**

Broj polova:
Speed / Pole: **2 – 8**

TRANSNORM VN MOTORI
način hlađenja – IC 411
TRANSNORM HIGH VOLTAGE MOTORS
cooling – IC 411

Snaga:
Output: **160 – 4.000 kW**

Napon / Frekvencija:
Voltage / Frequency: **3,3/6/10 kV // 50/60 Hz**

Oсна visina:
Frame size: **315 – 560**

Broj polova:
Speed / Pole: **2 – 8**



Sinhroni i asinhroni hidro i vetro generatori

Synchronous and Asynchronous Hydro and Wind Generators



Generatori / Generators

SINHRONI I ASINHRONI HIDRO I VETRO GENERATORI

Proizvodnja sinhronih i asinhronih generatora je jedan od glavnih proizvoda ATB SEVER desetine godina.

ATB SEVER proizvodi sinhronu i asinhronu generatore koji se primenjuju kao hidrogeneratori i vetrogeneratori u opsegu snaga do 30.000 kVA

SYNCHRONOUS AND ASYNCHRONOUS HYDRO AND WIND GENERATORS

Production of synchronous and asynchronous generators has been one of main activities of ATB SEVER company for decades.

ATB SEVER manufactures synchronous and asynchronous generators used as hydro and wind generators, with power rate up to 30.000 kVA.

SINHRONI HIDRO GENERATORI

SYNCHRONOUS GENERATORS

Snaga: Output:	100 – 30.000 kVA
Napon / Frekvencija: Voltage / Frequency:	0,4 ... 6 ... 11 kV, 50 Hz, 60 Hz
Oсна visina: Frame size:	-
Broj polova: Speed / Pole:	4 - 24
Pobuda: Excitation:	Bezčetkični / Četkični Brush or Brushless excitation system





SINHRONI GENERATORI ZA MALE HIDRO ELEKTRANE

SYNCHRONOUS GENERATORS FOR SMALL HYDRO POWER PLANTS

Snaga: Output:	100 – 2.000 kVA
Napon / Frekvencija: Voltage / Frequency:	400...690V / 50 Hz, 60 Hz
Oсна visina: Frame size:	280 - 900
Broj polova: Speed / Pole:	4 - 24
Pobuda: Excitation:	Bezčetični / Četkični Brush or Brushless excitation system

STANDARDNI SINHRONI GENERATORI ZA MALE HIDRO ELEKTRANE

STANDARD SYNCHRONOUS GENERATORS FOR SMALL HYDRO POWER PLANTS

Snaga: Output:	550 / 630 / 800 / 900 / 1.000 / 1.120 / 1.250 / 1.400 / 1.600 / 1.800 / 2.000 kVA
Napon / Frekvencija: Voltage / Frequency:	0,4 / 0,69 / 6 kV, 50 Hz, 60 Hz
Oсна visina: Frame size:	355 - 900
Broj polova: Speed / Pole:	4 - 24
Pobuda: Excitation:	Bezčetični / Četkični Brush or Brushless excitation system

ASINHRONI HIDRO GENERATORI

ASYNCHRONOUS HYDRO GENERATORS

Snaga: Output:	100 – 2.000 kW
Napon / Frekvencija: Voltage / Frequency:	400 - 690V / 50 Hz, 60 Hz
Oсна visina: Frame size:	280 - 900
Broj polova: Speed / Pole:	4 - 20
Pobuda: Excitation:	Paralelni rad sa mrežom Parallel network operation.

ASINHRONI VETRO GENERATORI

ASYNCHRONOUS WIND GENERATORS

Snaga: Output:	100 – 1.000 kW
Napon / Frekvencija: Voltage / Frequency:	400 - 690 V / 50 Hz, 60 Hz
Oсна visina: Frame size:	280 - 900
Broj polova: Speed / Pole:	4 - 20
Pobuda: Excitation:	Paralelni rad sa mrežom Parallel network operation.

Inženjering u rudarstvu i energetici



Engineering in mining industry and energetics

Inženjering u rudarstvu / Engineering in mining industry

Inženjering u rudarstvu i energetici

ATB SEVER u poslednjih 40 godina vrši visokokvalitetan inženjering tj. projektovanje, proizvodnju mašinske i elektro opreme, montažu i nadzor nad montažom, ispitivanje i puštanje u rad i obuku personala.

Na projektima inženjeringa rade licencirani mašinski i elektro inženjeri.

Engineering in mining industry and energetics

During the last 40 years, ATB SEVER is specialized in high-grade engineering, including design, manufacture of machine and electric equipment, installation, supervision, testing, start-up and operator training.

For engineering projects licenced mechanical and electrical engineers are engaged.

Program elektroopreme za površinske kopove – isporuka nove i modernizacija postojeće elektroopreme za:

- transportne sisteme
- bagere
- odlagače
- i ostale sisteme na kopovima

The program of electric equipment for open pit mining – supply of new and modernization of existing electric equipment in:

- transport systems
- excavators
- elevators
- other systems installed in minings.





Inženjering u energetici / Engineering in energetics

Program izgradnje novih, modernizacija i obnova postojećih hidroelektrana

- sinhroni hidro generatori sa hidromašinskom opremom
- asinhroni hidro generatori sa hidromašinskom opremom
- NN i SN elektro postrojenja za napajanje, monitoring i upravljanje
- izgradnja malih i mini hidroelektrana

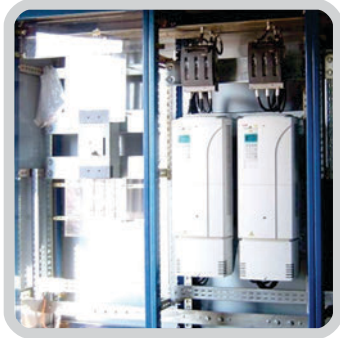
Program of building new power plants, modernization and overhaul of existing hydro power plants

- synchronous hydro generators with hydro machine equipment
- asynchronous hydro generators with hydro machine equipment
- LV i HV electric plants for supply, monitoring and control
- construction of small and mini hydro power plants



Inženjering u rudarstvu i energetici

14



Engineering in mining industry and energetics

Elektromotorni pogoni / Electromotor drives

Regulisani elektromotorni pogoni velikih snaga sa asinhronim motorima u

- rudarstvu
- eksploataciji nafte
- petrohemijskoj industriji
- pumpnim stanicama
- cementarama
- željezarama, itd.

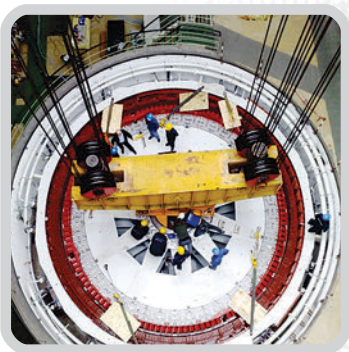
High power electromotor drives with asynchronous motors in:

- mining industry
- oil exploitation
- petrochemical industry
- pump stations
- cement works
- ironworks, etc.



Remont Service - Overhaul

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Remont / Service - Overhaul

Remontna delatnost

ATB SEVER je specijalizovan na programu servisa i remonta asinhronih, sinhronih, jednosmernih i vučnih elektromotora, hidro i turbo generatora kako sopstvenih tako i svih priznatih svetskih proizvođača

Remontne usluge u oblasti električnih mašina

- rekonstrukcija
- remontovanje
- servisiranje
- fabričko ispitivanje
- merenja, ispitivanja i puštanje u pogon elektromotornih postrojenja
- unifikacija elektromotornih pogona
- izrada rezervnih delova
- obuka korisnika

Overhauling activities

ATB SEVER company is specialized in repairs and overhauling of asynchronous, synchronous, direct current and traction electric motors, hydro and turbo generators, of own production as well as made by other branded world manufacturers.

Overhauling activities in the field of electric machines include:

- reconstruction
- overhauling
- repair
- factory testings
- measuring, testing and start-up of electromotor plants
- unification of electromotor plants
- manufacture of spare parts
- training of users



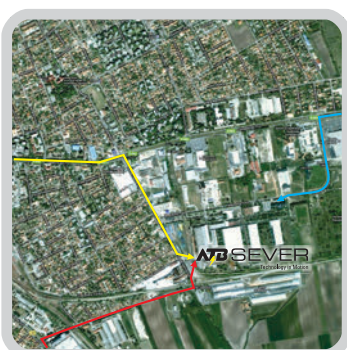
Veoma je lako doći do nas

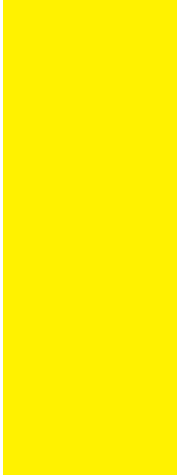
It is very easy to find us

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Lokacija / Location





Kontakti / Contact

ATB SEVER DOO SUBOTICA

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24 000 Subotica

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<http://www.atb-motors.com>

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