




ABZ Aggregate-Bau – for mobile power!



As manufacturers of engine-driven power generation sets, we make it possible: independent power supply, wherever it is needed: flexible, safe and stable.

Our top quality products prove themselves worldwide in many different designs and applications. With diesel or gas engines, stationary or mobile, in containers or in special designs – we can offer the right generating set for every demand!

Make your demands. We'll provide the solution.



This is our basis

Our products are trusted in more than 70 countries! There's no secret to this success, just many years of experience, cutting-edge know-how, strong in service – and conscientious production in our own factory!

Founded in 1980, our headquarters in Henstedt-Ulzburg covering 6,000 m² are conveniently located approx. 30 km to the North of Hamburg, with a current workforce of 34 employees producing approx. €11 million annual turnover.



Our products: as reliable as versatile

There's no limit to our range of products! Because our real strength is in the system solutions which we coordinate exactly to our customers' individual requirements. As stationary building unit or completely mobile as trailer installation, with housing or in a container, for ships or crane systems – we supply the following right on time:



- Diesel generators 25 kVA to 5000 kVA in all versions
- Diesel pumps
- Complete solutions for UPS systems with diesel unit
- All accessories including switchboards, air techniques, etc.
- Installation, maintenance and service.

Quality and service – here you can count on us

You can count on our quality because we keep everything in our own hands. Together with production, all planning, rating, design and service takes place here in our company.

All machines are checked meticulously before delivery on our own test stands. Extensive load tests and approximate simulation of later operating conditions guarantee perfect results.

Since 1996 we have been certified to DIN EN ISO 9001 and are authorised according to § 19 WHG (German water management law) to connect up tank systems.

We provide our customers with a full service, which includes world-wide installation, training, maintenance and naturally also after-sales support.





Productive examples



Building protection – create your own safety network!

An ABZ diesel generator is the intelligent supplement to your existing mains connection. In the event of mains failure, the diesel generators starts up automatically within 10–15 seconds to provide a reliable power supply. As soon as it is no longer required, the generator hands back to the mains supply and shuts down.

Container unit: compact packaging for powerful unit

The advantage of the container unit: the whole power generating set is supplied ready assembled in its compact container and can start operations immediately on the spot. ABZ installs sets in modified standard ISO containers; one-way certificates (CSC) can be ordered for sea transport.



Generating units for ships in every class



We manufacture marine auxiliary ship generating units in all designs in the output range from 50–1000 kVA, and according to the specifications of all renowned classification companies. Acceptance takes place on our own company test stands.

UPS systems – reliable power at any time

A UPS system provides an uninterrupted power supply: indispensable protection from mains failure and any kind of power supply problem. Our offer: complete units consisting of UPS systems plus diesel unit. In great demand with companies where data protection is very important.



The trailer makes power available everywhere

We supply diesel generating sets on all kinds of chassis according to the German road traffic regulations, including TÜV (MOT) acceptance on request.

Container – the easy way to change location

Our compact systems can change location at any time. Installation in a standard ISO container facilitates uncomplicated transport.



Housing – effective protection for indoors and outdoors

We manufacture weatherproof and soundproof housings individually to customised specifications and depending on the requirements of the erection site. The housing protects the machines from dust and rain, and ensures that sound emissions are kept to a minimum.

Crushing systems are always in special use

Recycling and crushing systems make special demands on your utility company. We manufacture diesel units rated for extreme peak loads and continuous operation in dusty environments.

Crane systems – stable power at dizzy heights

As the volume of goods transported by sea grows, so ports are enlarged, equipped with portainers and gantry cranes which require power. Here again, ABZ provides generating sets for a reliable power supply.



Getting pumps moving!

Diesel-driven pump units are conceivable for many different applications, for example as power packs for irrigation pumps, or for hydraulic, high-pressure and firefighting pumps.



Standards

All the generator sets correspond to international standards such as ISO, DIN, VDE, BS, etc.

The following specifications can be met:

- Federal Emission Protection law (BimSchG)
- Technical Instructions for Clean Air (TA Luft)
- Technical Instructions for Noise Protection (TA Lärm)
- VDE specifications (DIN VDE 0100, 0107 and 0108)
- Technical Electrical Operation Conditions (TAB) of Electrical Supply companies (EVU)
- Guidelines for planning, installation and operation of installations with emergency power generation sets, issued by the German Electrical Power Stations Association (VDEW)
- Guidelines for parallel operation of self generation installations with the network of the German Electrical Power Stations Association (VDEW)
- Prescriptions of the Construction Ordinance
- DIN standards
- Accident Prevention guidelines of the Employers' Liability Insurance Association
- Guidelines for the use of combustible materials in building construction
- Workplace Ordinance
- Ordinance concerning combustible liquids (VbF)
- Technical regulations concerning combustible liquids (TRbF)
- Water Management law (WHG)
- Emergency power '80

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