

INDUSTRIAL GENERATOR SETS

Features and Components



A COMPLETE LINE OF SOUND ATTENUATED ENCLOSURES

HIGH QUALITY STEEL AND PAINT PROCESS

The canopies are made of high quality steel and are completely powder coated. The paint is a three step process ensuring protection against erosion, scratching, and corrosion. Further we give a 5 year warranty on these enclosures.

ADVANCED WATERPROOFING AND DUST PROOFING

The control panel, service doors and canopy board adopt a waterproof design and effectively stop rain and dust intrusion.

EXCELLENT ANTI-VIBRATION DEVICES

Anti-vibration mountings between the engines, alternators and the base significantly reduce the vibrations during operation, ensuring stable operation. All movable devices are fixed firmly, and therefore help reduce vibration.



ENHANCED SAFETY

INFORMATION SAFETY

The machines are equipped with monitoring system, helping monitor the operation at real time. We provide Deep Sea control module for user friendly monitoring and operation, depending on your requirements.



The **DSE6020** is an Auto Mains Failure Control Module suitable for a wide variety of single diesel generator set applications. Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the module will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

The **DSE7420** is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single diesel generator set applications. A sophisticated module monitoring an extensive number of engine parameters. The DSE7420 will annunciate warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LED, remote PC, audible alarm and via SMS text alerts. The module includes RS232, RS485 & Ethernet ports as well as dedicated terminals for system expansion.



The **DSE8620** is an Auto Mains (Utility) Failure Control Module suitable for paralleling single diesel generators with the utility supply. Designed to synchronize a single generator with a single mains supply, the DSE8620 will automatically control the change over from mains to generator supply or run the generator in synchronization with the utility to provide no-break, peak lopping and peak shaving power solutions.

The DSE8620 module can indicate operational status and fault conditions on the LCD screen (multiple languages available), by illuminated LED, audible sounder and SMS messaging. Comprehensive communications are also available via RS232, RS485 & Ethernet for remote PC control and monitoring, and integration into building management systems. The comprehensive event log will record up to 250 events to facilitate maintenance.

ELECTRIC SAFETY

- The double protection for the cable connection panel lowers the probability of leakage caused by unintended touch or water intrusion.
- Three dimensional CABLING design for all the generator cables, providing reasonable, accurate and perfect protection.
- Automatic turn-on circuit breaker with under-voltage protection system inside maximally avoids mistakes.
- Automatic control module for multi-directional monitoring meets multilevel demands and provides protection of generator for users.

OPERATION SAFETY

- The radiator and high-voltage parts are guarded to avoid accidents caused by touch.
- The control panel is lockable. Current changeover switch, voltage regulator and circuitbreakers are installed behind door.
- Anti-vibration rubber mounts are installed in the two sides of the doors to avoid damage to the machine when the doors are open.
- Lockable fuel filling cap.



ENVIRONMENTAL PROTECTION

SUPER QUIET

The noise level can be reduced by 15-35Db(A) through multiple noise control devices, which enables quiet operation and has no effect on daily life. This feature makes our diesel generators ideal for use at night, at residences, offices and other environments sensitive to noise.

Cleaner exhaust, less effect on the environment, even in outdoor applications.

POWERFUL ENGINES

- Adopts world-famous engines, with low noise and low emissions.
- Rigid structure ensures minimal vibration.
- Common rail system: (for some models) significantly lowers the combustion temperature, and leads to cleaner exhaust.



EXCELLENT SILENCERS

Silencer and muffler pipe system dramatically reduce the noise during operation, and therefore cause less effect on daily life.

HIGH QUALITY SOUND ABSORBING MATERIAL

The interior is lined with new type fire retardant and sound absorbing material. The door is airproof with rubber seals specific for car doors use only, which helps absorb massive noise and heat during operation.

FULLY ENCLOSED NOISE REDUCTION

Besides applying rubber deals around the doors, the concept of noise reduction has also been fully integrated into the inlet/outlet and other aspects.

EASY TO OPERATE

CONTROL SYSTEM

- Micro-processor cored digital system.
- Multiple languages available
- Connected with mains through ATS, which can help realize automatic transfer between the utility and the generator.

CONVENIENT REFUELING AND DRAINING

- Outer filling fuel port
- 8 - 12 hours base fuel tank in soundproof generator sets prevent leakage and fuel spray when cleaning the interior. The fuel tank abides by European environment protection standards.
- Drainage outlet
- Water fill is located on the top of the canopy.



HUMANIZED DESIGN

- The oil drainage pump is located near door for easy operation.
- New type waterproof door lock for easy entry.
- Clear labeling in visible positions, providing adequate information, safety presentation and convenience for operators. The labels are made of advance materials, featured with excellent high-temperature resistance, rainproof and weatherproof performance.

CONVENIENT CONNECTION

- Terminal connection lugs (L1, L2, L3 and LN) make connection and wiring more simple and in order.
- Emergency stop provides convenient operation in emergent situation and when servicing.

EASY TO TRANSPORT

- The machines below 500kVA have holes for forklift and dragging in the base for easy transport.
- Lifting eyes located on the top of the canopy make easier move by cranes.

EASY TO MAINTAIN

- The daily maintenance work can be performed on both sides of the machine, and wide doors allow easy access to machine.
- An integral base drainage outlet located at teh bottom of the machine allow for easier regulr maintenance.
- For generators above 300kVA, a ladder comes standard for ease of service.

TRITON POWER, INC.
8511 NW 61ST STREET
MIAMI, FL 33166
PHONE: (305)592-6800
FAX: (305)592-5900

