

Product Model: **KDF6500Q-3 ( 5.7KVA)**  
**DIESEL GENERATOR SILENCED REMOTE CONTROLLE START, AVR**  
**ATS ( optional)**

**3 PHASE**, 4 Stroke Air Cooled, Automatic AVR, Direct Injection Diesel Engine with Electric, MANUAL & AUTOMATIC START fitted with REMOTE CONTROL START (2 SETS)



FEATURES OF THE KOOP 'SUPERPOWER' KDF6500Q-3SILENCED DIESEL GENERATOR:

**ENGINE:**

- MANUFACTURER: **KOOP.**
- MODEL: **KD186FAE (YANMAR DESIGN)**
- ENGINE: **4 Stroke, Air Cooled, OHV Direct Injection Diesel Engine.**
- DISPLACEMENT (cc): **420**
- ENGINE SPEED (RPM): **3600**
- Compression ratio: **19:01**
- MAX. POWER OUTPUT (HP): **10**
- STARTING SYSTEM: **Electric starter. Battery included 22AMP**
- EXHAUST SYSTEM: **Large Tuned Silent Style Exhaust system. (70db @ 7 meters)**  
**Double internal insulation blanket**
- START MODE: **Electric start , (AUTOMATIC START OPTIONAL ) REMOTE START**
- FUEL TANK: **16.0 Liters capacity.**
- RUN TIME CAPACITY: **12 Hours continuous running (Subject to load capacity).**
- FUEL TYPE: **Diesel.**
- OIL TYPE: **SAE 10W/30 above CC**

**GENERATOR:**

- GENERATOR TYPE: **Diesel powered silenced generator (Brushless).**
- RATED FREQUENCY: **50Hz.**
- PHASE: **THREE & SINGLE.**
- AC CONTINUOUS OUTPUT: **5000 watt**
- Power factor **1.0 single phase**
- AC MAX. AC OUTPUT: **5500 watt**
- AC VOLTAGE (V): **220/240 (10amp) /415V (32amp)**
- DC OUTPUT (W): **90**
- DC VOLTAGE (V): **1x12, 8.3 AMP**
- PANEL TYPE: **MSX**
- **Automatic AVR**
- DIMENSIONS: **930X520X700**
- BOX DIMENSIONS **960X540X730**
- WEIGHT: **176KG**
- **EC start + RC start, ATS socket installed ( ATS control box optional )**
- Industrial Silenced Muffler

**NOTE:**

Our generator sets are equipped with 'oil alert indicator and a 'Low oil level shut down system'.

This system will stop the engine automatically when oil level falls below the required correct level. This prevents accidents such as bearing seizures etc.

**GENERAL FEATURES:**

- **A new AVR** (Automatic Voltage Regulator) delivers non-fluctuating power. Compare to the first generation of AVR, the new AVR is much higher in performance.
- **Enclosed structure** brings quieter operation for the owner. A large silencer dampens exhaust noise while engine sounds are contained by a double-wall structure and absorbed by a liner.
- **Good reliability:** Thanks to advanced KOOP technology, such as well-proven crankcase design, high quality components and ongoing cooperation with '*Yanmar*' engineers.
- **Economical running:** The direct injection system using the newly developed micro fuel injection pump assures superior combustions efficiency and minimise fuel consumption.
- **Less vibration:** In addition to the reduced weight of reciprocating parts, a balancer shaft and 4-point mounting system have been adopted for extremely smooth running with less vibration.

**COMPLIES WITH CE, EC, EPA, CARB, CSA AND AS 3112**

**MAINTANANCE & FAQ:****Generator does not need any assembly. It's ready to use**

The unit requires minimal maintenance to achieve long and trouble-free use. E.g. Check oil regularly, change oil when required, clean oil filter, make sure all nuts and bolts are always firmly tightened.

**What is an Automatic Transfer Switch (ATS)?**

It is the brains behind the system. An ATS monitors the utility voltage, senses utility failure, starts and runs the generator, switches the electric load from utility to the generator, senses the return of utility power, switches the load back to utility and finally, after a short cool down period, turns off the generator. An ATS is sized in volts and amps and is matched to the generator and the utility service.

The Automatic Transfer Switch (ATS) constantly monitors the utility power. If there is an interruption in utility service, the ATS disconnects the utility service from the distribution panel and starts the generator.

When main power fails, the ATS will pause for a set period (determined at set up by the engineer) to ensure you don't have a power spike.

Once the generator is producing power the ATS connects the generator to the distribution panel. The standby generator is providing power to the distribution panel. This process takes from 10-20 seconds.

When the ATS senses that utility service is properly restored, it disconnects the generator from the distribution panel and reconnects the utility service. Next, the generator goes through a cool down period of about 15 minutes, then shuts down. The system is back in standby, ready to respond to the next power failure.

**How ATS works & Connecting ATS to Service Panelboard:**

Installing your transfer switch ahead of your main breaker is relatively simple.

However, minimal changes to your existing wiring may be required while making the installation.

\*\*Because of the complexities of some types of service panel-boards & wiring, it's

**STRONGLY** suggested you hire a licensed electrical contractor to make the installation.

**PAYMENT:**

- Pay Pal.
- Direct Deposit (preferred method)
- Cash on pickup, Cash on delivery ( plus delivery fee)
- Bank Deposit: Payment from other banks other than the Commonwealth Bank, please allow 48 hours for clearance of funds.

**SHIPPING & HANDLING:**

We can ONLY ship within Australia. We can deliver to your door\*

**RETURN & WARRANTY:**

- This item is brand new. Not refurbished, damaged, or used.
- Tested & sealed in factory package.
- All sales are final. No refunds, No change of mind or exchanges available.
- 90 days manufactory defective parts only warranty.
- We allow 3 business days to report the manufactory defectives upon arrival.
- This warranty does not include normal wear, labour or spare parts, without limitation where appropriate, batteries, light bulbs, fuse and filters. Seller is not responsible for any damage caused by improper assembly or misuse of item.
- All postage expenses incurred in connection with the repair or replacement of any goods or any defective parts are the customer's responsibility. This means if the goods have to be returned to us we will not pay the postage charges neither way.
- This warranty shall not include any defects or damages to goods resulting from misuse, failure to follow the manufacturer's recommendations concerning use and maintenance, or damage that is not the result of normal use.
- Shipping & Handling is not refundable. The returned item must be in NEW condition enclosed in to full package. item missing original packing will not accept any refund.
- Batteries are not cover with this warranty.

**We only offer good quality products and we make every effort to meet your high standards for quality products, accurate descriptions, and reliable delivery and customer service.**

**WE ARE NOT RESPONSIBLE FOR DAMAGE ANY LOSS OR INJURY CAUSED BY IMPROPER INSTALLATION OR OPERATION OF THIS GENERATOR.**