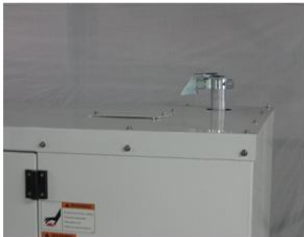


## Kubota® Series Catalog



### A WORLD LEADER IN INDUSTRIAL ENGINE TECHNOLOGY KUBOTA

Kubota engines have a high reputation and long history for out of the box and in field quality and durability. At the base of this reputation is the initial match and application engineering that starts with the very first test engine.

Application Engineering is one of the core strengths that KEA provides.

The engineering staff at KEA works along with the customers from the beginning stages of planning the application. They customize an engine specifically for that customer. Through this process, they offer the best support to customers based on their experience and knowledge with Kubota engines. They also provide application engineering training and distribute the latest technical information to the engi-



neers from their distributors and OEMs in the U.S. and Latin America. They continuously strive to provide their customers with the best engineering support.

Approximately 800 service dealers in the U.S. are overseen by our Kubota engine distributor network. In response to the expanding business in Latin America, they currently have Kubota engine distributors located in Mexico, Guatemala, El

Salvador, Nicaragua, Colombia, Venezuela, Peru, Ecuador and Chile and they continue to increase their coverage in Latin America to support the Kubota powered products.

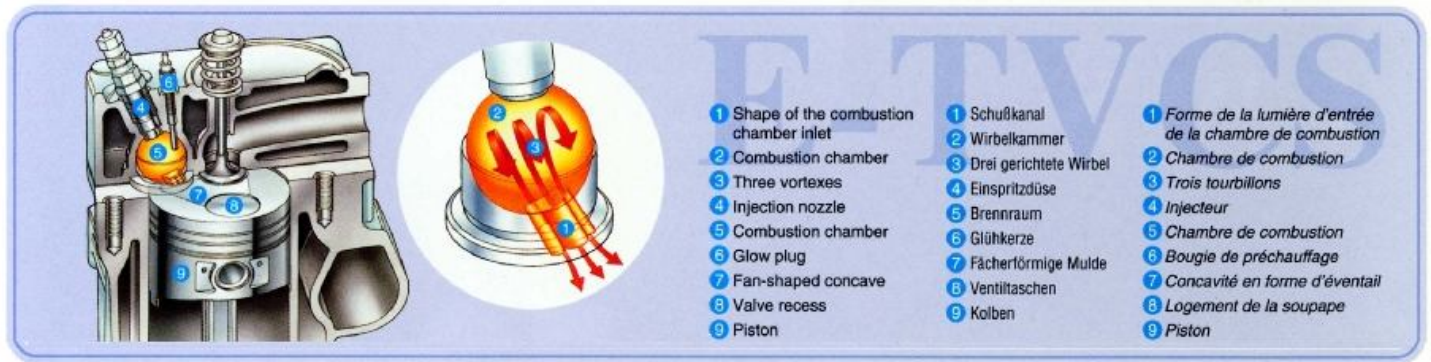


### FUEL EFFICIENCY AND PERFORMANCE

Kubota's longstanding devotion to research and development has earned them a growing reputation worldwide as a manufacturer of top quality diesel engines. One of Kubota's major concerns has always

been the development of a more compact, fuel efficient, and cleaner exhaust engine. Kubota was the first manufacturer to pass the U.S. CARB ULGE emission regulations for engines under 25HP. All Ku-

bota-made diesel engines are now in compliance with the U.S. E.P.A., the European EC, and the Japanese MOC regulations. Kubota will continue to work aggressively toward meeting all future emission



*People and environment friendly. Kubota's E-TVCS engine was the first in the world to pass the CARB (California Air Resource Board) ULGE (Utility, Lawn, and Garden Equipment) regulations for diesel engines under 25 HP in April, 1993. V3300/V3300-T are the latest diesel engines to follow in its footsteps. Kubota's advanced technology uses a new 3-valve per cylinder construction that boasts high output and torque while keeping both vibration and exhaust emissions down to a minimum. Our aim is to achieve a harmonious existence between nature and technology. Kubota's V3300/V3300-T engines make a new beginning for engine possibilities.*

standards. The concave recess on the piston head helps Kubota's E-TVCS (Three Vortex Combustion System) generate three intense swirling air flow (vortexes) within the spherical-combustion chamber to obtain an optimum air/fuel mixture. This superb combustion system

improves the power output, fuel economy, and engine start ups, while reducing both noise and toxic emissions.



## FEATURES

### Low Noise

Noise levels during load and no-load operations are kept to a minimum with Kubota's renowned low-noise diesel engine development technology and E-TVCS.

### Large Capacity, High Speed Flyweight Governor

Instead of the conventional ball type governor, a large capacity, high speed flyweight governor is used. This ensures stable operation at a low revolution speed, high torque rise, and Stead State Governor Regulation.

### Quick Start Ups

Super glow system comes as standard equipment to shorten preheating time and quicken engine start up in cold temperature.

### Highly Reliable Engine

Based on Kubota's original sturdy design, the engine promises great reliability and long service life with advantages to meet most any application.

### Increased PTO Capacity for Beltdrive

The crankshaft has enough diameter, strength and main bearing area to meet various applications and to handle heavy loads.

### Pollution-Free Design

In addition to the excellent features such as clean exhaust and low noise, we have also designed them against asbestos pollution.

### Accessories/Options

A full range of accessories and options are available to meet customer's demand.

# ARMSTRONG POWER SILENT SERIES

There are only two words to describe the silent series from Armstrong Power: FULL EXTRAS.

The unit came with an aluminum enclosure and stainless steel hardware as standard; this will ensure that the unit will stand any weather condition keeping his clean and nice appearance even after years of use.

120 gallon tanks for units between 12kw up to 20 kW and 150 gallon tanks for units up to 37 kW as standard.

Once you start the unit, the Sound attenuation system gives you 65dBA @ 7m noise rating which make the unit ideal for residential purposes.

Digital controls incorporated on the unit, will give you a crystal operation and will make easy the human interface.

Each unit comes with a battery charger to ensure that the battery will be ready at any time to start the unit.

Transfer switch connections included to make the installa-

tion process easier.

Now that you have an idea this is the best part. THE PRICE... same of any unit half the quality and specs.



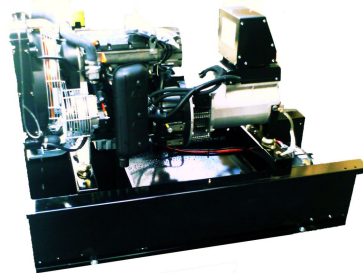
# ARMSTRONG POWER OPEN SERIES POWERED BY KUBOTA

For applications were some of the standard extras on the silent series are no necessary , we have a open unit with a basic configuration at the lowest price in the market with the best mechanical and technical package in the market.

Digital controls are standard

also on this equipments and a 20 gallons fuel tank.

Industrial Silencer.

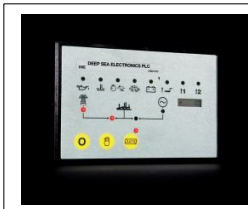


*Armstrong Power Silent Series: "Only some body with our experience can put together so much for so little"*

# DIGITAL CONTROLS

## Deep Sea 4120 (Silent series up to 20 Kw) and Open units.

The DSE4120 is an Auto Mains Failure Control Module that offers an excellent range of engine monitoring and protection features. The module has been designed to automatically start the generator when the mains (utility) power fails.



Controller Module 4120

## Deep Sea 5120 (Silent Series 30kW and 37kW)

The DSE5120 is an Automatic Mains Failure Control Module designed to automatically start and stop diesel and gas generating sets that include non electronic engines. The module



Controller Module 5120

displays fault conditions on the LCD display and via the LED indicators on the front.