# KIPOR

INNOVATION LEADS TO THE FUTURE OF POWER

www.ourepsilon.com

# Chairman

## HIGHER EFFICIENCY LOWER EMISSIONS

Great changes have taken place since the establishment of KIPOR.

We live in a global economy that is defined by its volatility, but at the same time, we have seen amazing changes that will forever affect our future to make it better.

Technologies are becoming cleaner and cleaner.
Reserves of cleaner fuels need to be increased.
Access to better goods and services in developing markets are growing rapidly.

To many in the past, these advances were unimaginable, especially given such a tumultuous economy.

Today, we see these changes that can lead to growing economies, a sustainable environment and a better life for people and our society. The challenges here and there will inspire us to think more, to marshal resources and to work harder to help solve the world's toughest problems. Doing the right thing the right way, is how we define how to combine innovation and ecology.

We KIPOR deeply take our mission into consideration, to provide highly efficient and innovative products and a series of solutions for the customers. It is our genuine wish to produce "Low Carbon" products.

We are always dedicated to develop new technologies to make the world better. Through years of continuous effort, innovative technologies are developed and applied to increase efficiency and make our products more environment friendly.

Now we are together facing the global crises that the non-renewable resources are limited. Facing this challenge, it is extremely important to find alternative fuels.

We KIPOR have started to take actions. We have been on the road to produce gas generators by using the alternative fuels. All our efforts reflect our belief in a better way, our relentless drive to invent and our commitment to helping the world work better.

As we work in 2014 and beyond, we're excited about delivering more efficient energy solutions, making it easier and more efficient to move our products and resources to where they are needed, and contributing to stronger and more resilient economies.

Thank you

Henglin Xiao
Chairman and CEO

# Contents






## ALL-IN-ONE SYSTEMATIC MANUFACTURER

As a supplier of complete power system, KIPOR designs and manufactures engines, alternators, UPS, switch gears, automatic transfer switches and paralleling switch gears.

All the components are designed to work together. KIPOR's vertically integrated strategy provides a seamless, high efficient and low cost solution. The complete KIPOR power system maintains reliability of the power system through the use of high quality durable products and proven technology.

The optimized engine performance and excellent subsequent processing device provide the customers an extremely cost effective plan.

KIPOR

# The UK Operation

KIPOR UK

## Service and Support

**OUR BUSINESS IS POWER**

Whether it's power for your business, a backup generator powering the family home through power cuts, portable generators powering tools at the job site or giving you power for leisure use, Kipor meets the power needs of consumers and businesses alike - Across the country and around the World.

Kipor manufactures the widest range of power products in the marketplace including portable, residential, commercial and industrial generators.

At Kipor we protect the things that power your life by providing quality and affordable power solutions.

## Ask Richard

**Service & Support**

We understand the needs of customers and we are always here to help,
Our commitment to ensuring that we provide our customers with informative information from what type of generator is suitable to meet there needs to all the technical questions that you may have.

At Kipor our service and support department is run by our engineers who have the knowledge base to answer any question however complex.

You can contact us on 0121 296 2041
or email us at support@kiporuk.co.uk

## Dealer Network Directory

**Kipor Dealer Network**
Backed by a extensive dealer network across the UK, Kipor has many dealer locations across the country to get you the equipment, service and support you need to get your job done!

Kipor is committed to customers and distribution partners who expect world-class products, service and support everyday. Kipor is commited to continually strengthen our coverage to grow this world-class service and support.

Find your local dealer by using our Dealer Network Directory at www.kiporuk.co.uk

## Validate Your Warranty

**Kipor Online**
Our website has been developed to provide comprehensive information and support for our customers.

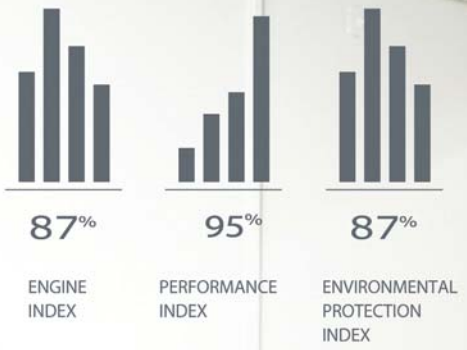
Customers have the ability to purchase products, register their warranty plus many other features.

Customers are also able to use our comprehensive owners section which is filled with information, manuals, videos etc..

# Kipor Factory


- 7.3 million square feet of manufacturing space.
- Selling in over 150 countries.
- Over 3000 Employees.
- Over 500 Engineers.

# Research & Development




KIPOR has invested tremendously in R&D throughout the years and arrives at the forefront of technology innovations.

Today, KIPOR has a strong R&D team, a high-energy management team, and a state-of-the-art production facility.

KIPOR produces over 400 different models in five major product groups. Most have achieved internationally recognized safety and environmental certifications including CE, EPA, UL, CSA, CARB and CETL.

KIPOR's success is due to the fact that we are always looking for the next great technological innovation.

We continuously search for new materials, techniques and systems that will help us to build better products and offer our customers even higher levels of service and performance.

KIPOR has reached a new level as an international company since its early days as a family business. Our comprehensive strength has never been more evident than today as shown by the development of KIPOR's large scale engines and generators.

No matter where or when, we never forget the heavy burden of social responsibility we carry owing to the care and assistance that society has bestowed upon us. KIPOR will create a great future hand in hand with you- our customers, partners and friends.

**It is our mission to provide high efficient and innovative products and a series of solutions for the customers, meeting the needs of "low carbon" products.**

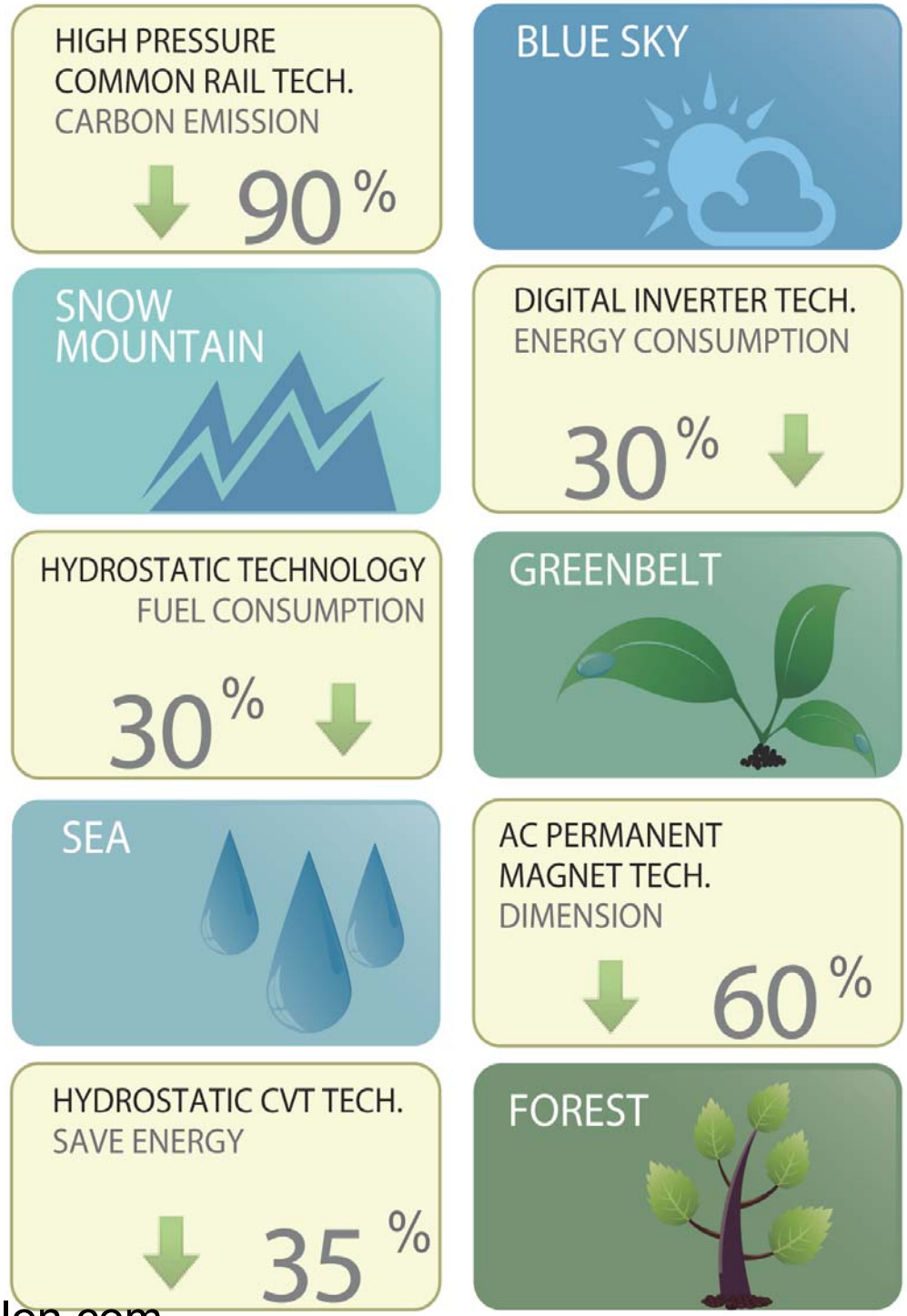
# Social Responsibility

## SUSTAINABILITY

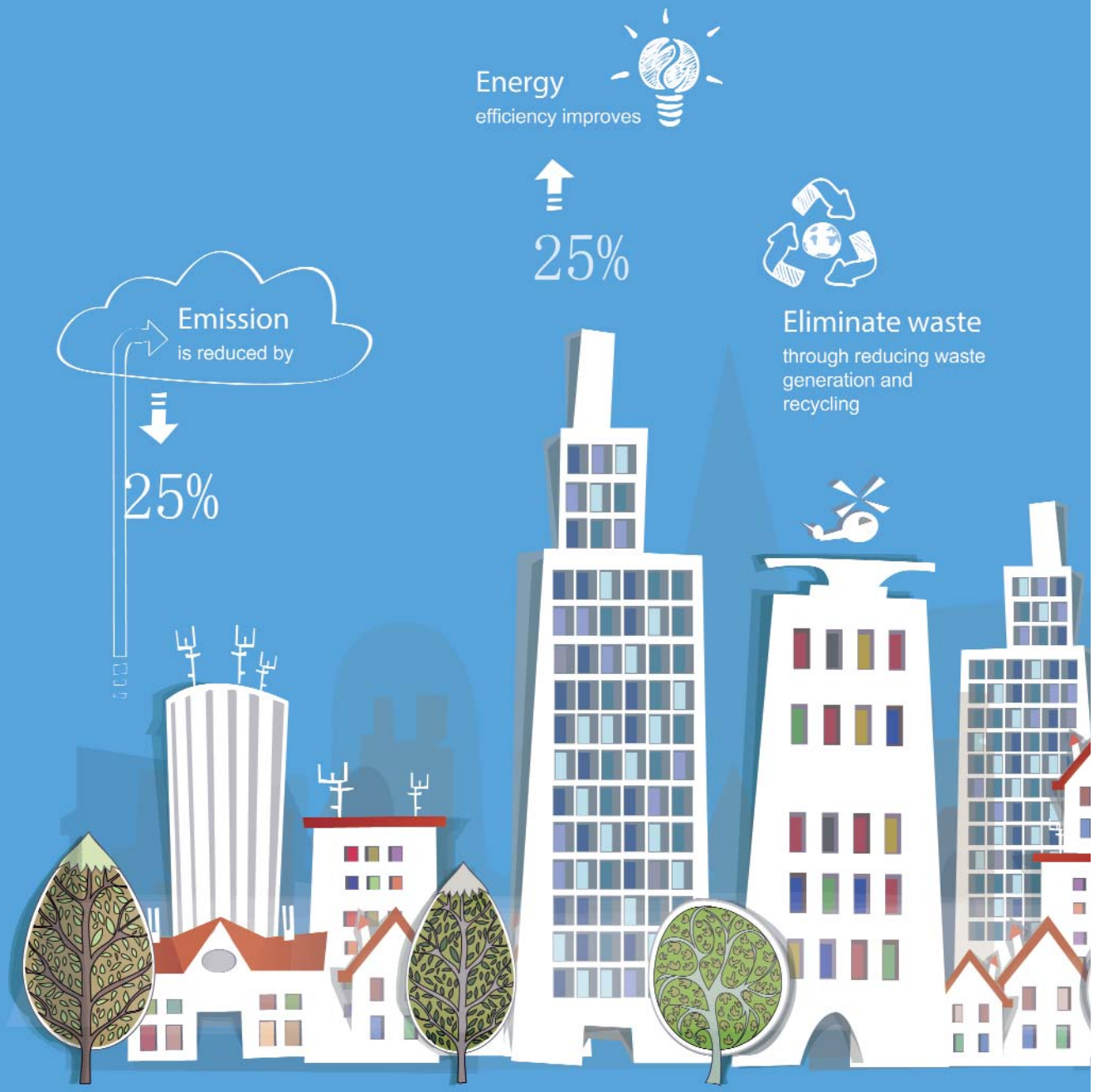
For the past few years, we have made progress on improving efficiency, reducing emissions, saving energies and protecting the local environment, due to

KIPOR's several advanced technologies.

We are inspired by these progresses and we know we still have a long way to go.
It is universally known that it is a preserving course to realize sustainable development and we are dedicated to be a pioneer to lead this course.



# A GREEN FUTURE

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## GREEN FUTURE

We still have a long way to go and we are determined to continue contributing to a more sustainable, developed and greener world through our persistent efforts.

We will apply our newly developed Common Rail technology and the electric Injection Management technology to Kipor's third generation of engines and engine products, to enhance their benefits to the mankind. The goal is to make efficient fuel consumption and lower emissions, thus to realize the truely No-Smoke-Emission of Kipor's engines. The turbidity is 7%, which is invisible by human eyes.

We strive to meet the daily needs of the mankind , at the same time we want to take good care of the environment that we all share around the world.

# Projects


## HYDROPOWER STATION

KIPOR provides standby power for Flood Discharge and Security at the Xin'an River Hydropower Station.

## COMMUNICATION BASE STATION

The Data Room for Changzhou Telecom needs continuous power supply to avoid data information lost, ensuring signal net coverage and normal work.




## RENTAL SERVICES

KIPOR 1200kw Diesel Generator successfully handed over to Shanghai Zhenhua Heavy Industry providing power for repair work on the ships in the docks.

## DATA CENTRE

Shandong Unicom Data Center is the largest IDC Room built in north China. KIPOR generators were chosen as standby power for 1st and 2nd stages.

# IG Petrol DIGITAL GENERATORS


**SILENT, PORTABLE and RELIABLE POWER – ANYWHERE**

Power isn't always available where and when you are working. Take a Kipor portable generator to that far corner instead of running lengthy extension leads. Or rely upon portable power if you need to turn off the main power whilst working.


## Features and Benefits

One of KIPOR's never ending tasks is to produce high quality environmentally friendly generators.Today KIPOR offers digital generator which are considered advanced, reliable,and with a high quality output.

**Inverter Technology**
Kipor digital generators deliver a stable, pure sine wave AC output, reliable enough to power computers and other sensitive equipment. The inverter module adjusts the engine speed based on the load required resulting in reduced wear and fuel consumption.

**Lightweight & Compact Design**
Maximum portability and efficiency. The alternator is connected directly to the engine, eliminating the weight of the flywheel.

**Low Noise Design**
Optimized for efficiency resulting in clean digital power.

**Overload Protection**
The microprocessor control instantly senses an overload or short circuit and immediately shuts off the engine to protect the generator and the load.

**Smart Throttle Technology**
Ensures that the engine will run at the lowest engine speed required for the power that you are using. This adds to the fuel economy and reduce noise levels during use.

**Unique Structure / Latest Technology**
The generator is cooled by a patented air intake system. The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric power.

**Certification**
Kipor digital generators have received EPA, CE, CARB, CETL and PSE certifications.

**Green Power Systems**
The Kipor IG Series is among the most environmental friendly class of generators in the marketplace.

**Quality Power**
Kipor applies inverter technology to the IG series to produce pure sine wave AC output.

**Wide Range of Benefits**
In addition to clean, quiet and efficient power, Kipor offers superior overload and low oil level protection to all digital generators.

# HOW MUCH POWER




## Choosing the Right Generator

**1** List the products and tools that you intend to use.
Determine the power requirement for each product. Allow for starting load.

| Product | Power requirement |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

**2** Total up the wattage of the products that will be used at the same time.
_____Watts

**3** Choose the generator that has the closest rated output to your requirements also leaving 10% for contingency.

| Appliance | Watts |
|---|---|
| Fluorescent Lamp | 60 |
| Light Bulb | 100 |
| Palm Sander | 175 |
| Radio/Hi Fi | 200 |
| Colour TV | 250 |
| Central Heating Pump | 300 |
| Strimmer | 350 |
| Jig Saw | 400 |
| Drill | 450 |

| Appliance | Watts |
|---|---|
| Hedge Trimmer | 500 |
| Flood Lamp | 500 |
| 4" Angle Grinder | 550 |
| Fridge / Freezer | 700 |
| Personal Computer | 1200 |
| Steam Iron | 1250 |
| Hair Dryer | 1400 |
| 600W Microwave | 1500 |
| Portable Heater | 1500 |

**All IG generators come with a**

**KIPOR 3 YEAR WARRANTY**

# PETROL Generators

## IG Petrol DIGITAL GENERATORS





| MODEL | IG770 | IG1000P | IG2000P | IG2600P | IG2600 P/H |
|---|---|---|---|---|---|
| Type | Portable/Silent | Portable/Silent | Portable/Silent | Portable/Silent | Portable/Silent |
| Voltage | 230 | 230 | 230 | 230 | 230 |
| Frequency | 50 | 50 | 50 | 50 | 50 |
| Current | 3.04 | 3.9 | 7 | 10 | 10 |
| Rated Output Kva | 0.7 | 0.9 | 1.6 | 2.3 | 2.3 |
| Max Output Kva | 0.77 | 1.0/1.8P | 2.0/3.6P | 2.6/4.6P | 2.6/4.6P |
| Battery Charger | | 12V/5.0A | 12V/5.0A | 12V/5.0A | 12V/5.0A |
| Noise Level @ 7M dBA | 60-65 | 54-59 | 61-73 | 58-65 | 58-65 |
| Dimensions mm | 415 x 220 x 360 | 420 x 250 x 395 | 513 x 300 x 430 | 640 x 330 x 465 | 640 x 330 x 465 |
| Weight Kg | 10.5 | 14 | 22 | 29.5 | 29.5 |
| Engine Type | , | ALL MODELS - Single cylinder, in-lined, 4-stroke, air cooled, overhead valve | | | |
| Ignition | Electronic | Electronic | Electronic | Electronic | Electronic |
| Starting | Pull start | Pull start | Pull start | Pull start | Pull start |
| Tank Capacity - litres | 1.55 | 2.6 | 3.7 | 2 | 5 |
| Running Hours / tank | 3-5 | 5-7 | 4-6 | 4-6 | 4-6 |
| Lube Oil | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 |
| Oil Capacity - litres | 0.15 | 0.2 | 0.4 | 0.55 | 0.55 |

# IG Petrol DIGITAL GENERATORS




| MODEL | IG2600/110V | IG3000P | IG4000 | IG6000H |
|---|---|---|---|---|
| Type | Portable/Silent | Silent / Box | Silent / Box | Silent/Box |
| Voltage | 110 | 230 | 230 | 230 |
| Frequency | 50 | 50 | 50 | 60 |
| Current | 20 | 12.2 | 17.4 | 23.9 |
| Rated Output Kva | 2.3 | 2.8 | 4 | 5.5 |
| Max Output Kva | 2.6 | 3.0/5.4P | 4.3 | 6 |
| Battery Charger | 12V/5.0A | 12V/5.0A | 12V/5.0A | 12V/5.0A |
| Noise Level @ 7M dBA | 58-65 | 63-73 | 65-73 | 66-75 |
| Dimensions mm | 640 x 330 x 465 | 685 x 430 x 495 | 785 x 470 x 570 | 802 x 495 x 655 |
| Weight Kg | 29.5 | 47 | 70 | 96 |
| Engine Type | ALL MODELS - Single cylinder, in-lined, 4-stroke, air cooled,overhead valve | | | |
| Ignition | Electronic | Electronic | Electronic | Electronic |
| Starting | Pull start | Pull Start / Electric | Pull Start / Electric | Electric |
| Fuel type tank Capacity- l | 5 | 13 | 13 | 22 |
| Running Hours / tank | 4-6 | 7-10 | 7-10 | 7-10 |
| Lube Oil | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 | ABOVE SF SAE 10W-30, 15W-40 |
| Oil Capacity L | 0.55 | 0.6 | 1.1 | 1.1 |

# ID Diesel DIGITAL GENERATORS

The Kipor diesel inverter generator brings the latest technology to portable generators - the perfect match between the engine and a high efficiency multi-pole alternator and microprocessor controlled inverter system.



## Features and Benefits

The permanent magnet alternator eliminates excitation windings, carbon brushes and rotor slip rings. The construction is much simpler with the stator bolted directly to the engine. The alternator is smaller in size but can achieve an alternator efficiency of 93%. High in reliability, free of radio interference and capable of operating in high humidity and dusty environments.

**Stable Output**
Application of inverter technology ensures a stable true sine-wave output with total harmonic distortion (THD) less than 1% and voltage and frequency fluctuation less than 1%.

**Inverter Technology**
Advanced inverter technology provides reliable power for computers and other sensitive equipment.

**Quiet and Fuel Efficient**
Silent design 57 – 70 db(a) at 7 metres, powered by a fuel efficient and long lasting diesel engine lowering the cost of operation.

**Compact Structure, High Output**
The design is a compact structure resulting in a small size, light weight, quiet and high engine efficiency.

**More Economy**
Engine running speed varies with the load resulting in higher fuel economy and prolonged engine service life. Compared with Kipor conventional generators, Kipor diesel inverters reduce fuel consumption by up to 40%. Users benefit by a much lower cost of operation.

**Optimized Alternator**
A permanent magnet alternator eliminates excitation windings, carbon brushes and slip rings greatly reducing weight and service requirements.

**Complete Protection**
Low oil pressure, high coolant temperature, over and under voltage, short circuit and incorrect battery connection, these protections are integrated into each set and ensure long, safe and reliable operation.




| MODEL | ID6000 | ID7000 | ID10 | ID15 | ID20 |
|---|---|---|---|---|---|
| Type | Silent / Box | Silent / Box | Silent / Box | Silent / Box | Silent / Box |
| Voltage | 230/115 | 230/115 | 230/115 | 230/115 | 230/115 |
| Frequency | 50 | 50 | 50 | 50 | 50 |
| Current | 21.7/43.5 | 23.9/47.8 | 41.3/82.6 | 63/126 | 84.8/169.6 |
| Rated Output Kva | 5 | 5.5 | 9.5 | 14.5 | 19.5 |
| Max Output Kva | 5.5 | 6 | 10.5 | 16 | 21 |
| Battery Charger | | | | | |
| Noise Level @ 7M dBA | 62-69 | 65-72 | 66 | 68 | 68 |
| Dimensions mm | 875*530*750 | 934*564*750 | 1250*650*840 | 1500*780*1000 | 1600*780*1050 |
| Weight Kg | 168 | 189 | 285 | 500 | 635 |
| Engine Type | Single-cylinder, 4 stroke, air cooled, direct-injected | Single-cylinder, 4 stroke, air cooled, direct-injected | 3 Cylinder, in-lined, water-cooled, 4-stroke, turbocharged | 3 Cylinder, in-lined, water-cooled, 4-stroke, turbocharged | 4 Cylinder, in-lined, water-cooled, 4-stroke, direct-injected |
| Ignition Starting | Electric | Electric | Electric | Electric | Electric |
| Tank Capacity - litres | 14.5 | 14.5 | 20 | | |
| Running Hours per tank | 6-10 | 6-10 | 6-10 | | |

# KDE Diesel GENERATORS


The Kipor Automatic Transfer Switch (ATS) is the safest and easiest way to connect your Kipor generator to your house or property in the event of a power cut. Kipor models built in digital control panels can be used to link into a Kipor ATS switch to allow the generator to be automatically started in the event of a power failure.

Our home is a busy place. There are many reasons to equip your home with a standby generator and it is probably much easier than you think.


## Features and Benefits

Your home and business needs power. Kipor generator sets are of professional quality and are designed for residential and office use. All Kipor generators meet or exceed relevant standards for noise and emissions regulations.

- Versatile Power
- Convenient portability
- Stable, clean power
- Safe Shutdown
- Recoil Starter / Electric starter
- Easy Maintenance
- Cleaner, safer and quieter

**Robust & Durable**
Compact, robust and resilient structures ensure long unit life and quiet operation. Thicker paint treatments resist the wear and tear caused by extreme environmental conditions.

**Designed to be easily transported**
Compact design makes it easy to fit into tight confines and still provide optimum performance.

**Easy to use**
The control panel is simple and easy to operate. Built in monitoring of the units performance provides a high level of information on the generators status.

**Designed for simple serviceability**
Large service doors provide easy access to preventive maintenance and service checks.

**Control Panel**
All operating functions of the generator sets are on the panel. Digital readout displays operating parameters in real time such as output voltage and amperage. Circuit breakers protect the generator from overloads.

# KDE Diesel GENERATORS







| MODEL | KDE6700T | KDE6700TA | KDE 6700TA3 | KDE12STA | KDE12 STA3 | KDE19STA | KDE19STA3 |
|---|---|---|---|---|---|---|---|
| Type | Enclosed Diesel | Enclosed Diesel | Enclosed Diesel | Enclosed Diesel | Enclosed Diesel | Enclosed Diesel | Enclosed Diesel |
| Voltage V | 115/230 | 115/230 | 230/400 | 115/230 | 230/400 | 115/230 | 230/400 |
| Current A | 19.6/39.2 | 19.6/39.2 | 7.9/23.7 | 37/74 | 14.5/43.5 | 62.6/125 | 23.5/70 |
| Frequency Hz | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Rated Output KVA | 4.5 | 4.5 | 5.5 | 8.5 | 10 | 14.4 | 16.25 |
| Max Output Kva | 5 | 5 | 6 | 9.5 | 11 | 16.7 | 18.75 |
| Phase | 1 | 1 | 3 | 1 | 3 | 1 | 3 |
| Alternator | Brush/AVR | Brush/AVR | Brush/AVR | Brush/AVR | Brush/AVR | Brush/AVR | Brush/AVR |
| Display | Voltmeter | Digital | Digital | Digital | Digital | Digital | Digital |
| Auto Start Option | | yes | yes | yes | yes | yes | yes |
| Noise dBa @ 7M | 72 | 72 | 72 | 72 | 72 | 70 | 72 |
| Dimensions mm | 930 x 535 x 742 | 930 x 535 x 742 | 930 x 535 x 742 | 1350 x 650 x 760 | 1350 x 650 x 760 | 1550 x 720 x 810 | 1550 x 720 x 810 |
| Weight Kg | 170 | 170 | 170 | 310 | 310 | 442 | 442 |
| Engine Type | Air Cooled OHV | Air Cooled OHV | Air Cooled OHV | Water Cooled V | Water Cooled V | Water Cooled Triple | Water Cooled Triple |
| RPM | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| Fuel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel |
| Starting | Electric Only | Electric Only | Electric Only | Electric Only | Electric Only | Electric Only | Electric Only |
| Tank Capacity - litres | 15 | 15 | 15 | 26 | 26 | 38 | 38 |
| Running Time / tank | 6-10 | 6-10 | 6-10 | 7-10 | 7-10 | 7-10 | 7-10 |

# DIESEL Generators

## KDE GENERATORS

Kipor's general generators are essential equipment for reliable power, from the toughest building sites to emergency situation around the world.



| MODEL | KDE7000STA | KDE7000STA3 |
|---|---|---|
| Type | Enclosed Diesel | Enclosed Diesel |
| Voltage V | 115/230 | 230/400 |
| Current A | 18.3/36.5 | 7.6/22.8 |
| Frequency Hz | 50 | 50 |
| Rated Output KVA | 4.2 | 5.5 |
| Max Output Kva | 4.6 | 6 |
| Phase | 1 | 3 |
| Alternator | Brush/AVR | Brush/AVR |
| Display | Digital | Digital |
| Auto Start Option | Yes | Yes |
| Noise dBa @ 7M | 65 | 65 |
| Dimensions mm | 870*645*710 | 870*645*710 |
| Weight Kg | 175 | 155 |
| Engine Type | Air Cooled OHV | Air Cooled OHV |
| RPM | 3000 | 3000 |
| Fuel | Diesel | Diesel |
| Starting | Electric Only | Electric Only |
| Tank Capacity - litres | 15 | 15 |
| Running Time / tank | 6 to 10 | 6 to 10 |

## Features and Benefits

With the purpose of expanding the generator group, KIPOR has brought out a new series of general generators on the basis of previous technical achievements. Compared with traditional models, diesel general gensets have been greatly improved by technical breakthrough and innovation, which are featured by impressive noise reduction, easy transportation, higher power, easy maintenance, and so on.

- Compact, Powerful and Long-Lasting
- Convenient Use and Maintenance
- All the Safety of KIPOR Products
- Super silent, low noise

**Stronger Power**
KIPOR's newly-developed single engine can be introduced with excellent low speed torque to the structure of gensets, not adding the overall dimension of the gensets; the application of KT5 and KT6 alternators enhances the generating efficiency.

**Remarkable Noise Reduction**
Thanks to persistent research and development of KIPOR's technical departments gensets' noise level at no load is decreased to only 65dB(A)/m, which has already been impressive progress for noise reduction.

**More Convenient Maintenance**
AVR, air filter and fuel filter are all designed with individual access panels, so that component replacement can be done without dismounting the genset cabinet.
Digital controller

# Natural Gas GENERATORS




Critical power application is an important part of every industry; protecting them starts with reliable KIPOR natural gas generators. Our gas models deliver dependable power in a wide range of output requirements. From small-load residential and business to heavy industry, every KIPOR gas generator is engineered to provide maximum power, performance, flexibility and fuel efficiency. They are compact and sound insulated and work reliably to provide clean backup power when there is a power outage ensuring normal activity at home, with complete peace of mind.

**High Quality Power Output**
KIPOR's legendary engines and exclusive technology provide greater starting capability for lots of loads.

**Safer Power for Sensitive Electronics**
Many power sources can damage and degrade sensitive home electronics due to unstable power quality or high levels of total harmonic distortion. KIPOR natural generators protect all of your valuable appliances and sophisticated electronics with cleaner, safe and stable power.

**Quieter Operation**
Similar to a typical vacuum cleaner.

**Faster Response**
KIPOR natural generators restore power immediately an outage occurs, without any interruption of your activities.

**Environment Friendly**
Low emissions in lined with the international green trend.

| MODEL | KNE5500 | | KNE9000T | |
|---|---|---|---|---|
| Rated frequency (Hz) | 50 | 60 | 50 | 60 |
| Rated output (kVA) | 4.5 | 5 | 8 | 8.8 |
| Max. output (kVA) | 5 | 5.5 | 8.8 | 9.6 |
| Rated Voltage (V) | 115/230 | 120/240 | 115/230 | 120/240 |
| Rated current (A) | 39.1/19.6 | 41.7/20.8 | 69.6/34.86 | 73.3/36.7 |
| Rated rotation speed (r/min) | 3000 | 3600 | 3000 | 3600 |
| Generator model | KT6 | | KT12 | |
| Phase NO. | Single phase | | Single phase | |
| Power factor (Cos Φ) | 1.0 | | 1.0 | |
| Insulation Grade | B | | B | |
| Pole number | 2 | | 2 | |
| Excitation mode | Self-excitation & constant voltage (AVR) | | | |
| Engine Model | KN390G | | KN690G | |
| Engine Type | Two cylinder, V-twin, air-cooled, four-stroke,OHV | | | |
| Cylinder NO.-bore×stroke (mm) | 88 x 64 | | 78 x 72 | |
| Displacement (ml) | 389 | | 688 | |
| Compression ratio | 8.5:1 | | 8.5:1 | |
| Rated power | 7 | 7.7 | 12 | 14 |
| Combustion system | T.C.I | | T.C.I | |
| Spark plug | WR7DC | | F6RTC | |
| Starting system | 12V Electric starter | | 12V Electric starter | |
| Battery capacityx No.(V-Ah) | 12V 11Ahx1 | | 12V 36Ahx1 | |
| Lubrication system | Pressure splashed | | Pressure splashed | |
| Lube oil brand | CD grade or SAE10W-30, 15W-40 | | | |
| Lube capacity (L) | 1.1 | | 1.3 | |
| Gas | Natural gas | | Natural gas | |
| Gas Supply pressure(kPa) | 2.0±0.5 | | 2.0±0.5 | |
| Gas consumption (M3/h) | 1.66 | | 2.87 | |
| Noise level(7m) [dB(A)] | 65-75 | | 68-77 | |
| Stucture type | Silent | | Silent | |
| Overall dimension (L×W×H) (mm) | 1000 x 550 x 710 | | 1050 x 630 x 760 | |
| Net weight(kg) | 160 | | 200 | |

# DIESEL Generators

## KDE Ultra Silent GENERATORS


Sure, the KIPOR KDE series will power heavy duty equipment but do you need lower noise as well? KDE-T models come with an enclosure to keep the noise down. A convenient electric starter gets the KDE series generators up and running quickly.


## Features and Benefits

A commercial-grade KIPOR automatic home generator keeps that rhythm going by providing dependable protection during unexpected power outages. Available with 8.5 to 100kW output capabilities, KIPOR home generators provide worry-free emergency power to support your electrical needs for days, or even weeks. Clean, quiet, automatic backup power - just what your family needs to be safe and comfortable.

- Better performance
- Automatic switching over
- Ultra-silent running
- Integrated control system
- Safer power for sensitive equipments

**Delivering the Power You Need**
Powerful, flexible, transportable, reliable, durable; KIPOR Generators have it covered on every level.

**Unique and Compact Compact**
Robust and flexible structures ensure long service life span and quiet operation. Thicker paint treatments ensure operations in extreme environmental conditions Watertight, sound proof canopies have a better effect on heat resistant and sound insulation, providing superb noise level retention.

**Cleaner & Safer**
Watertight bodywork ensures protection so KIPOR generators all meet or exceed relevant standards for noise and emissions legislation.

**Low Noise Running**
KIPOR applies a unique double air inlet and outlet design. It is equipped with a built-in large sound attenuating muffler and additional sound insulation liners to limit noise.

**Digital Control Panel-Easy to Use**
Control panel is simple to operate. A digital control panel (without limitation on model or number) is standard on silent generators, which allows the generator to be easily specified to suit the application.

**Easily Transportable**
Compact design make it easy to fit into any conditions while working and reduce transportation costs. Equipped with integral central lift point.





| MODEL | KDE11SS | KDE16SS | KDE20SS3 | KDE25SS | KDE60SS3 | KDE75SS3 |
|---|---|---|---|---|---|---|
| Type | Silent Diesel | Silent Diesel | Silent Diesel | Silent Diesel | Silent Diesel | Silent Diesel |
| Voltage V | 115/230 | 115/230 | 230/400 | 115/230 | 230/400 | 230/400 |
| Current A | 37/73.9 | 56.5/113 | 24.5/73.5 | 80/160 | 72.2/216 | 89.5/268 |
| Frequency Hz | 50 | 50 | 50 | 50 | 50 | 50 |
| Rated Output KVA | 8.5 | 13 | 17 | 18.5 | 50 | 62 |
| Max Output Kva | 9.5 | 14 | 18.5 | 20 | 54 | 66 |
| Phase | 1 | 1 | 3 | 1 | 3 | 3 |
| Alternator | Brushless/AVR | Brushless/AVR | Brushless/AVR | Brushless/AVR | Brushless/AVR | Brushless/AVR |
| Display | Digital | Digital | Digital | Digital | Digital | Digital |
| Auto Start Option | Yes | yes | yes | yes | yes | yes |
| Noise dBa @ 7M | 51 | 51 | 51 | 51 | 53 | 53 |
| Dimensions mm | 1570 x 780 x 1050 | 1570 x 780 x 1050 | 1570 x 780 x 1050 | 1900 x 950 x 1200 | 2250 x 950 x 1300 | 2700 x 1140 x 1500 |
| Weight Kg | 685 | 720 | 720 | 960 | 1310 | 1650 |
| Engine Type | water Cooled OHC | water Cooled OHC | water Cooled OHC | water Cooled OHC | water Cooled OHC | water Cooled OHC |
| Cylinders | 3 | 4 | 4 | 4 | 4 | 6 |
| RPM | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| Fuel | Diesel | Diesel | Diesel | Diesel | Diesel | Diesel |
| Starting | Electric Only | Electric Only | Electric Only | Electric Only | Electric Only | Electric Only |

# PRO-X Generators

## Ultra Silent GENERATORS

Robustness, safety, Ergonomy, Maintenance, Handling...
Discover all the innovations of the new line Pro-X genset for durable performance!

**Safer Output**
**Battery Switch**
**Door of access radiator**
**Improved Radiator**
**Excellent Cooling Duct**
**Rain Proof Cap of Exhaust Pip**
**Water Filler Cover of Radiator**


### Safer Output

**New output panel and socket board adopt separate design.** Safety is greatly improved, meanwhile rain proof is strengthened.

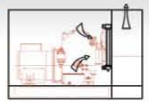

### Water Filler Cover of Radiator

**Water filler cap of radiator adopts rotating plastic cover,** easy for dismantling.

### Rain Proof Cap of Exhaust Pipe

**There was no exhaust pipe and rain proof** function for the previous genset. The new genset adopts rain proof cap pf exhaust pipe with better rain proof performance.

### Excellent Cooling Duct



**The genset adopts top straight** ventilation with good ventilation performance, greatly reducing water temperature. The inside temperature can reduce 8 C.

### Improved Radiator

**The new radiator adopts heat transfer design of 50℃.** It is light and compact with large reserving heat dissipation power. The heat dissipation performance is good, especially adapted to harsh environment, easy and convenient for installation and maintenance.

### Door of access radiator

**Facilitate the cleaning and the interview of the radiator.**

### Battery Switch

**The battery switch design effectively avoid leakage problem of battery,** prolonging service life of it. It is safer to use and improves starting performance of the genset.

## Environmental friendly package purpose built to go anywhere

KIPOR's new line of Pro-X generators ranging from 11 to 200kVA. The generators are purpose designed to be durable, compact and easy to use. The Pro-X series is a result of KIPOR's innovation to deliver what our customers are demanding.

They incorporate many of the features: strong power, safe to operate, ergonomically designed, easy to service and maintain. And built to withstand the rough on-site handling and are suitable for use in demanding environments, even under the severest conditions.


## Features and benefits

### Good Cooling System

**There is direct ventilation duct on the top of the genset with better ventilation performance.** Meanwhile the radiator adopts 50℃ heat exchange design, with large cooling power and good heat dissipation performance. The inside temperature can reduce about 8℃, so it can run stably even under extreme high temperature conditions.

### Safer Output

**Adopt split design of input panel and socket panel to greatly improve safety.** Battery switch design effectively avoids battery leakage problem, prolonging service time, safer to use.

### Warning Function

**Oil-water separator warning function is added in this series.** When the water content and impurity of the oil are too high, this separator can filter water content and impurity automatically. When filtering to a certain content, the light on the panel will turn on to warn the customer to drainage water content and impurity.

### User-friendly Design

**The radiator filter cover adopts rotary plastic cover, easy to dismantle.**
The new genset has a rain proof cap on the exhaust pipe with better rain proof performance and the whole genset reaches IP54.
The integral bottom fuel tank, greatly improve the shortages such as fuel leakage and waste fuel reservation.

### Ultra Silent Running

**Adopt integral silent design with unique noise reduction technology.**
The new door lock has pressing function, making the sealing strip fit the genset better. Several kinds of factors effectively reduce the noise.

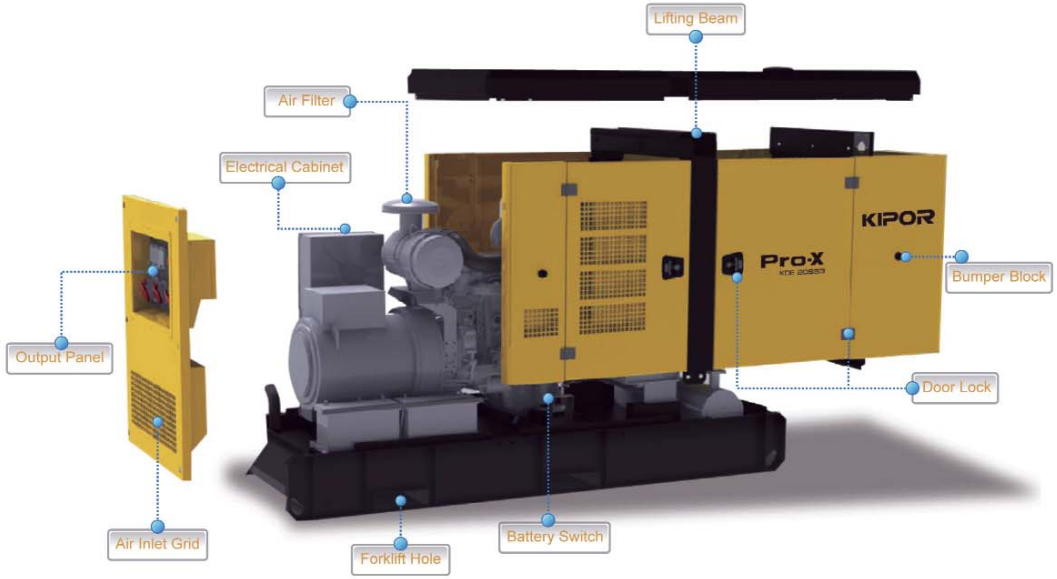
## Features and benefits

### Convenient for maintenance

**There are maintenance and check accesses outside the sound enclosure.**
Open one door for checking and maintenance, more convenient and simpler.

### Large Capacity Fuel Tank

**The large capacity fuel tank at the bottom of the genset extends the running hours to 14 hours.** Compared with the previous genset, it can run another 4 hours, which ensures long time running.





### KP310 Controller

is equipped with digital microprocessor, monitoring, controlling and protecting the genset. Adopt module design, host computer monitoring and remote controlling function can be integrated in an independent control system.

# Ultra Silent GENERATORS

| MODEL | | KDE14S | KDE18S | KDE22S | KDE33S | KDE37S |
|---|---|---|---|---|---|---|
| Rated frequency | Hz | 50 • 60 | 50 • 60 | 50 • 60 | 50 • 60 | 50 • 60 |
| Prime power | kVA / KW | 11/11 • 13/13 | 14.2/14.2 • 17/17 | 17/17 • 21.5/21.5 | 25/25 • 30/30 | 30/30 • 36.5/36.5 |
| Standby power | kVA / KW | 12.1/12.1 • 14.3/14.3 | 15.6/15.6 • 18.7/18.7 | 18.7/18.7 • 23.7/23.7 | 27.5/27.5 • 33/33 | 33/33 • 40.2/40.2 |
| Rated voltage | V | 115/230 • 120/240 | 115/230 • 120/240 | 115/230 • 120/240 | 115/230 • 120/240 | 115/230 • 120/240 |
| Rated current | A | 95.6/47.8 • 108.3/54.2 | 123.5/61.7 • 141.7/70.8 | 148/74 • 179/89.6 | 217/108.7 • 250/125 | 261/130.4 • 304/152 |
| Rated rotation speed | r/min | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 |
| Generator type | | KF14 | KF20 | KF25 | KF35 | KF50 |
| Pole No. | | 4 | 4 | 4 | 4 | 4 |
| Excitation mode | | Brushless, self-excitation and constant voltage ( with AVR ) | | | | |
| Power factor | COSO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Insulation grade | | H | H | H | H | H |
| Engine type | | 3 Cylinder | 4 Cylinder, In-Line, 4 Stoke, Direct-Injected, Water-Cooled | | | |
| Bore x Stroke | mm | 88 x 90 | 88 x 90 | 88 x 90 | 98 x 111 | 98 x 111 |
| Displacement | L | 1.642 | 2.19 | 2.19 | 3.349 | 3.349 |
| Compression ratio | | 17.6 : 1 | 17.6 : 1 | 17.6 : 1 | 18.5 : 1 | 18.5 : 1 |
| Rated power | KW | 13.5 • 16.3 | 18 • 21.6 | 21.6 • 27 | 30.5 • 36.5 | 36.6 • 43.8 |
| Water-cooled water capacity | L | 5 | 6 | 6 | 11 | 11 |
| Lubrication system | | Pressure splashed | Pressure splashed | Pressure splashed | Pressure splashed | Pressure splashed |
| Lube oil brand | | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 |
| Lube capacity | L | 6.9 | 8.5 | 8.5 | 11 | 11 |
| Starter system | | 12V Electric System | 12V Electric System | 12V Electric System | 12V Electric System | 12V Electric System |
| Starting motor capacity | V-KW | 12V - 1.4KW | 12V - 1.4KW | 12V - 1.4KW | 12V - 2.8KW | 12V - 2.8KW |
| Charging generator capacity | V-A | 14V - 20A | 14V - 20A | 14V - 20A | 12V - 50A | 12V - 50A |
| Battery capacity | V-Ah | 12V - 65Ah | 12V - 65Ah | 12V - 65Ah | 24V - 120Ah | 24V - 120Ah |
| Engine fuel consumption rate | g/KW.h | 225 • 231 | 225 • 231 | 225 • 231 | 215 • 220 | 230 • 230 |
| Fuel type | | Engine fuel consumption: 0＃ (summer) -10＃ (winter) -35＃ (cold) | | | | |
| Panel type | | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel |
| Noise level (1m) | dB(A) | 70 • 72 | 70 • 72 | 70 • 72 | 72 • 74 | 72 • 74 |
| Fuel tank capacity | L | 70 | 70 | 70 | 95 | 95 |
| Overall dimension | mm | 1780 x 840 x 1160 | 1780 x 840 x 1160 | 1780 x 840 x 1160 | 2100 x 980 x 1200 | 2100 x 980 x 1200 |
| Net weight | kg | 722 | 795 | 815 | 1100 | 1136 |

| MODEL | | KDE17S3 | KDE23S3 | KDE28S3 | KDE38S3 |
|---|---|---|---|---|---|
| Rated frequency | Hz | 50 • 60 | 50 • 60 | 50 • 60 | 50 • 60 |
| Prime power | kVA / KW | 13.8/11 • 16.3/13 | 17.8/14.2 • 21.3/1 | 21.3/17 • 27/21.6 | 31.3/25 • 37.5/30 |
| Standby power | kVA / KW | 15.1/12.1 • 17.9/14.3 | 19.5/15.66 • 23.4/18.7 | 23.4/18.7 • 29.8/23.8 | 34.4/27.5 • 41.3/33 |
| Rated voltage | V | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 |
| Rated current | A | 19.8 • 22.6 | 25.6 • 29.5 | 30.7 • 37.5 | 45.1 • 52 |
| Rated rotation speed | r/min | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 |
| Generator type | | KFS18 | KFS25 | KFS30 | KFS45 |
| Pole No. | | 4 | 4 | 4 | 4 |
| Excitation mode | | Brushless, self-excitation and constant voltage ( with AVR ) | | | |
| Power factor | COSO | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) |
| Insulation grade | | H | H | H | H |
| Engine type | | 3 Cylinder | 4 Cylinder, In-Line, 4 Stoke, Direct-Injected, Water-Cooled | | |
| Bore x Stroke | mm | 88 x 90 | 88 x 90 | 88 x 90 | 98 x 111 |
| Displacement | L | 1.642 | 2.19 | 2.19 | 3.349 |
| Compression ratio | | 17.6 : 1 | 17.6 : 1 | 17.6 : 1 | 18.5 : 1 |
| Rated power | KW | 13.5 • 16.3 | 18 • 21.6 | 21.6 • 27 | 30.5 • 36.5 |
| Water-cooled water capacity | L | 5 | 6 | 6 | 11 |
| Lubrication system | | Pressure splashed | Pressure splashed | Pressure splashed | Pressure splashed |
| Lube oil brand | | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 |
| Lube capacity | L | 6.9 | 8.5 | 8.5 | 11 |
| Starter system | | 12V Electric System | 12V Electric System | 12V Electric System | 12V Electric System |
| Starting motor capacity | V-KW | 12V - 1.4KW | 12V - 1.4KW | 12V - 1.4KW | 12V - 1.4KW |
| Charging generator capacity | V-A | 14V - 20A | 14V - 20A | 14V - 20A | 14V - 20A |
| Battery capacity | V-Ah | 12V - 65Ah | 12V - 65Ah | 12V - 65Ah | 12V - 65Ah |
| Engine fuel consumption rate | g/KW.h | 225 • 231 | 225 • 231 | 225 • 231 | 215 • 220 |
| Fuel type | | Engine fuel consumption: 0＃ （summer） -10＃ （winter） -35＃ （cold） | | | |
| Panel type | | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel |
| Noise level (1m) | dB(A) | 70 • 72 | 70 • 72 | 70 • 72 | 72 • 74 |
| Fuel tank capacity | L | 70 | 70 | 70 | 95 |
| Overall dimension | mm | 1780 x 840 x 1160 | 1780 x 840 x 1160 | 1780 x 840 x 1160 | 2100 x 980 x 1200 |
| Net weight | kg | 726 | 805 | 837 | 1100 |

# Ultra Silent GENERATORS

| MODEL | | KDE46S3 | KDE65S3 | KDE73S3 | KDE85S3 | KDE105S3 |
|---|---|---|---|---|---|---|
| Rated frequency | Hz | 50 • 60 | 50 • 60 | 50 • 60 | 50 • 60 | 50 • 60 |
| Prime power | kVA / KW | 37.5/30 • 45.6/36.5 | 50/40 • 60/48 | 60/48 • 70/56 | 72.5/58 • 70/56 | 85/68 • 97.5/78 |
| Standby power | kVA / KW | 41.3/33 • 50.3/40.2 | 55/44 • 66/52.8 | 66/52.8 • 77/61.6 | 79.8/63.8 • 77/61.6 | 93.5/74.8 • 107.3/85.8 |
| Rated voltage | V | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 |
| Rated current | A | 54.1 • 63.3 | 72.2 • 83.3 | 86.6 • 97.2 | 104.6 • 114.5 | 122.7 • 135.3 |
| Rated rotation speed | r/min | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 |
| Generator type | | KFS45 | KFS50 | KFS70 | KFS80 | KFS80 |
| Pole No. | | 4 | 4 | 4 | 4 | 4 |
| Excitation mode | | Brushless, self-excitation and constant voltage ( with AVR ) | | | | |
| Power factor | COSO | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) |
| Insulation grade | | H | H | H | H | H |
| Engine type | | 4 Cylinder, In-Line, 4 Stoke, Direct-Injected, Water-Cooled | | | | |
| Bore x Stroke | mm | 98 x 111 | 114 x 125 | 114 x 125 | 114 x 125 | 114 x 125 |
| Displacement | L | 3.349 | 5.1 | 5.1 | 5.1 | 5.1 |
| Compression ratio | | 18.5 : 1 | 17.3 : 1 | 17.3 : 1 | 17.3 : 1 | 17.3 : 1 |
| Rated power | KW | 36.6 • 43.3 | 56 • 66 | 56 • 66 | 79 • 92 | 79 • 92 |
| Water-cooled water capacity | L | 11 | 9.2 ( without radiator ) | 9.2 ( without radiator ) | 9.2 ( without radiator ) | 9.2 ( without radiator ) |
| Lubrication system | | Pressure splashed | Pressure splashed | Pressure splashed | Pressure splashed | Pressure splashed |
| Lube oil brand | | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 |
| Lube capacity | L | 11 | 20 | 20 | 20 | 20 |
| Starter system | | 12V Electric System | 24V Electric System | 24V Electric System | 24V Electric System | 24V Electric System |
| Starting motor capacity | V-KW | 12V - 2.8KW | 24V - 5KW | 24V - 5KW | 24V - 5KW | 24V - 5KW |
| Charging generator capacity | V-A | 12V - 50A | 24V - 50A | 24V - 50A | 24V - 50A | 24V - 50A |
| Battery capacity | V-Ah | 24V - 120Ah | 12V - 120Ah | 12V - 120Ah | 12V - 120Ah | 12V - 120Ah |
| Engine fuel consumption rate | g/KW.h | 230 • 230 | 220 • 225 | 220 • 225 | 220 • 225 | 220 • 225 |
| Fuel type | | Engine fuel consumption: 0＃ (summer) -10＃ (winter) -35＃ (cold) | | | | |
| Panel type | | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel | KP310 Smart Panel |
| Noise level (1m) | dB(A) | 72 • 74 | 73 • 75 | 73 • 75 | 73 • 75 | 74 • 76 |
| Fuel tank capacity | L | 95 | 200 | 200 | 200 | 200 |
| Overall dimension | mm | 2100 x 980 x 1200 | 2900 x 1150 x 1600 | 2900 x 1150 x 1600 | 2900 x 1150 x 1600 | 2900 x 1150 x 1600 |
| Net weight | kg | 1136 | 1940 | 1970 | 2010 | 2040 |

| MODEL | | KDE118S3 | KDE145S | KDE175S |
|---|---|---|---|---|
| Rated frequency | Hz | 50 • 60 | 50 • 60 | 50 • 60 |
| Prime power | kVA / KW | 100/80 • 117.5/94 | 125/100 • 145/116 | 150/120 • 175/140 |
| Standby power | kVA / KW | 110/88 • 129.3/103.4 | 138/110 • 160/128 | 165/132 • 193/154 |
| Rated voltage | V | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 |
| Rated current | A | 144.3 • 163.1 | 180.4 • 201.2 | 216.5 • 242.9 |
| Rated rotation speed | r/min | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 |
| Generator type | | KFS113 | KFS125 | KFS150 |
| Pole No. | | 4 | 4 | 4 |
| Excitation mode | | Brushless, self-excitation and constant voltage ( with AVR ) | | |
| Power factor | COSO | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) |
| Insulation grade | | H | H | H |
| Engine type | | 4 Cylinder, In-Line, 4 Stoke, Direct-Injected, Water-Cooled | | |
| Bore x Stroke | mm | 114 x 125 | 114 x 125 | 114 x 125 |
| Displacement | L | 5.1 | 7.65 | 7.65 |
| Compression ratio | | 17.3 : 1 | 17.3 : 1 | 17.3 : 1 |
| Rated power | KW | 95 • 110 | 119 • 137.5 | 143 • 165 |
| Water-cooled water capacity | L | 9.2 ( without radiator ) | 14.5 ( without radiator ) | 14.5 ( without radiator ) |
| Lubrication system | | Pressure splashed | Pressure splashed | Pressure splashed |
| Lube oil brand | | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 | SAE 10W-30 / 15W-40 |
| Lube capacity | L | 20 | 33 | 33 |
| Starter system | | 24V Electric System | 24V Electric System | 24V Electric System |
| Starting motor capacity | V-KW | 24V - 5KW | 24V - 5KW | 24V - 5KW |
| Charging generator capacity | V-A | 24V - 50A | 24V - 50A | 24V - 50A |
| Battery capacity | V-Ah | 12V - 120Ah | 12V - 120Ah | 12V - 120Ah |
| Engine fuel consumption rate | g/KW.h | 220 • 225 | 220 • 225 | 220 • 225 |
| Fuel type | | Engine fuel consumption: 0＃ （summer） -10＃ （winter） -35＃ （cold） | | |
| Panel type | | KP310 Smart Panel | KP310 Smart Panel | DSE7320 Panel |
| Noise level (1m) | dB(A) | 75 • 78 | 75 • 78 | 76 • 78 |
| Fuel tank capacity | L | 200 | 280 | 280 |
| Overall dimension | mm | 2900 x 1150 x 1600 | 2900 x 1150 x 1600 | 3300 x 1150 x 1750 |
| Net weight | kg | 2090 | 2430 | 2481 |

# Containerised Power Sytems

## SILENT POWER

**The new super-silent generators are KIPOR Containerised electric power sets**


## Features and Benefits

**Better Cooling Ability**
Due to its advanced cooling system, the containerised generator set ensures 100% power at 40 C at an altitude of 1000 meters. This makes the generators ideally suited for use in extreme temperatures and high altitudes, towering the risk of shutdowns.

**Low Operating Noise**
The container's inner side air inlet and outlet are covered by sound insulting material and applies an exhaust silencer and rippled flex tube. This ensures an ultra-silent operation and the optimum choice for noise sensitive areas.

**Superior Standard Configuration**
The standard protection systems and accessories ensure the containerized generator set can run in extreme and difficult conditions.

**Superior Service Accessibility**
The radiator, engine and alternator is installed on a steel inner bottom platform Dual side access doors with a flexible rubber strip edge seal and supplied service tools make for effortless maintenance and service The stainless steel hinges offer increasecf longevity

**Engine Features**
The engine design is 4 stroke, water cooled, 4 valve per cylinder with air to air intercooling.

- Single stage turbocharging
- High pressure common rail fuel system
- ESC in-line fuel pump (optional)
- Standardized design
- SAE standard port

**KIPOR Brushless,Synchronous Alternator**
Four pole rotating magnetic field, self-ventilating radiation system formed by the rotor blade 2/3 pitch winding This effectively eliminates sub or ultra- harmonic distortion and increases paralleling capabilities.

- Excellent short circuit resistance
- High quality electromagnetic winding coil
- Integrated design combining the AC Output main winding and excitation system.
- Maximized efficiency of the electromagnetic induction power generation.

**Control System**
The controller is a state of the art smart generator control system developed by KIPOR.
It features an LCD screen, auto start / stop, data measurement / logging, alarm protection and remote control operation. Additionally, it supports functions such as multi-level backup and multi-unit paralleling.

# SILENT POWER

The new super-silent generators are KIPOR Containerised electric power sets

# Containerised Power Sytems

| MODEL | | KDE800B2 | KDE1200B2 | KDE1800B2 | KDE2350B4 |
|---|---|---|---|---|---|
| Rated frequency | Hz | 50 • 60 | 50 • 60 | 50 • 60 | 50 • 60 |
| Prime power | kVA / KW | 687.5/550 • 800/640 | 1031/825 • 1200/960 | 1500/1200 • 1800/1440 | 2025/1620 • 2350/1880 |
| Standby power | kVA / KW | 750/600 • 875/700 | 1135/908 • 1310/1048 | 1650/1320 • 1960/1568 | 2225/1780 • 2585/2068 |
| Rated voltage | V | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 | 400/230 • 416/240 |
| Rated current | A | 992 • 1100 | 1488 • 1665 | 2165 • 2498 | 2923 • 3262 |
| Rated rotation speed | r/min | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 | 1500 • 1800 |
| Generator type | | KFS750 | KFS1130 | KFS1500 | KFS2150 |
| Pole No. | | 4 | 4 | 4 | 4 |
| Excitation mode | | Brushless, self-excitation and constant voltage ( with AVR ) | | | |
| Power factor | COSO | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) | 0.8 ( lag ) |
| Insulation grade | | H | H | H | H |
| Engine type | | 12 Cylinder* | 8 Cylinder* | 12 Cylinder* | 16 Cylinder* |
| Bore x Stroke | mm | 131 x 152 | 171 x 210 | 171 x 210 | 171 x 210 |
| Displacement | L | 24.6 | 38.58 | 57.87 | 77.16 |
| Compression ratio | | 16 : 1 | 15.5 : 1 | 15.5 : 1 | 15.5 : 1 |
| Rated power | KW | 625 • 735 | 918 • 1050 | 1360 • 1570 | 1800 • 2088 |
| Water-cooled water capacity | L | | 85 | 145 | 180 |
| Lubrication system | | Pressure splashed | Pressure splashed | Pressure splashed | Pressure splashed |
| Lube oil brand | | SAE 15W - 40 | SAE 15W - 40 | SAE 15W - 40 | SAE 15W - 40 |
| Lube capacity | L | min 41 / max 59 | min 100 / max 135 | min 170 / max 210 | min 192.4170 / max 269.4 |
| Starter system | | 24V Electric System | 24V Electric System | 24V Electric System | 24V Electric System |
| Starting motor capacity | V-KW | 24V - 12KW | 24V - 11KW | 24V - 11x2 | 24V - 11x2 |
| Charging generator capacity | V-A | 28V - 95A | 28V - 95A | 28V - 95A | 28V - 95A |
| Battery capacity | V-Ah | 12V - 200x4 | 12V - 200x2 | 12V - 150x4 | 12V - 150x4 |
| Engine fuel consumption rate | g/KW.h | 195 • 205 | 200 • 210 | 200 • 210 | 200 • 210 |
| Fuel type | | Engine fuel consumption: 0＃ （summer） -10＃ （winter） -35＃ （cold） | | | |
| Panel type | | KP610 Smart Panel | KP610 Smart Panel | KP610 Smart Panel | KP610 Smart Panel |
| Output - Receptacle | dB(A) | Without | Without | Without | Without |
| Output - Connection Pole | L | Without | Without | Without | Without |
| Container Size | | 20′ ISO Standard | 20′ ISO Standard | 20′ ISO Standard | 20′ ISO Standard |
| | | *4-Stroke, V-Type, Water Cooled, Turbochared, Air-air Intercooled | | | |

KIPOR

DEALER / DISTRIBUTOR

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