

# SUPERKIGER

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**SUPERKIGER**

 **京格电机有限公司**  
KINGER ELECTRICAL MACHINERY CO., LTD.

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**NINGDE KINGER ELECTRICAL MACHINERY CO., LTD.**

Gasoline / Diesel / Inverter / Welding Generator    Generator Parts  
Engine    Water Pump    Washer    Power Tiller    Power Station



About us

Kinger was established in 2006 and is located in the motor city of Fuan, Fujian, China. It's engaged in researching, developing, manufacturing, and selling various kinds of gasoline generators, LPG/NG generator, gasoline engines, gasoline water pump, diesel generators, diesel water pumps, etc.

Kinger has 7 production lines and produces 0.1 million sets of generators annually. We have obtained ISO9001: 2008, CE, and SONCAP certifications. Our company has over 10 series and 100 specifications of gasoline/diesel machines and 95% of our products are exported to international markets, such as the Middle East, Africa, Southeast Asia, South America, Europe, etc.

In order to achieve our farsighted and strategic goal and provide the best service for our customers, we follow the "honesty, loyalty, cooperation and persistence" marketing concept. "Take Kiger, Take the World" is our concept.

## Certificate



## Catalogue

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## FEATURE

- Large fuel tank for hours of continuous operation.
- High quality power output.
- Qualified mechanical seal device.
- Compaction structure and convenient for carry.
- Easy starting by both recoil starting and electric starting.
- Special balancer shaft inside reduces the vibration to the minimum level.

## / KG200



For Generator Series

## KG160 / KG200

For Generator Series / Pump Series

|                     |                                           |
|---------------------|-------------------------------------------|
| Engine type         | Air-cooled 4-stroke OHV single cylinder   |
| Bore X Stroke       | 68X45mm / 68X54mm                         |
| Displacement        | 163cc / 196cc                             |
| Compression ratio   | 8.5:1                                     |
| Max. Power output   | 5.5HP / 6.5HP-3600rpm                     |
| Max. Torque         | 10.8N.m / 11N.m-2500rpm                   |
| Ignition system     | Non-contact transistorized ignition(TCI)  |
| Start mode          | Recoil / Electric                         |
| Air cleaner         | Half-dry,Oil-Immersed,Foam Filter,Element |
| Fuel tank capacity  | 3.6L                                      |
| Fuel consumption    | <395g/kw-h                                |
| Engine oil capacity | 0.6L                                      |
| Dimension(LxWxH)    | 370 X 310 X 340mm                         |
| Gross Weight        | 12.8kg                                    |

## KG210 / KG220 / KG236

Marine Series / Power Tiller Series / Pump Series

|                     |                                           |
|---------------------|-------------------------------------------|
| Engine type         | Air-cooled 4-stroke OHV single cylinder   |
| Bore X Stroke       | 70X55mm / 70X56mm / 72X58mm               |
| Displacement        | 212cc / 216cc / 236cc                     |
| Compression ratio   | 8.5:1                                     |
| Max. Power output   | 7.0HP / 7.5HP / 8.0HP-3600rpm             |
| Max. Torque         | 12N.m / 13N.m / 14N.m-2500rpm             |
| Ignition system     | Non-contact transistorized ignition(TCI)  |
| Start mode          | Recoil / Electric                         |
| Air cleaner         | Half-dry,Oil-Immersed,Foam Filter,Element |
| Fuel tank capacity  | 3.6L                                      |
| Fuel consumption    | <395g/kw-h                                |
| Engine oil capacity | 0.6L                                      |
| Dimension(LxWxH)    | 370 X 310 X 340mm                         |
| Gross Weight        | 13kg / 13.5kg / 14.8kg                    |

## FEATURE

- An efficient air cleaner system
- Compact in structure
- Recoil or electric start, with oil bath air filter
- Overhead valve (OHV) design.
- Cast iron casing does not only effectively improve lubrication.
- Automatic alarm and stop at a low oil level.

## / KG390



## KG270 / KG390

Marine Series / Power Tiller Series / Pump Series

|                     |                                           |
|---------------------|-------------------------------------------|
| Engine type         | Air-cooled 4-stroke OHV single cylinder   |
| Bore X Stroke       | 77X58mm / 88X64mm                         |
| Displacement        | 270cc / 389cc                             |
| Compression ratio   | 8.0:1                                     |
| Max. Power output   | 9HP / 13HP-3600rpm                        |
| Max. Torque         | 16.8N.m / 23N.m-2500rpm                   |
| Ignition system     | Non-contact transistorized ignition(TCI)  |
| Start mode          | Recoil / Electric                         |
| Air cleaner         | Half-dry,Oil-Immersed,Foam Filter,Element |
| Fuel tank capacity  | 6.5L                                      |
| Fuel consumption    | <374g/kw-h                                |
| Engine oil capacity | 1.1L                                      |
| Dimension(LxWxH)    | 480 X 410 X 440mm                         |
| Gross Weight        | 28kg / 28.5kg                             |

## KG420 / KG460 / KG500

|                     |                                           |
|---------------------|-------------------------------------------|
| Engine type         | Air-cooled 4-stroke OHV single cylinder   |
| Bore X Stroke       | 90X66mm / 92X69mm / 94X72mm               |
| Displacement        | 418cc / 460cc / 500cc                     |
| Compression ratio   | 8.0:1                                     |
| Max. Power output   | 15HP / 17HP / 19HP-3600rpm                |
| Max. Torque         | 26N.m / 29N.m / 31N.m-2500rpm             |
| Ignition system     | Non-contact transistorized ignition(TCI)  |
| Start mode          | Recoil / Electric                         |
| Air cleaner         | Half-dry,Oil-Immersed,Foam Filter,Element |
| Fuel tank capacity  | 6.5L                                      |
| Fuel consumption    | <374g/kw-h                                |
| Engine oil capacity | 1.1L                                      |
| Dimension(LxWxH)    | 480 X 410 X 440mm                         |
| Gross Weight        | 29kg / 30kg / 35kg                        |



## / KG950 General V Series



## / KG1500 EC series



## KG650 / KG950 General Series / General V Series / Luxury Style

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz / 60Hz                                 |
| Voltage            | 110V/220V/230V                              |
| Max. Power         | 0.5kW / 0.75kW                              |
| Rated Power        | 0.45kW / 0.65kW                             |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | IE45F                                       |
| Max. Output        | 2.0HP/3600rpm                               |
| Displacement       | 63cc                                        |
| Noise Level(at 7m) | 65dB                                        |
| Starting System    | Recoil                                      |
| Type               | Force air-cooled, 4-stroke, OHV             |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 3.6L                                        |
| Dimension(LxWxH)   | 380 X 315 X 330mm                           |
| Gross Weight       | 16kg                                        |

## KG1500 EC series / Fish series

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz / 60Hz                                 |
| Voltage            | 110V/220V/230V                              |
| Max. Power         | 1.2kW                                       |
| Rated Power        | 1.0kW                                       |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | KG156F                                      |
| Max. Output        | 3.5HP/3600rpm                               |
| Displacement       | 87cc                                        |
| Noise Level(at 7m) | 67dB                                        |
| Starting System    | Recoil                                      |
| Type               | Force air-cooled, 4-stroke, OHV             |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 5.5L                                        |
| Oil Capacity       | 0.4L                                        |
| Dimension(LxWxH)   | 480 X 380 X 380mm                           |
| Gross Weight       | 25kg                                        |

## / KG2500 Fish series



## KG2500 / KG3500 Fish series / EC series / YM series / SH series / Grape series

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz/60Hz                                   |
| Voltage            | 110V/220V/230V/380V / 400V                  |
| Max. Power         | 2.3kW / 2.8kW                               |
| Rated Power        | 2.0kW / 2.5kW                               |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | KG168F                                      |
| Max. Output        | 6.5HP/3600rpm                               |
| Displacement       | 196cc                                       |
| Noise Level(at 7m) | 67dB                                        |
| Starting System    | Recoil / Electric                           |
| Type               | Force air-cooled, 4-stroke, OHV             |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 12L                                         |
| Oil Capacity       | 0.65L                                       |
| Dimension(LxWxH)   | 600 X 440 X 440mm                           |
| Gross Weight       | 35kg / 37kg                                 |

## KG3800 / KG4800 Fish series / EC series / SH series / Grape series

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz/60Hz                                   |
| Voltage            | 110V/220V/230V/380V / 400V                  |
| Max. Power         | 3.3kW / 3.8kW                               |
| Rated Power        | 3.0kW / 3.5kW                               |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | KG170FA / KG172FB                           |
| Max. Output        | 7.0HP/3600rpm / 8.0HP/3600rpm               |
| Displacement       | 216cc / 236cc                               |
| Noise Level(at 7m) | 67dB                                        |
| Starting System    | Recoil / Electric                           |
| Type               | Force air-cooled, 4-stroke, OHV             |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 12L                                         |
| Oil Capacity       | 0.65L                                       |
| Dimension(LxWxH)   | 600 X 440 X 440mm                           |
| Gross Weight       | 39kg / 42kg                                 |



/ **KG950** Luxury Style



/ **KG950** Luxury Style With Frame



/ **KG950** General Series



/ **KG1500** Fish series



/ **KG2700** YM series



/ **KG2900DX** SH series



/ **KG3800EW** EC series



/ **KG6500** Grape series



/ **KG7500H** H series



/ **KG3500T** EC series



/ **KG8500E** Fish series



/ **KG9500EW** EC series



## / KG6500E

KG6500 / KG7500 / KG8500 Fish series / EC series / SH series / H series / Grape series

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz/60Hz                                   |
| Voltage            | 110V/220V/230V/380V/400V                    |
| Max. Power         | 5.5kW / 6.5kW / 7.5kW                       |
| Rated Power        | 5.0kW / 6.0kW / 7.0kW                       |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | KG190F / KG190F / KG192F                    |
| Max. Output        | 15HP / 15HP / 17HP-3600rpm                  |
| Displacement       | 418cc / 418cc / 460cc                       |
| Noise Level(at 7m) | 75dB                                        |
| Starting System    | Recoil / Electric                           |
| Type               | Force air-cooled,4-stroke,OHV               |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 25L                                         |
| Oil Capacity       | 1.1L                                        |
| Dimension(LxWxH)   | 690 X 530 X 560mm                           |
| Gross Weight       | 79kg / 82kg / 84kg                          |

KG9500E / KG10000E Fish series / EC series / SH series / H series / Grape series

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz/60Hz                                   |
| Voltage            | 110V/220V/230V/380V/400V                    |
| Max. Power         | 8.5kW / 9.5kW                               |
| Rated Power        | 8.0kW / 9.0kW                               |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | K500 / K550                                 |
| Max. Output        | 19HP / 21HP-3600rpm                         |
| Displacement       | 500cc / 550cc                               |
| Noise Level(at 7m) | 78dB                                        |
| Starting System    | Recoil & Electric                           |
| Type               | Force air-cooled,4-stroke,OHV               |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 25L                                         |
| Oil Capacity       | 1.1L                                        |
| Dimension(LxWxH)   | 690 X 550 X 580mm / 720 x 580 x 580mm       |
| Gross Weight       | 89kg / 102kg                                |

## / KG12000E

KG12000E / KG15000E Powered by LONCIN / DACAR / LIFAN

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 10kW / 13kW                                   |
| Rated Power        | 9.5kW / 12kW                                  |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1                                             |
| Model              | 2V78 / 2V80                                   |
| Max. Output        | 21HP / 25HP-3600rpm                           |
| Displacement       | 670cc / 764cc                                 |
| Noise Level(at 7m) | 80dB                                          |
| Starting System    | Electric                                      |
| Type               | Double-cylinder,Force air-cooled,4-stroke,OHV |
| Ignition System    | Non-contact transistorized ignition(T.C.I.)   |
| Fuel Tank          | 30L                                           |
| Oil Capacity       | 1.8L                                          |
| Dimension(LxWxH)   | 980 X 600 X 730mm                             |
| Gross Weight       | 162kg / 168kg                                 |

KG18000E / KG22000E Powered by LONCIN / RATO

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 17kW / 19kW                                   |
| Rated Power        | 15kW / 17kW                                   |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1                                             |
| Model              | 2V90                                          |
| Max. Output        | 32HP/3600rpm                                  |
| Displacement       | 999cc                                         |
| Noise Level(at 7m) | 84dB                                          |
| Starting System    | Electric                                      |
| Type               | Double-cylinder,Force air-cooled,4 stroke,OHV |
| Ignition System    | Non-contact transistorized ignition(T.C.I.)   |
| Fuel Tank          | 30L                                           |
| Oil Capacity       | 2L                                            |
| Dimension(LxWxH)   | 1050 X 690 X 780mm                            |
| Gross Weight       | 205kg                                         |



## / KG7500S



## KG6500S / KG7500S / KG8500S / KG9500S

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz/60Hz                                   |
| Voltage            | 110V/220V/230V/380V/400V                    |
| Max. Power         | 5.5kW / 6.5kW / 7.5kW / 8.5kW               |
| Rated Power        | 5.0kW / 6.0kW / 7.0kW / 8.0kW               |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | KG190F / 192F / 194F                        |
| Max. Output        | 15HP/17HP/18HP-3600rpm                      |
| Displacement       | 418cc/460cc/500cc                           |
| Noise Level(at 7m) | 62dB                                        |
| Starting System    | Recoil & Electric                           |
| Type               | Force air-cooled,4-stroke,OHV               |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 25L                                         |
| Oil Capacity       | 1.1L                                        |
| Dimension(LxWxH)   | 920 X 520 X 730mm                           |
| Gross Weight       | 102kg / 104kg/108kg/112kg                   |

## KG10500S / KG11500S

|                    |                                             |
|--------------------|---------------------------------------------|
| Frequency          | 50Hz/60Hz                                   |
| Voltage            | 110V/220V/230V/380V/400V                    |
| Max. Power         | 9.5kW / 10.5kW                              |
| Rated Power        | 9.0kW / 10.0kW                              |
| DC Output          | 12V/8.3A                                    |
| Power Factor cos   | 1                                           |
| Model              | K521/ K550                                  |
| Max. Output        | 20HP/3600rpm / 21HP/3600rpm                 |
| Displacement       | 521cc / 550cc                               |
| Noise Level(at 7m) | 63dB                                        |
| Starting System    | Recoil & Electric                           |
| Type               | Force air-cooled,4-stroke,OHV               |
| Ignition System    | Non-contact transistorized ignition(T.C.I.) |
| Fuel Tank          | 25L                                         |
| Oil Capacity       | 1.1L                                        |
| Dimension(LxWxH)   | 1020X550X780mm                              |
| Gross Weight       | 151kg / 168kg                               |

## / KG13000WS



## KG9500WS / KG13000WS

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| Phase                                         | 3/1(Equal power)                             |
| Rated output                                  | 8.5kVA / 10kVA                               |
| Max. output                                   | 8.0kVA / 11kVA                               |
| Power factor cos                              | 0.8                                          |
| Rated AC voltage                              | 230/400V                                     |
| Rated current                                 | 34.5&11.4A / 41.3&14.3                       |
| Frequency                                     | 50Hz                                         |
| Dc output                                     | 12 V/ 8.3A                                   |
| Engine type                                   | Single cylinder, 4-stroke water cooling      |
| Displacement                                  | 440cc / 480cc                                |
| RPM                                           | 3000/3600rpm                                 |
| Starting system                               | electrical start                             |
| Fuel tank capacity                            | 16L                                          |
| Fuel tank refill cosuming period @ 100% load  | 8h                                           |
| Water tank capacity                           | 26L                                          |
| water tank refill cosuming period @ 100% load | 9h                                           |
| Lubricating oil volume                        | 1.65L                                        |
| Noise level(at 7m)                            | 70-73dB                                      |
| AC overload protection                        | Fuseless Circuit Breaker (NFB)               |
| Dc protection                                 | No fuse overcurrent protector + fuse breaker |
| Low oil pressure protection                   | Mechanical sensor                            |
| Voltmeter                                     | Electronic display                           |
| Dimensions (L×W×H)                            | 1200X650X830mm                               |
| Net weight                                    | 205kg / 225kg                                |



## / KG-20P-X



## KG-20P-X

|                                     |                                             |
|-------------------------------------|---------------------------------------------|
| Standby power                       | 20kW                                        |
| Rated power                         | 18kW                                        |
| Frequency                           | 50Hz                                        |
| Voltage                             | 230/400V                                    |
| Rated/standby current               | 32.5/36A                                    |
| Power factor COS                    | 0.8                                         |
| Phase                               | Three Phase                                 |
| Speed governor                      | Digital Speed institutions                  |
| Steady-state rate regulation        | $\leq \pm 1\%$                              |
| Model                               | 465                                         |
| Ignition method                     | split ignition                              |
| Cooling method                      | water cooling                               |
| Number of cylinders                 | 4 cylinders                                 |
| Bore and stroke                     | 65×72mm                                     |
| Displacement                        | 955cc                                       |
| Rated speed                         | 3000rpm                                     |
| Minimum no-load speed               | 1000rpm                                     |
| Oil consumption rate                | $\leq 1500$                                 |
| Oil temperature                     | $\leq 121^{\circ}\text{C}$                  |
| Hydraulics pressure                 | 207-345kPa                                  |
| Steady-state speed fluctuation rate | $\leq 0.5\%$                                |
| Power up                            | DC, 12V                                     |
| Lubrication method                  | Pressure lubrication and splash lubrication |
| Oil type                            | ST/CF4 UP SG15W-40                          |
| Daily maintenance time              | every 100 hours                             |
| Model                               | SC-270-18.0A                                |
| Phase                               | Three Phase                                 |
| Connection method                   | Flange connection                           |
| Insulation grade                    | H grade                                     |
| Controller                          | Smart                                       |
| ATS                                 | Without                                     |
| Fuel                                | Gasoline                                    |
| Fuel consumption (100%load)         | Around 7L/h                                 |
| Dimensions                          | 1130X700X870 (With wheels)                  |
| weight                              | 300kg                                       |
| Noise reduction                     | Without                                     |
| Noise                               | $\leq 75\text{dB}$                          |
| Security Level                      | IP23                                        |
| After packing weight                | 360kg                                       |
| Package style                       | Plywood                                     |

## / KG-30P-X



## KG-25P-X / KG-30P-X

|                                     |                                             |
|-------------------------------------|---------------------------------------------|
| Standby power                       | 26kW / 31kW                                 |
| Rated power                         | 25kW / 28kW                                 |
| Frequency                           | 50Hz                                        |
| Voltage                             | 230/400V                                    |
| Rated&standby current               | 45&46.8A / 52&55.8A                         |
| Power factor COS                    | 0.8                                         |
| Phase                               | Three Phase                                 |
| Speed governor                      | Digital Speed institutions                  |
| Steady-state rate regulation        | $\leq \pm 1\%$                              |
| Model                               | 470 / 474                                   |
| Ignition method                     | EFI                                         |
| Cooling method                      | water cooling                               |
| Number of cylinders                 | 4 cylinders                                 |
| Bore and stroke                     | 74×72mm / 74×72mm                           |
| Displacement                        | 1108cc/ 1238cc                              |
| Rated speed                         | 3000rpm                                     |
| Minimum no-load speed               | 1000rpm                                     |
| Oil consumption rate                | $\leq 1500\text{g/kw}\cdot\text{h}$         |
| Oil temperature                     | $\leq 121^{\circ}\text{C}$                  |
| Hydraulics pressure                 | 207-345kPa                                  |
| Steady-state speed fluctuation rate | $\leq 0.5\%$                                |
| Power up                            | DC, 12V                                     |
| Lubrication method                  | Pressure lubrication and splash lubrication |
| Oil type                            | ST/CF4 UP SG15W-40                          |
| Daily maintenance time              | every 100 hours                             |
| Model                               | SC270-25A / WK30A                           |
| Phase                               | Three Phase                                 |
| Connection method                   | Flange connection                           |
| Insulation grade                    | H grade                                     |
| Controller                          | 410                                         |
| ATS                                 | Without                                     |
| Fuel                                | Gasoline                                    |
| Fuel consumption (100%load)         | Around 9 L/h / Around 11 L/h                |
| Dimensions                          | 1220X760X960 (With wheels)                  |
| weight                              | 390kg / 410kg                               |
| Noise reduction                     | Without                                     |
| Noise                               | $\leq 78\text{dB}$                          |
| Security Level                      | IP23                                        |
| After packing weight                | 450kg / 470kg                               |
| Package style                       | Plywood                                     |



## / KG3800is

KG2200is/KG2800is/KG3800is / KG4800is/KG5800is Silent type

|                                                |                                             |
|------------------------------------------------|---------------------------------------------|
| Max. power                                     | 2.2kW/2.8kW/3.3kW /3.8kW/4.2kW              |
| Rated power                                    | 2.0kW / 2.5kW/3.0kW /3.5kW/3.7kW            |
| Frequency                                      | 50HZ/60HZ                                   |
| Fuel tank capacity                             | 2.7L/5L/6.5L/6.5L/6.5L/6.5L                 |
| Operating hour                                 | 5h/5h/6h/6h/6h/5h                           |
| Rated AC voltage                               | 110V/220V/230V                              |
| DC Voltage                                     | 12V                                         |
| DC Current                                     | 8A/9.3A/8.3A/8.3A/8.3A                      |
| Working Temperature                            | "-20°C~40°C"                                |
| Noise (7m)                                     | 61dB/62dB/62dB/62dB/62dB                    |
| LPG Consumption                                | 0.746KG/KWH                                 |
| Model no.                                      | 152F/166F/166F/166F/170F                    |
| Type                                           | Force air-cooled, 1-cylinder, 4-stroke, OHV |
| Displacement                                   | 125cc / 157cc / 157cc / 157cc / 184cc       |
| Fuel supply system                             | Carburetor                                  |
| Recommen fuel                                  | Unleaded gasoline                           |
| Oil capacity                                   | 0.4L/0.5L/0.5L/0.5L/0.5L                    |
| Auto voltage adjustor                          | Yes                                         |
| Oil alert system                               | Yes                                         |
| DC Protector                                   | Yes                                         |
| Starting System                                | Recoil or Electric                          |
| LCD Panel                                      | Optional                                    |
| USB Socket                                     | Optional                                    |
| Cigarette Lighter                              | Optional                                    |
| Parallel Function                              | Optional                                    |
| Dual Fuel System:LNG/LPG-Gasoline              | Optional                                    |
| Smart Connect with APP                         | Optional                                    |
| Extra Lithium Battery Pack-Minor Energy Output | Optional                                    |
| Portable Light Tower                           | Optional                                    |
| Fuel Indicator                                 | Optional                                    |
| Net Weight                                     | 21kg/23kg / 23kg/23kg/25kg                  |
| Packing Size                                   | 51X33X50cm/54x34x52cm                       |

## / KG3800i

KG1000i/KG1800i/KG2200i / KG3800i//KG4800iKG5800i Open type

|                           |                                             |
|---------------------------|---------------------------------------------|
| Frequency                 | 50/60Hz                                     |
| Voltage(V)                | 110V/220V/230V                              |
| Max. Power(kva)           | 1.0kW / 1.3kW /2.3kW / 3.3kW/3.8kW/5.0kW    |
| Rated Power(kva)          | 0.9kW / 1.1kW / 2.0kW /3.0kW/3.5kW/4.7kW    |
| DC Output                 | 12V/8A                                      |
| Output waveform           | Pure sine wave                              |
| Alternator Wire           | Copper                                      |
| Efficiency                | ≥90%                                        |
| Voltage rate              | ±2%                                         |
| Total Harmonic Distortion | ≤5%                                         |
| Power Factor cos          | 1                                           |
| Model                     | IE47 / KG156 /KG168F / KG170FB/KG172FB      |
| BorexStroke               | 47x40/56x38/68x54/70x56/72x58mm             |
| Max. Output               | 2.0HP/3.5HP/6.5HP / 7.5HP/8.0HP/3600rpm     |
| Displacement              | 63cc/93cc/196cc/ 216cc/236cc                |
| Noise Level(at 7m)        | 67dB                                        |
| Starting System           | Recoil/Electric                             |
| Type                      | Force air-cooled,4-stroke,OHV               |
| Ignition System           | Non-contact transistorized ignition(T.C.I.) |
| Fuel Consumption          | <395g/kw.h                                  |
| Fuel Tank                 | 2.2L/3.6L/10L/10L/10L                       |
| Oil Capacity              | 0.05L/0.4L/0.65L/0.65L/0.65L                |
| G.W                       | 12kg/20kg/24kg / 24.5kg/26kg                |
| Dimension(LXWXH)mm        | 33X26X30cm/38X31X34cm/45X38X47cm            |



## / WP20



## WP20

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                 |
| Max. capacity         | 36m <sup>3</sup> /hr                     |
| Max.head              | 32m                                      |
| Max suction head      | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | <395g/kw-h                               |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 480 X 380 X 380mm                        |
| Gross Weight          | 21.3kg                                   |

## WP30

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                 |
| Max. capacity         | 60m <sup>3</sup> /hr                     |
| Max.head              | 28m                                      |
| Max suction head      | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | <395g/kw-h                               |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 515 X 380 X 425mm                        |
| Gross Weight          | 22.5kg                                   |

## / WP40B



## WP40A / WP40B

|                       |                                             |
|-----------------------|---------------------------------------------|
| Inlet&outlet diameter | 100mm(4")                                   |
| Max. capacity         | 75m <sup>3</sup> /hr / 90m <sup>3</sup> /hr |
| Max.head              | 25m / 30m                                   |
| Max suction head      | 7m                                          |
| Engine type           | Air-cooled 4-stroke OHV single cylinder     |
| Bore X Stroke         | 70X55mm / 90X66mm                           |
| Displacement          | 212cc / 418cc                               |
| Compression ratio     | 8.5:1 / 8.0:1                               |
| Max. Power output     | 7.0HP/3600rpm / 15.0HP/3600rpm              |
| Ignition system       | Non-contact transistorized ignition(TCI)    |
| Start mode            | Recoil / Electric                           |
| Air cleaner           | Half-dry                                    |
| Fuel tank capacity    | 3.6L / 6.0L                                 |
| Fuel consumption      | <395g/kw-h / <374g/kw-h                     |
| Engine oil capacity   | 0.6L / 1.1L                                 |
| Dimension(LxWxH)      | 540x435x470mm / 650x415x515mm               |
| Gross Weight          | 27kg / 38.5kg                               |

## WP60

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 150mm(6")                                |
| Max. capacity         | 140m <sup>3</sup> /hr                    |
| Max.head              | 20m                                      |
| Max suction head      | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 90X66mm                                  |
| Displacement          | 418cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 15.0HP/3600rpm                           |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil & Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 6.0L                                     |
| Fuel consumption      | <374g/HP-hour                            |
| Engine oil capacity   | 1.1L                                     |
| Dimension(LxWxH)      | 740x550x620mm                            |
| Gross Weight          | 60kg                                     |



## / WP20C



## WP20C

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                 |
| Max. capacity         | 32m <sup>3</sup> /hr                     |
| Max.head              | 35m                                      |
| Max suction head      | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | <395g/kw-h                               |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 515 X 380 X 425mm                        |
| Gross Weight          | 24kg                                     |

## WP30C

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                 |
| Max. capacity         | 60m <sup>3</sup> /hr                     |
| Max.head              | 26m                                      |
| Max suction head(m)   | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | <395g/kw-h                               |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 600x420x460mm                            |
| Gross Weight          | 27kg                                     |

## / WP20S



## WP20S

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                 |
| Max. capacity         | 30m <sup>3</sup> /hr                     |
| Max.head              | 26m                                      |
| Max suction head      | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | 290g/HP-hour                             |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 510 X 450 X 430mm                        |
| Gross Weight          | 27kg                                     |

## WP30S

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                 |
| Max. capacity         | 60m <sup>3</sup> /hr                     |
| Max.head              | 26m                                      |
| Max suction head(m)   | 7m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | 290g/HP-hour                             |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 545 X 460 X 44.5mm                       |
| Gross Weight          | 31kg                                     |



## / WP20H



## WP20H

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 50mm(2") & 50(2inch)*1,40(1.5inch)*2     |
| Max. capacity         | 35m <sup>3</sup> /hr                     |
| Max.head              | 65m                                      |
| Max suction head      | 11m                                      |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | <395g/kw-h                               |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 515 X 380 X 425mm                        |
| Gross Weight          | 25kg                                     |

## WP30H

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 80mm(3") & 80(3inch)*1,40(1.5inch)*2     |
| Max. capacity         | 85m <sup>3</sup> /hr                     |
| Max.head              | 95m                                      |
| Max suction head(m)   | 19m                                      |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 90X66mm                                  |
| Displacement          | 418cc                                    |
| Compression ratio     | 8.0:1                                    |
| Max. Power output     | 15.0HP/3600rpm                           |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 6.0L                                     |
| Fuel consumption      | <374g/kw-h                               |
| Engine oil capacity   | 1.1L                                     |
| Dimension(LxWxH)      | 650x475x515mm                            |
| Gross Weight          | 45kg                                     |

## / WP30HCI



## WP20HCI

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 50mm(2") & 40(1.5inch)                   |
| Max. capacity         | 30m <sup>3</sup> /hr                     |
| Max.head              | 40m                                      |
| Max suction head      | 11m                                      |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | 290g/HP-hour                             |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 515 X 380 X 425mm                        |
| Gross Weight          | 24kg                                     |

## WP30HCI

|                       |                                          |
|-----------------------|------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                 |
| Max. capacity         | 40m <sup>3</sup> /hr                     |
| Max.head              | 35m                                      |
| Max suction head(m)   | 9m                                       |
| Engine type           | Air-cooled 4-stroke OHV single cylinder  |
| Bore X Stroke         | 70X55mm                                  |
| Displacement          | 212cc                                    |
| Compression ratio     | 8.5:1                                    |
| Max. Power output     | 7.0HP/3600rpm                            |
| Ignition system       | Non-contact transistorized ignition(TCI) |
| Start mode            | Recoil / Electric                        |
| Air cleaner           | Half-dry                                 |
| Fuel tank capacity    | 3.6L                                     |
| Fuel consumption      | 290g/HP-hour                             |
| Engine oil capacity   | 0.6L                                     |
| Dimension(LxWxH)      | 515 X 380 X 425mm                        |
| Gross Weight          | 26kg                                     |



## / KG186FA



## KG173F / KG178F

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Type                      | Single-cylinder, vertical, 4-stroke air-cooled  |
| Combustion System         | Direct Injection                                |
| BoreXStroke               | 73X59mm / 78X62mm                               |
| Displacement capacity     | 247cc / 296cc                                   |
| Speed                     | 3600rpm                                         |
| Max.output                | 3.8kW / 4.0kW                                   |
| Rated output              | 3.5kW / 3.8kW                                   |
| Fuel                      | o# or-10# light diesel oil                      |
| Fuel oil tank volume      | 2.5L / 3.5L                                     |
| Lubrication oil volume    | 0.75L / 1.1L                                    |
| Fuel oil consumption rate | 295g/kw.h                                       |
| Starting system           | Recoil or Electric                              |
| PTO rotation direction    | It is clockwise as viewed from the flywheel end |
| Dimension                 | 332X348X416mm / 383X412X450mm                   |
| Net weight                | 26kg / 33kg                                     |

## KG186FA / KG190FA / KG192FD

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Type                      | Single-cylinder, vertical, 4-stroke air-cooled  |
| Combustion System         | Direct Injection                                |
| BoreXStroke               | 86X72mm / 90X75mm / 92X75mm                     |
| Displacement capacity     | 418cc / 476cc / 498cc                           |
| Speed                     | 3600rpm                                         |
| Max.output                | 7.1kW / 8.5kW / 9.0kW                           |
| Rated output              | 6.5kW / 8.0kW / 8.5kW                           |
| Fuel                      | o# or-10# light diesel oil                      |
| Fuel oil tank volume      | 5.5L                                            |
| Lubrication oil volume    | 1.65L                                           |
| Fuel oil consumption rate | 280g/kw.h                                       |
| Starting system           | Recoil or Electric                              |
| PTO rotation direction    | It is clockwise as viewed from the flywheel end |
| Dimension                 | 510x470x560mm                                   |
| Net weight                | 45kg / 58kg / 58kg                              |

## / KG198F



## KG195F / KG198F

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Type                      | Single-cylinder, vertical, 4-stroke air-cooled  |
| Combustion System         | Direct Injection                                |
| BoreXStroke               | 95X75mm / 98X84mm                               |
| Displacement capacity     | 531cc / 633cc                                   |
| Speed                     | 3600rpm                                         |
| Max.output                | 9.5kW / 10.5kW                                  |
| Rated output              | 9.0kW / 9.5kW                                   |
| Fuel                      | o# or-10# light diesel oil                      |
| Fuel oil tank volume      | 5.5L                                            |
| Lubrication oil volume    | 1.65L / 2L                                      |
| Fuel oil consumption rate | 280g/kw.h                                       |
| Starting system           | Recoil or Electric                              |
| PTO rotation direction    | It is clockwise as viewed from the flywheel end |
| Dimension                 | 510X500X560mm / 510X550X590mm                   |
| Net weight                | 59kg / 61kg                                     |

## KG1102F / KG1105F

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Type                      | Single-cylinder, vertical, 4-stroke air-cooled  |
| Combustion System         | Direct Injection                                |
| Bore X Stroke             | 102X88mm / 105X88mm                             |
| Displacement capacity     | 718cc / 761cc                                   |
| Speed                     | 3600rpm                                         |
| Max.output                | 12.7kW / 14.3kW                                 |
| Rated output              | 12.5kW / 13kW                                   |
| Fuel                      | o# or-10# light diesel oil                      |
| Fuel oil tank volume      | 5.5L                                            |
| Lubrication oil volume    | 2L                                              |
| Fuel oil consumption rate | 280g/kw.h                                       |
| Starting system           | Electric                                        |
| PTO rotation direction    | It is clockwise as viewed from the flywheel end |
| Dimension                 | 520X530X595mm                                   |
| Net weight                | 63kg / 66kg                                     |



## / WP20D



## WP20D

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                       |
| Max. capacity         | 36m <sup>3</sup> /hr                           |
| Max.head              | 26m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 73X59mm                                        |
| Displacement          | 247cc                                          |
| Max. Power output     | 4.0HP/3600rpm                                  |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 2.5L                                           |
| Fuel consumption      | <295g/kw-h                                     |
| Engine oil capacity   | 0.75L                                          |
| Dimension(LxWxH)      | 530 X 420 X 510mm                              |
| Gross Weight          | 35kg                                           |

## WP30D

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                       |
| Max. capacity         | 50m <sup>3</sup> /hr                           |
| Max.head              | 25m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 78X62mm                                        |
| Displacement          | 296cc                                          |
| Max. Power output     | 6.0HP/3600rpm                                  |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 3.5L                                           |
| Fuel consumption      | <295g/kw-h                                     |
| Engine oil capacity   | 1.1L                                           |
| Dimension(LxWxH)      | 560X 450 X 560mm                               |
| Gross Weight          | 45kg                                           |

## / WP40DE



## WP40DE

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 100mm(4")                                      |
| Max. capacity         | 96m <sup>3</sup> /hr                           |
| Max.head              | 31m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 86X72mm                                        |
| Displacement          | 418cc                                          |
| Max. Power output     | 9.0HP/3600rpm                                  |
| Start mode            | Recoil & Electric                              |
| Fuel tank capacity    | 5.5L                                           |
| Fuel consumption      | <280g/kw-h                                     |
| Engine oil capacity   | 1.65L                                          |
| Dimension(LxWxH)      | 660 X 490 X 610mm                              |
| Gross Weight          | 65kg                                           |

## WP60DE

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 150mm(6")                                      |
| Max. capacity         | 180m <sup>3</sup> /hr                          |
| Max.head              | 15m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 92X75mm                                        |
| Displacement          | 498cc                                          |
| Max. Power output     | 12.0HP/3600rpm                                 |
| Start mode            | Electric                                       |
| Fuel tank capacity    | 5.5L                                           |
| Fuel consumption      | <280g/kw-h                                     |
| Engine oil capacity   | 1.65L                                          |
| Dimension(LxWxH)      | 780 X 540 X 840mm                              |
| Gross Weight          | 120kg                                          |



## / WP20DC



## WP20DC

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                       |
| Max. capacity         | 33m <sup>3</sup> /hr                           |
| Max.head              | 30m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 78X62mm                                        |
| Displacement          | 296cc                                          |
| Max. Power output     | 6.0HP/3600rpm                                  |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 3.5L                                           |
| Fuel consumption      | <295g/kw-h                                     |
| Engine oil capacity   | 1.1L                                           |
| Dimension(LxWxH)      | 530 X 420 X 510mm                              |
| Gross Weight          | 37kg                                           |

## WP30DC

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                       |
| Max. capacity         | 57m <sup>3</sup> /hr                           |
| Max.head              | 25m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 78X62mm                                        |
| Displacement          | 296cc                                          |
| Max. Power output     | 6.0HP/3600rpm                                  |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 3.5L                                           |
| Fuel consumption      | <295g/kw-h                                     |
| Engine oil capacity   | 1.1L                                           |
| Dimension(LxWxH)      | 560X 450 X 560mm                               |
| Gross Weight          | 47kg                                           |

## / WP20DS



## WP20DS

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                       |
| Max. capacity         | 25m <sup>3</sup> /hr                           |
| Max.head              | 20m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 78X62mm                                        |
| Displacement          | 296cc                                          |
| Max. Power output     | 6.0HP/3600rpm                                  |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 3.5L                                           |
| Fuel consumption      | <295g/kw-h                                     |
| Engine oil capacity   | 1.1L                                           |
| Dimension(LxWxH)      | 560 X 470 X 570mm                              |
| Gross Weight          | 46kg                                           |

## WP30DS

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                       |
| Max. capacity         | 45m <sup>3</sup> /hr                           |
| Max.head              | 22m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 78X62mm                                        |
| Displacement          | 296cc                                          |
| Max. Power output     | 6.0HP/3600rpm                                  |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 3.5L                                           |
| Fuel consumption      | <295g/kw-h                                     |
| Engine oil capacity   | 1.1L                                           |
| Dimension(LxWxH)      | 650 X 470 X 570mm                              |
| Gross Weight          | 56kg                                           |

/ WP20DH



**WP20DH**

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 50mm(2")                                       |
| Max. capacity         | 23m <sup>3</sup> /hr                           |
| Max.head              | 50m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 86X72mm                                        |
| Displacement          | 418ml                                          |
| Max. Power output     | 10.0HP/3600rpm                                 |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 5.5L                                           |
| Fuel consumption      | <280g/kw-h                                     |
| Engine oil capacity   | 1.65L                                          |
| Dimension(LxWxH)      | 600 X 480 X 600mm                              |
| Gross Weight          | 57kg                                           |

**WP30DH**

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                       |
| Max. capacity         | 38m <sup>3</sup> /hr                           |
| Max.head              | 70m                                            |
| Max suction head      | 7m                                             |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 92X75mm                                        |
| Displacement          | 498ml                                          |
| Max. Power output     | 12.0HP/3600rpm                                 |
| Start mode            | Recoil / Electric                              |
| Fuel tank capacity    | 3.5L                                           |
| Fuel consumption      | <280g/kw-h                                     |
| Engine oil capacity   | 1.65L                                          |
| Dimension(LxWxH)      | 600X 485 X 600mm                               |
| Gross Weight          | 59kg                                           |

/ WP20DHCI



/ WP30HDB



**WP15DHCI / WP20DHCI / WP30DHCI / WP40DHCI**

|                       |                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------|
| Inlet&outlet diameter | 38mm(1.5") / 50mm(2")/80mm(3") / 100mm(4")                                                |
| Max. capacity         | 28m <sup>3</sup> /hr / 35m <sup>3</sup> /hr / 47m <sup>3</sup> /hr / 90m <sup>3</sup> /hr |
| Max.head              | 75m / 90m 75m / 60m                                                                       |
| Max suction head      | 7m                                                                                        |
| Engine type           | Single-cylinder, vertical, 4-stroke air-cooled                                            |
| Bore X Stroke         | 78X62mm / 86X72mm / 86X72mm / 92X75mm                                                     |
| Displacement          | 296ml / 418ml / 418ml / 498ml                                                             |
| Max. Power output     | 6.0HP / 10.0HP / 10.0HP / 12.0HP/3600rpm                                                  |
| Start mode            | Recoil / Electric                                                                         |
| Fuel tank capacity    | 5.5L                                                                                      |
| Fuel consumption      | <280g/kw-h                                                                                |
| Engine oil capacity   | 1.65L                                                                                     |
| Dimension(LxWxH)      | 45x46x56cm / 50x48x62cm/54x48x62cm/56x48x62cm                                             |
| Gross Weight          | 50kg / 65kg / 82kg / 84kg                                                                 |

**WP30HDA-2V88A / WP30HDB-2V88B**

|                       |                                                |
|-----------------------|------------------------------------------------|
| Inlet&outlet diameter | 80mm(3")                                       |
| Max. capacity         | 42m <sup>3</sup> /hr                           |
| Max.head              | 90m / 98m                                      |
| Max suction head      | 7m                                             |
| Engine type           | Double-cylinder, vertical, 4-stroke air-cooled |
| Bore X Stroke         | 2-88X74mm                                      |
| Displacement          | 870ml                                          |
| Max. Power output     | 20HP/3600rpm / 25HP/3600rpm                    |
| Start mode            | Electric                                       |
| Fuel tank capacity    | 5.5L                                           |
| Fuel consumption      | <280g/kw-h                                     |
| Engine oil capacity   | 1.65L                                          |
| Dimension(LxWxH)      | 980 X 620 X 690mm                              |
| Gross Weight          | 139kg / 140kg                                  |



## TECHICAL DATA

## WP Diesel Engine For Pump

| Model                       | 380                                          | 385     | 480     | 485     | 490N    | 490     | 495     | 498     | 4102    |
|-----------------------------|----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Type                        | Direct Injection, Water-cooling, Four Stroke |         |         |         |         |         |         |         |         |
| Intake Type                 | Naturally Aspirated                          |         |         |         |         |         |         |         |         |
| Bore*Stroke(mm*mm)          | 80*90                                        | 85*90   | 80*90   | 85*100  | 90*100  | 90*105  | 95*105  | 98*105  | 102*118 |
| Cylinder No.                | 3                                            | 3       | 4       | 4       | 4       | 4       | 4       | 4       | 4       |
| Displacement (L)            | 1.357                                        | 1.532   | 1.8     | 2.27    | 2.54    | 2.67    | 2.997   | 3.168   | 3.857   |
| Rated Power/Speed(kW/r/min) | 20/3000                                      | 24/3000 | 28/3000 | 26/3000 | 42/3000 | 45/3000 | 50/3000 | 54/3000 | 62/3000 |
| Horse Power                 | 27                                           | 32      | 38      | 49      | 58      | 61      | 68      | 73      | 85      |
| Power Coverage (kW)         | ≤37                                          | ≤37     | ≤37     | ≤55     | ≤55     | ≤55     | ≤75     | ≤75     | ≤100    |

| Model                       | 4105                                         | 4108    | 485Z           | 490NZ   | 490Z    | 498Z    | 4102Z   | 4105Z   | 4108Z   |
|-----------------------------|----------------------------------------------|---------|----------------|---------|---------|---------|---------|---------|---------|
| Type                        | Direct Injection, Water-cooling, Four Stroke |         |                |         |         |         |         |         |         |
| Intake Type                 | Naturally Aspirated                          |         | Turbo-charging |         |         |         |         |         |         |
| Bore*Stroke(mm*mm)          | 105*118                                      | 108*118 | 85*100         | 90*100  | 90*105  | 98*105  | 102*118 | 105*118 | 108*118 |
| Cylinder No.                | 4                                            | 4       | 4              | 4       | 4       | 4       | 4       | 4       | 4       |
| Displacement (L)            | 4.087                                        | 4.324   | 2.27           | 2.54    | 2.67    | 3.168   | 3.857   | 4.087   | 4.324   |
| Rated Power/Speed(kW/r/min) | 67/3000                                      | 73/3000 | 44/3000        | 50/3000 | 55/3000 | 60/3000 | 73/3000 | 75/3000 | 83/3000 |
| Horse Power                 | 91                                           | 99      | 60             | 68      | 75      | 81      | 99      | 102     | 113     |
| Power Coverage (kW)         | ≤100                                         | ≤100    | ≤55            | ≤55     | ≤55     | ≤75     | ≤100    | ≤100    | ≤100    |

**USING LIMITS**Liquid temperature between **-10°C** and **+120°C**Ambient temperature up to **+50°C**Max. working pressure **16 bar**Continuous service **S1****TECHNICAL DESCRIPTION**

※ More Environmentally Friendly

※ Meeting China III Emission Standard

※ Low Fuel Consumption

※ Strong Power

※ Easy To Assemble

**TECHICAL DATA****WP50 TO WP65**

60HZ n=3500 l/min

| Model      | Power |     | us<br>gpm    | Q=DELIVERY |     |     |     |     |     |      |      |      |       |       |       |       |       |      |      |      |      | DN    |
|------------|-------|-----|--------------|------------|-----|-----|-----|-----|-----|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|-------|
|            |       |     | l/min        | 0          | 40  | 66  | 79  | 106 | 119 | 159  | 185  | 211  | 238   | 317   | 370   | 396   | 476   | 529  | 608  | 793  | 925  |       |
|            | kw    | hp  | m³/h         | 0          | 150 | 250 | 300 | 400 | 450 | 6000 | 700  | 800  | 900   | 1200  | 1400  | 1500  | 1800  | 2000 | 2300 | 3000 | 3500 |       |
|            |       |     |              | 0          | 9   | 15  | 18  | 24  | 27  | 36   | 42   | 48   | 54    | 72    | 84    | 90    | 108   | 120  | 138  | 180  | 210  | mm    |
| 50-200/150 | 15    | 20  | Head<br>H(m) | 62         |     |     |     |     |     | 59   | 56.5 | 54.5 | 52    | 44.5  | 39    | 35.5  |       |      |      |      |      | 65x50 |
| 50-250/150 | 15    | 20  |              | 68.5       |     |     |     |     |     | 64   | 63   | 61.5 | 59    | 50    | 41    |       |       |      |      |      |      | 65x50 |
| 50-250/185 | 18.5  | 25  |              | 79         |     |     |     |     |     | 75.8 | 74.8 | 74   | 71.5  | 63.5  | 55.5  | 47    |       |      |      |      |      | 65x50 |
| 50-250/220 | 22    | 30  |              | 89.5       |     |     |     |     |     | 86   | 85.3 | 84   | 81.5  | 73.5  | 65.5  | 57    |       |      |      |      |      | 65x50 |
| 65-160/150 | 15    | 20  |              | 42         |     |     |     |     |     |      |      |      | 41    | 40    | 38.5  | 37.8  | 35    | 33   | 29.5 |      |      | 80x65 |
| 65-200/150 | 15    | 20  |              | 45         |     |     |     |     |     |      |      |      | 45.5  | 43    | 41    | 40.2  | 36.5  | 34   |      |      |      | 80x65 |
| 65-200/185 | 18.5  | 25  |              | 52         |     |     |     |     |     |      |      |      | 52.3  | 51    | 49    | 48.2  | 44.5  | 42   |      |      |      | 80x65 |
| 65-200/220 | 22    | 30  |              | 59         |     |     |     |     |     |      |      |      | 59.5  | 58    | 56    | 55    | 52    | 49.5 | 44.5 |      |      | 80x65 |
| 65-250/220 | 22    | 30  |              | 64.8       |     |     |     |     |     |      |      |      | 64.7  | 62    | 60    | 58.5  | 53    | 50   |      |      |      | 80x65 |
| 65-250/300 | 30    | 40  |              | 80         |     |     |     |     |     |      |      |      | 79.8  | 77.5  | 75.5  | 74.5  | 70    | 66   | 58   |      |      | 80x65 |
| 65-250/370 | 37    | 50  |              | 92         |     |     |     |     |     |      |      |      | 90.5  | 88.5  | 87    | 85    | 80.5  | 78   | 68   |      |      | 80x65 |
| 65-315/370 | 37    | 50  |              | 102        |     |     |     |     |     |      |      |      | 99.2  | 97    | 95    | 94.5  | 92.4  | 90   | 83   |      |      | 80x65 |
| 65-315/450 | 45    | 60  |              | 112        |     |     |     |     |     |      |      |      | 109.2 | 107.7 | 105.8 | 104.5 | 102.5 | 100  | 93   | 66   |      | 80x65 |
| 65-315/550 | 55    | 75  |              | 122        |     |     |     |     |     |      |      |      | 119.2 | 117.4 | 115.7 | 114.5 | 112.5 | 110  | 103  | 76   |      | 80x65 |
| 65-315/750 | 75    | 100 |              | 141        |     |     |     |     |     |      |      |      | 139.8 | 137.3 | 135.6 | 134.5 | 132.5 | 130  | 122  | 96   | 65.5 | 80x65 |

**APPLICATIONS**

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The diesel engine pumps are recommended for use in water supply, cleaning sets, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in climatisation sets, agricultural.

**TECHNICAL DESCRIPTION**

- ※ More Environmentally Friendly
- ※ Meeting China III Emission Standard
- ※ Low Fuel Consumption
- ※ Strong Power
- ※ Easy To Assemble

**TECHICAL DATA****WP80 TO WP150**

60HZ n=3500 l/min

| Model       | Power |     | us           | Q=DELIVERY |      |       |      |      |       |      |      |      |      |      |      |      |       |       |       |      |         | DN |
|-------------|-------|-----|--------------|------------|------|-------|------|------|-------|------|------|------|------|------|------|------|-------|-------|-------|------|---------|----|
|             |       |     | gpm          | 0          | 264  | 396   | 529  | 634  | 793   | 881  | 925  | 969  | 1057 | 1233 | 1322 | 1586 | 1762  | 2203  | 2643  | 3524 | 4405    |    |
|             | l/min | 0   | 1000         | 1500       | 2000 | 2400  | 3000 | 3333 | 3500  | 3666 | 4000 | 4666 | 5000 | 6000 | 6666 | 8333 | 10000 | 13333 | 16666 |      |         |    |
|             | m³/h  | 0   | 60           | 90         | 120  | 144   | 180  | 200  | 210   | 220  | 240  | 280  | 300  | 360  | 400  | 500  | 600   | 800   | 1000  | mm   |         |    |
| 80-160/110  | 11    | 15  | Head<br>H(m) | 27         | 27   | 27.3  | 24.5 | 21.1 | 16    |      |      |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-160/150  | 15    | 20  |              | 32.8       | 32.6 | 32.5  | 30.2 | 27   | 22.1  | 18.5 | 16.7 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-160/185  | 18.5  | 25  |              | 39         | 38.5 | 38    | 36.7 | 33.6 | 28.8  | 25.3 | 23.5 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-160/220  | 22    | 30  |              | 44         | 43.5 | 43    | 41.7 | 38.6 | 33.8  | 30.3 | 28.5 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-200/220  | 22    | 30  |              | 48         | 47.7 | 47.5  | 43.5 | 39.2 | 32.5  | 27.2 | 24.5 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-200/300  | 30    | 40  |              | 60         | 59.7 | 59.5  | 57   | 53.1 | 47    | 42.7 | 40.5 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-250/370  | 37    | 50  |              | 71.5       | 70.9 | 70.5  | 65.5 | 59.3 | 51    | 43.2 | 38.5 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-250/450  | 45    | 60  |              | 88         | 86.7 | 86    | 83.6 | 78.5 | 70.5  | 60   | 51   |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-250/550  | 55    | 75  |              | 94.5       | 94.5 | 94.5  | 91.8 | 87   | 79.5  | 72.1 | 68.3 |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-315/450  | 45    | 60  |              | 85         | 84   | 82.6  | 82   | 78   | 68.3  | 61   | 56   |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-315/550  | 55    | 75  |              | 98         | 97   | 95.6  | 95   | 91   | 81.3  | 74   | 69   |      |      |      |      |      |       |       |       |      | 100x80  |    |
| 80-315/750  | 75    | 100 |              | 124        | 123  | 121.6 | 121  | 117  | 107.3 | 100  | 95   | 90   | 80.8 |      |      |      |       |       |       |      | 100x80  |    |
| 100-160/150 | 15    | 20  |              | 35         | 33.5 | 32.5  | 30   | 27.8 | 24.5  | 21.5 | 20   | 18.3 | 15   |      |      |      |       |       |       |      | 125x100 |    |
| 100-160/185 | 18.5  | 25  |              | 38.5       | 37.5 | 36.5  | 34.3 | 32.2 | 29    | 25.7 | 24   | 22   | 18   |      |      |      |       |       |       |      | 125x100 |    |
| 100-160/220 | 22    | 30  |              | 43         | 41   | 40    | 37.6 | 35.2 | 31.5  | 28.5 | 27   | 25.3 | 22   |      |      |      |       |       |       |      | 125x100 |    |
| 100-200/220 | 22    | 30  |              | 38.5       | 36.7 | 35.7  | 33.8 | 31.7 | 28.5  | 26.8 | 26   | 25   | 22.9 | 16.3 | 13   |      |       |       |       |      | 125x100 |    |
| 100-200/300 | 30    | 40  |              | 44.5       | 42.5 | 42    | 40.2 | 38.8 | 36.7  | 34.2 | 33   | 31.7 | 29   | 21.7 | 18   |      |       |       |       |      | 125x100 |    |
| 100-200/370 | 37    | 50  |              | 55         | 53   | 51    | 50.6 | 49.2 | 47    | 45   | 44   | 42.8 | 40.5 | 32.8 | 29   |      |       |       |       |      | 125x100 |    |
| 100-250/450 | 45    | 60  |              | 65         | 65   | 64    | 63   | 61   | 58    | 56   | 55   | 53.3 | 50   | 39   | 33.5 |      |       |       |       |      | 125x100 |    |
| 100-250/550 | 55    | 75  |              | 77         | 76   | 75.5  | 73.8 | 72   | 72    | 71.7 | 71.5 | 70.7 | 69   | 62.3 | 59   |      |       |       |       |      | 125x100 |    |
| 100-250/750 | 75    | 100 |              | 91         | 91   | 90.5  | 89.7 | 88   | 85.5  | 84   | 83.3 | 81.5 | 78   | 71.7 | 68.5 | 48   |       |       |       |      | 125x100 |    |
| 100-315/550 | 55    | 75  |              | 80         |      |       | 79   | 77.4 | 75    | 74   | 73.5 | 73   | 71.3 | 68   | 66   | 60   |       |       |       |      | 125x100 |    |
| 100-315/750 | 75    | 100 |              | 100        |      |       | 99   | 97.4 | 95    | 94   | 93.5 | 93   | 91.3 | 88   | 86   | 80   |       |       |       |      | 125x100 |    |
| 125-200/450 | 45    | 60  |              | 39.8       |      |       | 39.3 | 39.2 | 39    | 38.9 | 38.9 | 38.8 | 37.5 | 35   | 34   | 28.6 | 25    |       |       |      | 150x125 |    |
| 125-200/550 | 55    | 75  |              | 49.8       |      |       | 49.3 | 49.2 | 49    | 48.9 | 48.9 | 48.8 | 47.5 | 45   | 44   | 38.6 | 35    |       |       |      | 150x125 |    |
| 125-200/750 | 75    | 100 |              | 60.8       |      |       | 60.3 | 60.2 | 60    | 59.9 | 59.9 | 59.8 | 58.5 | 56   | 55   | 49.6 | 46    |       |       |      | 150x125 |    |
| 125-250/550 | 55    | 75  |              | 70         |      |       | 67   | 65   | 64    | 63   | 62   | 61   | 59.5 | 57   | 56   | 53   |       |       |       |      | 150x125 |    |
| 125-250/750 | 75    | 100 |              | 80         |      |       | 77   | 75   | 74    | 73   | 72   | 71   | 69.8 | 67.1 | 66.2 | 63   | 58.5  |       |       |      | 150x125 |    |
| 150-200/750 | 75    | 100 |              | 50         |      |       |      |      |       |      |      | 48   | 47.9 | 47.6 | 47.2 | 46.7 | 46.4  | 40.6  | 36.8  | 25.2 | 200x150 |    |



## / KG3600LAiE



## / KG6500LiE



## KG3600LAiE / KG6000LAiE / KG7000LAiE

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 3.5kW / 6.0kW                                 |
| Rated Power        | 3.0kW / 5.5kW                                 |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1 / 0.8                                       |
| Model              | KG178F / KG188F / KG195F                      |
| Max. Output        | 6HP / 10HP / 13HP-3600rpm                     |
| Displacement       | 296cc / 438cc / 531cc                         |
| Noise Level(at 7m) | 82dB                                          |
| Starting System    | Recoil / Electric                             |
| Type               | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank          | 12.5L                                         |
| Oil Capacity       | 1.1L / 1.65L 1.65L                            |
| Dimension(LxWxH)   | 640 X 535 X 585mm / 700 X 535 X 630mm         |
| Gross Weight       | 60kg / 75kg / 80kg                            |

## KG3800LiE / KG6500LiE / KG8800LiE / KG9900LiE

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 4.3kW / 7.5kW / 9.4kW / 10.5kW                |
| Rated Power        | 3.8kW / 6.8kW / 8.8kW / 10kW                  |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1 / 0.8                                       |
| Model              | KG178F / KG188F / KG195F / KG1100F            |
| Max. Output        | 6HP / 10HP / 13HP / 15HP -3600rpm             |
| Displacement       | 296cc / 438cc / 531cc / 667cc                 |
| Noise Level(at 7m) | 85dB                                          |
| Starting System    | Recoil / Electric                             |
| Type               | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank          | 12.5L                                         |
| Oil Capacity       | 1.1L / 1.65L                                  |
| Dimension(LxWxH)   | 800 X 570 X 720mm / 820 X 600 X 790mm         |
| Gross Weight       | 100kg / 110kg / 115kg / 137kg                 |

## / KG6500SiE



## KG3600SiE / KG6500SiE / KG7500SiE

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 3.5kW / 6.0kW / 7.5kW                         |
| Rated Power        | 3.0kW / 5.5kW / 7.0kW                         |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1 / 0.8                                       |
| Model              | KG178F / KG188F / KG195F                      |
| Max. Output        | 6HP / 10HP / 13HP-3600rpm                     |
| Displacement       | 296cc / 438cc / 531cc                         |
| Noise Level(at 7m) | 85dB                                          |
| Starting System    | Electric                                      |
| Type               | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank          | 12.5L                                         |
| Oil Capacity       | 2L                                            |
| Dimension(LxWxH)   | 800 X 570 X 720mm                             |
| Gross Weight       | 100kg / 110kg / 115kg                         |

## KG8500SiE / KG9500SiE / KG15000SiE

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Frequency          | 50Hz/60Hz                                       |
| Voltage            | 110V/220V/230V/380V/400V                        |
| Max. Power         | 8.5kW / 9.5kW / 13kW                            |
| Rated Power        | 8.0kW / 9.0kW / 12kW                            |
| DC Output          | 12V/8.3A                                        |
| Power Factor cos   | 1                                               |
| Model              | KG1100F / KG1105F / 2V95F                       |
| Max. Output        | 15HP / 17HP / 29HP-3600rpm                      |
| Displacement       | 660cc / 762cc / 1247cc                          |
| Noise Level(at 7m) | 86dB                                            |
| Starting System    | Electric                                        |
| Type               | air-cooled,direct injection/Two-cylinder,V-twin |
| Fuel Tank          | 24L                                             |
| Oil Capacity       | 2.0L / 3.8L                                     |
| Dimension(LxWxH)   | 84X620X890mm / 950*700*890mm                    |
| Gross Weight       | 137kg / 138kg / 158kg                           |



## / KG3600L



## / KG7000LE



## KG3600L / KG5000L

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 3.5kW / 5.5kW                                 |
| Rated Power        | 3.0kW / 5.0kW                                 |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1 / 0.8                                       |
| Model              | KG178F / KG186FA                              |
| Max. Output        | 6HP/3600rpm / 10HP/3600rpm                    |
| Displacement       | 296cc / 418cc                                 |
| Noise Level(at 7m) | 82dB                                          |
| Starting System    | Recoil / Electric                             |
| Type               | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank          | 12.5L                                         |
| Oil Capacity       | 1.1L / 1.65L                                  |
| Dimension(LxWxH)   | 720 X 500 X 580mm / 740 X 500 X 630mm         |
| Gross Weight       | 86kg / 106kg                                  |

## KG6000L / KG7000L / KG8000LE

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 6.5kW / 7.5kW / 8.5kW                         |
| Rated Power        | 6.0kW / 7.0kW / 8.0kW                         |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1 / 0.8                                       |
| Model              | KG190F / KG195F / KG1100F                     |
| Max. Output        | 11HP / 13HP / 15HP-3600rpm                    |
| Displacement       | 476cc / 531cc / 660cc                         |
| Noise Level(at 7m) | 85dB                                          |
| Starting System    | Recoil / Electric                             |
| Type               | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank          | 12.5L                                         |
| Oil Capacity       | 1.65L                                         |
| Dimension(LxWxH)   | 740 X 500 X 630mm / 770 X 540 X 680mm         |
| Gross Weight       | 111kg / 116kg / 134kg                         |

## / KG9000LE



## / KG18000LE



## KG9000LE / KG10000LE

|                    |                                               |
|--------------------|-----------------------------------------------|
| Frequency          | 50Hz/60Hz                                     |
| Voltage            | 110V/220V/230V/380V/400V                      |
| Max. Power         | 10kW / 11kW                                   |
| Rated Power        | 9.0kW / 10kW                                  |
| DC Output          | 12V/8.3A                                      |
| Power Factor cos   | 1 / 0.8                                       |
| Model              | 1105F                                         |
| Max. Output        | 17HP/3600rpm                                  |
| Displacement       | 762cc                                         |
| Noise Level(at 7m) | 85dB                                          |
| Starting System    | Electric                                      |
| Type               | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank          | 15L                                           |
| Oil Capacity       | 2L                                            |
| Dimension(LxWxH)   | 770 X 540 X 700mm                             |
| Gross Weight       | 175kg / 182kg                                 |

## KG13000LE / KG15000LE / KG18000LE

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Frequency          | 50Hz/60Hz                                       |
| Voltage            | 110V/220V/230V/380V/400V                        |
| Max. Power         | 11kW / 14kW / 17kW                              |
| Rated Power        | 10kW / 12kW / 15kW                              |
| DC Output          | 12V/8.3A                                        |
| Power Factor cos   | 1                                               |
| Model              | 2V88 / 2V92 / 2V95                              |
| Max. Output        | 21HP / 22HP / 29HP-3600rpm                      |
| Displacement       | 875ml / 997ml / 1247ml                          |
| Noise Level(at 7m) | 86dB                                            |
| Starting System    | Electric                                        |
| Type               | Two-cylinder,V-twin,air-cooled,direct injection |
| Fuel Tank          | 30L                                             |
| Oil Capacity       | 2.3L / 3.8L                                     |
| Dimension(LxWxH)   | 925X650X810mm / 1140*840*1080mm                 |
| Gross Weight       | 185kg / 193kg / 285kg                           |



## / KG5000SE



## / KG5000DAE



## KG5000SE / KG6000SE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V /400V                     |
| Max. Power       | 5.5kW / 6.5kW                                 |
| Rated Power      | 5.0kW / 6.0kW                                 |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1                                             |
| Model            | KG186FA / KG192F                              |
| Max. Output      | 10HP / 12HP -3600rpm                          |
| Displacement     | 418cc / 498cc                                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 12.5L                                         |
| Oil Capacity     | 1.1L / 1.65L                                  |
| Dimension(LxWxH) | 950X560X730mm                                 |
| Gross Weight     | 154kg / 165kg                                 |

## KG3600DAE / KG5000DAE / KG6000DAE / KG7000DAE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V /400V                     |
| Max. Power       | 3.5kW / 5.5kW / 6.5kW / 7.5kW                 |
| Rated Power      | 3.0kW / 5.0kW / 6.0kW / 7.0kW                 |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1                                             |
| Model            | KG178F / KG186FA / KG192F / KG195F            |
| Max. Output      | 6HP / 10HP / 12HP / 13HP -3600rpm             |
| Displacement     | 296cc / 418cc / 498cc / 531cc                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 12.5L                                         |
| Oil Capacity     | 1.1L / 1.65L                                  |
| Dimension(LxWxH) | 950X560X730mm                                 |
| Gross Weight     | 135kg / 150kg / 160kg / 164kg                 |

## / KG5000DBE



## / KG5000DCE



## KG5000DBE / KG6000DBE / KG7000DBE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V /400V                     |
| Max. Power       | 5.5kW / 6.5kW / 7.5kW                         |
| Rated Power      | 5.0kW / 6.0kW / 7.0kW                         |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1                                             |
| Model            | KG186FA / KG192F / KG195F                     |
| Max. Output      | 10HP / 12HP / 13HP -3600rpm                   |
| Displacement     | 418cc / 498cc / 531cc                         |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 12.5L                                         |
| Oil Capacity     | 1.1L / 1.65L                                  |
| Dimension(LxWxH) | 950X560X730mm                                 |
| Gross Weight     | 150kg / 160kg / 164kg                         |

## KG5000DCE / KG6000DCE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V /400V                     |
| Max. Power       | 5.5kW / 6.5kW                                 |
| Rated Power      | 5.0kW / 6.0kW                                 |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1                                             |
| Model            | KG186FA / KG192F                              |
| Max. Output      | 10HP / 12HP -3600rpm                          |
| Displacement     | 418cc / 498cc                                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 12.5L                                         |
| Oil Capacity     | 1.1L / 1.65L                                  |
| Dimension(LxWxH) | 950X560X730mm                                 |
| Gross Weight     | 150kg / 160kg                                 |



## / KG8000BE



## KG7000BE / KG8000BE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V/400V                      |
| Max. Power       | 7.5kW / 8.5kW                                 |
| Rated Power      | 7.0kW / 8.0kW                                 |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1 / 0.8                                       |
| Model            | KG195F / KG1100F                              |
| Max. Output      | 13HP / 15HP-3600rpm                           |
| Displacement     | 531cc / 660cc                                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 12.5L                                         |
| Oil Capacity     | 1.65L                                         |
| Dimension(LxWxH) | 1090X750X860mm                                |
| Gross Weight     | 185kg / 200kg                                 |

## KG9000BE / KG10000BE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V/400V                      |
| Max. Power       | 10kW / 11kW                                   |
| Rated Power      | 9.0kW / 10kW                                  |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1 / 0.8                                       |
| Model            | 1105F                                         |
| Max. Output      | 17HP-3600rpm                                  |
| Displacement     | 762cc                                         |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 15L                                           |
| Oil Capacity     | 2L                                            |
| Dimension(LxWxH) | 1090X750X860mm                                |
| Gross Weight     | 205kg / 220kg                                 |

## / KG7000DE



## KG6000DE / KG7000DE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V/400V                      |
| Max. Power       | 6.5kW / 7.5kW                                 |
| Rated Power      | 6.0kW / 7.0kW                                 |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1                                             |
| Model            | KG192F / KG195F                               |
| Max. Output      | 12HP / 13HP-3600rpm                           |
| Displacement     | 498cc / 531cc                                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 12.5L                                         |
| Oil Capacity     | 1.65L                                         |
| Dimension(LxWxH) | 950X560X730mm                                 |
| Gross Weight     | 160kg / 164kg                                 |

## KG8000DE / KG9000DE / KG10000DE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V/400V                      |
| Max. Power       | 10kW / 11kW                                   |
| Rated Power      | 9.0kW / 10kW                                  |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1 / 0.8                                       |
| Model            | 1100F / 1105F                                 |
| Max. Output      | 15HP / 17HP-3600rpm                           |
| Displacement     | 660cc / 762cc                                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, air-cooled |
| Fuel Tank        | 15L                                           |
| Oil Capacity     | 2L                                            |
| Dimension(LxWxH) | 1130X640X860mm                                |
| Gross Weight     | 200kg / 205kg / 220kg                         |



## / KG15000DE



## / KG6000DOE



## KG13000DE / KG15000DE / KG18000DE

|                  |                                                 |
|------------------|-------------------------------------------------|
| Frequency        | 50Hz/60Hz                                       |
| Voltage          | 110V/220V/230V/380V/400V                        |
| Max. Power       | 11kW / 14kW / 17kW                              |
| Rated Power      | 10kW / 12kW / 15kW                              |
| DC Output        | 12V/8.3A                                        |
| Power Factor cos | 1 / 0.8                                         |
| Model            | 2V88 / 2V92 / 2V95                              |
| Max. Output      | 21HP / 22HP / 29HP-3600rpm                      |
| Displacement     | 875cc/997cc / 1247cc                            |
| Starting System  | Electric                                        |
| Type             | Two-cylinder,V-twin,air-cooled,direct injection |
| Fuel Tank        | 30L                                             |
| Oil Capacity     | 2.3L / 3.8L                                     |
| Dimension(LxWxH) | 1250X650X880mm                                  |
| Gross Weight     | 240kg / 260kg / 285kg                           |

## KG5000DOE / KG6000DOE / KG7000DOE / KG8000DOE

|                  |                                               |
|------------------|-----------------------------------------------|
| Frequency        | 50Hz/60Hz                                     |
| Voltage          | 110V/220V/230V/380V/400V                      |
| Max. Power       | 5.5kW / 6.5kW / 7.5kW / 8.5kW                 |
| Rated Power      | 5.0kW / 6.0kW / 7.0kW / 8.0kW                 |
| DC Output        | 12V/8.3A                                      |
| Power Factor cos | 1 / 0.8                                       |
| Model            | KG186FA / KG190F / KG192F / KG195F            |
| Max. Output      | 10HP / 11HP / 12HP / 13HP/3600rpm             |
| Displacement     | 418cc / 476cc / 498cc / 531cc                 |
| Starting System  | Electric                                      |
| Type             | single cylinder vertical,4-stroke, oil-cooled |
| Fuel Tank        | 15L                                           |
| Oil Capacity     | 1.65L                                         |
| Dimension(LxWxH) | 950X560X730mm                                 |
| Gross Weight     | 154kg / 164kg / 169kg / 173kg                 |

## / KG10000DWE



## KG7000DWE / KG8000DWE / KG10000DWE / KG12000DWE

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| Alternator type                               | KDa-series                                   |
| Phase                                         | 3/1 (Equal power)                            |
| Max. output                                   | 8kVA / 9kVA / 11kVA / 12kVA                  |
| Rated output                                  | 7kVA / 8kVA / 10kVA / 11kVA                  |
| Power factor (cos φ)                          | 1                                            |
| Rated AC voltage                              | 400/230V                                     |
| Rated current                                 | 28.3 / 30.4 / 34.8 / 39.1                    |
| Frequency                                     | 50Hz                                         |
| Dc output)                                    | 12 V/ 8.3A                                   |
| Engine type                                   | Water cooling                                |
| Displacement                                  | 498cc / 531cc / 718cc / 762cc                |
| RPM                                           | 3000rpm                                      |
| Starting system                               | electrical start                             |
| Fuel grade                                    | 0#--10#                                      |
| Fuel tank capacity                            | 15L / 15L / 25L / 25L                        |
| Fuel tank refill consuming period @ 100% load | 8H / 8H / 10H / 9H                           |
| Water tank capacity                           | 3.5L / 3.5L / 3.5L / 3.5L                    |
| Lubricating oil volume                        | 1.65L                                        |
| Noise level(at 7m)                            | 66dB / 67dB / 69~71dB / 69~71dB              |
| AC overload protection                        | Fuseless Circuit Breaker                     |
| Dc protection                                 | No fuse overcurrent protector + fuse breaker |
| Low oil pressure protection                   | Mechanical sensor                            |
| Voltmeter                                     | Electronic display                           |
| Dimensions (L×W×H)                            | 1170×610×820mm / 1240×700×900mm              |
| Net weight                                    | 191kg / 237kg / 240kg / 246kg                |



## / KG11000LWE



## KG11000LWE / KG12000LWE

|                                                |                                              |
|------------------------------------------------|----------------------------------------------|
| Alternator type                                | KDa-series                                   |
| Phase                                          | 3/1 (Equal power)                            |
| Max. output                                    | 12kVA / 13kVA                                |
| Rated output                                   | 11kVA / 12kVA                                |
| Power factor (cos φ)                           | 1                                            |
| Rated AC voltage                               | 400/230V                                     |
| Rated current                                  | 34.8 / 39.1                                  |
| Frequency                                      | 50Hz                                         |
| Dc output)                                     | 12 V/ 8.3A                                   |
| Engine type                                    | Water cooling                                |
| Displacement                                   | 718cc / 762cc                                |
| RPM                                            | 3000rpm                                      |
| Starting system                                | electrical start                             |
| Fuel grade                                     | 0#--10#                                      |
| Fuel tank capacity                             | 25L                                          |
| Fuel tank refill consuming period @ 100% load  | 9H                                           |
| Water tank capacity                            | 30L                                          |
| water tank refill consuming period @ 100% load | 10H                                          |
| Lubricating oil volume                         | 1.65L                                        |
| Noise level(at 7m)                             | 85dB                                         |
| AC overload protection                         | Fuseless Circuit Breaker                     |
| Dc protection                                  | No fuse overcurrent protector + fuse breaker |
| Low water level protection                     | Mechanical sensor                            |
| Low oil pressure protection                    | Mechanical sensor                            |
| Voltmeter                                      | Electronic display                           |
| Dimensions (L×W×H)                             | 830×610×780mm                                |
| Net weight                                     | 147kg/ 150kg                                 |

## / KG15000LWE



## KG13000LWE / KG15000LWE / KG18000LWE

|                                                |                                              |
|------------------------------------------------|----------------------------------------------|
| Alternator type                                | KDa-series                                   |
| Phase                                          | 3/1                                          |
| Max. output                                    | 11kVA / 13kVA / 15kVA                        |
| Rated output                                   | 10kVA / 12kVA / 13kVA                        |
| Power factor (cos φ)                           | 1                                            |
| Rated AC voltage                               | 400/230V                                     |
| Rated current                                  | 28.3 / 30.4 / 34.8                           |
| Frequency                                      | 50Hz                                         |
| Dc output)                                     | 12 V/ 8.3A                                   |
| Engine type                                    | Water cooling                                |
| Displacement                                   | 794cc / 875cc / 997cc                        |
| RPM                                            | 3000rpm                                      |
| Starting system                                | electrical start                             |
| Fuel grade                                     | 0#--10#                                      |
| Fuel tank capacity                             | 25L                                          |
| Fuel tank refill consuming period @ 100% load  | 8H                                           |
| Water tank capacity                            | 26L                                          |
| water tank refill consuming period @ 100% load | 9H                                           |
| Lubricating oil volume                         | 3.8L                                         |
| Noise level(at 7m)                             | 86dB                                         |
| AC overload protection                         | Fuseless Circuit Breaker                     |
| Dc protection                                  | No fuse overcurrent protector + fuse breaker |
| Low water level protection                     | Mechanical sensor                            |
| Low oil pressure protection                    | Mechanical sensor                            |
| Voltmeter                                      | Electronic display                           |
| Dimensions (L×W×H)                             | 1050×650×860mm                               |
| Net weight                                     | 212kg / 220kg / 245kg                        |



## ( OPEN TYPE



| Model | Gensets power |      |         |      | Alternator | Powered by     | Engine prime power | Fuel consumption |     | Cylinder x Bore x Stroke |
|-------|---------------|------|---------|------|------------|----------------|--------------------|------------------|-----|--------------------------|
|       | Prime         |      | Standby |      |            |                |                    | 100% load        |     |                          |
|       | kW            | kVA  | kW      | kVA  |            |                |                    |                  |     |                          |
|       |               |      |         |      |            | 50Hz / 1500rpm | kW                 | g/kW.h           | L/h | Qty x mm x mm            |
| K10   | 7.2           | 9    | 8       | 10   | 164B       | 403D-11G       | 8                  | 252              | 2.4 | 3X77X81                  |
| K15   | 10.4          | 13   | 11.6    | 15   | 164C       | 403A-15G1      | 12                 | 248              | 3.5 | 3X84X90                  |
| K17   | 12            | 15   | 13.3    | 17   | 164D       | 403A-15G2      | 13                 | 250              | 3.8 | 3X84X90                  |
| K22   | 16            | 20   | 17.7    | 22   | 184ES      | 404D-22G1      | 18                 | 237              | 5.0 | 4X84X100                 |
| K30   | 22            | 28   | 24      | 30   | 184F       | 404D-22TG      | 25                 | 246              | 7.2 | 4X84X100                 |
| K71   | 52            | 65   | 57      | 71   | 224F       | 1104C-44TG1    | 58                 | 208              | 14  | 4X105X127                |
| K88   | 64            | 80   | 70      | 88   | 224G       | 1104C-44TG2    | 72                 | 208              | 18  | 4X105X127                |
| K110  | 80            | 100  | 90      | 113  | 274C       | 1104C-44TAG2   | 90                 | 205              | 22  | 4X105X127                |
| K150  | 108           | 135  | 120     | 150  | 274E       | 1106A-70TG1    | 117                | 207              | 28  | 6X105X135                |
| K165  | 120           | 150  | 132     | 165  | 274FS      | 1106A-70TAG2   | 130                | 203              | 31  | 6X105X135                |
| K200  | 144           | 180  | 160     | 200  | 274G       | 1106A-70TAG3   | 157                | 207              | 38  | 6X105X135                |
| K220  | 160           | 200  | 176     | 220  | 274H       | 1106A-70TAG4   | 174                | 213              | 44  | 6X105X135                |
| K33   | 24            | 30   | 26.4    | 33   | 184G       | 1103A-33G      | 28                 | 211              | 7   | 3X105X127                |
| K50   | 36            | 45   | 40      | 50   | 224C       | 1103A-33TG1    | 41                 | 215              | 10  | 3X105X127                |
| K66   | 48            | 60   | 53      | 66   | 224E       | 1103A-33TG2    | 54                 | 217              | 14  | 3X105X127                |
| K250  | 184           | 230  | 200     | 250  | 274J       | 1206A-E70TTAG2 | 204                | 197              | 47  | 6X105X135                |
| K275  | 200           | 250  | 220     | 275  | 274K       | 1206A-E70TTAG3 | 226                | 199              | 53  | 6X105X135                |
| K340  | 245           | 306  | 271     | 339  | 434D       | 1706A-E93TAG1  | 276                | 190              | 62  | 6X115X149                |
| K400  | 280           | 350  | 308     | 385  | 434E       | 1706A-E93TAG2  | 311                | 190              | 70  | 6X115X149                |
| K450  | 320           | 400  | 360     | 450  | 434F       | 2206C-E13TAG3  | 349                | 206              | 85  | 6X130X157                |
| K500  | 364           | 455  | 400     | 500  | 534C       | 2506C-E15TAG1  | 396                | 216              | 101 | 6X137X171                |
| K550  | 400           | 500  | 440     | 550  | 534D       | 2506C-E15TAG2  | 435                | 211              | 108 | 6X137X171                |
| K650  | 480           | 600  | 520     | 650  | 534E       | 2806C-E18TAG1A | 522                | 214              | 131 | 6X145X183                |
| K700  | 520           | 650  | 560     | 700  | 534F       | 2806A-E18TAG2  | 565                | 198              | 132 | 6X145X183                |
| K825  | 600           | 750  | 660     | 825  | 634B       | 4006-23TAG2A   | 632                | 202              | 150 | 6X160X190                |
| K900  | 640           | 800  | 720     | 900  | 634C       | 4006-23TAG3A   | 679                | 210              | 168 | 6X160X190                |
| K1125 | 818           | 1023 | 900     | 1125 | 634E       | 4008TAG2       | 861                | 208              | 211 | 8X160X190                |
| K1250 | 900           | 1125 | 1000    | 1250 | 634F       | 4008-30TAG3    | 947                | 206              | 230 | 8X160X190                |
| K1400 | 1000          | 1250 | 1100    | 1375 | 634G       | 4012-46TWG2A   | 1055               | 212              | 263 | 12X160X190               |
| K1650 | 1200          | 1500 | 1320    | 1650 | 734C       | 4012-46TAG2A   | 1267               | 200              | 298 | 12X160X190               |
| K1875 | 1350          | 1688 | 1500    | 1875 | 734D       | 4012-46TAG3A   | 1440               | 208              | 352 | 12X160X190               |
| K2000 | 1480          | 1850 | 1600    | 2000 | 734E       | 4016TAG1A      | 1558               | 194              | 356 | 16X160X190               |
| K2250 | 1600          | 2000 | 1800    | 2250 | 734F       | 4016TAG2A      | 1684               | 197              | 390 | 16X160X190               |
| K2500 | 1800          | 2250 | 2000    | 2500 | 734G       | 4016-61TRG3    | 1875               | 205              | 452 | 16X160X190               |

## ( SILENT TYPE



| Capacity |             |           | Open Type        |        |       | Silent Type      |        |       |
|----------|-------------|-----------|------------------|--------|-------|------------------|--------|-------|
| Coolant  | Lubrication | Fuel tank | Size (L x W x H) | Weight | Price | Size (L x W x H) | Weight | Price |
| L        |             |           | mm               | kg     |       | mm               | kg     |       |
| 5.2      | 4.9         | 21        | 1300X700X1100    | 374    |       | 1700X850X1120    | 594    |       |
| 6        | 6           | 30        | 1300X700X1100    | 440    |       | 1700X850X1120    | 603    |       |
| 6        | 6           | 40        | 1300X700X1100    | 450    |       | 1700X850X1120    | 609    |       |
| 7        | 10.6        | 42        | 1350X700X1100    | 500    |       | 1950X900X1150    | 722    |       |
| 9.3      | 10.6        | 57        | 1350X700X1100    | 530    |       | 2000X950X1250    | 767    |       |
| 13       | 7           | 118       | 1750X760X1250    | 950    |       | 2300X950X1450    | 1268   |       |
| 13       | 7           | 141       | 2000X900X1500    | 1000   |       | 2500X1100X1450   | 1357   |       |
| 12.6     | 8           | 181       | 2100X900X1550    | 1100   |       | 2600X1100X1450   | 1460   |       |
| 21       | 14.9        | 228       | 2400X980X1650    | 1430   |       | 2900X1100X1600   | 1922   |       |
| 21       | 14.9        | 267       | 2500X980X1650    | 1520   |       | 3000X1100X1700   | 1977   |       |
| 21       | 14.9        | 333       | 2500X980X1650    | 1610   |       | 3200X1100X1800   | 2092   |       |
| 21       | 14.9        | 366       | 2550X980X1650    | 1700   |       | 3400X1100X1800   | 2177   |       |
| 10.2     | 7.9         | 57        | 1600X760X1250    | 740    |       | 2100X950X1200    | 984    |       |
| 10.2     | 7.9         | 86        | 1650X760X1250    | 820    |       | 2250X1000X1300   | 1102   |       |
| 10.2     | 7.9         | 111       | 1750X760X1250    | 870    |       | 2250X1000X1300   | 1150   |       |
| 25       | 16          | 408       | 2700X1100X1700   | 2100   |       | 3900X1600X2200   | 3390   |       |
| 25       | 16          | 456       | 2700X1100X1700   | 2150   |       | 3900X1600X2200   | 3436   |       |
| 36       | 30          | 496       | 2800X1100X1700   | 2400   |       | 3900X1600X2200   | 3703   |       |
| 36       | 30          | 560       | 2800X1100X1700   | 2480   |       | 3900X1600X2200   | 4078   |       |
| 51       | 30          | 680       | 3450X1100X1800   | 3000   |       | 4200X1600X2200   | 4528   |       |
| 58       | 40          | 792       | 3450X1100X1900   | 3500   |       | 4500X1800X2200   | 5063   |       |
| 58       | 62          | 848       | 3450X1100X1900   | 3550   |       | 4500X1800X2200   | 5063   |       |
| 61       | 53          | 944       | 3550X1200X1900   | 4150   |       | 4800X1800X2200   | 5948   |       |
| 61       | 53          | 1000      | 3650X1200X1900   | 4200   |       | 4800X1800X2200   | 6098   |       |
| 105      | 113         | 1240      | 4100X1600X2200   | 5000   |       | 5400X2200X2550   | 7158   |       |
| 105      | 113         | 1376      | 4100X1600X2200   | 5100   |       | 5400X2200X2550   | 7224   |       |
| 143      | 165         | N/A       | 4580X1600X2200   | 7100   |       | 5800X2200X2550   | 9566   |       |
| 140      | 153         | N/A       | 4580X1600X2200   | 7500   |       | 5800X2200X2550   | 9923   |       |
| 201      | 177         | N/A       | 5000X2100X2400   | 8900   |       | ISO 40HQ         | 16900  |       |
| 201      | 177         | N/A       | 5200X2100X2400   | 7500   |       | ISO 40HQ         | 15500  |       |
| 201      | 177         | N/A       | 5200X2100X2400   | 7800   |       | ISO 40HQ         | 15800  |       |
| 215      | 237         | N/A       | 5400X2150X2500   | 10300  |       | ISO 40HQ         | 18300  |       |
| 252      | 237         | N/A       | 5600X2150X2500   | 10700  |       | ISO 40HQ         | 18700  |       |
| 270      | 237         | N/A       | 5600X2150X2500   | 10800  |       | ISO 40HQ         | 18800  |       |



## / KG-W180AG



## KG-W180AG / KG-W220AG

|                             |                                    |
|-----------------------------|------------------------------------|
| Rated Output                | 5800W / 6700W                      |
| Rated Current               | 180A / 220A                        |
| Rated Voltage               | 22-32V                             |
| Welding Current Range       | 50-210A / 70-250A                  |
| Continuous working          | S1                                 |
| Applicable Electrode(Φ)     | 1.6-4.0 / 2.5-4                    |
| Phase                       | Single Phase                       |
| Frequency                   | 50Hz                               |
| Rated Output                | 2800~3000W / 3000~3300W            |
| Rated Voltage               | 220V                               |
| Power Factor cos            | 1                                  |
| Voltage Regulation          | Automatic Voltage Regulator        |
| Model                       | KG190F / KG192F                    |
| Type                        | Force air-cooled, 4stroke, OHV     |
| Displacement                | 420cc / 460cc                      |
| Max. Output                 | 15HP / 17HP                        |
| Fuel                        | Regular Automobile Gasoline        |
| Fuel Tank Capacity          | 25L                                |
| Lubricating Oil Capacity    | 1.1L                               |
| Starting System             | Recoil Starter or Electric Starter |
| Noise Level(7m)             | 75dB / 78dB                        |
| Dimension(LXWXH)            | 700*530*560mm                      |
| Dry Weight                  | 96kg / 102kg                       |
| Oil Sensor                  | Include                            |
| Fuel Gauge                  | Include                            |
| Ampere Adjuster             | Include                            |
| Automatic Voltage Regulator | Include                            |
| AC Circuit Breaker          | Include                            |
| Automatic Down Device       | Include                            |
| Upper Frame                 | Include                            |
| Electric Starter            | Include                            |
| Oil Sensor Lamp             | Include                            |
| AC Plug                     | Include                            |
| 4-wheel Dolly Kit           | Include                            |
| Hanger Kit                  | Include                            |
| Battery Tray Kit            | Include                            |

## / KG160A-1KW



## KG200A-1KW / KG300A-4.7KW

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Max. AC output                   | 1.5kW/5.0kW                                         |
| Cont. AC output                  | 1.0 kW/4.7kW                                        |
| Voltage                          | 220V                                                |
| MAX Welding Current DC           | 130A/160A                                           |
| Welding Current Adjustment Range | 50-130A/50-160A                                     |
| Electrodes Diameter φ            | 2.0-3.2MM/2.0-4.0MM                                 |
| Alternator Model                 | DC130/DC&AC160-4.7                                  |
| Alternator Type                  | Single phase, Permanent magnet alternator           |
| Insulation Class                 | F                                                   |
| Welding cables                   | 10 meters                                           |
| welding clamp                    | 1pc welding clamp, 1pc group clamp                  |
| Engine Model                     | 170FB/KG172FAB                                      |
| Engine Type                      | Single-cylinder, 4-stroke, air-cooled petrol engine |
| Bore x Stroke                    | 70 x 56/72 x 58mm                                   |
| Displacement                     | 216cc/236cc                                         |
| Engine Speed                     | 3800rpm                                             |
| Starting System                  | Recoil start                                        |
| Lubrication Oil Volume           | 0.65L                                               |
| Fuel Type                        | Petrol                                              |
| Lubrication Oil Type             | SAE 10W/30                                          |
| Low Oil Pressure Alarm System    | With                                                |
| Cooling System                   | Forced-air cooling                                  |
| Structure Type                   | Open Frame                                          |
| Output Socket                    | 220V DC/ 220V AC                                    |
| Fuel Tank Capacity               | 3.6L                                                |
| ground terminal                  | YES                                                 |
| Noise Level @ 7m dB              | 78dB                                                |
| Net Weight                       | 24kg/29kg                                           |
| Dimension(LXWXH)                 | 450*380*470mm                                       |

## ( KG-W180AD



## KG-W180AD / KG-W220AD

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Rated Output                | 5500W / 6800W                                        |
| Rated Current               | 180A / 220A                                          |
| Rated Voltage               | 22-38V                                               |
| Welding Current Range       | 50-210A / 70-250A                                    |
| Continuous working          | S1                                                   |
| Applicable Electrode(Φ)     | 1.6-4.0 / 2.5-4.0                                    |
| Phase                       | Single Phase                                         |
| Frequency                   | 50Hz                                                 |
| Rated Output                | 2800~3000W / 3000~3300W                              |
| Rated Voltage               | 220V                                                 |
| Power Factor cos            | 1                                                    |
| Voltage Regulation          | Automatic Voltage Regulator                          |
| Model                       | KG190F / KG192F                                      |
| Type                        | Single-cylinder Vertical Air-cooled Direct-injection |
| Displacement                | 476cc / 498cc                                        |
| Max. Output                 | 11HP / 15HP                                          |
| Fuel                        | Regular Automobile Gasoline                          |
| Fuel Tank Capacity          | 15L                                                  |
| Lubricating Oil Capacity    | 1.65L                                                |
| Starting System             | Recoil Starter or Electric Starter                   |
| Noise Level(7m)             | 83dB / 86dB                                          |
| Dimension(LXWXH)            | 710*490*630mm                                        |
| DryWeight                   | 125kg / 128kg                                        |
| Oil Sensor                  | Include                                              |
| Fuel Gauge                  | Include                                              |
| Ampere Adjuster             | Include                                              |
| Automatic Voltage Regulator | Include                                              |
| AC Circuit Breaker          | Include                                              |
| Auto.dle DownDevice         | Include                                              |
| Upper Frame                 | Include                                              |
| Electric Starter            | Include                                              |
| Oil Sensor Lamp             | Include                                              |
| AC Plug                     | Include                                              |
| 4-wheel Dolly Kit           | Include                                              |
| Hanger Kit                  | Include                                              |
| Battery Tray Kit            | Include                                              |

## ( KG-W180AD-S



## KG-W180AD-S / KG-W220AD-S

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Rated Output                | 5500W / 6800W                                        |
| Rated Current               | 180A / 220A                                          |
| Rated Voltage               | 22-38V                                               |
| Welding Current Range       | 50-210A / 70-250A                                    |
| Continuous working          | S1                                                   |
| Applicable Electrode(Φ)     | 1.6-4.0 / 2.5-4.0                                    |
| Phase                       | Single Phase                                         |
| Frequency                   | 50Hz                                                 |
| Rated Output                | 2800~3000W / 3000~3300W                              |
| Rated Voltage               | 220V                                                 |
| Power Factor cos            | 1                                                    |
| Voltage Regulation          | Automatic Voltage Regulator                          |
| Model                       | KG190F / KG192F                                      |
| Type                        | Single-cylinder Vertical Air-cooled Direct-injection |
| Displacement                | 476cc / 498cc                                        |
| Max. Output                 | 11HP / 15HP                                          |
| Fuel                        | Regular Automobile Gasoline                          |
| Fuel Tank Capacity          | 15L                                                  |
| Lubricating Oil Capacity    | 1.65L                                                |
| Starting System             | Recoil Starter or Electric Starter                   |
| Dimension(LXWXH)            | 940*540*730mm                                        |
| DryWeight                   | 156kg / 161kg                                        |
| Oil Sensor                  | Include                                              |
| Fuel Gauge                  | Include                                              |
| Ampere Adjuster             | Include                                              |
| Automatic Voltage Regulator | Include                                              |
| AC Circuit Breaker          | Include                                              |
| Auto.dle DownDevice         | Include                                              |
| Upper Frame                 | Include                                              |
| Electric Starter            | Include                                              |
| Oil Sensor Lamp             | Include                                              |
| AC Plug                     | Include                                              |
| 4-wheel Dolly Kit           | Include                                              |
| Hanger Kit                  | Include                                              |
| Battery Tray Kit            | Include                                              |



## / KG-170T



Iron wheel



Paddy field wheel



Weeding wheel



Deep hoe



Round blade



3-blade anti-binded



4-3 dry land blade



Double iron wheel



Ridging blade

## KG-170T / KG-177T / KG-188T

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Engine Model      | 170F(7HP) / 177(9HP) / 188F(13HP)               |
| Engine Type       | 1-cylinder, 4-stroke, air-cooled                |
| Power             | 4.2kw / 5.4kw / 8.2kw                           |
| Speed             | 3600r/min                                       |
| Starting mode     | Recoil/Electrical                               |
| Fule volume       | 3.6L / 5.6L / 5.6L                              |
| Oil capacity      | 0.65L / 1.1L / 1.1L                             |
| Clutsh style      | Plate Cultch                                    |
| Typeof drive      | Gear Drive                                      |
| Gear shifting     | 201R                                            |
| Cultivation width | 60-110cm / 70-110cm / 70-110cm                  |
| Cultivation depth | 10-25cm                                         |
| Task speed        | 1-1.6km/h                                       |
| Productivity      | 0.035-0.08hm2/h / 0.05-0.1hm2/h / 0.05-0.1hm2/h |
| Oil consumption   | 12-15kg/hm2 / 10-15kg/hm2 / 10-15kg/hm2         |
| N.W.              | 80kg / 105kg / 115kg                            |
| G.W.              | 85kg / 110kg / 120kg                            |
| MEAS.             | 84x51x63cm / 91x56x84cm / 91x56x84cm            |

## / KG-173T



Furrower



Simple ditch



Two-side plough



Roller



Potato ditching blade



Single-side plough



Swivel plough



Adjustable single-side plough

## KG-173T / KG-178T / KG-186T

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Engine Model      | 173F(7HP) / 178(9HP) / 186F(13HP)               |
| Engine Type       | 1-cylinder, 4-stroke, air-cooled                |
| Power             | 4.2kw / 5.4kw / 8.2kw                           |
| Speed             | 3600r/min                                       |
| Starting mode     | Recoil/Electrical                               |
| Fule volume       | 3.6L / 5.6L / 5.6L                              |
| Oil capacity      | 0.65L / 1.1L / 1.1L                             |
| Clutsh style      | Plate Cultch                                    |
| Typeof drive      | Gear Drive                                      |
| Gear shifting     | 201R                                            |
| Cultivation width | 60-110cm / 70-110cm / 70-110cm                  |
| Cultivation depth | 10-25cm                                         |
| Task speed        | 1-1.6km/h                                       |
| Productivity      | 0.035-0.08hm2/h / 0.05-0.1hm2/h / 0.05-0.1hm2/h |
| Oil consumption   | 12-15kg/hm2 / 10-15kg/hm2 / 10-15kg/hm2         |
| N.W.              | 80kg / 105kg / 115kg                            |
| G.W.              | 85kg / 110kg / 120kg                            |
| MEAS.             | 84x51x63cm / 91x56x84cm / 91x56x84cm            |

## / KG170A



## KG170A

|                  |                        |
|------------------|------------------------|
| Pressure         | 150-170Bar/220-2500PSI |
| Max Flow         | 9LPM/2.4GPM            |
| Power            | 7.0HP / 212cc          |
| Speed            | 3400RPM                |
| Start            | Recoil Start           |
| Pump modle       | KP170                  |
| Pump head        | Aluminum               |
| Gross weight(kg) | 30                     |
| Size(LxWxH)(mm)  | 560x475x535            |

## KG180A

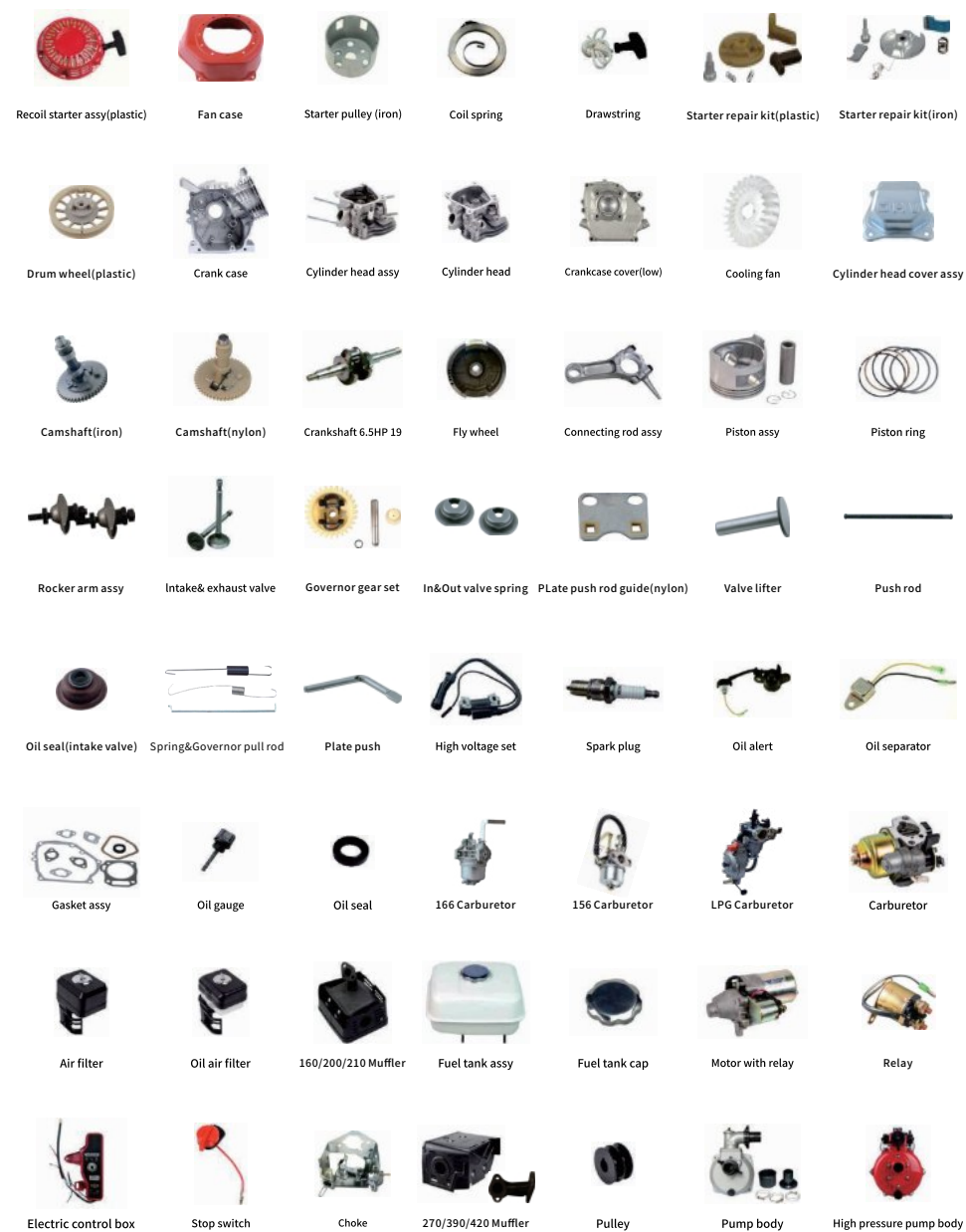
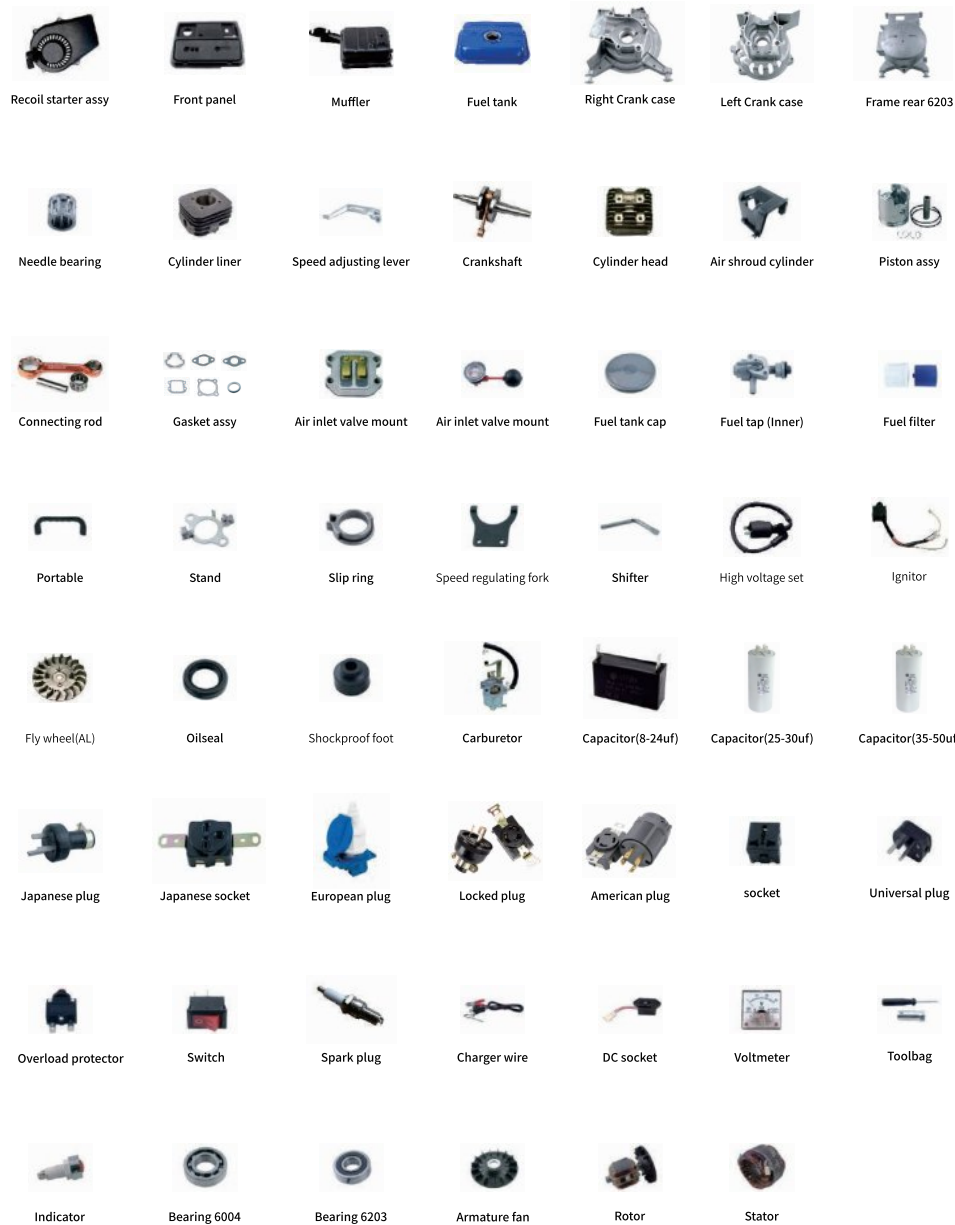
|                  |                         |
|------------------|-------------------------|
| Pressure         | 180*200Bar/2600-2900PSI |
| Max Flow         | 9LPM/2.4GPM             |
| Power            | 7.0HP / 212cc           |
| Speed            | 3400RPM                 |
| Start            | Recoil Start            |
| Pump modle       | KP180                   |
| Pump head        | Aluminum / Brass        |
| Gross weight(kg) | 31.5                    |
| Size(LxWxH)(mm)  | 560x475x535             |

## / KGH1000 Digital type



## KGH500 / KGH1000 / KGH2000

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| Battery type           | Lithium battery                                                                    |
| Battery capacity       | 400Wh / 800Wh / 2200Wh                                                             |
| Battery capacity       | 104000mAh / 208000mAh / 480000mAh                                                  |
| Battery voltage        | 16.8V                                                                              |
| Cycle life             | 1000 times                                                                         |
| BMS protect            | Over-voltage, under-voltage, over-current, high and low temperature, short circuit |
| Output voltage         | 100-240V (According to the power standard of each country or region)               |
| Output frequency       | 50Hz-60Hz (According to the power standard of each country or region)              |
| Max output             | 500W / 1000W / 2000W                                                               |
| Rated output           | 450W / 900W / 1800W                                                                |
| Output waveform        | Sine wave                                                                          |
| Conversion efficiency  | 70% @ load :>90%                                                                   |
| Cigarette lighter port | DC 12-16.8V, over 150W or 7A overload protection                                   |
| Output voltage         | 14.8-16.8V                                                                         |
| Max.starting current   | 2.27A4.5A9A                                                                        |
| USB                    | QC3.0 5V=3.6A 9V=2.5A 12V=2A, 24W(MAX)                                             |
| Type-C                 | PD3.0 5V=3.6A 9V=2.5A 12V=2A, 24W(MAX)                                             |
| Output voltage         | 5V=1A 9V=1.12A 9V=1.66A, 15W(MAX)                                                  |
| Standard               | Qi Standard                                                                        |
| Adapter charging       | 16.8V5A about 6h / 16.8V5A about 12h / 16.8V5A about 12h                           |
| Fast charging*         | 16.8V10A about 3h / 16.8V10A about 5h / 16.8V20A about 6h                          |
| Solar Charging*        | 16.8V5A about 6h / 16.8V5A about 12h / 16.8V5A about 12h                           |
| Quiescent Current      | <100uA                                                                             |
| Charging temperature   | 0~40°C                                                                             |
| Working temperature    | -20~40°C                                                                           |
| Storage temperature    | -20~40°C                                                                           |
| Net weight             | 4.6 Kg / 7.5 Kg / 14Kg                                                             |
| Gross weight           | 5.6 Kg / 8.5 Kg / 15Kg                                                             |
| Product Size (mm)      | 171x171x195 / 171x171x265 / 171x171x195                                            |
| Packing Size (mm)      | 230x230x285 / 230x230x355 / 230x230x285                                            |





## 900W-1300W Generator spare parts



Recoil starter assy    Crank case    Cylinder liner    Connecting rod    Crankshaft    Muffler    Fuel tank



Ignitor    Air filter    Rotor    Stator    Capacitor(8-24uf)    Rear cover    Armature fan

## 1800W-8500W Generator spare parts



166 Crank case    166 Cylinder head    Armature seat    Crank case cover(high)    Crank case cover(low)    Crankshaft    Balance shaft



Carburetor    LPG Carburetor(1.8-3.5kw)    LPG Carburetor(4-8.5kw)    AVR (AL) (1.8-3.5kw)    AVR (Plastic) (1.8-3.5kw)    AVR(Plastic) (4-8.5kw)    AVR(3-phase) (4-8.5kw)



AVR(AL) (4-8.5kw)    Shockproof foot (1.8-3.5kw)    Shockproof foot (4-8.5kw)    Bearing    Carbon brush(Black)    Carbon brush(Cream)    Air filter



Circuit breaker    Fuel tank assy    Fuel meter    Fuel tap    Voltmeter    Lock & key    Switch



Panel assy    Generator muffler    Muffler    Generator muffler    Armature fan(1.8kw-3.5kw)    Armature fan AL (4kw-8.5kw)    Rear cover



Slip ring    Terminal    Rotor    Stator    Rotor    Stator    Battery



Recoil starter assy    Fan case    Starter pulley    Crank case    Cylinder head    Cylinder cover    Crankcase cover(low)



Armature seat    Front cover    Balance shaft    Camshaft assy    Crankshaft    Valve spring    Push rod



Needle bearing    Connecting rod    Connecting rod assy    Piston assy    Piston ring    Intake & exhaust valve    Rocker arm assy



Main bearing    Protect cap    Solenoid pump    Manual injection pump    Fuel injector assy(long)    Fuel injector assy(short)    Oil alert



Speed control seat    Fuel tap    High-pressure tubing    Voltage stabilizer    Fly wheel    Fly wheel generator    Coil



Oil filter    Voltmeter    Gasket assy    Shockproof foot    Lock & key    AVR(1-phase)    AVR(3-phase)



Oil gauge set    Diesel filter element(silence)    Diesel filter element(open)    Wood filter assy    Oil filter    Filter    Air filter



Air filter    Muffler    Corrugated pipe    Silent Muffler    Motor with relay    Relay    Battery