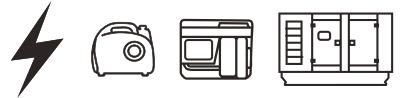


iTC Power

empower your business



www.itcpower.com

CATALOG 2018





A GLOBAL COMPANY

About ITCPOWER

ITCPower group is a company specialized in the development, manufacturing, importing and distribution for Generating Sets up to 500 KVA, Engines, Water pumps and spares both petrol and high pressure whasers both gasoline and diesel powered.

Our facilities with 120 people and 20,000 square meters allow us to produce more than 100,000 units per year.

ITC POWER has developed a wide range of generators and water pumps in order to cover all the needs of professionals and consumers. The firm was founded in Europe in 2001 by two partners with extensive experience in international markets for machinery, generators and water pumps.

ITC POWER is present in 5 continents and more than 50 countries over Europe, America, Oceania and Africa as our main markets.

- Trustworthy:

Integrity is our purpose. Oriented to the client we recognize the existing cultural diversity in different in the different countries. Our goal is to provide the right machinery and service to meet the demand of our broad customer base. At ITCPOWER, our common saying is: "we endeavour to create the best value for customer"

- Quality: It is an important criterion in our operation as we carefully monitor and evaluate all product design, component purchase, product manufacturing, customer training and warranty management.

- Flexible: Our flexible management team at ITCPOWER responds quickly to our ever changing market.

We are constantly researching and evaluating new products, striving to satisfy new markets and offer the maximum in our products.

RESEARCH & DEVELOPMENT

ITCPower's commitment to our customer base and each new project undertaken is mainly driven to provide a significant advance in terms of improving productivity, reducing, maintenance, the increment of the life and the increase of the security operation of the user. ITCPOWER products are designed and built to extend the life expectancy of the product.



QUALITY CONTROL

Throughout the development cycle of ITCPOWER products, qualified engineers carefully monitor product performance, control customer concerns individually and record the entire search for future design improvements.

Secured ISO 9001 thus ensuring quality control during every production process.

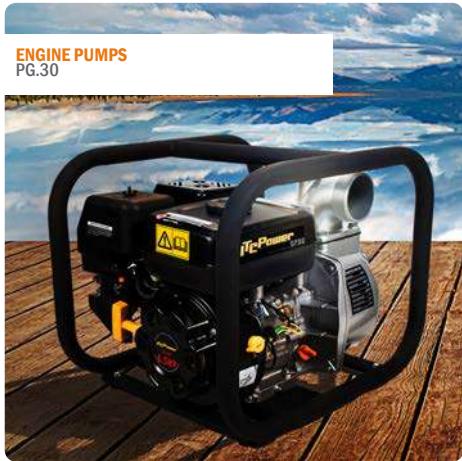
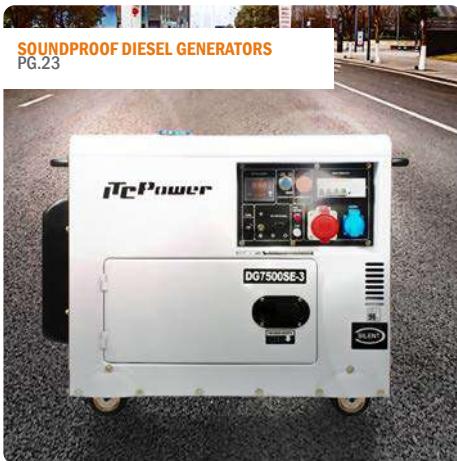
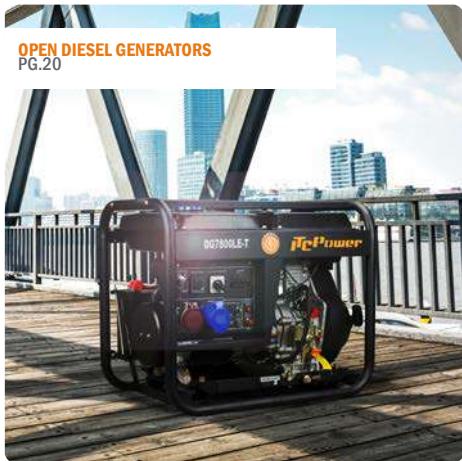
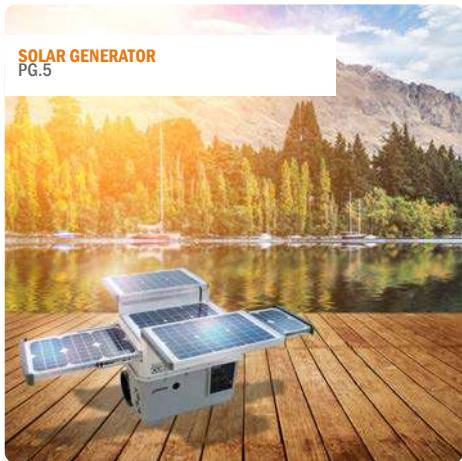
ITCPower guarantees the quality of the manufactured components of our own factory for the assembly of the final products.

ITCPower each products is bench tested prior to release.

HOW ITCPOWER DEVELOP A NEW PRODUCTS?



INDEX



3

HOW TO CHOOSE A GENERATOR?

An electric generator is a machine, designed for the production of electrical energy, composed of two fundamental parts: a mechanical engine (usually two or four-stroke gasoline or diesel) that is connected to an alternator, in which the mechanical energy, produced in the engine, is transformed into electrical energy through the alternator.

In this way, we will have electric power where we need it. From those places where there isn't connection to the network (camping, boats ...) to those where, for example, we want to maintain the supply in cases where there is a fall of the electrical network (blackouts).

Maintenance of an electric generator

What is an electric generator?

An electric generator is the tool that transforms mechanical energy through a magnetic field and converts the movement into electrical energy.

This transformation is achieved by the action of a magnetic field on electrical conductors arranged on an armature, also called stator, which has various parts: The stator, metal armor covered inside by copper wires, which form various circuits; and the rotor, internal part of the rotating stator driven by the turbine. Formed by an axis and circuits, which are transformed into electromagnets when a small amount of current is applied. When the rotor rotates at high speed, due to the mechanical energy applied to the turbines, currents are produced in the copper wires inside the stator.

These currents provide the generator with called electromotive force, capable of producing electric power to any system connected to it.

What generator I need?

To ensure the safety and proper functioning of electric generators, we must first respond to this other question: What kind of electronic devices or appliances can I connect to a generator?

When we choose an electric generator, the first thing we have to consider is the type of appliances what are we going to connect. If we want to connect any device equipped with electronic boards (TV, DVD, computers, HIFI equipment ...) we must bear in mind that these require stability in the voltage output that can't be guaranteed with traditional generators. Therefore, it is necessary to use generators equipped with voltage regulation or modulation systems, called AVR or Inverter generators.

On the contrary, if the intended use of the generator is only to connect resistance devices (light bulbs, radiators ...) or electric coil or induction motors (drill, washing machine, freezer ...) it is not necessary to resort to generators with voltage regulation and can use a conventional generator.

What is the difference between an AVR generator and an inverter?

Next, we detail the differences between these types of generators:

- AVR Generators: These are electric generators with automatic voltage regulator, indicated for the use of electronic devices. In this case the regulation of the voltage is carried out by means of a capacitor, offering a current stability with variations lower than 5%, sufficient for most electronic equipment.
- Inverter Generators: In general, we can consider that this type of generator meets three basic characteristics:
 - Modulation of the voltage carried out by means of an electronic board, with which a stability in the voltage is obtained with variations lower than 1% of the nominal voltage (comparable to the conventional electrical network).
 - The engine regime is adapted to the demand requested so that its energy consumption when it isn't being used is reduced to a minimum.
 - Noise level is lower than the average of others generators.
 - They are lighter and more compact machines than conventional generators, which makes them the optimal generators to use in a camping, outdoors ...

How calculate how much power do you need?

A generator has the function of giving electricity to a limited number of appliances and lights. To calculate the necessary power, we must add the total of all the systems that will depend on the generator, which will give us as a result the "constant power" that it needs, or the energy to keep those elements running.

ELECTRIC - RESISTANCE WATS

LED lamp	5-50W
Fluorescent lamp	40-100W
Radio	200W
TV	250W
Printer	350W
Computer	400W
Hair dryer	1000W
Clothes iron	1200W
Inductive machinery:	
Cement cutter	1320W
Arc welder-130a	3500W
Fridge	350W
Freezer	700W
Water washer 1hp	800W
Photocopier	1600W
Air compressor 2hp	1500W
Washing machine 1hp	750W
Air conditioner	1750W
Hand-held jig	1300W
Grinder	1300W
Computer	400W
Drill 13 mm	500/750W
Orbital sander	450W

HOW TO CHOOSE AN ELECTRICAL GENERATOR?

For the calculation of the necessary power, we must follow these steps:

-**Step 1:** Make a list of all the devices that you are going to connect to the generator and indicate to the side its consumption in Watts (you can find the exact consumption of each device on your energy consumption plate).

-**Step 2:** Then calculate, using the table above, the minimum power required by each of the devices you have detailed on your list.

The inductive machinery has higher starting peaks than the one marked on the consumption plate.

This peak being approximately 3 times the marked if the voltage is monophasic and approximately 2 times if it is three-phase.

Perform this calculation for the total sum of consumption.

-**Step 3:** Add the result of the necessary power of all the devices and you'll get the power in Watts that you will need for your equipment.

Once we have calculated the power needed to our generator, we can decide the type of fuel and the speed system that most fits our needs.

What other factors should I consider when I'm choosing a generator?

Among the types of generators that we can find, first, we distinguish between 1 and 3 phase.

1-Phase: Suitable for domestic use, they generate a single-phase 230V current, which is what domestic appliances use.

3-Phase: They generate a three-phase 400v current, used in specific equipment.

Engine: Between the electric generators we can choose between two types of motor, according to our needs.

- **2-stroke:** They are the generators that work with a mixture of gasoline and oil.

Ideally suited for lighting, they are the most economical option. On the contrary, their useful life is lower and they present a level of noise and vibrations superior to the 4-stroke generators.

- **4-stroke:** They provide more power than two-stroke with a lower level of noise and vibration.

In turn, the generators with 4-stroke engine are divided into two types:

Diesel Generators: Its operation through a 4-stroke diesel engine, has as advantages a longer life than gasoline generators, as well as lower consumption. On the contrary they are noisier and heavier than gasoline.

In turn, diesel generators can in turn be 3000 or 1500 revolutions per minute. Those of 1500 rpm are suitable for periods of uninterrupted operation.

The 4-stroke gasoline generators: They are characterized by a lower noise level than diesel and they are lighter. In addition, they have different times of autonomy, although they don't support an uninterrupted use. When we choose a diesel or gasoline electric generator, the first thing we should think about is the use we are going to give it, just like when we buy a car. In the case of continuous use, the optimum is to opt for a diesel generator, while if we only use it in short periods, gasoline is the most economical and cost-effective choice over diesel.

Advantages and disadvantages of diesel electric generators

- Lower consumption and longer engine life
- Greater autonomy (even without the need for an electrical network)
- More comfortable refueling
- Recommended for long periods of use and boats
- High noise and vibration level
- Higher cost

Advantages and disadvantages of gasoline electric generators

- Of 2 or 4 times (pistons), the first indicated for the use of lighting, while the second supports greater electrical load.
- Recommended for short periods (hours, days ...)
- Optimal for the particular use
- Low noise level
- Less weight than diesel
- Less expensive repairs
- Greater consumption

Noise level:

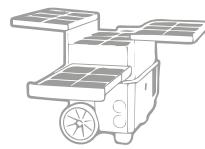
The noise produced by the electric generator is measured in decibels and depends mainly on the structure of the chassis, the type of engine and the grade of soundproofing. It is necessary to consider where, when and how long the generator will be used to choose one that provides sufficient acoustic comfort.

We must bear in mind that the noise level at 7 meters away, in small electric generators, reaches around 65 dB. Some types have a silencer, known as soundproof generators, which thanks to them, the noise decreases reaching approximately 55 dB.

A consideration that we must have before using this type of devices at a particular level, is when they are near homes.

Decibel scale with examples:

- 30 dB: reading room
- 50 dB: office
- 70 dB: traffic
- 90 dB: milling machine
- 110 dB: hydraulic hammer
- 130 dB: takeoff of an airplane



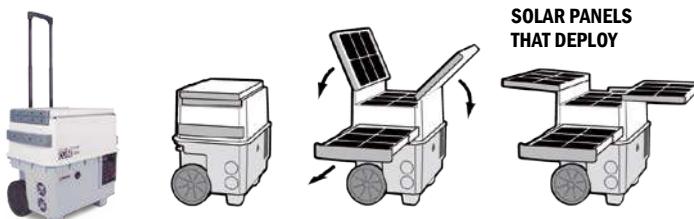
SOLAR GENERATOR
*Silent
*EcoFriendly

SOLAR CUBE 1500 PLUS

AC OUTPUT POWER	1500 W (3600 peak)	NO LOAD CURRENT	< 0,7 A
SOLAR PANEL MAX OUTPUT	5 X 16 W	LOW BATTERY ALARM (NOMINAL)	10,5 V ± 0,5 V
SOLAR PANEL TYPE	Monocrystalline	LOW BATTERY SHUTDOWN	9,5 ± 0,5 V
SOLAR PANEL EFFICIENCY	17%	TYPE OF INTERNAL BATTERY	Sealed AGM / Gel Hybrid
MAX OUTPUT REGULATOR	15 A	INTERNAL BATTERY CAPACITY	100 Ah
AC CURRENT CHARGER	100 - 240V CA, 50/60Hz	MAXIMUM LOAD CURRENT	15 A
	12 V CC 5A	THROUGH 12V DC PLUG	
MAX SOLAR PANEL ARRAY POWER	Expandable up 300 W	PLUG DC CIRCUIT SWITCH	15 A
AC OUTPUT VOLTAGE (NOMINAL)	230 V CA, 50 Hz ±4Hz	(INTERNAL AUTOMATIC RESET)	
AC OUTPUT WAVEFORM	Modified Sine wave	MAXIMUM CURRENT USB OUTPUT	2,1 A
STORAGE	32 - 104°F (0-40°C)		
MAXIMUM INVERTER EFFICIENCY	90%		

CHARGING TIMES

- Initial charge CA: 43 hours
- Charging time of the solar panel: 32 hours during peak sun hours



The Solar Cube is a fundamental source of energy. Charge the internal battery with solar panels that unfold and slide outwards. It can also be charged with an AC outlet at home or with the DC accessory socket on your vehicle. You can use USB devices or CC devices anywhere.

Additional batteries can be connected to achieve greater autonomy

SPECIFICATIONS

- Generator dimensions: 53x53x37 cm
- Box dimensions: 62,2x45,6x61,7 cm
- Solar Cube 1500 Plus: 53 Kg
- Warranty (excluding battery): 2 years



Solar Energy



Extend with solar panels



Extend with batteries



Includes chargers CA and CC



INVERTER
PETROL
GENERATOR

*Low consumption

*Silent

*Quality energy



GENERATORS SUITABLE FOR:

**CARAVAN
CAMPING
HOME
PEDDLING
TRADE SHOWS
MARKETS**



INVERTER
PETROL
GENERATORS



MODEL	GG10i	GG20i	GG35Ei	GG40Ei
RATED POWER	900 w	1600 w	2800 w	3600 w
MAX. POWER	1000 w	2000 w	3200 w	4000 w
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
VOLTAGE	230 v	230 v	230 v	230 v
INTENSITY	4,4 A	9 A	13,5 A	18 A
PLUGS	1 x 16A	1 x 16A	2 x 16A	2 x 16A
DISPLAY	hourmeter	hourmeter	hourmeter	hourmeter
BATTERY (AH)	-	-	Si	Si
FUEL CAPACITY	3,6 L	4,2 L	7,4 L	9 L
DC OUTPUT	12V / 5A	12V / 5A	12V / 5A	12V / 8,3A
CONSUMPTION TO 50% OF THE CHARGE	0,52 L/h	1 L/h	1 L/h	1,5 L/h
AUTONOMY AT 50% OF THE CHARGE	7 h	4 h	9,0 h	6,0 h
SOUND LEVEL AT 7 METERS (dBA)	58	59	59	65
MOTOR MODEL	144F	148F	170F	175F
MOTOR POWER (Kw/5500rpm)	1,3 Kw	2,35Kw	3,2 Kw	4,8 Kw
REVOLUTIONS (rpm)	Variable	Variable	Variable	Variable
SPEED REGULATION	Electric	Electric	Electric	Electric
START	Manual	Manual	Man / Elec	Man / Elec
DISPLACEMENT	50 cc	79 cc	208 cc	223 cc
OIL CAPACITY (L)	0,25 L	0,41 L	0,64 L	0,64 L
ALTERNATOR	Inverter	Inverter	Inverter	Inverter
RATED POWER	900 w	1600 w	2800 w	3600 w
POWER FACTOR (Cosφ)	1	1	1	1
VOLTAGE REGULATION	Digital	Digital	Digital	Digital
LOW OIL PRESSURE	YES	YES	YES	YES
LOW OIL LEVEL ALARM	YES	YES	YES	YES
OVERLOAD INDICATOR	YES	YES	YES	YES
EMERGENCY BUTTON	NO	NO	NO	NO
NET WEIGHT (Kg)	14	20	35	47
GROSS WEIGHT (Kg)	16	22	38	54
PRODUCT DIMENSIONS (mm)	476x271x425	507x286x450	565x400x435	605x442x487
BOX DIMENSIONS (mm.)	505x290x450	550x310x483	600x455x480	650x510x565

COMPATIBLE ACCESSORIES

*GG35Ei
*GG45Ei



REMOTE CONTROL



KIT GAS (LPG)



INVERTER
PETROL
GENERATORS

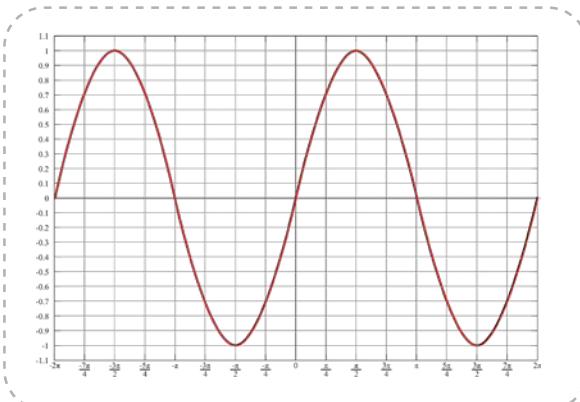
RECOMMENDED TO CONNECT:



SUITABLE FOR:



(< 500 w)



100% STABLE SINUSOIDAL CURVE

PETROL DEPOSIT

OPTION PARALEL CONNECTION



INVERTER PETROL GENERATOR GG35Ei



INVERTER
PETROL
GENERATOR

RECOMMENDED TO CONNECT:



MODEL	GG56EI
RATED POWER	5000 w
MAX. POWER	5200 w
FREQUENCY	50 Hz
VOLTAGE	230 v
INTENSITY	22 A
PLUGS	2 x 16A
DISPLAY	LCD
BATTERY (AH)	14 Ah
FUEL CAPACITY	13 L
DC OUTPUT	12V / 8.3A
CONSUMPTION TO 50% OF THE CHARGE	1,6 L/h
AUTONOMY AT 50% OF THE CHARGE	8 h
SOUND LEVEL AT 7 METERS (dBA)	65
MOTOR MODEL	188F
MOTOR POWER (hp)	13 hp
REVOLUTIONS (rpm)	Variable
SPEED REGULATION	Electronic

START	Electric
DISPLACEMENT	389 cc
OIL CAPACITY (L)	1,1 L
ALTERNATOR	Inverter
RATED POWER	5000 w
POWER FACTOR (Cosφ)	1
VOLTAGE REGULATION	Digital
LOW OIL PRESSURE	YES
LOW OIL LEVEL ALARM	YES
OVERLOAD INDICATOR	YES
EMERGENCY BUTTON	NO
NET WEIGHT (Kg)	75
GROSS WEIGHT (Kg)	85
PRODUCT DIMENSIONS (mm)	700x520x740
BOX DIMENSIONS (mm.)	750x570x800

ELECTRICAL START
ECONOMIZER



1-PHASE



PETROL



7METER SOUND LEVEL

65 dBA



5000W



75 KG



⚡ INVERTER PETROL GENERATOR GG56EI



PETROL
GENERATORS

*Power
*Versatility



GENERATORS SUITABLE FOR:

**BUILDING
INDUSTRIAL
FARMING**



PETROL
GENERATOR
HOME SERIES



MODEL	GG3000F	GG4000F/FE	GG5000F/FE	GG7000F/FE	GG9000F/FE
RATED POWER	2,5 Kw	3 Kw	4 Kw	5 Kw	6 Kw
MAX. POWER	2,8 Kw	3,3 Kw	4,5 Kw	5,5 Kw	6,5 Kw
FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
VOLTAGE	230 v	230 v	230 v	230 v	230 v
INTENSITY	10,9 A	13 A	17,4 A	21,7 A	26 A
PLUGS	EU 2 x 16A	2 x 16A	2 x 16A	2 x 16A	1x 16A / 1x 32A
DISPLAY	Analogic	Analogic	Analogic	Analogic	Analogic
BATTERY (AH)	-	-	-	-	-
FUEL CAPACITY	18L	18L	28L	28L	28L
DC OUTPUT	12V / 8,3A	12 V / 8,3A	12 V / 8,3A	12 V / 8,3A	12 V / 8,3A
CONSUMPTION TO 50% OF THE CHARGE	1,4 L/h	1 L/h	1,09 L/h	1,25 L/h	1,32 L/h
AUTONOMY AT 50% OF THE CHARGE	10,5 h	15 h	23 h	20 h	19 h
SOUND LEVEL AT 7 METERS (LBA)	92	94	95	95	96
MOTOR MODEL	IC200	IC220	IC340	IC390	IC420
MOTOR POWER	6,5 Hp	7,5 Hp	11 Hp	13 Hp	15 Hp
START	Manual	Manual/ Electric	Manual/ Electric	Manual/ Electric	Manual/ Electric
DISPLACEMENT	198 cc	212 cc	339 cc	389 cc	420 cc
OIL CAPACITY (L)	0,6 L	0,6 L	1,1 L	1,1 L	1,1 L
ALTERNATOR	A3F	A35F	A4F	A5F	A6F
RATED POWER	3 Kw	3,5 Kw	4 Kw	5 Kw	6 Kw
POWER FACTOR (Cosφ)	1	1	1	1	1
VOLTAGE REGULATION	AVR / Brush	AVR / Brush	AVR / Brush	AVR / Brush	AVR / Brush
LOW OIL PRESSURE	YES	YES	YES	YES	YES
LOW OIL LEVEL ALARM	YES	YES	YES	YES	YES
OVERLOAD INDICATOR	NO	YES	YES	YES	YES
EMERGENCY BUTTON	NO	NO	NO	NO	NO
NET WEIGHT (Kg)	42	46	71	76	78
GROSS WEIGHT (Kg)	44	49	73	78	80
PRODUCT DIMENSIONS (mm)	610x445x450	610x490x490	700x520x580	700x520x580	700x520x580
BOX DIMENSIONS (mm.)	610x445x470	640x510x510	700x530x590	700x530x590	700x530x590

COMPATIBLE ACCESSORIES

UNIVERSAL WHEEL KIT



KIT COMPOSED BY:





PETROL
GENERATORS
HOME SERIES

RECOMMENDED TO CONNECT:



Gasoline generator with OHV 4 stroke engine for domestic and industrial applications.
Large fuel tank for greater autonomy.
AVR voltage regulator for a more stable output current.
Oversized exhaust to reduce the noise level.
Oil alarm in the engine with automatic stop in case of lack of oil.
100% copper alternators

SUITABLE FOR:





PETROL
GENERATOR
RENTAL SERIES

LINZ
ELECTRIC
The Electric Generation



MODEL	GK4000	GK5500	GK8500	GK8500T	GK10000
RATED POWER	2,2 Kw	4,5 Kw	6 Kw	9Kva(400)/6Kva(230)	9 Kw
MAX. POWER	2,5 Kw	5 Kw	6,5 Kw	9,5Kva(400)/6,5Kva(200)	10 Kw
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
VOLTAGE	230 v	230 v	230 v	400/230 v	230 v
INTENSITY	9,6 A	19,5 A	26 A	13 A (400) / 28 A (230)	39 A
PLUGS	EU 2 x 16A	EU 2 x 16A	1x16 A + 1x32 A	1xPCE5p + 1x16A	EU 1 x 16A / 1x 32A
DISPLAY	-	-	-	-	-
BATTERY (AH)	-	-	-	-	YES
FUEL CAPACITY	3,6L	6,5L	6,5L	6,5L	10L
DC OUTPUT	-	-	-	-	-
SOUND LEVEL AT 7 METERS (dBA)	68	75	75	75	78
MOTOR MODEL	IC210	IC389	IC420	IC420	IC680E
MOTOR POWER	7 Hp	13 Hp	15 Hp	15 Hp	20 Hp
START	Manual	Manual	Manual	Manual	Electric
DISPLACEMENT	212 cc	389 cc	420 cc	420 cc	678 cc
OIL CAPACITY (L)	0,6 L	1,1 L	1,1 L	1,1 L	1,5 L
ALTERNATOR	Linz (SP10SD)	Linz (SP10MG)	Linz (E1C1ML)	Linz (E1S10MH)	Linz (E1C11MB)
POWER FACTOR (Cosφ)	0,8	0,8	0,8	0,8	0,8
VOLTAGE REGULATION	Condenser	Condenser	Condenser	Condenser	Condenser
NET WEIGHT (Kg)	38	58	75	75	118

COMPATIBLE ACCESSORIES

UNIVERSAL WHEEL KIT



KIT COMPOSED BY:





PETROL
GENERATORS
RENTAL SERIES

SUITABLE FOR:



Gasoline generator with OHV 4 stroke engine for domestic and industrial applications. With LINZ alternators, they give you more resistance than a ordinary generator, making them perfect for industrial applications.
With low oil level alarm that stops the motor automatically.
OHV Air cooled Engines.
Low maintenance and consumption.





PETROL
GENERATORS
PRO SERIES



MODEL	GG4100L	GG7000LE	GG9000LE	GG10000LE
RATED POWER	3,0 Kw	5,0 Kw	6,0 Kw	7,5 Kw
MAX. POWER	3,3 Kw	5,5 KW	6,6 Kw	8,0 Kw
FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz
VOLTAGE	230 v	230 v	230 v	230 v
INTENSITY	13,3 A	23 A	26 A	34 A
PLUGS	2x16A	2x16A	1x32A / 1x16A	1x32A / 1x16A
DISPLAY	LED5	LED5	LED5	LED5
BATTERY (AH)	-	14 AH	14 AH	14 AH
FUEL CAPACITY	15 L	25 L	25 L	25 L
DC OUTPUT	12V / 8,3A	12V / 8,3A	12V / 8,3A	12V / 8,3A
CONSUMPTION TO 50% OF THE CHARGE	1 L/h	1,25 L/h	1,32 L/h	1,8 L/h
AUTONOMY AT 50% OF THE CHARGE	15 h	20 h	19 h	14 h
SOUND LEVEL AT 7 METERS (dBA)	72	72	72	74
MOTOR MODEL	IC210	IC390	IC425	IC460
MOTOR POWER	7,5 Hp	13 Hp	15Hp	17 Hp
START	Manual	Electric / Manual	Electric / Manual	Electric / Manual
DISPLACEMENT	223 cc	389 cc	420 cc	460 cc
OIL CAPACITY (L)	0,6 L	1,1 L	1,1 L	1,1 L
ALTERNATOR	A35L	A5L	A6L	A78L
RATED POWER	3,5 Kw	5 Kw	6 Kw	7 Kw
POWER FACTOR (Cosφ)	1	1	1	1
VOLTAGE REGULATION	AVR / Brush	AVR / Brush	AVR / Brush	AVR / Brush
NET WEIGHT (Kg)	46	78	85	104
GROSS WEIGHT (Kg)	49	81	87	109
PRODUCT DIMENSIONS (mm)	610x490x490	670x540x555	670x540x555	700x540x555
BOX DIMENSIONS (mm.)	640x510x510	700x570x585	700x570x585	720x560x580

COMPATIBLE ACCESSORIES

UNIVERSAL WHEEL KIT



ATS BOX
10 kW (included 15 m cable)
Optional



ATS connector



PETROL
GENERATORS
PRO SERIES

RECOMMENDED TO CONNECT:



Gasoline generator with OHV 4 stroke engine for domestic and industrial applications.

Large fuel tank for greater autonomy.

AVR voltage regulator for a more stable output current.

Oversized exhaust to reduce the noise level.

Oil alarm in the engine with automatic stop in case of lack of oil.

APT TO:



LED5 DISPLAY 5 FUNCTIONS

- Overload protection
- Over/Low Voltage protection
- Over/low Frequency Protection
- Hourmeter
- Power Consumption

2 SHUKO SOCKETS

EARTH LEAKAGE BREAKER



1 - PHASE



PETROL



73 dBA



46
KG



PETROL
GENERATORS
PRO SERIES 3-PHASE



MODEL	GG9000LE-3	GG10000LE-3	GG10000LE-T
RATED POWER	7,5 / 2,2 Kva	9,4 / 3,2 Kva	9,4 Kva / 7,5 Kw
MAX. POWER	8,1 / 2,5 Kva	10 / 3,4 Kva	10 Kva / 8 Kw
FREQUENCY	50/60 Hz	50/60 Hz	50/60 Hz
VOLTAGE	400 / 230 v	400 / 230 v	400 / 230 v
INTENSITY	12 A	14,4 A	14 / 34 A
PLUGS	1x PCE 5p / 1x16A	1x PCE 5p / 1x16A	1x PCE 5p 16 / 1x32A
DISPLAY	LED5	LED5	LED5
BATTERY (AH)	14 AH	14 AH	14 AH
FUEL CAPACITY	25 L	25 L	25 L
DC OUTPUT	12V / 8,3A	12V / 8,3A	12V / 8,3A
CONSUMPTION TO 50% OF THE CHARGE	1,5 L/h	1,8 L/h	1,8 L/h
AUTONOMY AT 50% OF THE CHARGE	16 H	14 h	14 h
SOUND LEVEL AT 7 METERS (dBA)	70	79	79
MOTOR MODEL	IC425	IC460	IC460
MOTOR POWER	15 Hp	17 Hp	17Hp
START	Manual / Electric	Manual / Electric	Manual / Electric
DISPLACEMENT	420 cc	460 cc	460 cc
OIL CAPACITY (L)	1,1 L	1,1 L	1,1 L
ALTERNATOR	A6L-3	A75L-3	A75L-T
RATED POWER	7,5 Kva	7,5 Kva	9,4 Kva
POWER FACTOR (Cosφ)	0,8	0,8	0,8 / 1
VOLTAGE REGULATION	AVR / Brush	AVR / Brush	AVR / Brush
NET WEIGHT (Kg)	85	104	108
GROSS WEIGHT (Kg)	87	109	111
PRODUCT DIMENSIONS (mm)	670x540x555	700x540x555	700x540x555
BOX DIMENSIONS (mm.)	690x560x580	720x560x580	720x560x580

COMPATIBLE ACCESSORIES

UNIVERSAL WHEEL KIT



ATS BOX 10 Kw
(Included 15 m cable)
Optional



ATS connector



PETROL
GENERATORS
PRO SERIES 3-PHASE

RECOMMENDED TO CONNECT:



Gasoline generator with OHV 4 stroke engine for domestic and industrial applications.
Large fuel tank for greater autonomy.
AVR voltage regulator for a more stable output current.
Oversized exhaust to reduce the noise level.
Oil alarm in the engine with automatic stop in case of lack of oil.

APT TO:



1x PCE 5p 16A
1x 16 A

EARTH LEAKAGE BREAKER

LED5 DISPLAY 5 FUNCTIONS

- Overload protection
- Over/Low Voltage protection
- Over/low Frequency Protection
- Hourmeter
- Power Consumption



3 - PHASE



PETROL

1 METER SOUND LEVEL
79 dBA



9,4 Kva
104
KG



PETROL
GENERATORS
PRO SERIE

MODEL	GG12000LET
RATED POWER	11,3 kVA(400v)/9 Kw(230v)
MAX. POWER	12,5 kVA(400v)/10 Kw(230v)
FREQUENCY	50Hz
VOLTAGE	400 v / 230 v
INTENSITY	16,2 A / 39 A
PLUGS	1xPCE 5p /1x32A
DISPLAY	LED5
BATTERY (AH)	12 / 30Ah
FUEL CAPACITY	28L
DC OUTPUT	12V / 8,3A
CONSUMPTION TO 50% OF THE CHARGE	2,3 L/h
AUTONOMY AT 50% OF THE CHARGE	12h
SOUND LEVEL AT 7 METERS (dBA)	79

MOTOR MODEL	IC680E
MOTOR POWER	20 Hp
START	Eléctrico
DISPLACEMENT	678 cc
OIL CAPACITY (L)	1,5 L
ALTERNATOR	A10LT
RATED POWER	10 Kw
POWER FACTOR (Cosφ)	0,8 / 1
VOLTAGE REGULATION	AVR / Escobilla
NET WEIGHT (Kg)	164
GROSS WEIGHT (Kg)	182
PRODUCT DIMENSIONS (mm)	970x640x830
BOX DIMENSIONS (mm.)	1015x685x830

COMPATIBLE ACCESSORIES

ATS connector



Remote control
100 and
200 m



T10 programmer



ATS BOX
10 Kw
(included 15 m cable)
Optional



1 & 3 - PHASE



PETROL

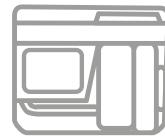
1 METER SOUND LEVEL
 79 dBA



164
KG



AUTOMATIC
START



OPENFRAME
DIESEL
GENERATOR

*Versatile
*Powerful
*Professional



GENERATORS SUITABLE FOR:

SOLAR SUPPORT
BUILDING
INDUSTRIAL
FARMS
AGRICULTURAL
DOMESTIC



OPENFRAME
DIESEL
GENERATOR



MODEL	DG2500LE	DG4000LE	DG6000LE	DG7500LE	DG7800LE
RATED POWER	2 Kw	2,8 Kw	5,0 Kw	5,5 Kw	6,0 Kw
MAX. POWER	2,2 Kw	3,0 Kw	5,5 Kw	6,0 Kw	6,5 Kw
FREQUENCY	50 / 60 Hz				
VOLTAGE	230 v				
INTENSITY	9,1 A	13,6 A	23,9 A	26,1 A	28,3 A
PLUGS	2 x 16A				
DISPLAY	LED5	LED5	LED5	LED5	LED5
BATTERY (AH)	12 v				
FUEL CAPACITY	11 L	14 L	14 L	14 L	14 L
DC OUTPUT	12V / 8.3A				
CONSUMPTION TO 50% OF THE CHARGE	10 h	8 h	13 h	13 h	13 h
AUTONOMY AT 50% OF THE CHARGE	77 dBA				
SOUND LEVEL AT 7 METERS (dBA)	D250E	D300E	D400E	D450E	D500E
MOTOR MODEL	5,5 HP	6 HP	10 HP	12 HP	13 HP
MOTOR POWER	3000	3000	3000	3000	3000
START	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric	Recoil/Electric
DISPLACEMENT	246 cc	296 cc	418 cc	452 cc	498 cc
OIL CAPACITY (L)	0,75 L	1,1 L	1.65 L	1.65 L	1.65 L
ALTERNATOR	A2L	A3L	A5L	A6L	A6L
RATED POWER	2 kVA	3 kVA	5 kVA	6 kVA	6 kVA
POWER FACTOR (Cosφ)	1	1	1	1	1
VOLTAGE REGULATION	Brush / AVR	Brush / AVR	AVR	AVR	AVR
NET WEIGHT (Kg)	66 Kg	79 Kg	114 Kg	116 Kg	116 Kg
GROSS WEIGHT (Kg)	69 Kg	83 Kg	118 Kg	120 Kg	120 Kg
PRODUCT DIMENSIONS (mm)	610x460x530	680x460x560	720x480x600	720x480x600	720x480x600
BOX DIMENSIONS (mm.)	630x480x550	700x480x580	740x500x645	740x500x645	740x500x645

COMPATIBLE ACCESSORIES

ATS connector



Remote
control
100 and
200 m



T10 programmer



ATS BOX
10 Kw
including
15m cable

UNIVERSAL WHEEL KIT



KIT COMPOSED BY:





OPENFRAME
DIESEL
GENERATORS

RECOMMENDED TO CONNECT:



Open-frame diesel generator with 4 stroke engine for domestic and industrial applications. Air cooled
Large fuel tank for greater autonomy.
AVR voltage regulator for a more stable output current.
Oversized exhaust to reduce the noise level.

APT TO:



1x 32 A
1x 16 A

ATS connection

EARTH LEAKAGE BREAKER

LED5 DISPLAY 5 FUNCTIONS
 - Overload protection
 - Over/Low Voltage protection
 - Over/low Frequency Protection
 - Hourmeter
 - Power Consumption



1 - PHASE



DIESEL

1 METER SOUND LEVEL
77 dBA



6,5 Kw
116 Kg



SOUNDPREOF
DIESEL
GENERATOR



MODEL	DG6000SE	DG7500SE	DG7800SE	DG7800SET	DG12000XSET
RATED POWER	5,0 Kw	5,5 Kw	6,0 Kw	7,5 kVA /6,0 Kw	11,4Kva/9Kw
MAX. POWER	5,3 Kw	6,0 Kw	6,3 Kw	7,9 kVA /6,3 Kw	12,5Kva/10Kw
FREQUENCY	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
VOLTAGE	230 v	230 v	230 v	400 v/230 v	400 v / 230 v
INTENSITY	23,9 A	28 A	28,3 A	14 A/28 A	18A/42 A
PLUGS	2 x 16A	1x 16A / 1x 32A	1x 16A / 1x 32A	1xPCESp/1x32A	1xPCE 5p/1x32A
DISPLAY	LED5	LED5	LED5	LED3	ComAp MRS10
BATTERY (AH)	36 Ah	36 Ah	12 v	36 Ah	45 Ah
FUEL CAPACITY	12 L	12 L	12 L	12 L	30L
DC OUTPUT	12V / 8.3A	12V / 8.3A	12V / 8.3A	12V / 8.3A	-
CONSUMPTION TO 50% OF THE CHARGE	11 h	10 h	13 h	10 h	10 h
AUTONOMY AT 50% OF THE CHARGE	72dBA	72dBA	77 dBA	72dBA	72dBA
SOUND LEVEL AT 7 METERS (dBA)	D400E	D450E	D500E	D500E	EV80
MOTOR MODEL	10 HP	13 HP	13 HP	13 HP	16 Hp
MOTOR POWER	3000	3000	3000	3000	3000
START	Electric	Electric	Electric	Electric	Electric
DISPLACEMENT	418 cc	452 cc	498 cc	498 cc	794 cc
OIL CAPACITY (L)	1,65 L	1,65 L	1,65 L	1,65 L	2,27 L
ALTERNATOR	A5S	A55S	A6L	A6ST	KTDS-10
RATED POWER	5 kVA	6 kVA	6 kVA	7,5 kVA	10 kVA
POWER FACTOR (Cosφ)	1	1	1	0,8 / 1	1
VOLTAGE REGULATION	AVR	AVR	AVR	AVR	AVR / Brush
NET WEIGHT (Kg)	152 Kg	152 Kg	152 Kg	152 Kg	318 Kg
GROSS WEIGHT (Kg)	168 Kg	168 Kg	168 Kg	168 Kg	360 Kg
PRODUCT DIMENSIONS (mm)	920x520x760	920x520x760	920x520x760	920x520x760	1360x650x980
BOX DIMENSIONS (mm.)	950x570x790	950x570x790	950x570x790	950x570x790	1410x700x1015

COMPATIBLE ACCESSORIES

ATS connector



Remote control
100 and
200 m



T10 programmer



ATS BOX
10 Kw including
15m cable



SOUNDPROOF
DIESEL
GENERATORS

RECOMMENDED TO CONNECT:



Soundproof diesel generator with 4 stroke engine for domestic and industrial applications. Air cooled
 Large fuel tank for greater autonomy.
 AVR voltage regulator for a more stable output current.
 Oversized exhaust to reduce the noise level.

APT TO:



1x 32 A
1x 16 A

EARTH LEAKAGE BREAKER

ATS connection

- LED5 DISPLAY 5 FUNCTIONS
- Overload protection
 - Over/Low Voltage protection
 - Over/low Frequency Protection
 - Hourmeter
 - Power Consumption



1 - PHASE

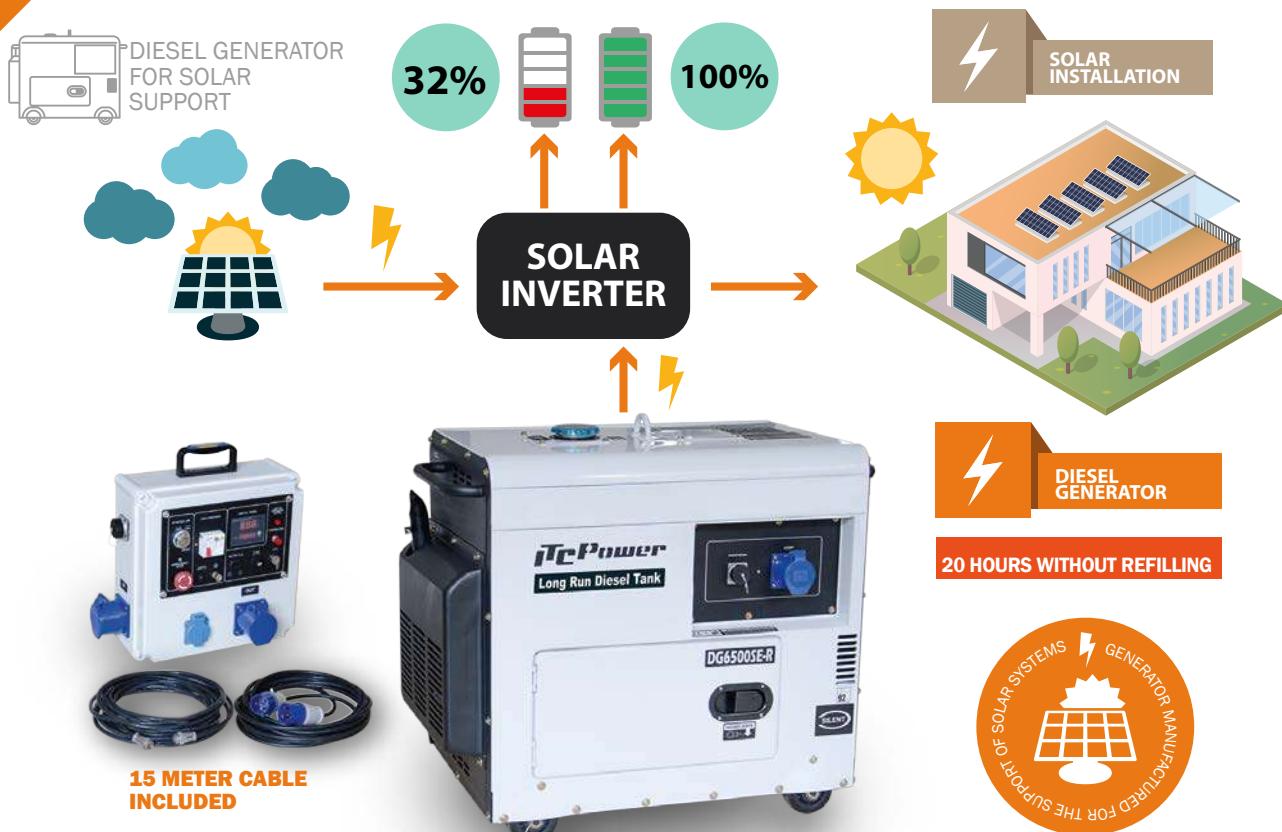


DIESEL

1 METER SOUND LEVEL
72 dBA



152
KG



MODEL	DG6500SE-LRS	DISPLACEMENT	418 cc
RATED POWER	5 Kw	OIL CAPACITY (L)	1,65 L
MAX. POWER	5,3 Kw	ALTERNATOR	A5-15
FREQUENCY	50 / 60 Hz	RATED POWER	5 Kva
VOLTAGE	230 v	POWER FACTOR (Cosφ)	1
PLUGS	1x16A /1x32A	VOLTAGE REGULATION	AVR / Escobilla
DISPLAY	LED5	NET WEIGHT (Kg)	160 Kg
BATTERY (AH)	30 Ah	GROSS WEIGHT (Kg)	166 Kg
FUEL CAPACITY	28L	PRODUCT DIMENSIONS (mm)	96 x 56 x 89 cm
DC OUTPUT	12 / 8.3 V/A	WEIGHT SECOND BOX	25 Kg
AUTONOMY AT 50% OF THE CHARGE	20h	BOX DIMENSIONS (mm.)	50 x 50 x 36 cm
SOUND LEVEL AT 7 METERS (dBA)	72		
MOTOR MODEL	D400E		
MOTOR POWER	10 Hp		
REVOLUTIONS	3000rpm		
START	Electric		

COMPATIBLE ACCESSORIES

ATS connector

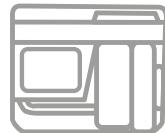


Remote control 100 and 200 m



T10 programmer

ATS BOX
10 Kw including
15m cable



DIESEL & PETROL
WELDER GENERATORS

*Professional
*industrial

WELDER GENERATORS FOR:

PROFESSIONALS
BUILDING
INDUSTRIAL

DGW190A

ITePower

VACIADO ACEITE



PETROL
WELDING GENERATOR

MODEL	GGW190AC
NOMINAL WELDING CURRENT (A)	0 - 190 A
GENERATOR NOMINAL POWER	2 kVA
MAX GENERATOR POWER	2.2 kVa
FREQUENCY	50 / 60 Hz
VOLTAGE	230 v
NOMINAL WELDING VOLTAGE (V)	12
DISPLAY	LED5
BATTERY (AH)	14
FUEL CAPACITY	25
SALIDA DC (V/A)	12 / 8.3
CONSUMPTION TO 50% OF THE CHARGE	22
SOUND LEVEL AT 7 METERS (dBA)	79
MOTOR MODEL	IC425
TYPE OF MOTOR	Petrol
MOTOR POWER (HP)	15Hp

START	Recoil / Electric
DISPLACEMENT	420 cc
OIL CAPACITY	1,1 L
ALTERNATOR	ALWI90
NOMINAL POWER	2 Kw
POWER FACTOR (Cosφ)	1
VOLTAGE REGULATION	AVR
NET WEIGHT (Kg)	95
GROSS WEIGHT (Kg)	98
PRODUCT DIMENSIONS (mm)	690x540x555
BOX DIMENSIONS (mm.)	710x560x580

COMPATIBLE ACCESSORIES



GGW190AC

WELDER GENERATOR



PETROL



SINGLE - PHASE



2.2 KW





DIESEL
WELDING GENERATOR

MODEL	DGW190AC
NOMINAL WELDING CURRENT (A)	0 - 190 A
GENERATOR NOMINAL POWER	1,8 kVA
MAX GENERATOR POWER	2 kVA
FREQUENCY	50Hz
VOLTAGE	230 v
NOMINAL WELDING VOLTAGE (V)	12
DISPLAY	LED5
BATTERY (AH)	36
FUEL CAPACITY	14
SALIDA DC (V/A)	12 / 8,3
CONSUMPTION TO 50% OF THE CHARGE	13 H
SOUND LEVEL AT 7 METERS (dBA)	79
MOTOR MODEL	D500E
TYPE OF MOTOR	Diesel
MOTOR POWER (HP)	13 Hp

START	Recoil / Electric
DISPLACEMENT	498 cc
OIL CAPACITY	1,65 L
ALTERNATOR	ALW190
NOMINAL POWER	2 Kw
POWER FACTOR (Cosφ)	1
VOLTAGE REGULATION	AVR
NET WEIGHT (Kg)	124
GROSS WEIGHT (Kg)	128
PRODUCT DIMENSIONS (mm)	720x480x600
BOX DIMENSIONS (mm.)	740x500x630

COMPATIBLE ACCESSORIES



DGW190AC

WELDING GENERATOR



DIESEL



SINGLE - PHASE



2 KW





DIESEL
WELDING GENERATOR
WITH LINZ ALTERNATORS



LINZ
ELECTRIC
The Electric Generation

MODEL	KW220DC	KW220DC-3
NOMINAL WELDING CURRENT (A)	220 A	220 A
GENERATOR NOMINAL POWER	5,0 kVa / 4,0 Kw	8,0 kVa / 6,4 Kw
MAX GENERATOR POWER	5,5 kVa / 4,4 Kw	8,8 kVa / 7,1 Kw
FREQUENCY	50 / 60 Hz	50 / 60 Hz
VOLTAGE	230	400
NOMINAL WELDING VOLTAGE (V)	21-29	21-29
DISPLAY	LED5	LED5
BATTERY (AH)	-	-
FUEL CAPACITY	6,5 L	6,5 L
SALIDA DC (V/A)	12V / 8.3A	12V / 8.3A
CONSUMPTION TO 50% OF THE CHARGE	6 h	6 h
SOUND LEVEL AT 7 METERS (dBA)	75 dBA	75 dBA
MOTOR MODEL	IC420	IC420
TYPE OF MOTOR	OHV 4 Strokes	OHV 4 Strokes
MOTOR POWER (HP)	15 Hp	15 Hp
START	Recoil	Recoil
DISPLACEMENT	420 cc	420 cc
OIL CAPACITY	1,1 L	1,1 L
ALTERNATOR	Linz (E2W10220MDC)	Linz (E2W10220DC)
NOMINAL POWER	5 kVA	8 kVA
POWER FACTOR (Cosφ)	0,8	0,8
VOLTAGE REGULATION	Brush / AVR	Brush / AVR
NET WEIGHT (Kg)	82 Kg	82 Kg
GROSS WEIGHT (Kg)	85 Kg	85 Kg
PRODUCT DIMENSIONS (mm)	640x545x545	640x545x545
BOX DIMENSIONS (mm.)	710x560x570	710x560x570

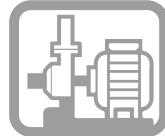
COMPATIBLE ACCESSORIES

WELDING KIT



UNIVERSAL WHEEL KIT





PETROL
& DIESEL
ENGINE PUMPS

*Professionals
*Resistant



ENGINE PUMPS

CLEAN WATERS
TRASH
HIGH PRESSURE
CORROSIVE LIQUIDS



APT TO:





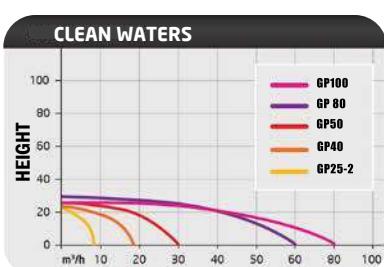
PETROL
PUMPS
CLEAN WATERS



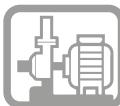
GP25-2



GP100



MODEL	GP25-2	GP40	GP50	GP80	GP100
SUCTION DIAMETER	25 mm (1")	40 mm (1" ½)	50 mm (2")	80 mm (3")	100 mm (4")
MAX. DISCHARGE CAPACITY	7m³/h (120L/min)	15m³/h (250L/min)	30m³/h (500L/min)	60m³/h (1000L/min)	80m³/h 1330L/min
MAX. DISCHARGE HEAD	22 m	25 m	27 m	30 m	25 m
MAX. SOLID PASS	8 mm	8 mm	9mm	9 mm	9 mm
ENGINE	IC43	IC154	IC160	IC200	IC270
TYPE	2 tiempos	OHV	OHV	OHV	OHV
DISPLACEMENT	43cc	154cc	163cc	198cc	270cc
START	Recoil	Recoil	Recoil	Recoil	Recoil
REVOLUTIONS	7000 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm
POWER	1.5 hp	2.5 hp	5.5 hp	6.5 hp	9.0 hp
FUEL CAPACITY	1.0 L	2.0 L	3.6 L	3.6 L	6.5 L
NET WEIGHT	7 Kg	16 Kg	25 Kg	28 Kg	48 Kg
GROSS WEIGHT	8 Kg	18 Kg	29 Kg	32 Kg	55 Kg
PRODUCT DIMENSIONS	25 x 29 x 34 cm	25 x 29 x 34 cm	25 x 29 x 34 cm	25 x 29 x 34 cm	25 x 29 x 34 cm
BOX DIMENSIONS	25 x 29 x 34 cm	43.5 x 34.5 x 36 cm	52 x 40.5 x 45.5 cm	55 x 44.5 x 45 cm	66.5 x 51x 55 cm



PETROL
PUMP
HIGH PRESSURE

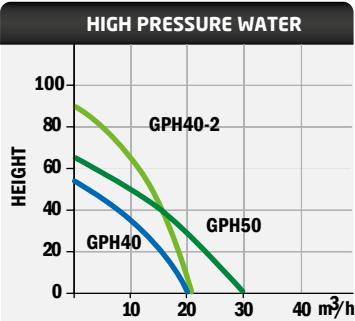
CHARACTERISTICS

- OHV 4 stroke engine with oil alarm (except model GP25-2)
- High quality mechanical seal
- Lightweight and compact structure
- Aluminum injection pump body
- GPT80: front opening for cleaning and maintenance
- Chassis diameter of 32 mm
- Include connection and filter accessories

UTILITIES



GPH40-2



MODEL	GPH40	GPH40-2	GPH50
SUCTION DIAMETER	40 mm (1" ½")	40 mm (1" ½")	50 mm (2")
MAX. DISCHARGE CAPACITY	20m³/h (335L/min)	21m³/h (350L/min)	30m³/h 500L/min)
MAX. DISCHARGE HEAD	55 m	90 m	65 m
MAX. SOLID PASS	9 mm	9 mm	9 mm
ENGINE	IC210	IC390	IC210
TYPE	OHV	OHV	OHV
DISPLACEMENT	210cc	389cc	210cc
START	Manual	Manual	Manual
REVOLUTIONS	3600 rpm	3600 rpm	3600 rpm
POWER	7.0 hp	13 hp	7.0 hp
FUEL CAPACITY	3.6 L	6.5 L	3.6 L
NET WEIGHT	28 Kg	48 Kg	28 Kg
GROSS WEIGHT	30 Kg	52 Kg	55 Kg
PRODUCT DIMENSIONS	50 x 38,5 x 41,5 cm	63 x 49 x 53 cm	53 x 42,5 x 43 cm
BOX DIMENSIONS	52 x 40,5 x 43,5 cm	65 x 51 x 55 cm	55x 44,5x 45 cm

GTP100X



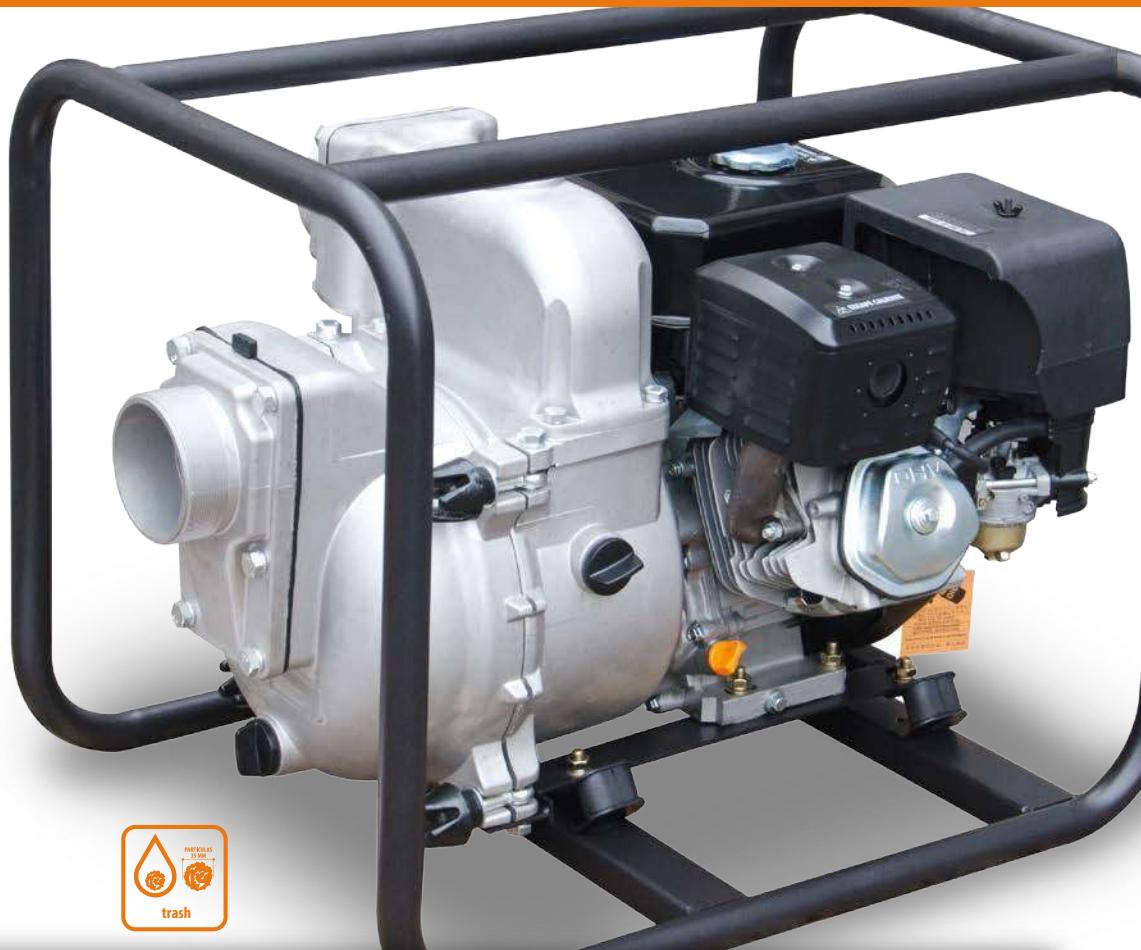
PETROL
PUMPS
TRASH



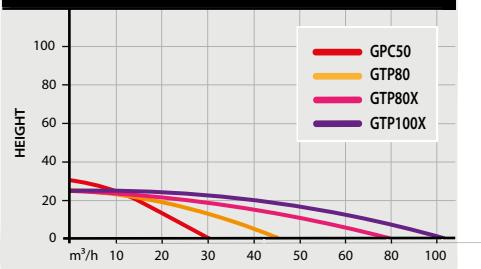
GTP80



GTP80X



TRASH AND CORROSIVE LIQUIDS



CORROSIVE LIQUIDS



TRASH



TRASH



TRASH

MODEL	GPC50	GTP80	GTP80X	GTP100X
SUCTION DIAMETER	50 mm (2")	80 mm (3")	80 mm (3")	100 mm (4")
MAX. DISCHARGE CAPACITY	30m³/h (500L/min)	45m³/h (750L/min)	78m³/h (1300L/min)	102m³/h (1700L/min)
MAX. DISCHARGE HEAD	30 m	25 m	25 m	25 m
MAX. SOLID PASS	9 mm	35 mm	35 mm	35 mm
ENGINE	IC210	IC210	IC420	IC420
TYPE	OHV	OHV	OHV	OHV
DISPLACEMENT	210cc	210cc	420cc	420cc
START	Manual	Manual	Manual	Manual
REVOLUTIONS	3600 rpm	3600 rpm	3600 rpm	3600 rpm
POWER	7 hp	7 hp	15 hp	15 hp
FUEL CAPACITY	3,6 L	3,6 L	6,5 L	6,5 L
NET WEIGHT	29 Kg	38 Kg	70 Kg	77 Kg
GROSS WEIGHT	40 Kg	40 Kg	74 Kg	81 Kg
PRODUCT DIMENSIONS	55 x 45 x 45 cm	57 x 46 x 32 cm	76 x 56 x 61 cm	73 x 53 x 58 cm
BOX DIMENSIONS	57 x 46 x 47 cm	59 x 48 x 46 cm	78 x 58 x 63 cm	75 x 55 x 60 cm



DIESEL
PUMPS
CLEAN WATERS

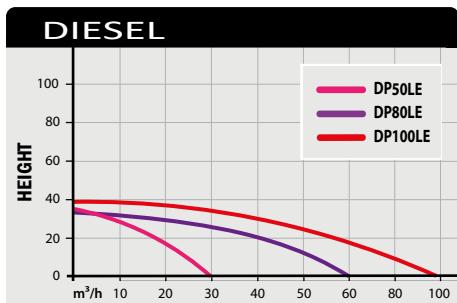
CHARACTERISTICS

- Single-cylinder diesel engine direct injection for industrial applications
- Pump body in aluminum injection
- Light and compact structure with 32 mm chassis
- High Quality mechanical seal

UTILITIES



DP100LE



MODEL	DP50LE	DP80LE	DP100LE
SUCTION DIAMETER	50 mm (2")	80 mm (3")	100 mm (4")
MAX. DISCHARGE CAPACITY	30m³/h (500L/min)	60m³/h (1000L/min)	96m³/h (1600L/min)
MAX. DISCHARGE HEAD	34 m	33 m	39 m
MAX. SOLID PASS	9 mm	9 mm	9 mm
ENGINE	D300E	D300E	D400E
TYPE	Diesel	Diesel	Diesel
DISPLACEMENT	296cc	296cc	418cc
START	Electric	Electric	Electric
REVOLUTIONS	3600 rpm	3600 rpm	3600 rpm
POWER	6,0 hp	6,0 hp	10 hp
FUEL CAPACITY	14 L	14 L	14 L
NET WEIGHT	45 Kg	50 Kg	80 Kg
GROSS WEIGHT	49 Kg	54 Kg	84 Kg
PRODUCT DIMENSIONS	520 x 460 x 615 mm	560 x 460 x 665 mm	655 x 480 x 700 mm
BOX DIMENSIONS	540 x 480 x 645 cm	580 x 480 x 695 cm	625 x 500 x 730 mm



DIESEL
PUMPS
**HIGH
PRESSURE**

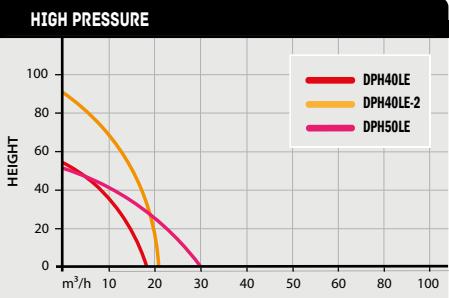
CHARACTERISTICS

- Single-cylinder diesel engine direct injection for industrial applications
- Pump body in aluminum injection
- Light and compact structure with 32 mm chassis
- High Quality mechanical seal

UTILITIES



DPH40LE-2



MODEL	DPH40LE	DPH50LE	DPH40LE-2
SUCTION DIAMETER	40 mm (1" Y 1,5")	50 mm (2")	40 mm (1,5")
MAX. DISCHARGE CAPACITY	18m³/h (300L/min)	30m³/h (500L/min)	21m³/h (350L/min)
MAX. DISCHARGE HEAD	55 m	52 m	90 m
MAX. SOLID PASS	9 mm	9 mm	9 mm
ENGINE	D300E	D300E	D400E
TYPE	Diesel	Diesel	Diesel
DISPLACEMENT	296cc	296cc	418cc
START	Recoil	Electric	Electric
REVOLUTIONS	3600 rpm	3600 rpm	3600 rpm
POWER	6.0 hp	6.0 hp	10 hp
FUEL CAPACITY	12 L	14 L	14 L
NET WEIGHT	39 Kg	54 Kg	68 Kg
GROSS WEIGHT	45 Kg	58 Kg	72 Kg
PRODUCT DIMENSIONS	54,4 x 42,5 x 63,5 cm	56 x 46 x 66,5 cm	65,5 x 48 x 70 cm
BOX DIMENSIONS	56 x 46 x 56 cm	58 x 48 x 69,5 cm	67,5 x 50 x 73 cm



DIESEL
PUMPS
TRASH AND
CORROSIVE LIQUIDS

DIESEL PUMPS



MODEL	DPT80LE	DPC50LE
SUCTION DIAMETER	80 mm (3")	50 mm (2")
MAX. DISCHARGE CAPACITY	50m ³ /h (830L/min)	35m ³ /h (580L/min)
MAX. DISCHARGE HEAD	26 m	30 m
MAX. SOLID PASS	35 mm	9 mm
ENGINE	D300E	D300E
TYPE	Diesel	Diesel
DISPLACEMENT	296cc	296cc
START	Recoil / Electric	Recoil / Electric
REVOLUTIONS	3600 rpm	3600 rpm
POWER	6.0 hp	6.0 hp
FUEL CAPACITY	14 L	14 L
OIL CAPACITY	1,1 L	1,1 L
NET WEIGHT	62 Kg	62 Kg
GROSS WEIGHT	65 Kg	65 Kg
PRODUCT DIMENSIONS	57 x 47 x 67,5 cm	57 x 47 x 67,5 cm
BOX DIMENSIONS	59 x 49 x 70,5 cm	59 x 49 x 70,5 cm

CHARACTERISTICS

- Single-cylinder diesel engine direct injection for industrial applications.

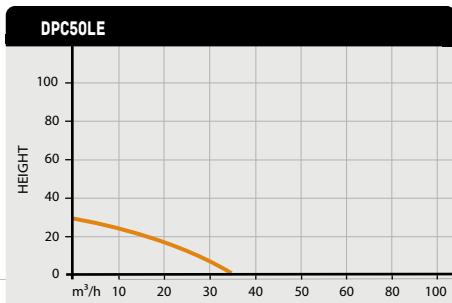
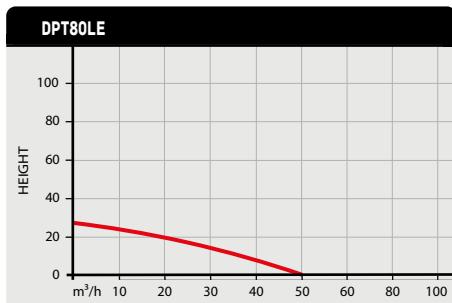
- Pump body in aluminum injection.

- High Quality mechanical seal

UTILITIES



Emptying of septic tanks,
wells, bogs



ASPIRATION HOSE

- FEATURES:** flexible tube, Made of plasticized PVC with polyester reinforcement. High resistant.
- USE:** Gardening, agriculture, floriculture and irrigation in general.
- COLOR:** Yellow
- Sections of 7 meters



MODEL	MAN-ASP25	MAN-ASP40	MAN-ASP50	MAN-ASP80	MAN-ASP100
INTERIOR DIAMETER	25mm	40mm	50mm	80mm	100mm
EXTERNAL DIAMETER	29 mm	46 mm	57 mm	89 mm	110 mm
WORKING PRESSURE	2 bar	6 bar	5 bar	4 bar	3 bar
BREAKING PRESSURE	6 bar	18 bar	15 bar	12 bar	9 bar
DEPRESSION	5 bar	8 bar	8 bar	6 bar	5 bar
CURVATURE RADIUS	95 mm	157 mm	205 mm	334 mm	430 mm
WEIGHT	180 gr/m	505 gr/m	700 gr/m	1.400 gr/m	1.660 gr/m

IMPULSION HOSE (ROUND)

MODEL	MAN-ASP100
INTERIOR DIAMETER	25mm
EXTERNAL DIAMETER	30 mm
WORKING PRESSURE	7 bar
BREAKING PRESSURE	21 bar
WEIGHT	350 gr/m

FEATURES:

- Flexible tube, made of plasticized PVC with polyester reinforcement. Resistant to atmospheric agents and a large part of chemical products.
- USE:** Gardening, agriculture, floriculture and irrigation in general.
 - COLOR:** Yellow
 - Section of 50 meters

FOOT VALVE

Foot valve
40 mm (1,5")
50 mm (2")
80 mm (3")
100 (4")

FEATURES:

Flat hose for conduction and transfer of liquids, made of plasticized PVC with insertion of polyester fiber.

- USE:** Irrigation, conduction and

- COLOR:** Blue

- IMPORTANT:** This hose is not suitable in agriculture for melon irrigation while there is not a minimum distance of 60 cm to the plants.
- Sections of 25 and 50 meters



MODEL	MAN-IMP25	MAN-IMP40	MAN-IMP50	MAN-IMP80	MAN-IMP100
INTERIOR DIAMETER	25mm	40mm	50mm	75mm	100mm
WORKING PRESSURE	10 bar	4 bar	4 bar	4 bar	3 bar
BREAKING PRESSURE	30 bar	15 bar	15 bar	12 bar	9 bar
WEIGHT	195 gr/m	220 gr/m	300 gr/m	550 gr/m	700 gr/m



PETROL & DIESEL
HIGH PRESSURE
WASHERS

*Professionals
*Resistant
*Powerful



HIGH PRESSURE WASHERS
SUITABLE FOR:

**CLEANING
GARDEN
WORKS
TRANSPORTATION**



PETROL
HIGH PRESSURE WASHERS

PETROL HIGH PRESSURE WASHER HPW2500P / HPW3200P

MODEL	HPW2500P	HPW3200P
MAX. PRESSURE.	170 Bar	210 Bar
	2500 Psi	3200 Psi
MAX DISCHARGE CAP.	8,75 l/min	10 l/min
ENGINE	IC210	IC210
TYPE	OHV	OHV
START	Recoil	Recoil
POWER	7 hp	7 hp
REVOLUTIONS	3.600 rpm	3.600 rpm
DISPLACEMENT	210 cc	210 cc
PUMP	AR AXIAL RMV25G30D	AR TRIPLEX RSV3G31
DIMENSIONS	63 x 51 x 54 cm	63 x 51 x 54 cm
WEIGHT	36 Kg	38 Kg



SEMI-PROFESSIONAL



REINFORCED HOSE



AUTOMATIC STOP



FEATURES

- Cold water washers
- 4-stroke OHV gasoline engines with oil alarm
- Detergent tank
- Easy transport
- Low consumption
- Anovi Reverberi Pump
- Bronze head
- **Industrial pump with ceramic seal and thermal protection**

STANDARD EQUIPMENT

- High-pressure gun with fast attack
- High pressure lance
- 90 cm (36") lance with system **Quick Connect**
- 8 m high pressure hose



ACCESSORIES



TURBO
NOZZLE



SANDBLASTING
KIT



MANOMETER



CLEANER



ROLLER



TELESCOPIC LANCE



PETROL
HIGH PRESSURE WASHERS



PROFESSIONAL



REINFORCED HOSE
WITH MESH



AUTOMATIC STOP



PETROL HIGH PRESSURE WASHER HPW4000P

MODEL	HPW4000P
MAX. PRESSURE.	270 Bar
	4.000 PSi
MAX DISCHARGE CAP.	15 l/min
ENGINE	IC425
TYPE	OHV
START	Recoil
POWER	14 hp
REVOLUTIONS	3.600 rpm
DISPLACEMENT	420 cc
PUMP	AR TRIPLEX RSV4G40
DIMENSIONS	82 x 68 x 44 cm
WEIGHT	68 Kg

FEATURES

- Cold water washers
- 4-stroke OHV gasoline engines with oil alarm
- Detergent tank
- Easy transport
- Low consumption
- Anovi Reverberi Pump
- Bronze head
- **Industrial pump with ceramic seal and thermal protection**

STANDARD EQUIPMENT

- High-pressure gun with fast attack
- High pressure lance
- 90 cm (36") lance with system **Quick Connect**
- 15 m high pressure hose



ACCESSORIES



TURBO
NOZZLE



SANDBLASTING
KIT



MANOMETER



ROLLER



TELESCOPIC LANCE



CLEANER



DIESEL
HIGH PRESSURE WASHERS

DIESEL HIGH PRESSURE WASHER HPW4000DE

MODELO	HPW4000DE
PRESIÓN MÁX.	270 Bar máx. trabajo 4000 PSI máx.
CAUDAL MÁX.	1.8 l/min
MOTOR	D500E
TIPO MOTOR	Diésel 4T
ARRANQUE	Eléctrico
POTENCIA	12 hp
REVOLUCIONES	3.600 rpm
CILINDRADA	498 cc
BOMBA	AR TRIPLEX RSV4G40
DIMENSIONES	82 x 68 x 44 cm
PESO	68 Kg



PROFESSIONAL



REINFORCED HOSE
WITH MESH



AUTOMATIC STOP

FEATURES

- Cold water washers
- 4-stroke OHV gasoline engines with oil alarm
- Detergent tank
- Easy transport
- Low consumption
- Anovi Reverberi Pump
- Bronze head
- Industrial pump with ceramic seal and thermal protection

STANDARD EQUIPMENT

- High-pressure gun with fast attack
- High pressure lance
- 90 cm (36 ") lance with system **Quick Connect**
- 15 m high pressure hose



ACCESSORIES



TURBO
NOZZLE



SANDBLASTING
KIT



MANOMETER



CLEANER

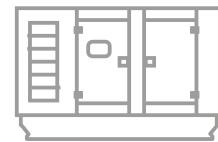
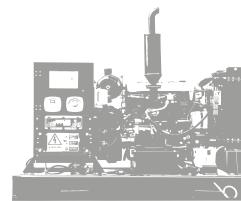


ROLLER



TELESCOPIC LANCE





DIESEL
STATIONARY
GENERATORS

*24 hours

*Non stop

*Power Quality



GENERATORS FOR:
BUILDING
INDUSTRIAL
HOSPITALS
FACTORIES
F FARMS
BUSINESS

OPEN FRAME GENERATOR



OPEN FRAME
GENERATOR
CONFIGURATOR

CONTROL BOX

Control panel & AC power output
(10-265kVA)

ALTERNATOR

ITCPower alternator as standard
provides 2 years warranty
Stamford or LEROY SOMER
alternator as options

DIESEL ENGINE

3 cylinders engine (9-15kVA)
4 cylinders engine (13-99kVA)
6 cylinders engine (96-128kVA)

RADIATOR

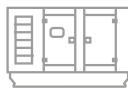
40°C radiator as standard
50°C radiator as optional to
High temperature weather area

**BASE FRAME**

Forklift holes designed for easy moving
BOTTOM TANK
Ensures over 8 hours engine running

BATTERY

High-powered battery release high
current for easy starting.
Low temperature battery as optional
when environment temperature
lower than 0



SOUNDPROOF &
RAINPROOF
CANOPY

3 CYLINDERS
1 Phase@9.7-12 kVA
3 Phase@11-15 kVA

4 CYLINDERS
3 Phase@16-99 kVA
1 Phase@13-39 kVA

6 CYLINDERS
3 Phase@96-170 kVA

GENERATOR MODEL		50Hz 3Phase				Engine Type	Alternator Type
		PRIME POWER		STANDBY POWER			
Open Frame	Soundproof Canopy	Kw	Kva	Kw	Kva		
DG11KE	DG11KSE	8	10	9	11	D380	164B
DG14KE	DG14KSE	10	13	11	14	D390	164C
DG16KE	DG16KSE	12	15	13	17	D485	164D
DG22KE	DG22KSE	16	20	18	22	D490	184E
DG28KE	DG28KSE	20	25	22	28	D4102	184F
DG34KE	DG34KSE	25	31	28	34	D4102	184G
DG45KE	DG45KSE	32	40	35	44	D4105	184J
DG65KE	DG65KSE	48	60	53	66	D4D80Z-D20	224D
DG75KE*	DG75KSE*	53	66	58	72	D4D100Z-D20	224E
DG90KE*	DG90KSE*	66	82	72	90	D4M3L-D	224G
DG110KE*	DG110KSE*	79	99	87	109	D6B130Z-D20	224G
DG125KE*	DG125KSE*	90	112	99	125	D6B155L-D21	274C
DG145KE*	DG145KSE*	106	132	116	145	D6B210L-D20	274E

GENERATOR MODEL		50Hz 3Phase				Engine Type	Alternator Type
		PRIME POWER		STANDBY POWER			
Open Frame	Soundproof Canopy	Kw	Kva	Kw	Kva		
DG9KEm	DG9KSEm	8	8	8,8	8,8	D380	164B
DG11KEm	DG11KSEm	10	10	11	11	D390	164C
DG13KEm	DG13KSEm	12	12	13	13	D485	164D
DG18KEm	DG18KSEm	16	16	18	18	D490	184E
DG22KEm	DG22KSEm	20	20	22	22	D4102	184F
DG28KEm	DG28KSEm	25	25	28	28	D4102	184H
DG35KEm	DG35KSEm	32	32	35	35	D4105	224D

Note

1. Prime Power :

Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hours period.
In accordance with ISO8528, ISO 3046, BS 5514.

Contact us for the other running periods. Power ratings based on a 40°C (104 °F) ambient temperature reference.

2. Standby Power :

Continuous running at variable load for an emergency.

No overload is permitted on these ratings.In accordance with ISO 3046,BS 5514.

DG ITCPower Diesel generator

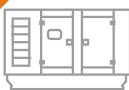
KE Open frame and Bottom tank

KSE Soundproof canopy and Bottom tank

m Single phase

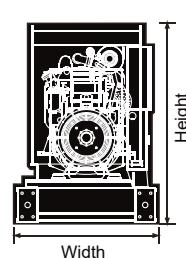
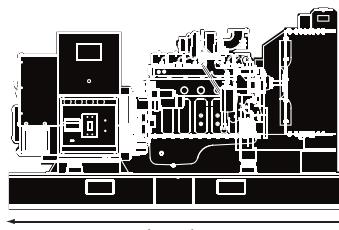
* Electrical Governor Engine

3. Generator sets when running in special voltage ,the real power will change.The detail generator sets technical datasheets you should connect to our company.



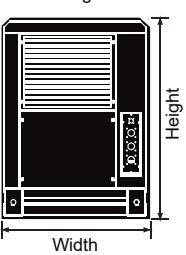
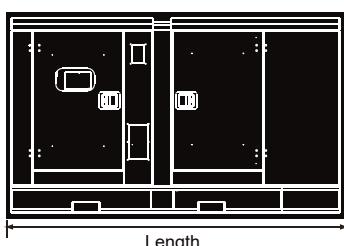
SOUNDPROOF &
RAINPROOF
CANOPY

OPEN FRAME



Generator Model	Net Weight	DIMENSION (mm)			SOUND LEVEL (LWa)		Fuel Tank Capacity (L)
		Length	Width	Height	@1m	@7m	
DG11KE / 9KEm	365	1150	780	910	90	80	42
DG14KE / 11KEm	480	1510	900	980	92	82	46
DG16KE / 13KEm	490	1510	900	980	92	82	77,5
DG22KE / 18KEm	505	1510	900	980	92	82	77,5
DG28KE / 22KEm	650	1810	950	1020	92	82	93
DG34KE / 28KEm	690	1810	950	1020	92	82	93
DG45KE / 35KEm	770	1810	950	1020	94	84	93
DG65KE	950	1955	950	1360	98	88	180
DG75KE	995	1955	950	1365	98	88	180
DG90KE	1100	2395	1000	1410	98	88	245
DG110KE	1160	2395	1000	1410	98	88	245
DG125KE	1220	2395	1000	1410	98	88	245
DG145KE	1280	2395	1000	1410	98	88	245

SOUNDPROOF CANOPY



Generator Model	Net Weight	DIMENSION (mm)			SOUND LEVEL (LWa)		Fuel Tank Capacity (L)
		Length	Width	Height	@1m	@7m	
DG11KSE / 9KSEm	480	1500	760	1090	68	62	42
DG14KSE / 11KSEm	665	1630	760	1115	69	64	46
DG16KSE / 12KSEm	760	1900	900	1120	70	65	77,5
DG22KSE / 18KSEm	786	1900	900	1120	70	65	77,5
DG28KSE / 22KSEm	870	2200	950	1250	72	66	93
DG34KSE / 28KSEm	1000	2200	950	1250	72	66	93
DG45KSE / 35KSEm	1045	2200	950	1320	72	66	93
DG65KSE	1160	2500	950	1520	73	68	180
DG75KSE	1200	2500	950	1520	73	68	180
DG90KE	1460	3400	1000	1700	75	70	245
DG110KSE	1520	3400	1000	1700	75	70	245
DG125KSE	1580	3400	1000	1700	75	70	245
DG145KSE	1640	3400	1000	1700	75	70	245

Note

1. Fuel Tank :

Our company supply base frame with standard fuel tank ,this fuel tank capacity is use for generator running 8 hours on 100% load .

2. Sound level :

The generator running on 75% load ,and sound test accord to ISO8528-10 :1998 standard ..

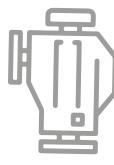


DIESEL ENGINE
50 Hz 1500 rpm
Prime Power 11 - 140 Kw



SPECIFICATION DATAS

ENGINE MODEL	Prime Power	Standby Power	Aspiration and Cooling	Displacement [L]	Cylinders	Bore x Stroke (mm)	Compression Ratio	Governor	Oil Cap (L)	SAE Port	Coolant Cap (L)	Fuel Consumption (L/100% Load)	Start System Voltage (V)	Battery Capacity (Ah)	Standard Cooling System
D380	11 Kw	12 Kw	Natural	1.4 L	3L	80x90	18:1	Mechanical	3.5	5/7.5	5.8	3.5	DC12V	60	40°C Radiator
D390	14 Kw	16 Kw	Natural	1.8 L	3L	90x95	18:1	Mechanical	3.5	5/7.5	5.8	4.5	DC12V	55	40°C Radiator
D485	17 Kw	19 Kw	Natural	2.2 L	4L	85x95	17.5:1	Mechanical	6	4/7.5	6	5	DC12V	55	40°C Radiator
D490	21 Kw	23 Kw	Natural	2.5 L	4L	90x100	17.5:1	Mechanical	6	4/7.5	10	6.4	DC12V	55	40°C Radiator
D4102	32 Kw	36 Kw	Natural	3.8 L	4L	102x105	17.5:1	Mechanical	7.5	3/10	10	9.0	DC12V	55	40°C Radiator
D4105	38 Kw	42 Kw	Natural	4.1 L	4L	105x105	17.5:1	Mechanical	9	3/10	10	11	DC12V	55	40°C Radiator
D4D85Z-D20	55 Kw	61 Kw	Turbocharging	4.2 L	4L	108x115	17.5:1	Electrical	11	3/11.5	12	16	DC24V	55x2	40°C Radiator
D4D100Z-D20	60 Kw	66 Kw	Turbocharging	4.2 L	4L	108x115	17.5:1	Electrical	11	3/11.5	12	18	DC24V	55x2	40°C Radiator
D4M3L-D	70 Kw	77 Kw	Turbocharging&IC	4.8 L	4L	110x125	17:1	Electrical	11	3/11.5	13	21.2	DC24V	55x2	40°C Radiator
D6B130Z-D20	90 Kw	99 Kw	Turbocharging&IC	6.87 L	6L	108x125	17.5:1	Electrical	20	3/11.5	24	24	DC24V	55x2	40°C Radiator
D6B160L-D20	103 Kw	113 Kw	Turbocharging&IC	6.87 L	6L	108x125	17.5:1	Electrical	24	3/11.5	24	28	DC24V	55x2	40°C Radiator
D6B210L-D20	120 Kw	132 Kw	Turbocharging&IC	6.87 L	6L	108x125	17.5:1	Electrical	24	3/11.5	24	28	DC24V	55x2	40°C Radiator



BRUSHLESS ALTERNATOR

50Hz,3-phase,1800rpm, Prime Power 14~168 kVA
50Hz,1-phase,1800rpm, Prime Power 8.8~44 kVA

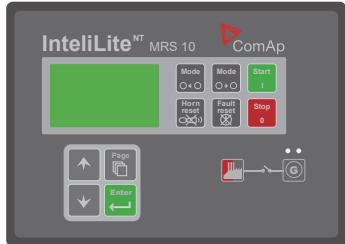


Specification Data

3 Phase,1800 rpm, 60HZ					Single Phase,1800 rpm, 60HZ					Model	AVR Type	Bearing	Insulation System	Exciter System	Protection
Model	Voltage(V)	Prime Power (kVA)	Power Factor	Model	Voltage(V)	Prime Power (kVA)	Power Factor	Model	AVR Type						
164B	230V/400V	11	0.8	164B	230V	8.8	1	SX440	Brushless	Single	Class H	Self Excited	IP23		
164C	230V/400V	14	0.8	164C	230V	11	1	SX460	Brushless	Single	Class H	Self Excited	IP23		
164D	230V/400V	16	0.8	164D	230V	13.5	1	SX460	Brushless	Single	Class H	Self Excited	IP23		
184E	230V/400V	23	0.8	184E	230V	18.4	1	SX460	Brushless	Single	Class H	Self Excited	IP23		
184F	230V/400V	28	0.8	184F	230V	22	1	SX460	Brushless	Single	Class H	Self Excited	IP23		
184G	230V/400V	31	0.8	-	-	-	-	SX460	Brushless	Single	Class H	Self Excited	IP23		
-	-	-	-	184H	230V	31	1	SX460	Brushless	Single	Class H	Self Excited	IP23		
184J	230V/400V	43	0.8	-	-	-	-	SX460	Brushless	Single	Class H	Self Excited	IP23		
-	-	-	-	224D	230V	44	1	SX460	Brushless	Single	Class H	Self Excited	IP23		
224E	230V/400V	60	0.8	-	-	-	-	SX460	Brushless	Single	Class H	Self Excited	IP23		
224G	230V/400V	100	0.8	-	-	-	-	SX460	Brushless	Single	Class H	Self Excited	IP23		
274C	230V/400V	125	0.8	-	-	-	-	SX460	Brushless	Single	Class H	Self Excited	IP23		
224E	230V/400V	140	0.8	-	-	-	-	SX460	Brushless	Single	Class H	Self Excited	IP23		



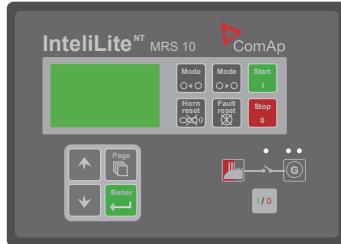
MRS 10



MANUAL AND REMOTE START CONTROLLER

3 configurable analog inputs
magnetic pickup input
D+ preexcitation terminal
6 binary inputs
6 binary outputs

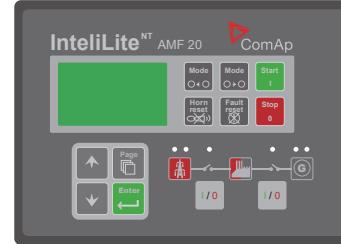
MRS 16



MANUAL AND REMOTE START CONTROLLER WITH SUPPORT FOR EFI ENGINES

3 configurable analog inputs
magnetic pickup input
D+ preexcitation terminal
6 binary inputs
6 binary outputs
GCB control
CAN with J1939 support
extension modules capability
event and performance log

MRS 20



AUTOMATIC MAINS FAILURE START CONTROLLER

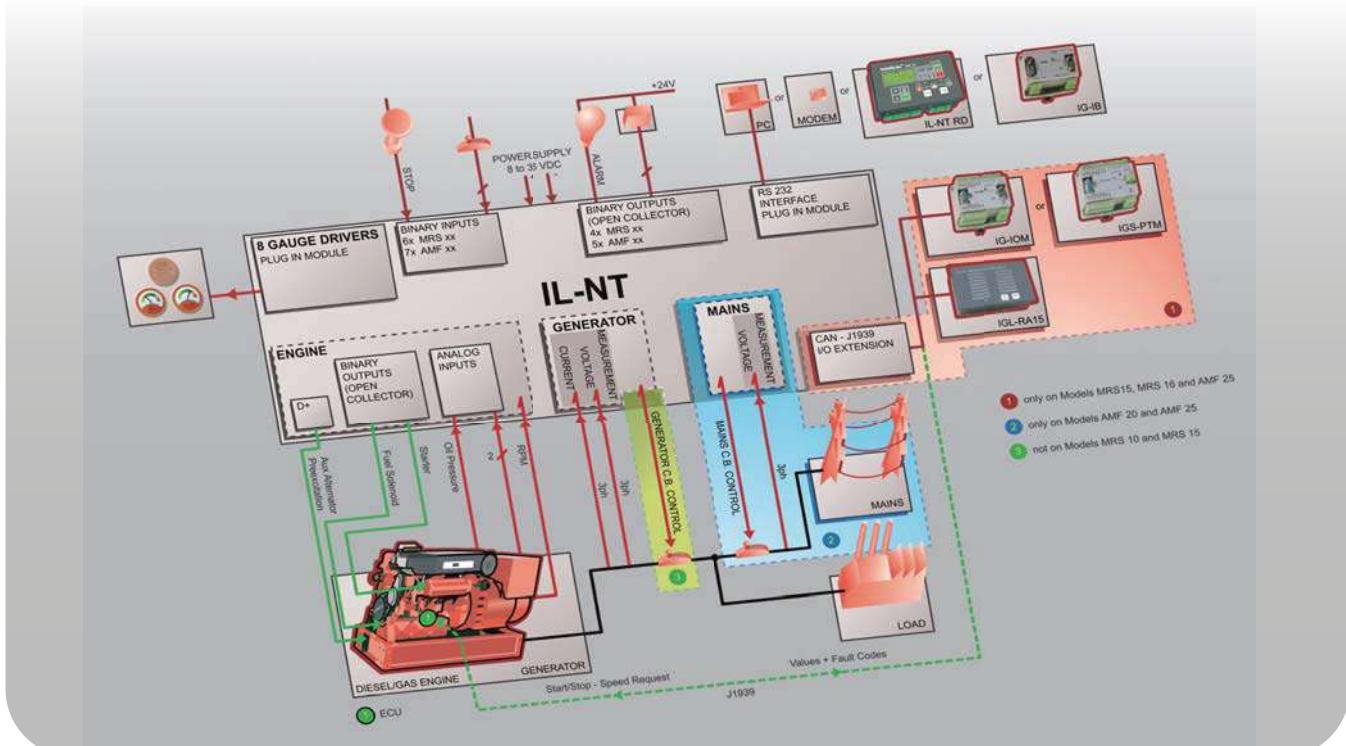
3 configurable analog inputs
magnetic pickup input
D+ preexcitation terminal
7 binary inputs
7 binary outputs
GCB and MCB control

MRS 25



AUTOMATIC MAINS FAILURE START CONTROLLER WITH IntelliLite SUPPORT FOR EFI ENGINE
3 configurable analog inputs
magnetic pickup input
D+ preexcitation terminal

7 binary inputs
7 binary outputs
GCB and MCB control
CAN with J1939 support
extension modules capability
event and performance log





CONTROL SYSTEM



DSE3110 Controller



FEATURES

- Back-lit LCD display
- Remote start input
- Electronic engine enabled
- Magnetic pick-up
- Full engine monitoring and protection
- PC programmable
- Protected Solid State Outputs (PSS)
- 6 Digital Inputs
- 4 Outputs (4 configurable on Canbus version, 2 configurable on Magnetic Pick-up version)

BENEFITS

- Hours counter provides accurate information for monitoring maintenance and warranty periods
- Multiple engine parameters are monitored simultaneously
- Suitable for engine only applications
- Module can be configured to suit individual applications
- IP65/NEMA 12 rating offers advanced resistance to water ingress (optional gasket required)
- No need for additional metering equipment
- Wide range of engines can be specified
- Uses the DSE Configuration Suite PC Software for simplified programming

DSE7310 / 7320 Controller



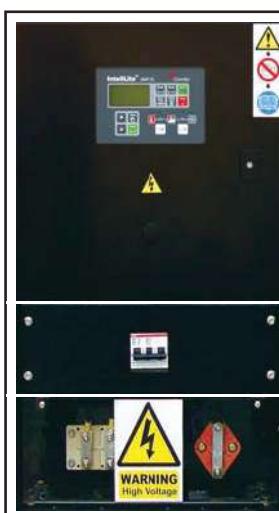
The **DSE7310** is an Automatic Start ControlModule and the DSE7320 is an AutoMains (Utility) Failure ControlModule. Both modules have been designed to start and stop diesel and gas generating sets that include electronic and non-electronic engines.

The DSE7320 includes the additional capability of being able to monitor a mains (utility) supply.

Both modules include USB, RS232 and RS485 ports as well as dedicated DSENNet®

terminals for expansion device connectivity. The modules are simple to operate and feature a newly designed menu layout for improved clarity. Enhanced features include a real time clock for enhanced event and performance monitoring, ethernet communications for low cost monitoring, mutual standby to reduce engine wear and tear, trend analysis to assist in the detection of patterns in engine status and preventative maintenance designed to detect if engine parts have developed fault conditions so they can be replaced before a major problem occurs.

CONTROL PANEL



OPERATION AREA

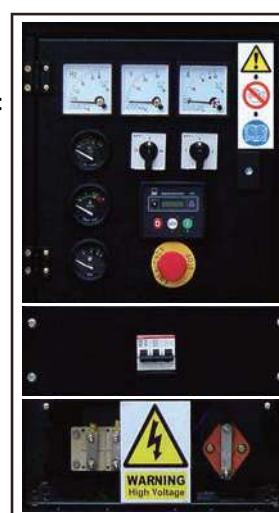
Control panel model standard:
Controller MRS10
Control panel model options:
Controller MRS16
Controller AMF20
Controller AMF25
Controller DSE7320

BREAKER

Standard: MCB (0~125A), MCCB (125~1000A)
Options: MCB+RCD, MCCB+RCD

POWER OUTPUT AREA

Terminals U.V.W.N.PE



OPERATION AREA

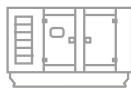
Control panel model options:
P-3110 / Controller DSE3110
Voltage, Current, Frequency meters
Voltage, ampere switches
Battery charger,
water temperature, fuel level meters

BREAKER

Standard: MCB (0~125A), MCCB (125~1000A)
Options: MCB+RCD, MCCB+RCD

POWER OUTPUT AREA

Terminals U.V.W.N.PE



CONTROL
PANELS CONFIGURATION

MEASUREMENTS

CONTROLS

ENGINE
FIGURE

MONITOR
FUNCTION

WARNING/SHUTDOWN

Model	MRS10	MRS16	AMF20	AMF25	DSE3110	DSE7320
Generator Current	●	●	●	●	●	●
Generator Frequency	●	●	●	●	●	●
Phase to Phase Voltage	●	●	●	●	●	●
Phase to Neutral Voltage	●	●	●	●	○	●
Generator KVAr	●	●	●	●	✗	●
Generator KW	●	●	●	●	✗	●
Generator KVA	●	●	●	●	✗	●
Generator Output KWh	✗	●	✗	●	✗	✗
Power factor	●	●	●	●	✗	●
Mains Phase to Phase Volts	✗	✗	●	●	✗	●
Mains Phase to Neutral Volts	✗	✗	●	●	✗	●
Mains Frequency	✗	✗	●	●	✗	●
Power Switch on	✗	○	✗	○	✗	✗
Fuel solenoid valve control	●	●	●	●	●	●
Remote Start control	○	○	○	○	○	○
Oil Preheating	○	○	○	○	○	○
Water preheating	○	○	○	○	○	○
Oil pressure	●	●	●	●	●	●
Coolant temperature	●	●	●	●	●	●
Battery voltage	●	●	●	●	●	●
Engine rotating speed	●	●	●	●	●	●
Engine hours run	●	●	●	●	●	●
Under / Over Mains Volts	✗	✗	●	●	✗	●
Under / Over Mains Frequency	✗	✗	●	●	✗	●
External Remote control start output (load / un-load)	✗	✗	○	○	✗	○
Configurable relay outputs	●	●	●	●	●	●
AMF function	✗	✗	●	●	✗	●
Display LCD brightness adjusting	●	●	●	●	●	●
PIN password	●	●	●	●	●	●
RS232/485 Interface	○	○	○	○	✗	○
Faults report	✗	●	✗	●	✗	✗
Including user adjustable language	○	○	○	○	○	○
Multi-language function	●	●	●	●	●	●
Alternator Under / Over Volts	●	●	●	●	●	●
Alternator Under / Over Frequency	●	●	●	●	●	●
Under / Over Speed	●	●	●	●	●	●
Low Oil Pressure	●	●	●	●	●	●
High Engine Temp	●	●	●	●	●	●
High/Low Battery Volts	●	●	●	●	●	●
Over current	●	●	●	●	✗	●
Electrical Trip	○	○	○	○	○	○
Reverse Power Electrical Trip	○	○	○	○	✗	○
Phase Sequence Electrical Trip	○	○	○	○	✗	○
Earth Fault Shutdown	○	○	○	○	○	○
Adjustable start period/times	●	●	●	●	●	●
Period maintenance alarm	○	○	○	○	✗	○

	DG 11KE 11KSE	DG 14KE 14KSE	DG 16KE 16KSE	DG 22KE 22KSE	DG 28KE 28KSE	DG 34KE 34KSE	DG 45KE 45KSE	DG 65KE 65KSE	DG 75KE 75KSE	DG 90KE 90KSE	DG 110KE 110KSE	DG 125KE 125KSE	DG 145KE 145KSE
Generator Model	DG 9KEm 9KSEM	DG 11KEm 11KSEM	DG 13KEm 13KSEM	DG 18KEm 18KSEM	DG 22KEm 22KSEM	DG 28KEm 28KSEM	DG 35KEm 35KSEM	-	-	-	-	-	-
Water-cooled diesel engine	●	●	●	●	●	●	●	●	●	●	●	●	●
Environment 40°C radiator	●	●	●	●	●	●	●	●	●	●	●	●	●
Environment 50°C radiator	○	○	○	○	○	○	○	○	○	○	○	○	○
Industrial type muffler	●	●	●	●	●	●	●	●	●	●	●	●	●
Residential type muffler	○	○	○	○	○	○	○	○	○	○	○	○	○
Oil drain pump	○	○	○	○	○	○	○	○	○	○	○	○	○
Battery and cables	●	●	●	●	●	●	●	●	●	●	●	●	●
Water pre-heater	○	○	○	○	○	○	○	○	○	○	○	○	○
Oil pre-heater	○	○	○	○	○	○	○	○	○	○	○	○	○
Coolant attached	○	○	○	○	○	○	○	○	○	○	○	○	○
Oil attached	○	○	○	○	○	○	○	○	○	○	○	○	○
IP23 protection level	●	●	●	●	●	●	●	●	●	●	●	●	●
PMG excited	○	○	○	○	○	○	○	○	○	○	○	○	○
Anti-condensation heater	○	○	○	○	○	○	○	○	○	○	○	○	○
Winding temperature measurement	○	○	○	○	○	○	○	○	○	○	○	○	○
AVR (AS440)	●	●	●	●	●	●	●	●	●	●	●	●	●
Outer fuel filling (canopy)	○	○	○	○	○	○	○	○	○	○	○	○	○
Oil filling cap with key	○	○	○	○	○	○	○	○	○	○	○	○	○
Outer water filling (canopy)	●	●	●	●	●	●	●	●	●	●	●	●	●
Fork lift hole	●	●	●	●	●	●	●	●	●	●	●	●	●
lifing hole (canopy)	○	○	○	○	○	○	○	○	○	○	○	○	○
Base frame fuel tank (8 hours)	●	●	●	●	●	●	●	●	●	●	●	●	●
Base frame without fuel tank	○	○	○	○	○	○	○	○	○	○	○	○	○
Fuel filling tube to external fuel tank	○	○	○	○	○	○	○	○	○	○	○	○	○
Fuel drain hole	●	●	●	●	●	●	●	●	●	●	●	●	●
Emergency stop button	●	●	●	●	●	●	●	●	●	●	●	●	●
Lockable door with keys	●	●	●	●	●	●	●	●	●	●	●	●	●
Silence foam (canopy)	●	●	●	●	●	●	●	●	●	●	●	●	●
U.V.W.N. PE power output pins	●	●	●	●	●	●	●	●	●	●	●	●	●
3 unit of single phase socks	●	●	●	●	●	●	●	●	●	●	●	●	●
3 Pins connect port (remote start)	●	●	●	●	●	●	●	●	●	●	●	●	●
5 Pins connect port (remote start, battery charger fixed)	○	○	○	○	○	○	○	○	○	○	○	○	○
10 Pins connect port (with AMF Module)	○	○	○	○	○	○	○	○	○	○	○	○	○
Automatic fuel filling device	○	○	○	○	○	○	○	○	○	○	○	○	○
Battery switch	○	○	○	○	○	○	○	○	○	○	○	○	○
Fuel level sensor	○	○	○	○	○	○	○	○	○	○	○	○	○
Galvanised sheet	○	○	○	○	○	○	○	○	○	○	○	○	○
P-72 Control panel	●	●	●	●	●	●	●	●	●	●	●	●	●
P-3110 Control panel	○	○	○	○	○	○	○	○	○	○	○	○	○
P-10 Control panel	○	○	○	○	○	○	○	○	○	○	○	○	○
P-16 Control panel (faults report)	○	○	○	○	○	○	○	○	○	○	○	○	○
P-20 Control panel (AMF)	○	○	○	○	○	○	○	○	○	○	○	○	○
P-25 Control panel (AMF, faults report)	○	○	○	○	○	○	○	○	○	○	○	○	○
Emergency stop button	○	○	○	○	○	○	○	○	○	○	○	○	○
Battery charger fixed	○	○	○	○	○	○	○	○	○	○	○	○	○
Power output with MCB (0~125A)	●	●	●	●	●	●	●	●	●	×	×	×	×
Power output with MCCB (0~1000A)	×	×	×	×	×	×	×	×	×	●	●	●	●
Power output with MCB+RCD	○	○	○	○	○	○	○	○	○	×	×	×	×
Power output with MCCB+RCD	×	×	×	×	×	×	×	×	×	○	○	○	○
Protective cover for rotating parts	●	●	●	●	●	●	●	●	●	●	●	●	●
Over current protection	●	●	●	●	●	●	●	●	●	●	●	●	●
Grounding protection	○	○	○	○	○	○	○	○	○	○	○	○	○

• Standard ○ Optional × Impossible

Specifications are subject to continuous product development



ATS control module

Automatic Transfer Switch Control Module. The module features 8-Bit microprocessor control. The module is used to monitor two 3-phase AC supply. Once I# AC supply failure is detected (under voltage, over voltage, miss phase), The module Automatically transfer the switch to II# AC supply, and control generator to start.



ATS switcher 40-4000A

ATS control module

Automatic Transfer Switch Control Module. The module features 8-Bit microprocessor control. The module is used to monitor two 3-phase AC supply. Once I# AC supply failure is detected (under voltage, over voltage, miss phase), The module Automatically transfer the switch to II# AC supply, and control generator to start.

ATS box

Single coil & double shafts driver

Two switch positions 40-200A, Three switch positions 250-4000A.

50,000 electric switch times, 250,000 mechanical switch times.

Used for resistance load 40-200A, inductance load 250-4000A.

ATS SYSTEM

ATS MODEL	Rate Current	4P ATS Switch Model	Control Module	ATS Box	Dimension (mm)	Weight (kg)
ATS1-40A	40A	V61WES4F40A	D220	ATS1	400×260×570	17.5
ATS1-63A	63A	V61WES4F63A	D220	ATS1	400×260×570	17.5
ATS1-100A	100A	V61WES4F100A	D220	ATS1	400×260×570	17.5
ATS1-125A	125A	V62WE4F125A	D220	ATS1	400×260×570	20
ATS1-160A	160A	V62WE4F160A	D220	ATS1	400×260×570	20
ATS1-200A	200A	V62WE4F200A	D220	ATS1	400×260×570	20
ATS2-250A	250A	V64WE4F250A	D220	ATS2	600×355×1100	46
ATS2-320A	320A	V64WE4F320A	D220	ATS2	600×355×1100	46
ATS2-400A	400A	V64WE4F400A	D220	ATS2	600×355×1100	46
ATS3-630A	630A	V66WN4F630A	D220	ATS3	800×500×1500	140
ATS3-800A	800A	V610WN4F800A	D220	ATS3	800×500×1500	198
ATS3-1000A	1000A	V610WN4F1000A	D220	ATS3	800×500×1500	198
ATS4-1250A	1250A	V616WN4F1250A	D220	ATS4	800×600×1500	198
ATS4-1600A	1600A	V616WN4F1600A	D220	ATS4	800×600×1500	198
ATS5-2000A	2000A	V620WN4B2000A	D220	ATS5	1000×720×2200	350
ATS5-2500A	2500A	V630WN4B2500A	D220	ATS5	1000×720×2200	380
ATS5-3150A	3150A	V630WN4B3150A	D220	ATS5	1000×720×2200	380
ATS6-4000A	4000A	V640WN4B4000A	D220	ATS6	TBD	490

Air filter



Fuel filter



Oil filter & Turb filter



SPECIFICATION DATAS

MODEL	3 Phase	1 Phase	Engine Model	AIR FILTER			FUEL FILTER			OIL FILTER			TURB OIL FILTER		
				Filter Model	Qty	Filter Model	Qty	Filter Model	Qty	Filter Model	Qty	Filter Model	Qty	Filter Model	Qty
DG11E/KSE	DG9KEm/KSEm	D380	K1317	1	C0506D	1	J0810A	1	/	/	/	/	/	/	/
DG14KE/KSE	DG11KEm/KSEm	D390	K1317	1	CX0708	1	J0810A	1	/	/	/	/	/	/	
DG16KE/KSE	DG13KEm/KSEm	D485	K1317	1	CX0708	1	JX0810D1	1	/	/	/	/	/	/	
DG22KE/KSE	DG18KEm/KSEm	D490	K1317	1	CX0708	1	JX0810D1	1	/	/	/	/	/	/	
DG28KE/KSE	DG22KEm/KSEm	D4102	K1317	1	CX0708	1	JX0810-T	1	/	/	/	/	/	/	
DG34KE/KSE	DG28KEm/KSEm	D4102	K1317	1	CX0708	1	JX0810-T	1	/	/	/	/	/	/	
DG45KE/KSE	DG35KEm/KSEm	D4105	K1522	1	CX0710	1	JX0810-G	1	/	/	/	/	/	/	
DG65KE/KSE	D4D85Z-D2	D7300-1109101	1	644-1105011	2	150-1012000D	1	/	/	/	/	/	/	/	
DG75KE/KSE	D4D90Z-D20	D7300-1109101	1	644-1105011	2	150-1012000D	1	/	/	/	/	/	/	/	
DG90KE/KSE	D4M3L-D	KW2036B141	1	CX0708S	1	6RZG65	1	ZJX0708	1	/	/	/	/	/	
DG110KE/KSE	D6B135Z-D20	B9600-1109101	1	231-1105010	1	640-1012210A	1	/	/	/	/	/	/	/	
DG125KE/KSE	D6B155L-D21	B9600-1109101	1	231-1105010	1	640-1012210A	1	/	/	/	/	/	/	/	
DG145KE/KSE	D6B155L-D21	B9600-1109101	1	231-1105010	1	640-1012210A	1	/	/	/	/	/	/	/	

Pictures for reference only, details refer to our datasheet

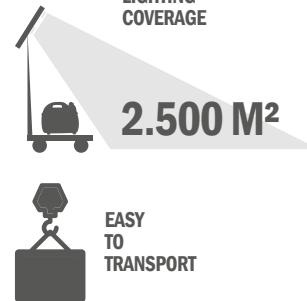
LIGHTING
TOWER
LED**LIGHTING TOWER****LT600-LED****Features:**

The light towers are perfect for multiple applications. For maximum fuel economy and reliability, the LED tower with its LED lighting technology offers a wide range of benefits and represents an exceptional lifetime value.

It offers robustness and security.



MODEL	LT600-LED
Led Light Tower	LED
Max Height	5,2 M
Elevation System	Manual
Spotlights	4 X 150 W
Useful life LED	3.000 hours
Max coverage	2500 M ²
Wheel	Pneumatic
Platform Measures	700x600x570 mm
Box measures	1550x990x590 mm
Weight	150 kg





Kat Power International, S.L.
Avda. Alguema, 6C
17771 Sta. Llogaia Alguema
SPAIN
Telephone :+34 972 538521
Facsimile : +34 972 980537
Email:info@itcpower.com

OFICIAL DEALER



Changzhou ITC Power Equipment Manufacturing Co.,Ltd.
No.7 Rongsheng Road,Cuibe, Henglin Town
Changzhou City,Jiangsu Province
P.R.China
Telephone: +86 519 85099001
Facsimile:+86 519 85099002
Email:info@itcpower.com.cn

www.itcpower.com
www.itcpower.com.cn