

PRAMAC GROUP

PRAMAC is a young group characterized by dynamic growth, with a strong presence across the world thanks to its wide product range divided into four Business Divisions:



Handling Systems Hand Pallet Trucks, Electric Pallet Trucks, High Lift Pallet Trucks, Stackers.



Power Systems Portable Gensets, Water Pumps, Electric Welders, High Pressure Washers.



Service and Parts A full line of spare parts and accessories for all Pramac products and a dedicated worldwide after sales service organisation.



POWER ENGINEERING

Our Power Engineering division is the natural result of the experience acquired by Pramac Group in the power field, and of the growth which has contributed in strengthening its consolidated knowledge. This division is, in fact, specialised in the production of a wide, versatile range of generators from 6kVA to 2500kVA, able to satisfy all applications and requirements. Commercial agreements with some of the most important companies in this industry guarantee quality, reliability and durability for all our products and solutions. All models are carefully designed to meet the different needs of our customers. Pramac has the experience and technical know-how to develop solutions to answer every kind of request. The Power Engineering product range is divided into:

- **GenerPower** A wide range of professional gensets from 6 to 2500kVA
- **PowerOnRent** A range of 15kVA to 250kVA generators suitable for the rental market
- **Customized Solutions** Tailored solutions to meet special requirements until 2500kVA.

SECTORS OF ACTIVITY

- **Industrial:** To ensure constant and reliable power supply.
- **Communications:** For uninterrupted services and equipment/data integrity.
- **Agriculture:** Power supply available for all kinds of application.
- **Residential application:** Peace of mind during power outages.
- **Co-Generation:** when demand for power and heat combine, requiring systems to provide both energy and heat supplies.

POWER ENGINEERING 500 - 2500 KVA

To complete the Power Engineering range, there are also 3 series of generators available in either open or canopied versions, 50 Hz and 60 Hz.

GPW (MITSUBISHI)

from 1370 to 2220 kVA Mitsubishi engines

GPW (MTU)

from 725 to 2300 kVA MTU engines

GPW (PERKINS)

from 640 to 1520 kVA Perkins engines



OPEN SET
OIL COOLED

SERIES **GSL**30D-42D

GSL30D-42D: **An alternative power supply**

Reliable, excellent performers and easily installed, this series is perfect for use in any location not connected to a main power supply.



Reliability

Engine and alternator ensure a constant, high quality power supply for the most demanding applications.

Easier to use

New design gives easy access for maintenance and repair work.

Large autonomy

Extended fuel capacity means continuous performance.

Security

Gensets are safeguarded against unauthorised use and minimise the potential of accidental damage.

MODEL		GSL30D	GSL42D
PRIME POWER	kVA/kWe	33,8/27,0	46,7/37,3
EMERGENCY POWER	kVA/kWe	34,4/27,5	49,1/39,3
ENGINE	DEUTZ	F4M 2011	BF4M 2011
AUTONOMY (75% LOAD)	h	14,3	10,7
FUEL TANK.	Lit/USGal	90/24	90/24
DIMENSIONS (LxWxH)	mm	1800x750x1720	1800x750x1720
DIMENSIONS (LxWxH)	inch	71x30x68	71x30x68
WEIGHT	Kgs/Lbs	714/1.574	761/1.678

ALL PRODUCTS ARE EPA APPROVED

PRIME POWER (PRP) (ISO 3046) RATING: PERMISSIBLE POWER OUTPUT WITH NO TIME LIMITATION, PLUS 5% EXTRA POWER FOR GOVERNING PURPOSES

EMERGENCY POWER (LTP) (ISO 3046) RATING: MAXIMUM POWER WHICH CAN BE DELIVERED FOR UP TO 500 HOURS PER YEAR OF WHICH A MAXIMUM OF 300 HOURS IS CONTINUOUS RUNNING

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

**OPEN SET
OIL COOLED**

SERIES **GSL**30D-42D



Economic

- Engines with long maintenance intervals and low fuel consumption (tO).
- The brushless construction of the generator assures a long service life.

Large autonomy

- High capacity fuel tank for longer work without fuel refilling (tO).



Safety

- All metal parts are connected to an external grounding point. Fault currents are connected to the ground for your safety.
- Visible and accessible emergency shutdown switch (tO) protects against incorrect use of the generator.

Reliability

- In oil cooled engines, the single fluid for both cooling and lubrication avoids corrosion and cavitation.
- Deutz engines extremely high load acceptance capacity ensures instant electricity supply.
- They respond quickly to load fluctuations. In addition, the application will not suffer from frequency deviations.
- Highly efficient alternators.
- Constant supply guaranteed by the electronic voltage regulator under any generator operating condition.
- Anti-vibration isolators (tO) ensure vibration free operation.



Facility of use

- High efficiency air filter (tO) with easy removable cartridge.
- A large number of options available for any kind of special application.
- Generating sets are delivered ready to start and they require no special foundations, so that they can be installed anywhere.
- Easy access to the fuel filling cap which is mounted on the base frame.

Security

- Hot parts protection against accidental contact.
- Moving and rotating parts protection against accidental contacts.
- The exhaust gas emissions meet the most restrictive regulations.
- The engine protection (stop solenoid) guarantees the shutdown of the machine when an engine failure occurs.
- Industrial silencer (tO) to reduce engine noise emissions.



The producer reserves the right to introduce changes to models and features without prior notice. Models, version and associated products characteristics can vary according to the markets.

CERTIFICATION

Production sites according to ISO 9001 / ISO 14001 directions



SERVICE

After sales service world wide.
12 months warranty.
All the gensets are completely tested before dispatch.



SERIES

GSL_{30D-42D} - GSW_{15P-22P}
GSW_{65D-170D}

GSL30D-42D - GSW15P-22P GSW65D-170D: Rental Energy

This range of generators is suitable for any application. They have all the features associated with Pramac Generators; low noise, security, greatly extended running time and versatility in all applications. The perfect sets for rental.



Large autonomy

Extended fuel tank capacity means continuous performance.

Safety

Generating sets designed with safety in mind – our commitment to personal protection.

Ease of handling

Easy transportation – less effort required to move the generator.

Silent

High efficiency in reducing noise to the minimum.

MODEL		GSW15P	GSW22P	GSL30D	GSL42D	GSW65D	GSW80D	GSW110D	GSW145D	GSW170D
PRIME POWER	kVA/kWe	14,5/11,6	21,6/17,3	33,8/27,0	46,7/37,3	65,9/52,7	79,4/63,5	107/85	139/111	168/135
EMERGENCY POWER	kVA/kWe	16,0/12,8	23,6/18,8	34,4/27,5	49,1/39,3	72,5/58,0	89,5/71,6	112/90	145/116	177/142
ENGINE		PERKINS 403C-15G	PERKINS 404C-22G	DEUTZ F4M 2011	DEUTZ BF4M 2011	DEUTZ BF4M 2012 G2	DEUTZ BF4M 2012 C	DEUTZ BF4M 1013 EC	DEUTZ BF6M 1013 E	DEUTZ BF6M 1013 EC
AUTONOMY (75% LOAD)	h	17,3	12,1	19,0	14,3	28,1	24,8	19,4	14,7	13,1
FUEL TANK CAPAC.	Lit/USGal	55/15	55/15	120/32	120/32	340/90	340/90	340/90	340/90	340/90
SOUND POWER LEVEL	LWA	87	90	94	96	102	102	102	101	100
SOUND PRESSURE AT 7 M	dB(A)	62	65	69	71	77	77	77	76	75
DIMENSIONS (LxWxH)	mm	1800x830x1295	1800x830x1295	2225x1100x1290	2225x1100x1290	2710x1180x1535	2710x1180x1535	3000x1150x1680	3400x1250x1680	3400x1250x1680
DIMENSIONS (LxWxH)	inch	71x33x51	71x33x51	88x43x51	88x43x51	107x46x60	107x46x60	118x45x66	134x49x66	134x49x66
WEIGHT	Kgs/Lbs	740/1.632	800/1.764	974/2.148	1064/2.346	1300/2.867	1460/3.219	1900/4.190	2180/4.807	2250/4.961

ALL PRODUCTS ARE EPA APPROVED

PRIME POWER (PRP) (ISO 3046) RATING: PERMISSIBLE POWER OUTPUT WITH NO TIME LIMITATION, PLUS 5% EXTRA POWER FOR GOVERNING PURPOSES

EMERGENCY POWER (LTP) (ISO 3046) RATING: MAXIMUM POWER WHICH CAN BE DELIVERED FOR UP TO 500 HOURS PER YEAR OF WHICH A MAXIMUM OF 300 HOURS IS CONTINUOUS RUNNING

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

SERIES **GSL**_{30D-42D} - **GSW**_{15P-22P} **GSW**_{65D-170D}

Facility of handling

- Reinforced steel base frame with bolted support legs to facilitate installation and fork truck transport.
- A central lifting bridge (t) allows the unit to be easily lifted by a crane.



Large autonomy

- High capacity fuel tank for longer running time without fuel refilling (t).

Safety

- All metal parts are connected to an external grounding point. Fault currents are connected to the ground for your safety.
- Visible and accessible emergency shutdown switch protects against incorrect use of the generator.
- The whole panel is protected by a lockable door (t).



Silent

- Soundproof canopy built in high quality steel and sound attenuating material reduces noise emissions to a minimum (t).
- Highly efficient silencer reduces noise emissions for sensitive locations operating.
- Anti-vibration isolators ensure vibration free operation.

Reliability

- Constant supply guaranteed by the electronic voltage regulator under any operating condition.
- In oil cooled engines (GSL), the single fluid for both cooling and lubrication avoids corrosion and cavitations (t).
- Deutz engines have extremely high load acceptance capacity and respond quickly to load fluctuations.



Security

- Lockable fuel cap, positioned to avoid damage, prevents unauthorised access
- One key system for doors, fuel cap and engine start (GSL)
- Access doors are equipped with lockable handles.
- The engine protection (stop solenoid) guarantees shutdown when an engine failure occurs.
- The exhaust gas emissions meet the most restrictive regulations. (t)
- Leak proof tray for liquid containment eliminates the possibility of environmental contamination

Easy maintenance

- Engine maintenance is easier through large doors.
- Front panels are completely detachable. Easy access for radiator cleaning and alternator service (t).
- A sturdy manual oil drain pump is included.
- External fuel filling for easier supply of fuel (GSL).



Rental optional kits



- Manual analogic control panel
- The heavy duty galvanized skid allows haulage on work site
- Two slots on each side have been incorporated so that the generator can safely be transported by a fork truck
- Three way fuel valve for connection to external tank improves the autonomy of the generating set for extended shift work
- Leak proof tray for liquid containment eliminates the possibility of environmental contamination
- A battery isolation switch disconnects system's batteries in case of maintenance
- Heavy duty fuel filter with water separator and drain improves the fuel quality protecting the injection system against solid and liquid impurities

CERTIFICATION

Production sites according to ISO 9001 / ISO 14001 directions



CONFORMS
TO THE EUROPEAN
SAFETY RULES

SERVICE

After sales service world wide.
12 months warranty.
All the gensets are completely
tested before dispatch.

SOUND PROOF
OIL COOLED

SERIES **GBL**30D-42D

GBL30D-42D: **A source of continuous power**

This range has been designed to meet particular market needs. The most suitable application is on construction sites, where durability and reliability are required to supply constant power to applications such as lighting, cranes, concrete mixers and conveyor belts. With low noise emissions, they are also suitable for open air activities, such as shows or sporting events.



Reliability

Engine and alternator ensure a constant, high quality power supply for the most demanding applications.

Easier to use

New design gives easy access for maintenance and repair work.

Large autonomy

Extended fuel capacity means continuous performance.

Silent

High efficiency in reducing noise to the minimum.

MODEL		GBL30D	GBL42D
PRIME POWER	kVA/kWe	33,8/27,0	46,7/37,3
EMERGENCY POWER	kVA/kWe	34,4/27,5	49,1/39,3
ENGINE	DEUTZ	F4M 2011	BF4M 2011
AUTONOMY (75% LOAD)	h	8,1	6,1
FUEL TANK CAPAC.	Lit/USGal	51/13	51/13
SOUND POWER LEVEL	LWA	94	96
SOUND PRESSURE AT 7 M	dB(A)	69	71
DIMENSIONS (LxWxH)	mm	2000x920x1300	2000x920x1300
DIMENSIONS (LxWxH)	inch	79x36x51	79x36x51
WEIGHT	Kgs/Lbs	848/1.870	942/2.077

ALL PRODUCTS ARE EPA APPROVED

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EMERGENCY POWER (LTP) (ISO 3046) RATING: MAXIMUM POWER WHICH CAN BE DELIVERED FOR UP TO 500 HOURS PER YEAR OF WHICH A MAXIMUM OF 300 HOURS IS CONTINUOUS RUNNING

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

SOUND PROOF
OIL COOLED

SERIES GBL30D-42D

Facility of handling

- A central lifting bridge allows the unit to be easily lifted by a crane.
- Canopy structure redesigned for extra strength allows gensets stacking (t6).



Large autonomy

- High capacity fuel tank (t6) for longer work without fuel refilling.

Silent

- Soundproof canopy built in high quality steel and sound attenuating material reduces noise emissions to a minimum.
- Highly efficient silencer reduces noise emissions for sensitive locations operating.
- Anti-vibration isolators ensure a vibration free standing of the generating set.
- Certification of approval in compliance with annex 8 of directive 2000/14/EC relating to environmental noise emission by equipment for outdoor use. (only on 50Hz range)



Easier use

- External fuel filling (t6) for easier supply of fuel .
- They require no special foundations, so that the units can be installed anywhere.

Reliability

- In oil cooled engines (t6), the single fluid for both cooling and lubrication avoids corrosion and cavitations.
- Deutz engines extremely high load acceptance capacity ensures instant electricity supply.
- They respond quickly to load fluctuations. In addition, the application will not suffer from frequency deviations.
- Highly efficient alternators.
- Constant supply guaranteed by the electronic voltage regulator under any generator operating condition.
- Rated capacity battery for immediate engine start.



Security

- The engine protection (stop solenoid) guarantees the shutdown of the machine when an engine failure occurs.
- The exhaust gas emissions meet the most restrictive regulations.
- Access doors are equipped with lockable handles (t6).

Easier maintenance

- Optical fuel level (t6) for an easier fuel check.
- Engine service points are accessible from one side.
- The maintenance is easier through large doors.
- An oil drain pipe with cap is included.



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CERTIFICATION

Production sites according to ISO 9001 / ISO 14001 directions



SERVICE

After sales service world wide.
12 months warranty.
All the gensets are completely tested before dispatch.

OPEN SET
WATER COOLED

SERIES GSW_{65D-560D}

GSW65D-560D: Energy for public and industrial uses

With reliable and versatile accessories, these generators are able to meet many different needs, suitable for specific applications such as telecommunications.



Large autonomy

Extended fuel capacity means continuous performance.

Ease of handling

Easy transportation – less effort required to move the generator.

Security

Generators are safeguarded against unauthorised use and minimise the potential of accidental damage.

Economic

A long life time and very little maintenance mean very low operation costs.

MODEL		GSW65D	GSW80D	GSW110D	GSW145D	GSW170D	GSW195D	GSW220D	GSW530D	GSW560D
PRIME POWER	kVA/kWe	65,9/52,7	79,4/63,5	107/85	139/111	168/135	207/166	230/184	469/375	542/433
EMERGENCY POWER	kVA/kWe	72,5/58,0	89,5/71,6	112/90	145/116	177/142	228/182	255/204	518/414	594/475
ENGINE	DEUTZ	BF4M 2012 G2	BF4M 2012 C	BF4M 1013 EC	BF6M 1013 E	BF6M 1013 EC	BF6M 1013 FCP G2	BF6M 1013 FCP G3	BF8M 1015C G1	BF8M 1015CP
AUTONOMY (75% LOAD)	h	19,8	17,5	13,7	10,8	9,6	11,0	10,0	7,6	6,5
FUEL TANK CAPAC.	Lit/USGal	240/63	240/63	240/63	250/66	250/66	410/108	410/108	636/168	636/168
DIMENSIONS (LxWxH)	mm	2200x1000x1620	2200x1000x1620	2200x1000x1620	2600x1000x1620	2600x1000x1620	2650x1100x1965	2650x1100x1965	3300x1650x2105	3300x1650x2120
DIMENSIONS (LxWxH)	inch	87x39x64	87x39x64	87x39x64	102x39x64	102x39x64	104x43x77	104x43x77	130x65x83	130x65x83
WEIGHT	Kgs/Lbs	865/1.907	945/2.084	1326/2.924	1545/3.407	1615/3.561	1980/4.366	2030/4.476	3860/8.511	3910/8.622

ALL PRODUCTS ARE EPA APPROVED







PRIME POWER (PRP) (ISO 3046) RATING: PERMISSIBLE POWER OUTPUT WITH NO TIME LIMITATION, PLUS 5% EXTRA POWER FOR GOVERNING PURPOSES

EMERGENCY POWER (LTP) (ISO 3046) RATING: MAXIMUM POWER WHICH CAN BE DELIVERED FOR UP TO 500 HOURS PER YEAR OF WHICH A MAXIMUM OF 300 HOURS IS CONTINUOUS RUNNING

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

OPEN SET WATER COOLED

SERIES GSW 65D-560D

	Economic <ul style="list-style-type: none"> The brushless construction of the generator assures a long service life Engines with long maintenance intervals and low fuel consumption (10) 	
Large autonomy <ul style="list-style-type: none"> High capacity fuel tank for longer work without fuel refilling (10) 		Safety <ul style="list-style-type: none"> Visible and accessible emergency shutdown switch protects against incorrect use of the generator. All metal parts are connected to an external grounding point (10). Fault currents are connected to the ground for your safety
Reliability  <ul style="list-style-type: none"> Deutz engines extremely high load acceptance capacity ensures instant electricity supply. They respond quickly to load fluctuations. In addition, the application will not suffer from frequency deviations. Highly efficient alternators (10). Constant supply guaranteed by the electronic voltage regulator under any generator operating condition. 	Easier to use  <ul style="list-style-type: none"> Generating sets are delivered ready to start and they require no special foundations, so that they can be installed anywhere. A large number of optional available for any kind of special use you may require. Easy access to the fuel filling cap which is mounted on the base frame. High efficiency air filter (10) with easy removable cartridge. 	Security  <ul style="list-style-type: none"> The exhaust gas emissions meet the most restrictive regulations. Hot parts protection against accidental contact (10). The engine protection (stop solenoid) guarantees the shutdown of the machine when an engine failure occurs. Moving and rotating parts protection against accidental contacts. Industrial silencer to reduce engine noise emissions.

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CERTIFICATION	SERVICE
Production sites according to ISO 9001 / ISO 14001 directions  CONFORMS TO THE EUROPEAN SAFETY RULES	After sales service world wide. 12 months warranty. All the gensets are completely tested before dispatch.

SOUND PROOF
WATER COOLED

SERIES GSW 195D-560D

GSW195D-560D: **Suitable for specific applications**

These generators are designed for stand-by applications, and fulfill the demand for “silent” power. Sturdy and reliable, like all Pramac machines, the “silent” power is guaranteed by full conformity to directive 2000/14/EC, related to environmental noise emissions (only on 50hz range)



Reliability

Engine and alternator ensure a constant, high quality power supply for the most demanding applications.

Economic

A long life time and very little maintenance mean very low operation costs.

Easier to use

New design gives easy access for maintenance and repair work.

Safety

Generating sets designed with safety in mind – our commitment to personal protection.

MODEL		GSW195D	GSW220D	GSW530D	GSW560D
PRIME POWER	kVA/kWe	207/166	230/184	469/375	542/433
EMERGENCY POWER	kVA/kWe	228/182	255/204	518/414	594/475
ENGINE	DEUTZ	BF6M 1013 FCP G2	BF6M 1013 FCP G3	BF8M 1015C G2	BF8M 1015CP
AUTONOMY (75% LOAD)	h	9,1	8,3	7,6	6,5
FUEL TANK CAPAC.	Lit/USGal	340/90	340/90	636/168	636/168
SOUND POWER LEVEL	LWA	104	104	99	102
SOUND PRESSURE AT 7 M	dB(A)	79	79	74	77
DIMENSIONS (LxWxH)	mm	3400x1250x2070	3400x1250x2070	4300x1650x2270	4300x1650x2270
DIMENSIONS (LxWxH)	inch	134x49x81	134x49x81	169x65x89	169x65x89
WEIGHT	Kgs/Lbs	2700/5.954	2700/5.954	5130/11.312	5155/11.367

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EMERGENCY POWER (LTP) (ISO 3046) RATING: MAXIMUM POWER WHICH CAN BE DELIVERED FOR UP TO 500 HOURS PER YEAR OF WHICH A MAXIMUM OF 300 HOURS IS CONTINUOUS RUNNING

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

SOUND PROOF
WATER COOLED

SERIES GSW 195D-560D

Facility of handling

- A central lifting bridge (t) allows the unit to be easily lifted by a crane.



Economic

- The brushless construction of the generator assures a long service life.
- Engines with long maintenance intervals and low fuel consumption (t).

Silent

- Soundproof canopy built in high quality steel and sound attenuating material reduces noise emissions to a minimum.
- Highly efficient silencer reduces noise emissions for sensitive locations operating
- Anti-vibration isolators ensure vibration free operation.
- Certification of approval in compliance with section 8 of directive 2000/14/EC relating to environmental noise emission by equipment for outdoor use. (only on 50Hz range)



Safety

- All metal parts are connected to an external grounding point. Fault currents are connected to the ground for your safety.
- Visible and accessible emergency shutdown switch protects against incorrect use of the generator.
- Control and power access are protected by a lockable front door (t).

Reliability



- Deutz engines extremely high load acceptance capacity ensures instant electricity supply.
- They respond quickly to load fluctuations. In addition, the application will not suffer from frequency deviations .
- Highly efficient alternators
- Constant supply guaranteed by the electronic voltage regulator (t) under any generator operating condition.
- Rated capacity battery for immediate engine start.



Security

- The exhaust gas emissions meet the most restrictive regulations.
- The engine protection (stop solenoid) guarantees the shutdown of the machine when an engine failure occurs.
- Access doors are equipped with lockable handles.
- Soundproofing materials (t) are highly fireproof.

Easier use

- A sturdy manual oil drain pump is included.
- Front panels are completely detachable. Easy access (t) for radiator cleaning and alternator service.
- Engine service points are accessible from one side through large doors.



CERTIFICATION

Production sites according to ISO 9001 / ISO 14001 directions



SERVICE

After sales service world wide.
12 months warranty.
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OPEN SET
WATER COOLED

SERIES **GSW**275V-590V

GSW275V-590V: **Power in isolation**

A continuous supply of power, provided by high power output and extended running time, makes this range of generators the most suitable for powering sites not connected to a mains power supply. This range is also ideal for running lighting systems during a power failure.



Powerful

The generating set produces a constant power with independence of load characteristics.

Easy maintenance

New design gives easy access for maintenance and repair work.

Large autonomy

Extended fuel capacity means continuous performance.

Security

Generators are safeguarded against unauthorised use and minimise the potential of accidental damage.

MODEL		GSW275V	GSW330V	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V
PRIME POWER	kVA/kWe	269/215	351/281	417/334	463/371	512/409	576/461	632/505
EMERGENCY POWER	kVA/kWe	296/237	389/311	459/367	510/408	570/456	648/519	695/556
ENGINE	VOLVO	TAD 740 GE	TAD 941 GE	TAD 1241 GE	TAD 1242 GE	TAD 1640 GE	TAD 1641 GE	TAD 1642 GE
AUTONOMY (75% LOAD)	h	9,9	10,6	9,1	8,1	7,5	6,7	5,8
FUEL TANK CAPAC.	Lit/USGal	448/118	636/168	636/168	636/168	636/168	636/168	636/168
DIMENSIONS (LxWxH)	mm	2950x1300x1800	3300x1400x1887	3300x1400x1917	3300x1400x1917	3500x1500x2120	3500x1500x2120	3500x1500x2120
DIMENSIONS (LxWxH)	inch	116x51x71	130x55x74	130x55x75	130x55x75	138x59x83	138x59x83	138x59x83
WEIGHT	Kgs/Lbs	2245/4.950	2800/6.174	3010/6.637	3100/6.836	3600/7.938	3770/8.313	3850/8.489

ALL PRODUCTS ARE EPA APPROVED

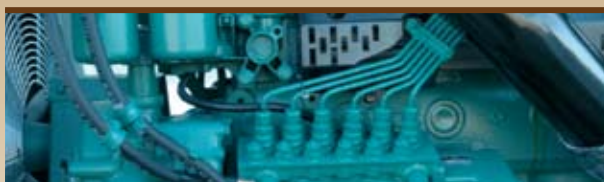
PRIME POWER (PRP) (ISO 8528) RATING: PERMISSIBLE POWER OUTPUT AT VARIABLE LOAD FOR AN UNLIMITED NUMBER OF HOURS. A 10% OVERLOAD CAPABILITY IS AVAILABLE

EMERGENCY POWER (LTP) (ISO 8528) RATING: STANDBY POWER AT VARIABLE LOAD. NO OVERLOAD CAPACITY IS AVAILABLE

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

OPEN SET WATER COOLED

SERIES GSW_{275V-590V}



Reliable and powerful

- Thanks to the electronic governor Volvo Penta engines have an improved capacity to recover frequency after an abrupt load application.
- Tropicalised alternator continuously maintaining very good insulation level. The impregnation with epoxy resins protects the alternator windings particular environmental conditions.
- Highly efficient alternators.
- Constant supply guaranteed by the electronic voltage regulator under any generator operating condition.
- The in-line six cylinders engine design (T6) gives life to a wellbalanced system producing smooth and vibration-free performance, with a low noise level.

Economic

- Excellent combustion and low fuel consumption due to low internal losses.
- The brushless construction of the generator (T6) assures a long service life.



Safety

- All metal parts are connected to an external grounding point. Fault currents are connected to the ground for your safety.
- Visible and accessible emergency shutdown switch (T6) protects against incorrect use of the generator.



Security

- The engine protection (stop solenoid) guarantees the shutdown of the machine when an engine failure occurs.
- Hot parts protection against accidental contact.
- The exhaust gas emissions meet the most restrictive regulations.
- Moving and rotating parts protection against accidental contacts.
- Industrial silencer (T6) to reduce engine noise emissions.



Large autonomy

- High capacity fuel tank for longer work without fuel refilling (T6).



Easier use and maintenance

- A sturdy manual oil drain pump (T6) is included.
- Easily accessible service and maintenance points contribute to machine's ease of service.
- Generating sets are delivered ready to start and they require no special foundations, so that they can be installed anywhere.
- Easy access to the fuel filling cap which is mounted on the base frame.



CERTIFICATION

Production sites according to ISO 9001 / ISO 14001 directions



SERVICE

After sales service world wide.
12 months warranty.
All the gensets are completely tested before dispatch.

SOUND PROOF
WATER COOLED

SERIES **GSW** 275V-590V

GSW275V-590V: Silent Power for public and industrial uses

Low noise emissions, conformity to gas emission laws and high security (lockable panels, fireproof canopy) make these sets ideal for any public (hospitals, supermarkets, restaurants) or industrial application.



Large autonomy

Extended fuel capacity means continuous performance.

Ease of handling

Easy transportation – less effort required to move the generator.

Security

Gensets are safeguarded against unauthorised use and minimise the potential of accidental damage.

Silent

High efficiency in reducing noise to the minimum.

MODEL		GSW275V	GSW330V	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V
PRIME POWER	kVA/kWe	269/215	351/281	417/334	463/371	512/409	576/461	632/505
EMERGENCY POWER	kVA/kWe	296/237	389/311	459/367	510/408	570/456	648/519	695/556
ENGINE	VOLVO	TAD 740 GE	TAD 941 GE	TAD 1241 GE	TAD 1242 GE	TAD 1640 GE	TAD 1641 GE	TAD 1642 GE
AUTONOMY (75% LOAD)	h	9,9	10,6	9,1	8,1	7,5	6,7	5,8
FUEL TANK CAPAC.	Lit/USGal	448/118	636/168	636/168	636/168	636/168	636/168	636/168
SOUND POWER LEVEL	LWA	98	99	99	98	99	103	102
SOUND PRESSURE AT 7 M	dB(A)	73	74	74	73	74	78	77
DIMENSIONS (LxWxH)	mm	3550x1360x2016	3950x1460x2095	3950x1460x2095	3950x1460x2095	4400x1560x2250	4400x1560x2250	4400x1560x2250
DIMENSIONS (LxWxH)	inch	140x54x79	156x57x82	156x57x82	156x57x82	173x61x89	173x61x89	173x61x89
WEIGHT	Kgs/Lbs	3165/6.979	4000/8.820	4160/9.173	4200/9.261	5380/11.863	5730/12.635	5810/12.811

ALL PRODUCTS ARE EPA APPROVED

PRIME POWER (PRP) (ISO 8528) RATING: PERMISSIBLE POWER OUTPUT AT VARIABLE LOAD FOR AN UNLIMITED NUMBER OF HOURS. A 10% OVERLOAD CAPABILITY IS AVAILABLE

EMERGENCY POWER (LTP) (ISO 8528) RATING: STANDBY POWER AT VARIABLE LOAD. NO OVERLOAD CAPACITY IS AVAILABLE

ALL MODELS COMPLY WITH TA LUFT-4000 REGULATION

SOUND PROOF WATER COOLED

SERIES GSW_{275V-590V}

Silent

- Soundproof canopy built in high quality steel and sound attenuating material reduces noise emissions to a minimum.
- Highly efficient silencer (t) reduces noise emissions for sensitive locations operating.
- Anti-vibration isolators ensure a vibration free standing of the generating set.
- Certification of approval in compliance with annex 8 of directive 2000/14/EC relating to environmental noise emission by equipment for outdoor use. (only on 50Hz range)



Facility of handling

- A central lifting bridge (t) allows the unit to be easily lifted by a crane.

Reliable and powerful



- Thanks to the electronic governor Volvo Penta engines (t) have an improved capacity to be able to recover frequency after an abrupt load application.
- Tropicalised alternator continuously maintaining very good insulation level. The impregnation with epoxi resins protects the alternator windings particular environmental conditions.



Security

- The engine protection (stop solenoid) guarantees the shutdown of the machine when an engine failure occurs.
- The exhaust gas emissions meet the most restrictive regulations (t).
- Access doors are equipped with lockable handles.
- Soundproofing materials are highly fireproof.

Easier use and maintenance

- Easily accesible service (t) and maintenance points through large doors contribute to the ease of service of the machine.
- A sturdy oil drain pump is included.



The producer reserves the right to introduce changes to models and features without prior notice. Models, version and associated products characteristics can vary according to the markets.

CERTIFICATION

Production sites according to ISO 9001 / ISO 14001 directions



CONFORMS
TO THE EUROPEAN
SAFETY RULES

SERVICE

After sales service world wide.
12 months warranty.
All the gensets are completely
tested before dispatch.

CONTROL

PANELS



CONTROL PANELS

DEFINITIONS

Prewired Genset

The Generating Set is supplied without a control panel. All the controls and alarms coming from the engine and the alternator are wired to a terminal board, for an easy external control panel connection. This is the ideal solution for markets and applications that require special controls (such as synchronising panels).

MCP (Manual Control Panel)

The generating set is supplied with a manual control panel, mounted on the genset. The panel on the base frame (open set version) or in the canopy (soundproof version), includes a manual control unit (push button / key start type), main circuit breaker (under request), and all auxiliary controls and alarms. Power cables between generator and circuit breaker are included.

ACP (Automatic Control Panel)

The generating set is supplied with an automatic control panel, mounted on the genset. The panel on the base frame (open set version) or in the canopy (soundproof version), includes an automatic control unit that starts the genset in case of mains failure (it can be started manually too), main circuit breaker (under request), and all auxiliary controls and alarms. Power cables between generator and circuit breaker are included. All controls are wired to a plinth row installed in the control panel for an easy external Load Transfer Switch (LTS).

AST (AutoStart Control Panel)

The generating set is supplied with an autostart control panel, mounted on the genset. The panel on the base frame (open set version) or in the canopy (soundproof version), includes an autostart control unit (push button / external starting capability), main circuit breaker (under request), battery charger and all auxiliary controls and alarms. Power cables between generator and circuit breaker/terminal board are included. A very simple connection to an external ATS panel is provided.

AMF (Automatic Mains Failure Start Control Panel)

This panel is built in a metal cabinet and supplied separate of the genset (free standing, for wall mounting). It is an option of the genset prewired. It includes an automatic control unit that starts the genset in case of mains failure (it can be started manually too), two change over contactors electrically and mechanically interlocked (for transferring the load between mains and generating set) and all auxiliary controls and alarms. All these controls and alarms are wired to a plinth row installed in the control panel for an easy connection to the genset pre-wired.

LTS panel

The LTS panel is built in a metal cabinet and supplied separate of the genset (free standing, for wall mounting). It is an option of the ACP panel. The panel includes two change over contactors electrically and mechanically interlocked (for transferring the load between mains and generating set) and all auxiliary controls. All these controls are wired to a plinth row installed in the panel for an easy connection to the ACP panel (that is mounted on the genset).

MANUAL AND AUTOSTART PANELS CONTROL

GSL30D-42D / GSW65D-220D OP. SET



GSL30D-42D / GSW15P-22P
GSW65D-220D SOUNDPROOF



GBL30D-42D
SOUNDPROOF



GSL30D-42D / GSW15P-22P
GSW65D-220D
OPEN SET + SOUNDPROOF (OPTION)



GSW65D-220D
OPEN SET + SOUNDPROOF (OPTION)



MANUAL AND AUTOSTART PANELS CONTROL

MANUAL CONTROL PANELS EQUIPMENT, THREE PHASE, 480V/277V & 208/127V, 60HZ

SERIES	GSL - GSW65D-220D (OP)		GSL - GSW15-22P-GSW65-220D (SND)		GBL
Analogue/Digital instrumentation	D	A	D	A	A
Generating set voltage (1 or 3 phases)	3	3	3	3	3
Generating set ammeter (1 or 3 phases)	3	3	3	3	3
Generator frequency	•	•	•	•	•
Hoursmeter	•	•	•	•	•
Battery voltage	•	-	•	-	-
Speed	•	-	•	-	-
Power (kVA, kW, kVAR, cos phi)	•	-	•	-	-
Fuel level	•	•	•	•	-
Oil pressure	-(1)	•	-(1)	•	-
Engine temperature	•	•	•(2)	•	-
ALARMS					
Over-frequency	•	-	•	-	-
Battery charger failure	-	•	-	•	•
Battery voltage out of limits	•	-	•	-	-
Low fuel level	•	•	•	•	-
Low oil pressure	•	•	•	•	•
High temperature	•	•	•	•	•
External shutdown	•	-	•	-	-
SHUTDOWN PROTECTIONS					
Generator voltage out of limits	•	-	•	-	-
Over-load	•	-	•	-	-
Frequency out of limits	•	-	•	-	-
Battery charger failure	-	•	-	•	•
Low fuel level	•	•	•	•	-
Low oil pressure	•	•	•	•	•
High temperature	•	•	•	•	•
OTHER FEATURES					
EU socket kit	-	-	○	○	-
Circuit breaker	○	○	○	○	○
Differential protection	○	○	○	○	-
Terminal board	-	-	•	•	•
Emergency stop button	•	•	•	•	•
Battery charger	○	○	○	○	○
External start capability	•	○	•	○	○

•: Standard

○: Optional

(-): Not available

(1): Only on GSW195D-220D

(2): Not available on GSW15-22P

AUTOMATIC CONTROL PANELS

GBL30D-42D
SOUNDPROOF



GSL30D-42D/GSW65D-170D / 195D-220D
OP. SET



GSL30D-42D/GSW15P-22P / GSW65D-220D
SOUNDPROOF



GSW530D-GSW560D OPEN SET + SOUNDPROOF
GSW275V-GSW590V OPEN SET + SOUNDPROOF



LOAD TRANSFER SWITCH PANELS



AUTOMATIC MAINS FAILURE PANELS

GBL30D-42D SOUNDPROOF



GSL30D-42D/GSW65D-560D
GSW275V-590V OPEN SET
GSL22D-42D/GSW15P-22P/GSW65D-560D
GSW275V-590V SOUNDPROOF



ACP - AMF PANELS

AUTOMATIC CONTROL PANELS EQUIPMENT, THREE PHASE, 480V/277V & 208/127V, 60HZ

SERIES	GSL-GSW65-220D (OP)		GSL-GSW15-22P-GSW65-220D (SP)		GBW/GBL		GSW530D-560D (OP) (SP)		GSW275V-590V (OP) (SP)		GSL - GSW15P-220D (OP) (SP)
	ACP Digital	AMF Panel	ACP Digital	AMF Panel	ACP Digital	AMF Panel	ACP Digital	AMF Panel	ACP Digital	AMF Panel	AST (Basler)
Analogue/Digital instrumentation	D	D	D	D	D	D	D	D	D	D	D
Generating set voltage (1 or 3 phases)	3	3	3	3	1	1	3	3	3	3	3
Mains voltage	•	•	•	•	•	•	•	•	•	•	-
Generating set ammeter (1 or 3 phases)	3	3	3	3	1	1	3	3	3	3	3
Generator frequency	•	•	•	•	•	•	•	•	•	•	•
Hoursmeter	•	•	•	•	•	•	•	•	•	•	•
Battery voltage	•	•	•	•	•	•	•	•	•	•	•
Speed	•	•	•	•	-	-	•	•	•	•	•
Power (kVA, kW, kVAR, cos phi)	•	•	•	•	-	-	•	•	•	•	-
Fuel level	•	•	•	•	-	-	•	•	•	•	•
Oil pressure	-(1)	-(1)	-(1)	-(1)	-	-	•	•	•	•	-(1)
Engine temperature	•	•	•(2)	•(2)	-	-	•	•	•	•	•
ALARMS											
Generator voltage out of limits	•	•	•	•	•	•	•	•	•	•	-
Over-load	•	•	•	•	•	•	•	•	•	•	-
Battery charger failure	•	•	•	•	•	•	•	•	•	•	•
Battery voltage out of limits	•	•	•	•	•	•	•	•	•	•	•
Frequency out of limits	•	•	•	•	•	•	•	•	•	•	-
Low fuel level	•	•	•	•	-	-	•	•	•	•	•
Low oil pressure	•	•	•	•	•	•	•	•	•	•	-
High temperature	•	•	•	•	•	•	•	•	•	•	•
Fail to start	•	•	•	•	•	•	•	•	•	•	•
External shutdown	•	•	•	•	-	-	•	•	•	•	-
SHUTDOWN PROTECTIONS											
Generator voltage out of limits	•	•	•	•	•	•	•	•	•	•	-
Over-load	•	•	•	•	•	•	•	•	•	•	-
Frequency out of limits	•	•	•	•	•	•	•	•	•	•	-
Battery charger failure	•	•	•	•	•	•	•	•	•	•	-
Low fuel level	•	•	•	•	-	-	•	•	•	•	•
Low oil pressure	•	•	•	•	•	•	•	•	•	•	-(1)
High temperature	•	•	•	•	•	•	•	•	•	•	•
OTHER FEATURES											
EU socket kit	-	-	○	-	-	-	☒	-	☒	-	-
Circuit breaker	○	-	○	-	○	-	•	-	•	-	○
Differential protection	○	-	○	-	-	-	•	-	•	-	○
Terminal board	•	-	•	-	•	•	•	-	•	-	☐
Emergency stop button	•	•	•	•	•	•	•	•	•	•	•
Acoustic alarm	•	•	•	•	-	•	•	•	•	•	-
Phases detector	•	•	•	•	•	•	•	•	•	•	-
Battery charger	•	•	•	•	•	•	•	•	•	•	•
Terminals for an external panel connexion	•	•	•	•	•	•	•	•	•	•	•
Load Transfer Switch (LTS) panel	○	-	○	-	○	-	○	-	○	-	-
Automatic Transfer Switch (ATS) panel	○	-	○	-	○	-	○	-	○	-	○
Change over contactors	-	•	-	•	-	•	-	•	-	•	-
External start capability	•	•	•	•	•	•	○	○	○	○	•

•: Standard

○: Optional

(-): Not available

☒: Option only on soundproof version

☐: According to ACP features

(1) Only on GSW195D-220D

(2) Not available on GSW15-22P

Sockets availability and characteristics can be modified according to the different markets.

		DEUTZ	
		OIL COOLED	
		GBL/GSL30D	GBL/GSL42D
GEN SET		THREE PHASE VERSION	
Prime power [PRP]	kVA/kWe	33,8/27,0	46,7/37,3
Emergency power [LTP]	kVA/kWe	34,4/27,5	49,1/39,3
Frequency	Hz	60	60
Three Phases Voltage	V	208/120	208/120
ALTERNATOR			
Brand		STAMFORD	
Model		BCI 184 F	BCI 184 J
Efficiency at 3/4	%	85.4	86.7
Power at 27° C	kVA/kWe	33,8/27,0	49,2/39,4
Insulation		CLASS H	
Protection		IP 23	
Regulation		ELECTRONIC (+/- 1,5% WITH 4% ENGINE GOVERNING)	
GEN SET		SINGLE PHASE VERSION	
Prime power [PRP]	kVA/kWe	27,4/27,4	35,0/35,0
Emergency power [LTP]	kVA/kWe	29,6/29,6	37,8/37,8
Frequency	Hz	60	60
One Phase Voltage	V	240/120	240/120
ALTERNATOR			
Brand		STAMFORD	
Model		BCI 184 J	BCI 184 J
Efficiency at 3/4	%	86	83.1
Power at 27° C	kVA/kWe	27,4/21,9	35/28,0
Insulation		CLASS H	
Protection		IP 23	
Regulation		ELECTRONIC (+/- 1,5% WITH 4% ENGINE GOVERNING)	
ENGINE			
Brand		DEUTZ	
Model		F4M2011	BF4M2011
Prime power	kWm	32.8	43.2
Speed	rpm	1800	1800
Intake		NATURAL	TURBO
Cooling		OIL	
Cylinders		4 IN LINE	
Displacement	cm3	3110	3110
Standard governor		MECHANICAL	
Cooling air flow	m3/h	2160	2850
LUBRICATION SYSTEM			
Lubricating oil capacity (1)	l	10	10
FUEL CONSUMPTION			
75% load	l/h	6,3	8,4
100% load	l/h	8,4	11,2
ELECTRIC SYSTEM			
Battery (ACP)	Ah	1X70	1X70
Starting motor	kW	3	3

TECHNICAL FEATURES

SERIES

GSW^{15P-22P}
GSW^{65D-560D}

		PERKINS		DEUTZ									
		WATER COOLED											
		GSW15P	GSW22P	GSW65D	GSW80D	GSW110D	GSW145D	GSW170D	GSW195D	GSWD220D	GSW530D	GSW560D	
GEN SET		THREE PHASE VERSION											
Prime power [PRP]	kVA/kWe	14,5/11,6	21,6/17,3	65,9/52,7	79,4/63,5	107/85	139/111	168/135	207/166	230/184	469/375	542/433	
Emergency power [LTP]	kVA/kWe	16,0/12,8	23,6/18,8	72,5/58,0	89,5/71,6	112/90	145/116	177/142	228/182	255/204	518/414	594/475	
Frequency	Hz	60	60	60	60	60	60	60	60	60	60	60	
Three Phases Voltage	V	208/120	208/120	208/120	208/120	208/120	208/120	208/120	480/277	480/277	480/277	480/277	
ALTERNATOR													
Brand		STAMFORD									MECCALTE		
Model		BCI 164C	BCI 184E	UCI 224E	UCI 224F	UCI 274C	UCI 274E	UCI 274F	UCI 274G	UCI 274H	ECO40 3S	ECO40 3S	
Efficiency at 3/4	%	80.3	83.4	88.8	90	90.2	91.4	92.1	92.7	93.6	95.2	95.2	
Power at 27° C	kVA/kWe	16/12,8	27,5/22,0	70/56,0	88,8/71,0	116,3/93,0	170/136,0	187,5/150,0	246,8/197,4	275/220,0	630/504,0	630/504,0	
Insulation		CLASS H											
Protection		IP 23										IP 21	
Regulation		ELECTRONIC (+/- 1,5% WITH 4% ENGINE GOVERNING)										ELECTRONIC (+ 1% at controlled engine governing)	
GEN SET													
SINGLE PHASE VERSION													
Prime power [PRP]	kVA/kWe	11,7/11,7	17,2/17,2	45,0/45,0	56,0/56,0	82,3/82,3	106/106	130/130	-	-	-	-	
Emergency power [LTP]	kVA/kWe	13,0/13,0	18,8/18,8	49,5/49,5	61,6/61,6	86,6/86,6	112/112	137/137	-	-	-	-	
Frequency	Hz	60	60	60	60	60	60	60	-	-	-	-	
One Phase Voltage	V	240/120	240/120	240/120	240/120	240/120	240/120	240/120	-	-	-	-	
ALTERNATOR													
Brand		STAMFORD							-	-	-	-	
Model		BCI 184E	BCI 184F	UCI 224E	UCI 224F	UCI 274E	UCI 274F	UCI 274H	-	-	-	-	
Efficiency at 3/4	%	82.5	84.2	84.3	86	87.8	87.5	88.6	-	-	-	-	
Power at 27° C	kVA/kWe	16/12,8	18,8/15,0	45/36,0	56/44,8	96/76,8	108,8/87,0	142,5/114,0	-	-	-	-	
Insulation		CLASS H							-	-	-	-	
Protection		IP 23							-	-	-	-	
Regulation		ELECTRONIC (+/- 1,5% WITH 4% ENGINE GOVERNING)							-	-	-	-	
ENGINE													
Brand		PERKINS		DEUTZ									
Model		403C-15G	404C-22G	BF4M2012 G2	BF4M2012 C	BF4M1013 EC	BF6M1013 E	BF6M1013 EC	BF6M1013 FCP G2	BF6M1013 FCP G3	BF8M1015 C G2	BF8M1015 CP	
Prime power	kWm	14.4	20.7	59.5	70.7	94.8	121.5	146.3	179	197	395.1	456.2	
Speed	rpm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	
Intake		NATURAL		TURBO	TURBO, CAC		TURBO	TURBO, CAC	TURBO INTERCOOLER		TURBOCHARGED INTERCOOLED		
Cooling		WATER											
Cylinders		3 IN LINE	4 IN LINE	4 IN LINE	4 IN LINE	4 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	6 IN LINE	8 V	8 V	
Displacement	cm3	1496	2216	4040	4040	4760	7150	7150	7150	7150	15900	15900	
Standard governor		MECHANICAL							ELECTRONIC				
Cooling air flow	m3/h	2628	2844	6480	5760	7560	11160	11520	11807	14054	30600	37800	
LUBRICATION SYSTEM													
Lubricating oil capacity (1)	l	6	10.6	8.5	8.5	11	20	20	34	34	47	47	
FUEL CONSUMPTION													
75% load	l/h	3,2	4,5	12,1	13,7	17,5	23,1	26,0	37,2	41,0	76,2	88,8	
100% load	l/h	4,2	6,0	16,2	18,3	23,4	30,8	34,7	49,7	54,6	101,6	118,4	
ELECTRIC SYSTEM													
Battery (ACP)	Ah	1X70	1X70	1X95	1X95	1X145	1X145	1X145	2X145	2X145	2X155	2X155	
Starting motor	kW	2	2	3	3	3.1	3.1	3.1	3.1	3.1	5.4	5.4	

SERIES **GSW** 275V-590V

		VOLVO PENTA						
		WATER COOLED						
		GSW275V	GSW330V	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V
GEN SET								
Prime power [PRP]	kVA/kWe	269/215	351/281	417/334	463/371	512/409	576/461	632/505
Emergency power [LTP]	kVA/kWe	296/237	389/311	459/367	510/408	570/456	648/519	695/556
Frequency	Hz	60	60	60	60	60	60	60
Three Phases Voltage	V	480/277	480/277	480/277	480/277	480/277	480/277	480/277
ENGINE								
Brand		VOLVO						
Model		TAD 740 GE	TAD 941 GE	TAD 1241 GE	TAD 1242 GE	TAD 1640 GE	TAD 1641 GE	TAD 1642 GE
Prime power	kWm	228	297	352	391	431	485	532
Speed	rpm	1800	1800	1800	1800	1800	1800	1800
Intake		TURBOCHARGED INTERCOOLED						
Cooling		WATER						
Cylinders		6 IN LINE						
Displacement	cm3	7280	9360	12130	12130	16120	16120	16120
Standard governor		ELECTRONIC						
Cooling air flow	m3/h	TBA	TBA	TBA	TBA	TBA	TBA	TBA
LUBRICATION SYSTEM								
Lubricating oil capacity (1)	l	29	33	35	35	48	48	48
FUEL CONSUMPTION								
75% load	l/h	40,7	54,4	63,5	71,2	77,0	86,6	99,3
100% load	l/h	54,3	72,5	84,6	95,0	102,6	115,5	132,4
ELECTRIC SYSTEM								
Battery (ACP)	Ah	2X155	2X155	2X155	2X155	2X200	2X200	2X200
Starting motor	kW	5.4	5.5	6	6	6	6	6
ALTERNATOR								
Brand		MECCALTE						
Model		ECO 38 1L	ECO 38 2L	ECO 40 1S	ECO 40 1S	ECO 40 3S	ECO 40 3S	ECO 40 1L
Efficiency at 3/4	%	94.6	94.8	94.8	94.8	95.2	95.2	95.1
Power at 27° C	kVA/kWe	316/252,8	378/302,4	504/403,2	504/403,2	630/504,0	630/504,0	694/555,2
Insulation		CLASS H						
Protection		IP 21						
Regulation		ELECTRONIC (+/- 1% AT CONTROLLED ENGINE GOVERNING)						

	OIL COOLED			
	GBL30D	GBL42D	GSL22D-30D	GSL42D
GEN SET				
Galvanized skid base frame with integrated drip tray and fork lift channels	-	-	☒	☒
Galvanized skids with fork lift channels	-	-	-	-
Leak proof tray	-	-	-	-
Baseframe completely sealed - fully bundled	-	-	-	-
Site trailer	☒	☒	☒	☒
Road trailer-rigid bar, Spanish or Italy homologation	☒	☒	☒	☒
EU Sockets kit	-	-	☒	☒
Rental kit (battery switch, EU socket panel according to size, Fuel filter with water separator and drain, earth rod with cable and three way fuel valve for connection to external tank)	-	-	☒	☒
Lighthing tower	☒	☒	☒	☒
ENGINE				
Engine electronic governor	○	○	○	○
Coolant pre-heating system (for automatic start)	○	○	○	○
Residential silencer (standard on soundproof versions)	-	-	○	○
FUEL SYSTEM				
Automatic fuel transfer pump	-	-	○	○
ALTERNATOR				
Genset parallel kit (with mains)	-	-	-	-
Genset parallel kit (with other alternator)	-	-	-	-
PMG alternator variant	-	-	-	-
OTHER OPTIONS				
Manual Control Panel with analogue instrumentation	●	●	○	○
Load Transfer Switch Panel (LTS) for ACP versions	○	○	○	○
Connection kit for communication via Modem / GSM (only for automatic versions)	-	-	○	○
Auto start facilities	○	○	○	○
UL circuit breaker	-	-	UNDER DEVELOPMENT	

●: Standard

○: Optional

(-): Not available

☒: Option only on soundproof version.

OPTIONS

SERIES WATER COOLED

	PERKINS	DEUTZ					VOLVO		
	WATER COOLED								
	GSW15P-22P	GSW65D-80D	GSW110D 145D	GSW170D	GSW195V 220V	GSW530D 560D	GSW275V	GSW330V 415V 450V	GSW510V 560V 590V
GEN SET									
Galvanized skid base frame with integrated driptray and fork lift channels	-	-	-	-	-	-	-	-	-
Galvanized skids with fork lift channels	☒	☒	☒	☒	☒	-	☒	-	-
Leak proof tray	-	-	-	-	-	●	●	●	●
Baseframe completely sealed - fully banded	●	●	●	●	●	○	○	○	○
Site trailer	☒	☒	☒	☒	☒	-	☒	-	-
Road trailer-rigid bar, Spain or Italy homologation	☒	☒	☒	☒	☒	-	☒	-	-
EU Sockets kit	☒	☒	☒	☒	☒	☒	☒	☒	☒
Rental kit (battery switch, EU socket panel according to size, Fuel filter with water separator and drain, earth rod with cable and three way fuel valve for connection to external tank)	☒	☒	☒	☒	☒	-	☒	-	-
Ligthing tower	-	-	-	-	-	-	-	-	-
ENGINE									
Engine electronic governor	-	○	○	○	●	●	●	●	●
Coolant pre-heating system (for automatic start)	○	○	○	○	○	○	○	○	○
Residential silencer (standard on soundproof versions)	●	○	○	○	○	○	○	○	○
FUEL SYSTEM									
Automatic fuel transfer pump	○	○	○	○	○	○	○	○	○
ALTERNATOR									
Genset parallel kit (with mains)	-	○	○	○	○	○	○	○	○
Genset parallel kit (with other alternator)	-	○	○	○	○	○	○	○	○
PMG alternator variant	-	○	○	○	○	○	○	○	○
OTHER OPTIONS									
Manual Control Panel with analogue instrumentation	○	○	○	○	○	-	-	-	-
Load Transfer Switch Panel (LTS) for ACP versions	○	○	○	○	○	○	○	○	○
Connection kit for communication via Modem / GSM (only for automatic versions)	○	○	○	○	○	○	○	○	○
Auto start facilities	○	○	○	○	○	○	○	○	○
UL circuit breaker	UNDER DEVELOPMENT					●	●	●	●

●: Standard

○: Optional

(-): Not available

☒: Option only on soundproof version.