P R O F E S S I O N A L R A N G E

Portable generating sets

Welding sets

Water pumps

Residential Power generating sets

Portable Power 50Hz

PPW-PR-DO-EN-31

SDMO®

Energy Solutions Provider

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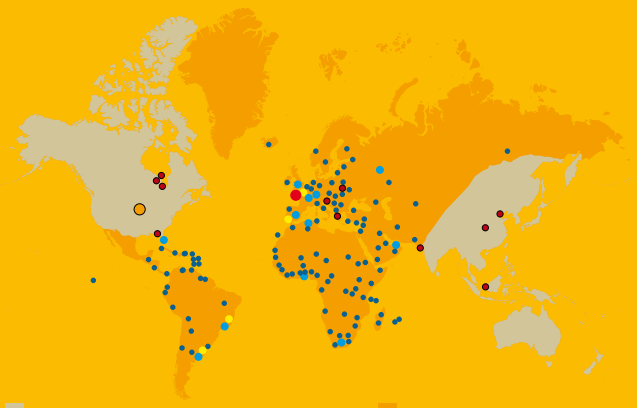


KOHLER® POWER SYSTEM REGION
- Head Office
- Sites and factories

SDMO® REGION
- Head Office
- Subsidiaries and offices
- Distributors
- Stocks

Leading French manufacturer of gensets and the 3rd largest worldwide

All over the world, from offshore drilling platforms to extreme desert conditions, from worksites to the most demanding industries, the reliability and performance of its gensets has made SDMO® one of the world's top manufacturers.

Committed to a dynamic of continuous improvement, the SDMO® team spends every day devising and producing gensets that are even more efficient, operate for longer, and are cleaner and easier to maintain and operate.

Its knowledge of the specificities of every use coupled with innovation and high technology enables SDMO® to offer an unrivalled selection of gensets ranging from 1 to 5.000 kW.

SDMO® has more than 40 years experience and is a specialist and guarantees that spare parts are always available.

Therefore, whatever your business or whatever your requirements you can be sure that when you choose an SDMO® power source, you are benefiting from the commitment to quality and safety of a large French manufacturer in conformity with the strictest standards: a guarantee for man and machine.

SDMO Industries exports its products to more than 150 countries via a network of distributors, 6 agencies (South Africa, Algeria, Dubai, Egypt, Russia and Togo), 5 storage centres, 5 sales agencies, 3 regional divisions and 6 subsidiaries.

- **SDMO Energy Ltd, Great Britain,**
- **SDMO Industries Ibérica, Spain,**
- **SDMO nv/sa, Belgium,**
- **SDMO Maquigeral, Brazil,**
- **SDMO Generating Sets, Latin America and the Caribbean,**
- **SDMO GmbH, Germany.**

Continuous innovation to meet your requirements

SDMO® has nearly 100 engineers and technicians in its Engineering Department who can give advice on selecting equipment. They can provide realistic solutions, incorporating the very latest cutting edge technology.

A global approach

SDMO®'s Engineering Department is committed to helping you, from planning to delivery:

- understanding your needs
- analysing your constraints and requirements with precision
- providing appropriate solutions
- incorporating cutting edge technology
- designing complete systems
- supplying your system
- monitoring and maintaining your system

High technology tools

The technicians at SDMO® have specialist knowledge of the latest design and analysis tools and use advanced 3D modelling software with a high precision mechanical calculations.
These innovative techniques enable them to comply fully with international standards: reduction of emissions, noise, etc.
SDMO®'s test engineers carry out particularly precise noise analyses using sound level measurement with advanced vibration mode analyses.

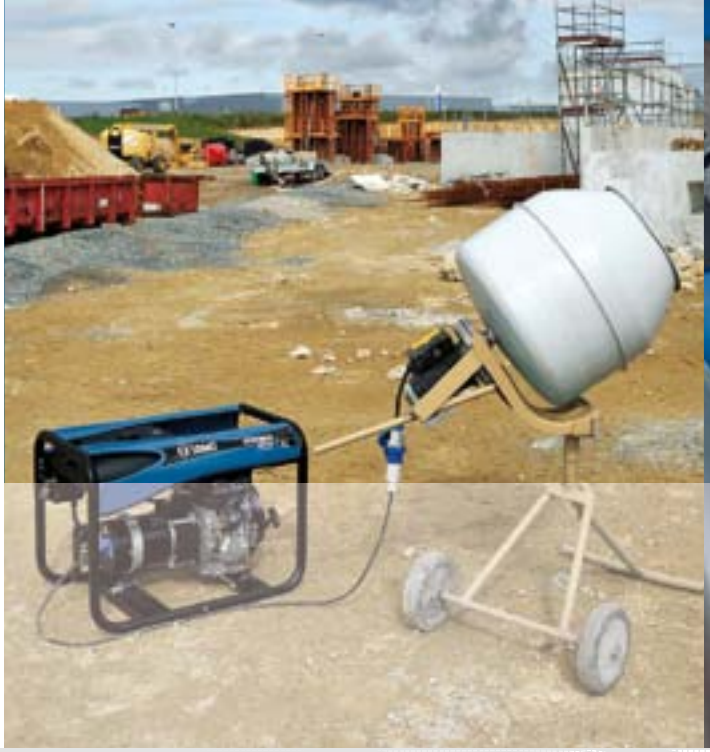
Ranges designed for all applications

Portable Power
Handy and efficient sums up the spirit of a range that fulfils the extremely varied needs of the professional market without sacrificing safety.

Power Products
Performance and power come together for this standard range geared towards the most specialised professional applications. Combined with highly responsive services, such as the X-PRESS delivery solution, this range enables a genset to be dispatched to anywhere in the world within a very short timeframe.

Rental Power
Versatility, sturdiness and silence, all essential criteria for a range suited to the rental market and whose level of performance responds to usage conditions that are both specific and intensive.

Power Solutions
The high technology gensets in this range are flexible and provide innovative solutions to meet the most specialised requirements. These gensets and power sources use standard technologies covering a very wide range of applications.



Generating sets designed to meet professionals' exacting requirements

To design powerful, high performance gensets down to the smallest detail, SDMO® uses its experience of the requirements and conditions in the field. SDMO® provides technological solutions that are easy to use, compact and reliable with maximum safety as well as reducing noise and fuel consumption, providing professionals with the most ergonomic equipment in the market.

Technological solutions to meet all requirements

Ingress protection IP54

Some gensets have an IP54 rating to protect them from dust and splashing. This is a requirement of BGI 867 for professional use in Germany.

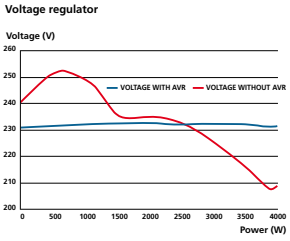
Oversized alternator

The oversized alternator is ideal for supplying electronic equipment and provides a more reliable supply from PERFORM 6500 gensets. It has very low harmonic current and limits the voltage and frequency variation of the power supplied, as well as handling high surge loads.

Automatic Voltage Regulation (AVR)

By regulating the voltage electronically by +/- 2%, depending on the model, AVR* eliminates all risk of damaging high technology equipment such as the burner control modules and electronic speed controllers.

* Automatic Voltage Regulation.



Design and ergonomics

Gensets in the Portable Power range are compact with clean lines and in conjunction with SDMO® technology are even easier to use. Ergonomic handles on the innovative frame of SDMO® gensets make it easier to transport the generator and the specially designed feet provide stability in all conditions. By attenuating the vibration of Portable Power equipment, the SDMO® feet also extend the equipment lifetime.

Grips on the handles to make handling easier

Feet for better stability on all types of ground

Clean, functional design

KOHLER ENGINES

A supplier of excellence

As part of its continuous growth policy, SDMO® has become part of the KOHLER® Co. Group, an American multinational company. KOHLER® has specialised in engines since 1920 and has set the standard for engine manufacturers throughout the world. It now supplies the leading equipment builders.
SDMO® gensets, now more competitive than ever, combine their established quality with KOHLER® expertise to provide a new level of performance and unequalled lifetime.

KOHLER® engine CH 640

The strengths of KOHLER® engines**

Performance and robustness

- High quality materials to withstand frequent, intensive use.
- 3 year manufacturer's guarantee, parts and labour.

Maintenance and safety

- Automatic tappet adjustment for longer maintenance intervals.
- High level of safety: the engine cuts out if the oil level is too low.
- Engine protected using Quad Clean cyclonic air filtration system

Economic and easy to use

- Low consumption for petrol engines*: if the genset is not used for 2 minutes, the engine switches over automatically to idle to reduce fuel consumption by 50%.
- Easy to use electric starter on gensets qualified by the letter E.
- Oversized silencer, sound insulating alloy crank case and carefully designed air intake for low noise emission.
- Two position winter/summer air intake for easy startup in extreme climatic conditions.
- Low fuel consumption design.

KOHLER® engine CH 440

* Available on the TECHNIC 10000 E and TECHNIC 15000 TE.
** Advantages of KOHLER® engines in general. Depending on the model.

Portable Power®: SDMO® stakes its reputation

Safety and quality

In order to enable consumers to make an informed choice, genset (< 10 kW) and welding set manufacturers have signed up to the Qualigen charter on compliance with applicable regulations and European standards, particularly in the following areas:

- **User safety**
- **Product information**
- **Noise level**
- **After Sales Service**
- **Rating**

3 year guarantee

For complete confidence, gensets and welding sets with KOHLER® and HONDA® engines and pumps with KOHLER® engines are covered by the 3 year SDMO® guarantee.

Noise

This symbol next to the photograph of our gensets indicates that they conform to the 2000/14/EC Noise Emission Directive. In the tables, only gensets whose name ends with a C do not conform.

Health and environment

All the products, accessories and options in the SDMO® Portable Power range scrupulously comply with the European Reach regulations requiring manufacturers and importers to ensure that they only manufacture, sell, import and use substances that are not harmful to human health or the environment. These provisions are based on the principle of precaution.

Responsive and efficient

With its fast acting services division incorporating both the after-sales and spare parts departments, you have the assurance of being able to receive parts whenever and wherever in the world you need them. Using its high performance logistics system and its parts identification tool, SDMO® can locate and dispatch the part you need in the shortest time possible. A permanent stock of 45.000 references guarantees parts availability for all appliances for a period of 10 years.

Maintenance and technical support

SDMO® Services Department has a remote monitoring and immediate diagnostics system so that it can provide high level, responsive technical support to help you to install and maintain your gensets and pumps.
SDMO® also provides clear, attractively presented information (brochures, CDROM, point of sale information, etc) and tailored training programmes using simulators that can reproduce the most varied of configurations.
Its user-friendly, comprehensive website www.sdmo.com has a Need Help? page which gives answers to the most Frequently Asked Questions.

SDMO®

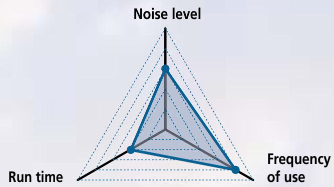
Energy Solutions Provider

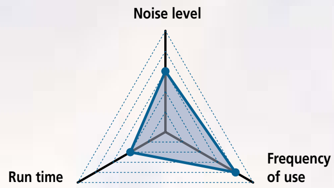
GENERATING SETS

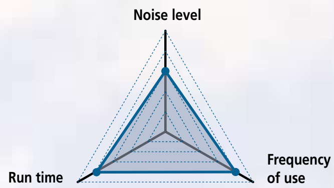
Choosing the right genset:
2 simple, essential steps

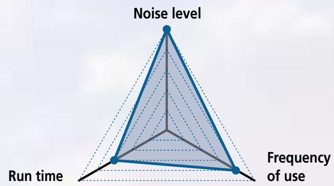
1 What will it be used for and how often?

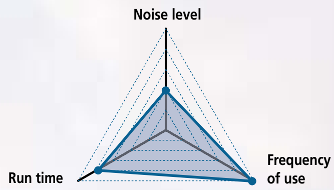
Requirement	Range
• easy to handle equipment that is efficient, cost effective and suitable for frequent use	**PERFORM** (p. 10)
• equipment that is robust, long-lasting and simple to use for repetitive operations in difficult conditions	**INTENS** (p. 12)
• equipment with long run time that can withstand extreme conditions, for daily professional use	**TECHNIC** (p. 14)
• top of the range equipment that is efficient and with low noise emissions, for a wide range of standard requirements	**PRESTIGE** (p. 16)
• both long run times and very long life for professional applications	**DIESEL** (p. 18)
• leading edge technology, designed for regular, intensive use, that is powerful and quiet	**INDUSTRIAL** (p. 20)

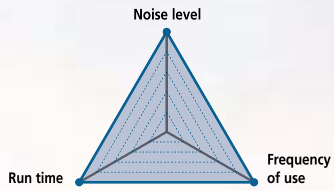












Naming convention: Example: TECHNIC 9000 TE AVR IP54 C

TECHNIC	Name of the range
T	Three phase genset
E	Electric starter
AVR	Genset with Automatic Voltage Regulation
IP54	Ingress protection of the genset
C	Conforms to EC mark requirements but not to the 2000/14/EC noise emission directive
S	Does not conform to European directives
XL	Equipment with large tank for long run time

2 What rating is required?

A - According to the appliances you use

To help you choose your genset the illustrated guide opposite, provided for information purposes only, lists the appliances most often used with gensets.

B - Minimum power rating:

Certain appliances have a higher start-up rating than the normal operating rating. You should therefore take this into account when making your choice.

Multiply the equipment rating by the coefficient, given as a guideline, in the opposite table to determine the startup power needed for a single phase genset. For three phase gensets, contact your usual supplier for advice.

To find out the minimum capacity of your appliances, refer to the manufacturer's technical documentation or ask your SDMO® reseller for advice.

The coefficients for different types of appliance are given in the table opposite.

You have defined your type of use and the output needed: you can now select your genset in full knowledge of the facts.

Example

To run a 2400 W drill.
You need a 4800 W genset.
To calculate the minimum power requirement (MPR):
Rating of appliance (2400 W) x MPR coefficient (2)
2400 W x 2 = 4800 W
(See table of coefficients opposite).

Appliance	Continuous rating*	MPR coefficient	MPR
Air-conditioner	3000 W	3,5	10500 W
Belt sander	1000 W	2,5	2500 W
Cement mixer	850 W	3,5	2975 W
Circular saw	1100 W	2,5	2750 W
Compressor	3000 W	3,5	10500 W
Concrete vibrator	2300 W	3,5	8050 W
Crêpe maker	4000 W	1,2	4800 W
Disk sanding	2200 W	2,5	5500 W
Drill	800 W	1,2	960 W
Drill	1300 W	3,5	4550 W
Fluorescent lamp	500 W	2	1000 W
Freezer	700 W	3,5	2450 W
Hedge trimmer	700 W	1,5	1050 W
High-pressure washer	2500 W	3,5	8750 W
Hoist	2800 W	3,5	9800 W
Hotplate	6000 W	1	6000 W
Industrial vacuum cleaner	1800 W	3,5	6300 W
Jointer	2000 W	2,5	5000 W
Mini display cooler	1500 W	3,5	5250 W
Mixer	3500 W	3,5	12250 W
Plastering machine	4300 W	3,5	15050 W
Router	800 W	2,5	2000 W
Saw	2000 W	2	4000 W
Shredder	2600 W	2	5200 W

* For information only.

PERFORM
Performance and durability

PERFORM 3000

PERFORM 4500
PERFORM 5500 T

PERFORM 6500
PERFORM 7500 T

PERFORM 3000 GAZ

PERFORM 4500 GAZ

PERFORM 6500 GAZ

SINGLE-PHASE GENSETS

Type		PERFORM 3000	PERFORM 4500	PERFORM 6500	PERFORM 3000 GAZ	PERFORM 4500 GAZ	PERFORM 6500 GAZ
Max power 230 V	kW ISO 8528	3.00	4.20	6.50	2.4	3.9	5.80
	kVA(1)	3.75	5.25	8.15	3.0	4.9	7.25
Engine	Brand	Kohler®	Kohler®	Kohler®	Kohler®	Kohler®	Kohler®
	Type	CH 270	CH 395	CH 440	CH 270	CH 395	CH 440
	Oil level shutdown	•	•	•	•	•	•
	Electric start	X	X	X	X	X	X
	HP 3.600 rpm	6.0	8.5	11.9	6	8.5	11.9
	Run time in hr	3.2	3.5	2.8	X	X	X
	L shaped tank	4.1	7.3	7.3	X	X	X
	Sound power level guaranteed (LWA) in dB(A)	**96**	**97**	**97**	**96**	**97**	**97**
	Sound pressure level @ 7 m dB(A)	68	68	69	68	68	69
	Weight in Kg	43	66.5	96.5	44	67.5	97.5
Socket codes(2)		P1L	P1L	P1H	P1L	P1L	P1H

THREE-PHASE GENSETS

Type			PERFORM 5500 T	PERFORM 7500 T
Max power	3-ph 400 V	kW ISO 8528	4.50	6.50
		kVA(1)	5.65	8.15
	1-ph 230V	kW ISO 8528	1.3	2.3
Engine	Brand		Kohler®	Kohler®
	Type		CH 395	CH 440
	Oil level shutdown		•	•
	Electric start		X	X
	HP 3.600 rpm		8.5	11.9
	Run time in hr		3.5	2.8
	L shaped tank		7.3	7.3
	Sound power level guaranteed (LWA) in dB(A)		**97**	**97**
	Sound pressure level @ 7 m dB(A)		68	69
	Weight in Kg		77.5	106.5
Socket codes(2)			P1J	P1J

X Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 43.

For PERFORM GAZ models: the ratings (kW and kVA) are given using gas for fuel.
For running off petrol, see the ratings for PERFORM models in the following table.

SDMO **Options**

Options available for this range depending on the model: trolley kit, RCCB, automatic transfer switch, manual transfer switch, loose cover, maintenance kit, storage box. See pages 38 to 41 for the part numbers for these options.

SDMO FEATURE

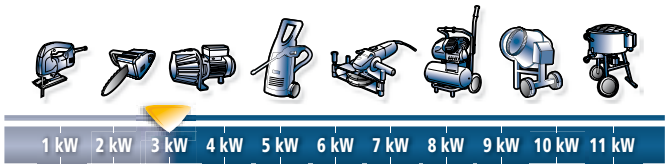
QUAD CLEAN™ cyclonic filter

PERFORM gensets are fitted with the exclusive Quad Clean™ air filtration system which protects them from the risk of ingesting dust. Cyclonic Quad Clean™ air filters are no heavier and no larger than a standard air filter but provide 4 levels of filtration which effectively filter out large particles and capture the finest particles. They ensure a continuous supply of clean air to the engine, save fuel, increase the engine performance and extend its lifetime.

PERFORM 3000

- 3 kW - 3.75 kVA(1) - 230 V
- KOHLER® - CH 270 engine
- EEC Noise level Lwa
  96 Lwa / 68 dB(A) @ 7 m

Application*:
ideal for use with drills and winches.



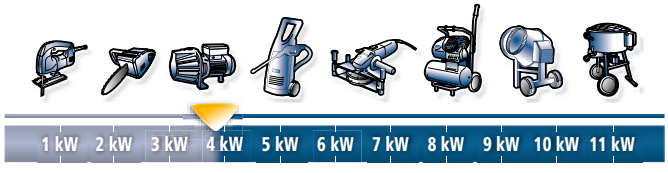
3 year guarantee

Lwa 96 / 68 dB(A) @ 7 m

PERFORM 4500 GAZ

- 3.9 kW - 4.9 kVA(1) - 230 V
- KOHLER® - CH 395 engine
- EEC Noise level Lwa
  97 Lwa / 68 dB(A) @ 7 m

Application*:
ideal for use with jackhammers.



3 year guarantee

Lwa 97 / 68 dB(A) @ 7 m

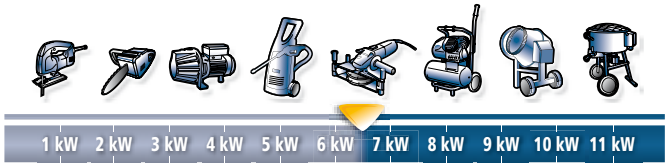
Advantages of dual-fuel unleaded petrol or LPG:
- Economical: 25% reduction in consumption using LPG rather than petrol
- Runtime: can be increased by a factor of 6 when running off gas (for a 13 kg gas bottle)
- Environmentally friendly: no smell and lower emissions

SDMO FEATURE

PERFORM 6500

- 6.5 kW - 8.15 kVA(1) - 230 V
- KOHLER® - CH 440 engine
- EEC Noise level Lwa
  97 Lwa / 69 dB(A) @ 7 m

Application*:
ideal for use with compressors.



3 year guarantee

Lwa 97 / 69 dB(A) @ 7 m

*For information only.

INTENS
Exceptionally robust

HX 3000

HX 4000

HX 5000 T

HX 6000

HX 7500 T

SINGLE-PHASE GENSETS

Type		HX 3000	HX 4000	HX 6000
Max power 230 V	kW ISO 8528	3.0	4.0	6.0
	kVA(1)	3.75	4.5	6.6
Engine	Brand	Honda®	Honda®	Honda®
	Type	GX 200	GX 270	GX 390
	Oil level shutdown	•	•	•
	Electric start	X	X	X
	HP 3.600 rpm	5.5	8	11
	Run time in hr	2.4	2.5	2.4
	L shaped tank	3.1	5.3	6.1
	Sound power level guaranteed (LWA) in dB(A)	**95**	**97**	**97**
	Sound pressure level @ 7 m dB(A)	67	67	68
	Weight in Kg	41	56	79
Socket codes(2)		P1L	P1L	P1H

THREE-PHASE GENSETS

Type			HX 5000 T	HX 7500 T**
Max power	3-ph 400 V	kW ISO 8528	4.0	6.0
		kVA(1)	5.0	7.5
	1-ph 230V	kW ISO 8528	1.3	2.3
Engine	Brand		Honda®	Honda®
	Type		GX 270	GX 390
	Oil level shutdown		•	•
	Electric start		X	X
	HP 3.600 rpm		8	11
	Run time in hr		2.5	2.4
	L shaped tank		5.3	6.1
	Sound power level guaranteed (LWA) in dB(A)		**97**	**97**
	Sound pressure level @ 7 m dB(A)		67	68
	Weight in Kg		68	80
Socket codes(2)			P1J	P1J

X Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 43.

** This genset may be fitted with AVR and an IP54 alternator: HX 7500 T AVR IP54.

SDMO **Options**

Options available for this range depending on the model: trolley kit, RCCB, manual transfer switch, loose cover, maintenance kit. See pages 38 to 41 for the part numbers for these options.

SDMO FEATURE

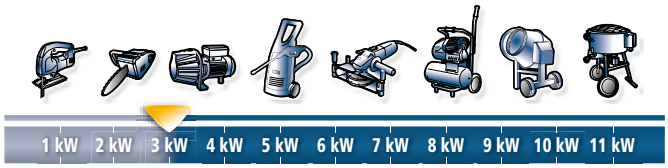
Conformity with European standards

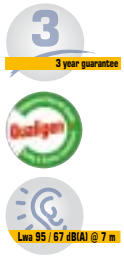
All INTENS gensets have HONDA® engines which have been selected for their high performance and suitability for both European and international markets.
The INTENS standard range complies with all European standards and directives.
The INTENS C range complies with EC directives and with Directive 97/68/EC relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non road mobile machinery. Gensets in this range do not however comply with the noise emission of outdoor equipment Directive 2000/14 EC.
The INTENS S range does not comply with European directives.
For availability, see page 42.

HX 3000

- 3 kW - 3.75 kVA(1) - 230 V
- HONDA® - GX 200 engine
- EEC Noise level Lwa
  95 Lwa / 67 dB(A) @ 7 m

Application*:
ideal for use with grinders.

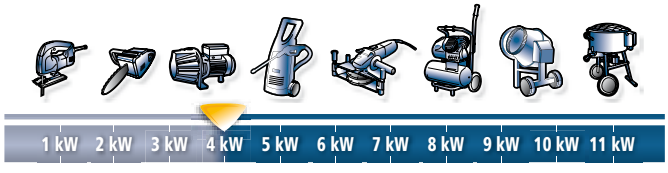


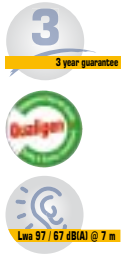


HX 4000

- 4 kW - 4.5 kVA(1) - 230 V
- HONDA® - GX 270 engine
- EEC Noise level Lwa
  97 Lwa / 67 dB(A) @ 7 m

Application*:
ideal for use with pneumatic drills.

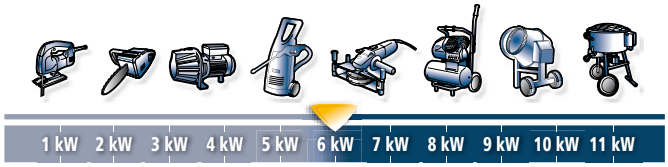


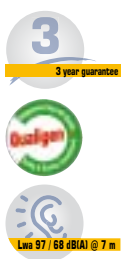


HX 6000

- 6 kW - 6,6 kVA(1) - 230 V
- HONDA® - GX 390 engine
- EEC Noise level Lwa
  97 Lwa / 68 dB(A) @ 7 m

Application*:
ideal for use with chasers.





*For information only.

TECHNIC

Robust continuous operation no matter where you are

TECHNIC 3000

TECHNIC 4500 AVR
TECHNIC 5500 T

TECHNIC 6500
TECHNIC 7500 T
TECHNIC 6500 E AVR
TECHNIC 7500 TE AVR

TECHNIC 10000 E AVR C
TECHNIC 15000 TE AVR C

TECHNIC 20000 TE AVR C

SINGLE-PHASE GENSETS

Type		TECHNIC 3000*	TECHNIC 4500 AVR	TECHNIC 6500	TECHNIC 6500 E AVR	TECHNIC 10000 E AVR C
Max power 230 V	kW ISO 8528	3.00	4.20	6.50	6.50	10.0
	kVA(1)	3.75	4.95	8.15	8.15	12.1
Engine	Brand	Kohler®	Kohler®	Kohler®	Kohler®	Kohler®
	Type	CH 270	CH 395	CH 440	CH 440	CH 640S
	Oil level shutdown	•	•	•	•	•
	Electric start	X	X	X	•	•
	HP 3.600 rpm	6	8.5	11.9	11.9	20
	Run time in hr	10	10.6	6.9	6.9	8.3
	L shaped tank	13	18	18	18	35
	Sound power level guaranteed (LWA) in dB(A)	**96**	**97**	**97**	**97**	**101**
	Sound pressure level @ 7 m dB(A)	67	68	69	69	72
	Weight in Kg	46	73.5	100	105	139
Socket codes(2)		P1M	P1M	P1ZA	P1ZA	P1ZD

THREE-PHASE GENSETS

Type			TECHNIC 5500 T	TECHNIC 7500 T**	TECHNIC 7500 TE AVR	TECHNIC 15000 TE AVR C	TECHNIC 20000 TE AVR C
Max power	3-ph 400 V	kW ISO 8528	4.50	6.50	6.50	11.00	15.2
		kVA(1)	5.65	8.15	8.15	13.75	19.0
	1-ph 230V	kW ISO 8528	1.3	2.3	2.3	3.7	3.7
Engine	Brand		Kohler®	Kohler®	Kohler®	Kohler®	Kohler®
	Type		CH 395	CH 440	CH 440	CH 640S	CH 940
	Oil level shutdown		•	•	•	•	•
	Electric start		X	X	•	•	•
	HP 3.600 rpm		8.5	11.9	11.9	20	34
	Run time in hr		10.6	6.9	6.9	8.3	6.3
	L shaped tank		18	18	18	35	35
	Sound power level guaranteed (LWA) in dB(A)		**97**	**97**	**97**	**101**	**104**
	Sound pressure level @ 7 m dB(A)		68	69	69	72	74
	Weight in Kg		79	110.5	115	170	188
Socket codes(2)			P1I	P1I	P1I	P1ZE	P1Z

X Not available. • Standard.

(1) Theoretical value calculated for comparison purposes.

(2) See table of sockets on page 43.

* This genset may be fitted with an IP54 alternator.

** This genset may be fitted with AVR and an IP54 alternator: TECHNIC 7500 T AVR IP54.

SDMO **Options**

Options available for this range depending on the model: trolley kit, RCCB, automatic transfer switch, manual transfer switch, loose cover, maintenance kit. See pages 38 to 41 for the part numbers for these options.

SDMO FEATURE

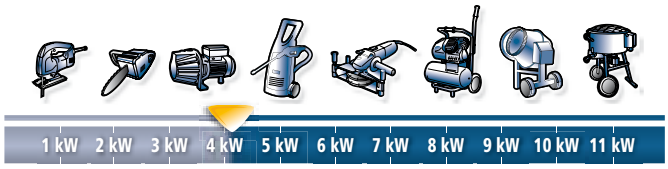
KOHLER® engines + comprehensive equipment

TECHNIC gensets with KOHLER® engines provide exceptional performance: proven robustness, low oil safety cut-off, auto-idle to save fuel consumption, easy tappet adjustment for low maintenance, etc.
The large fuel tank increases the run-time and the comprehensive connection interface makes the genset easy to use.

TECHNIC 4500 AVR

- 4.2 kW - 4.95 kVA(1) - 230 V
- KOHLER® - CH 395 engine
- EEC Noise level Lwa
  97 Lwa / 68 dB(A) @ 7 m

Application*:
ideal for use with jackhammers.



3 year guarantee

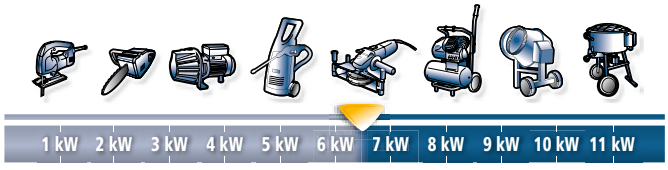
Ouaiga

Lwa 97 / 68 dB(A) @ 7 m

TECHNIC 6500

- 6.5 kW - 8.15 kVA(1) - 230 V
- KOHLER® - CH 440 engine
- EEC Noise level Lwa
  97 Lwa / 69 dB(A) @ 7 m

Application*:
ideal for use with air compressors or high pressure cleaners.



3 year guarantee

Ouaiga

Lwa 97 / 69 dB(A) @ 7 m

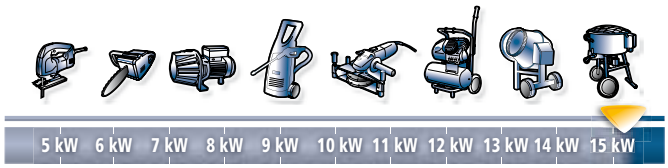
TECHNIC 20000 TE AVR C

SDMO FEATURE

The most powerful genset in the range which can supply several appliances at the same time.

- 15.2 kW - 19 kVA(1) - 400 V
- KOHLER® - CH 940 engine
- EEC Noise level Lwa
  104 Lwa / 74 dB(A) @ 7 m

Application*:
ideal for use with large 3 phase power tools, pumps.



3 year guarantee

*For information only.

PRESTIGE

Silent efficiency

INVERTER PRO 1000

INVERTER PRO 2000

INVERTER PRO 3000 E

ALIZÉ 3000

ALIZÉ 6000 E
ALIZÉ 7500 TE

SINGLE-PHASE GENSETS

Type		INVERTER PRO 1000	INVERTER PRO 2000	INVERTER PRO 3000 E	ALIZÉ 3000	ALIZÉ 6000 E
Max power 230 V	kW ISO 8528	1.0	2.0	3.0	2.8	5.60
	kVA(1)	1.0	2.0	3.0	3.5	6.05
Engine	Brand	Yamaha®	Yamaha®	Yamaha®	Honda®	Honda®
	Type	MZ50	MZ80	MZ175	GX 200	GX 390
	Oil level shutdown	•	•	•	•	•
	Electric start	x	x	•	x	•
	HP 3.600 rpm	NC	NC	NC	5.5	11
	Run time in hr	5	4.7	10	9.2	9.6
	L shaped tank	2.5	4.2	13	12	24
	Sound power level guaranteed (LWA) in dB(A)	**88**	**89**	**88**	**94**	**94**
	Sound pressure level @ 7 m dB(A)	59	60	59	65	65
	Weight in Kg	13	21	68	46	130
Socket codes(2)		P1ZB	P1ZB	P1ZC	P1L	P1P

THREE-PHASE GENSETS

Type			ALIZÉ 7500 TE
Max power	3-ph 400 V	kW ISO 8528	5.6
		kVA(1)	6.6
	1-ph 230V	kW ISO 8528	2.3
Engine	Brand		Honda®
	Type		GX 390
	Oil level shutdown		•
	Electric start		•
	HP 3.600 rpm		11
	Run time in hr		9.6
	L shaped tank		24
	Sound power level guaranteed (LWA) in dB(A)		**94**
	Sound pressure level @ 7 m dB(A)		65
	Weight in Kg		132
Socket codes(2)			P1Q

x Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 43.

SDMO **Options**

Options available for this range depending on the model: trolley kit, RCCB, automatic transfer switch, manual transfer switch, loose cover.
See pages 38 to 41 for the part numbers for these options.

- INVERTER PRO 2000 gensets coupled together to give a total rating of 3 Kw (INVERTER PRO 2000 only).
- Flexible: two gensets can be connected together to provide as much power as a more powerful genset.

SDMO FEATURE

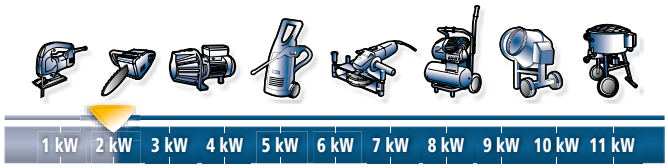
Inverter technology

Total safety for exacting electronic equipment, inverter technology provides high quality power with stable voltage and frequency for your genset at ±1% of the nominal value. Inverter technology adapts the motor speed to the load required, reducing emissions and noise and using less fuel.
Another advantage: more compact and lighter and easier to use.

INVERTER PRO 2000

- 2 kW - 2 kVA(1) - 230 V
- YAMAHA® - MZ80 engine
- EEC Noise level Lwa
  89 Lwa / 60 dB(A) @ 7 m

Application*:
ideal for use with electronic speed controlled drills.

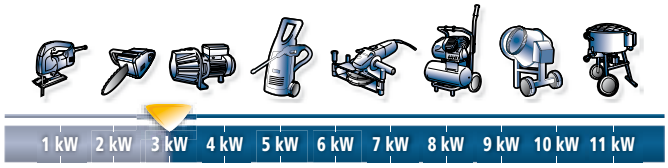


2 Years Guarantee
Lwa 89 / 60 dB(A) @ 7 m
Environment

INVERTER PRO 3000 E

- 3 kW - 3 kVA(1) - 230 V
- YAMAHA® - MZ175 engine
- EEC Noise level Lwa
  88 Lwa / 59 dB(A) @ 7 m

Application*:
ideal for use with angle grinders.

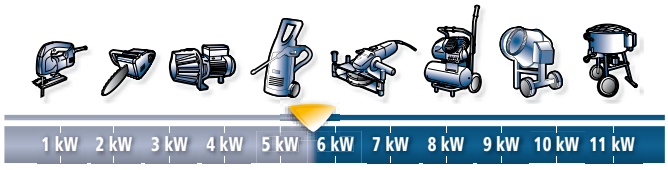


2 Years Guarantee
Lwa 88 / 59 dB(A) @ 7 m
Environment

ALIZÉ 7500 TE

- 5.6 kW - 6.6 kVA(1) - 400 V
- HONDA® - GX 390 engine
- EEC Noise level Lwa
  94 Lwa / 65 dB(A) @ 7 m

Application*:
ideal for refrigerated display units.



Lwa 94 / 65 dB(A) @ 7 m
Environment

*For information only.

DIESEL

Durable with an extended continuous run time

DIESEL 4000 C

DIESEL 4000 E XL C

DIESEL 6000 E XL C
DIESEL 6500 TE XL C

DIESEL 6000 E SILENCE
DIESEL 6500 TE SILENCE

DIESEL 10000 E XL C
DIESEL 15000 TE XL C

SINGLE-PHASE GENSETS

Type		DIESEL 4000 C	DIESEL 4000 E XL C	DIESEL 6000 E XL C	DIESEL 6000 E SILENCE	DIESEL 10000 E XL C
Max power 230 V	kW ISO 8528	3.40	3.40	5.2	5.2	9.00
	kVA(1)	4.25	4.25	6.5	6.5	11.25
Engine	Brand	Kohler® Diesel	Kohler® Diesel	Kohler® Diesel	Kohler® Diesel	Kohler® Diesel
	Type	KD 350	KD 350	KD 440	KD 440	KD 425-2
	Oil level shutdown	x	•	•	•	•
	Electric start	x	•	•	•	•
	HP 3.600 rpm	7	7	9.8	9.8	19
	Run time in hr	4.8	17.8	13.3	18.3	16.7
	L shaped tank	4.3	16	16	22	35
	Sound power level guaranteed (LWA) in dB(A)	**108**	**108**	**108**	**88**	**109**
	Sound pressure level @ 7 m dB(A)	78	78	79	59	80
	Weight in Kg	70	84	103	198	162
Socket codes(2)		P1L	P1L	P1H	P1ZD	P1ZD

THREE-PHASE GENSETS

Type			DIESEL 6500 TE XL C	DIESEL 6500 TE SILENCE	DIESEL 15000 TE XL C
Max power	3-ph 400 V	kW ISO 8528	5.2	5.2	10.0
		kVA(1)	6.5	6.5	12.5
	1-ph 230V	kW ISO 8528	2.3	2.3	3.7
Engine	Brand		Kohler® Diesel	Kohler® Diesel	Kohler® Diesel
	Type		KD 440	KD 440	KD 425-2
	Oil level shutdown		•	•	•
	Electric start		•	•	•
	HP 3.600 rpm		9.8	9.8	19
	Run time in hr		13.3	18.3	16.7
	L shaped tank		16	22	35
	Sound power level guaranteed (LWA) in dB(A)		**108**	**88**	**109**
	Sound pressure level @ 7 m dB(A)		79	59	80
	Weight in Kg		105	198	174
Socket codes(2)			P1J	P1ZE	P1ZE

x Not available. • Standard.

(1) Theoretical value calculated for comparison purposes.

(2) See table of sockets on page 43.

SDMO **Options**

Options available for this range depending on the model: trolley kit, RCCB, automatic transfer switch, manual transfer switch, loose cover, maintenance kit, storage box. See pages 38 to 41 for the part numbers for these options.

SDMO FEATURE

Oil level light on MICS MODYS - Diesel 6000 E Silence

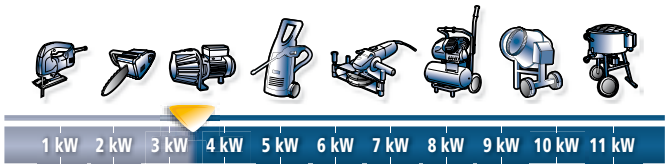
Long run-time, easy to use and safe: the requirements for peace of mind

The XL models in the DIESEL range have a very large fuel tank to provide exceptional run time.
For even greater ease of use, the engine oil cut-out stops the engine or prevents the engine starting if the oil pressure is insufficient (DIESEL 10000 E XL C and 15000 TE XL C gensets) or the oil level is too low (DIESEL 6000 E SILENCE, 4000 E XL C, 6000 E XL C and 6500 TE XL C gensets). The Modys control unit has a low oil pressure light.

DIESEL 4000 E XL C

- 3.4 kW - 4.25 kVA(1) - 230 V
- KOHLER® DIESEL - KD 350 engine
- EEC Noise level Lwa
  108 Lwa / 78 dB(A) @ 7 m

Application*:
ideal for use with log splitters.

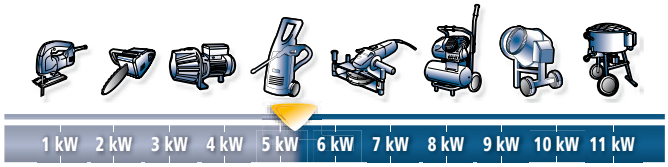


3 year guarantee

DIESEL 6000 E SILENCE

- 5.2 kW - 6.5 kVA(1) - 230 V
- KOHLER® DIESEL - KD 440 engine
- EEC Noise level Lwa
  88 Lwa / 59 dB(A) @ 7 m

Application*:
ideal for use with compressors.



3 year guarantee

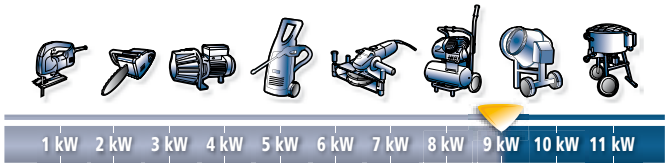
Lwa 88 / 59 dB(A) @ 7 m

SDMO FEATURE New design: compact, very quiet.

DIESEL 10000 E XL C

- 9 kW - 11.25 kVA(1) - 230 V
- KOHLER® DIESEL - KD 425-2 engine
- EEC Noise level Lwa
  109 Lwa / 80 dB(A) @ 7 m

Application*:
ideal for use with high pressure cleaners.



3 year guarantee

*For information only.

INDUSTRIAL

When you need the best performance


XP-S6-HM-STORM
XP-S7-H-STORM


XP-T6KM-ALIZÉ


XP-T8HKM-ALIZÉ


XP-T9KM-ALIZÉ


XP-T9HK-ALIZÉ


XP-T12K-ALIZÉ


XP-T12HK-ALIZÉ


XP-T15HK-ALIZÉ


XP-T16K-ALIZÉ

SINGLE-PHASE GENSETS

Type		XP-S6-HM-STORM	XP-T6KM-ALIZÉ[4]	XP-T8HKM-ALIZÉ[4]	XP-T9KM-ALIZÉ[4]
Max power 230 V	kW ISO 8528	5.6	5.5	7.50	8.60
	kVA[1]	7.0	6.0	9.35	10.75
Engine	Brand	Kohler®	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel
	Type	KDW 502	L3E-SD	L2E-SDH	S3L2-SD
	Oil level shutdown	•	•	•	•
	Electric start	•	•	•	•
	Run time in hr	15	29.4	19.2	20
	L shaped tank	35	50	50	50
	Sound power level guaranteed (LWA) in dB(A)	**93**	**86**	**94**	**86**
	Sound pressure level @ 7 m dB(A)	65	57	65	57
	Weight in Kg	245	390	340	544
Socket codes[2]		X	P1C	P1C	P1C

THREE-PHASE GENSETS

Type			XP-S7-H-STORM[4]	XP-T9HK-ALIZÉ[4]	XP-T12K-ALIZÉ[4]	XP-T12HK-ALIZÉ[4]	XP-T15HK-ALIZÉ[4]	XP-T16K-ALIZÉ[4]
Max power	3-ph 400 V	kW ISO 8528	7.0	7.2	9.2	9.6	12.0	12.8
		kVA[1]	8.75	9.0	11.5	12.0	15.0	16.0
Engine	Brand		Kohler®	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel
	Type		KDW 502	L2E-SDH	S3L2-SD	L3E-SDH	L3E-SDH	S4L2-SD
	Oil level shutdown		•	•	•	•	•	•
	Electric start		•	•	•	•	•	•
	Run time in hr		15.2	19.2	20	11.9	11.9	14.7
	L shaped tank		35	50	50	50	50	50
	Sound power level guaranteed (LWA) in dB(A)		**93**	**94**	**86**	**95**	**96**	**87**
	Sound pressure level @ 7 m dB(A)		64	65	57	66	67	58
	Weight in Kg		235	365	535	385	442	554
Socket codes[2]			X	P1F	P1V	P1V	P1V	P1V

• Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 43. (4) MICS NEXYS.
M = single-phase (ex = XP-T9KM-ALIZÉ) H = 3,000 rpm (ex = XP-T15HK-ALIZÉ)

SDMO FEATURE

2 engine speeds:
1500 rpm: low engine speed for longer lifetime, lower fuel consumption, longer maintenance intervals.
3000 rpm: normal engine speed for standby electricity supply, lower purchase price.

SDMO Options

Options available for this range depending on the model: socket pack, trailer, automatic transfer switch, remote control panel, manual transfer switch, maintenance kit. See pages 38 to 41 for the part numbers for these options.

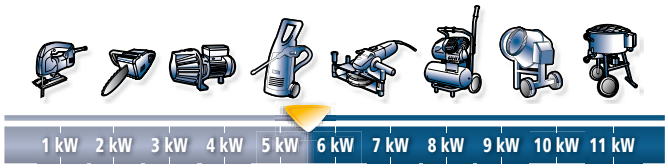
SDMO FEATURE

STORM compact, versatile generating sets

Single phase XP-S6-HM-STORM generating sets and the three phase model, XP-S7-H-STORM, are compact, versatile and easy to use. They are fully equipped as standard and can be used as mobile gensets (with the trolley kit) or fixed gensets with an automatic transfer switch. They have a voltage regulator providing smooth power for the most sensitive equipment

XP-S6-HM-STORM

- 5.6 kW - 7 kVA(1) - 230 V
- KOHLER® - KDW 502 engine
- EEC Noise level Lwa 93 Lwa / 65 dB(A) @ 7 m



Qualigen

Lwa 93 / 65 dB(A) @ 7 m

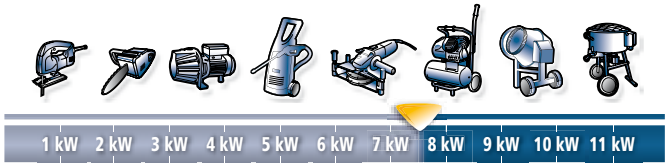
Application*: ideal for supplying several appliances at the same time.

SDMO FEATURE

Socket pack - (optional supplied separately - Ref RPP) with :
1 230V 32A socket - Circuit breaker
+ 1 230V 16A socket - Circuit breaker
+ 1 10/16A socket - Circuit breaker.

XP-T8HKM-ALIZÉ

- 7.5 kW - 9.35 kVA(1) - 230 V
- MITSUBISHI® DIESEL L2E-SDH 3.000 rpm engine
- EEC Noise level Lwa 94 Lwa / 65 dB(A) @ 7 m

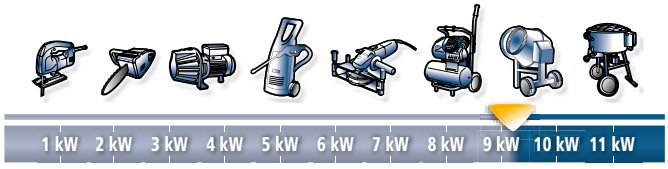


Qualigen

Lwa 94 / 65 dB(A) @ 7 m

XP-T12K-ALIZÉ

- 9.2 kW - 11.5 kVA(1) - 400 V
- MITSUBISHI® DIESEL S3L2-SD engine 1.500 rpm engine
- EEC Noise level Lwa 86 Lwa / 57 dB(A) @ 7 m



Qualigen

Lwa 86 / 57 dB(A) @ 7 m

*For information only.

SDMO®

Energy Solutions Provider

WELDING SETS

3 criteria for
selecting the right welding set.

Essential for welding on worksites without electricity or when carrying out maintenance on isolated machines, WELDARC welding sets are practical, easy to transport and ready to use in record time. They can also be used as auxiliary gensets for the supply of electricity.

KOHLER® engines are used in WELDARC welding sets as standard to provide offer technological expertise that brings together power and performance, safety and robustness with reduced maintenance and operating costs.

1 Frequency of use

A DC voltage welding set, like those in the WELDARC range, will enable you to use all electrode types and weld even the most technical material.

Two special ranges to suit the intensity of use.

- The WELDARC INTENS range provides a 2 in 1 genset + welding set system that is powerful and suitable for normal use.
- The WELDARC DIESEL range provides a 2 in 1 genset + welding set system, with a run-time that can be twice that of petrol models. It is ideal for intensive use.

2 The types of electrode you use

Each welding set offers you the choice of a variety of electrodes, which it is essential to specify before selecting your welding set.

Rutile
An electrode for general use which is very flexible in use.

Cellulosic
An electrode suitable for downward welding.

Basic
An electrode for top security technical assembly. This use is recommended for parts under significant mechanical strain. It requires welding using direct current.

The maximum diameter of the welding rod is also an important criterion that you should keep in mind when selecting your welding set. Do not forget to take this into account.

3 The backup power you need

All welding sets in the WELDARC range can supply electrical current through their auxiliary outputs. They can be used as standard electricity gensets and the choice of model for this function is subject to the same criteria as the other electricity gensets in the Portable Power range.

WELDARC

The welding solution for worksites without electricity

WELDARC INTENS

WELDARC 200 E XL C

WELDARC 220 TE XL C

VX 200/4 H

VX 220/7,5 H

WELDARC 300 TE XL C

WELDARC DIESEL

WELDARC 180 DE C

WELDARC 300 TDE XL C

WELDARC INTENS WELDING SETS

Type		WELDARC 200 E XL C	WELDARC 220 TE XL C	VX 200/4H	VX 220/7,5H	WELDARC 300 TE XL C
Engine	Brand	Kohler®	Kohler®	Honda®	Honda®	Kohler®
	Type	CH 15	CH 15	GX 390	GX 390	CH 640S
	Run time in hr	12.1	12.1	2.4	2.4	9.2
Auxiliary sources	230 V kW ISO 8528	4.0	3.50	4.0	3.50	3.0
	400 V kVA(1)	X	7.15	X	7.15	8.8
Welding rate	60% (intensive)	170 A	170 A	170 A	170 A	250 A
	35% (normal)	200 A	200 A	200 A	200 A	300 A
Rods	Min/max Ø in mm	1.6-4	1.6-4	1.6-4	1.6-4	1.6-5
	Sound power level guaranteed (LWA) in dB(A)	**101**	**101**	**97**	**97**	**101**
	Sound pressure level @ 7 m dB(A)	72	72	68	68	72
	Weight in Kg	111	112	87	88	152
Socket codes(2)		P1L	P1J	P1L	P1J	P1K

WELDARC DIESEL WELDING SETS

Type		WELDARC 180 DE C	WELDARC 300 TDE XL C
Engine	Brand	Kohler® Diesel	Kohler® Diesel
	Type	KD 440	KD 425-2
	Run time in hr	4.2	20.6
Auxiliary sources	230 V kW ISO 8528	4.0	3.0
	400 V kVA(1)	X	8.8
Welding rate	60% (intensive)	145 A	250 A
	35% (normal)	180 A	300 A
Rods	Min/max Ø in mm	1.6-4	1.6-5
	Sound power level guaranteed (LWA) in dB(A)	**108**	**109**
	Sound pressure level @ 7 m dB(A)	79	80
	Weight in Kg	100	175
Socket codes(2)		P1L	P1K

X Not available

(1) Theoretical value calculated for comparison purposes.

(2) See table of sockets on page 43.

SDMO **Options**

Options available for this range depending on the model: trolley kit, RCCB, maintenance kit, loose cover, welding kit. See pages 38 to 41 for the part numbers for these options.

SDMO FEATURE

KOHLER® savoir-faire at your service

The KOHLER® engines fitted to the welding sets are renowned for their performance and robustness that have been widely proven in agricultural, industrial and marine use. They have an electric starter for ease of use, an oil level shutdown if the oil pressure is low and automatic valve clearance adjustment (CH 640 only) giving an extended service interval. All models with KOHLER® engines have a 3 year guarantee.

VX 220/7,5 H

- HONDA® - GX 390 engine
- Welding rate:
  Intensive (60%): 170 Amp.
  Normal (35%): 200 Amp.
- Min./Max. Ø rod 1.6/4 mm
- Auxiliary output:
  7.15 kVA(1) - 400 V (with circuit breaker)
- EEC Noise level Lwa
  97 Lwa / 68 dB(A) @ 7 m
- Tool tray included

100 Amp. | 150 Amp. | 200 Amp. | 250 Amp. | 300 Amp. | 350 Amp.

3 year guarantee

Lwa 97 / 68 dB(A) @ 7 m

WELDARC 300 TE XL C

- KOHLER® - CH 640S engine
- Welding rate:
  Intensive (60%): 250 Amp.
  Normal (35%): 300 Amp.
- Min./Max. Ø rod 1.6/5 mm
- Auxiliary output:
  8.8 kVA(1) - 400 V (with circuit breaker)
- EEC Noise level Lwa
  101 Lwa / 72 dB(A) @ 7 m

100 Amp. | 150 Amp. | 200 Amp. | 250 Amp. | 300 Amp. | 350 Amp.

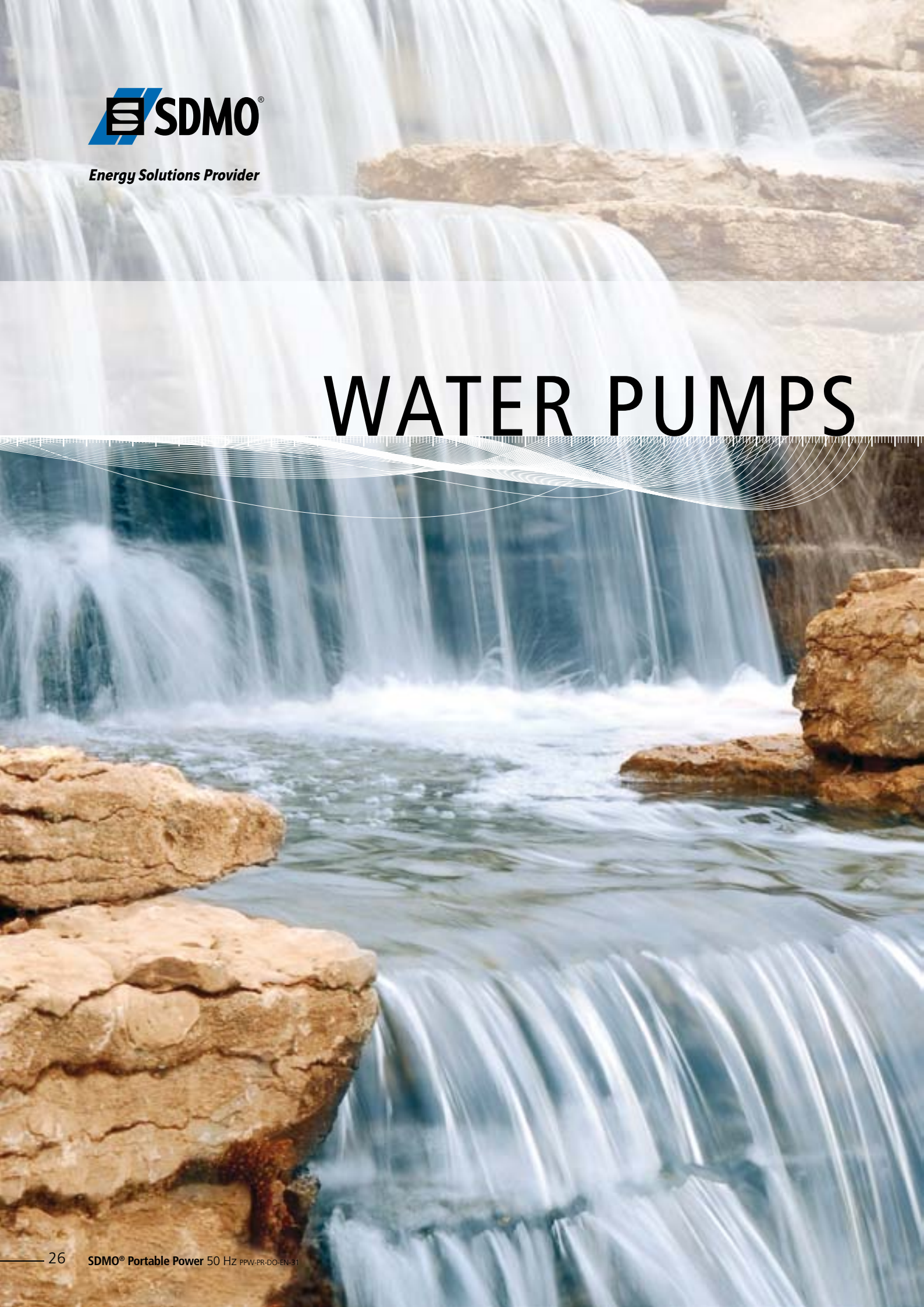
3 year guarantee

WELDARC 180 DE C

- KOHLER® DIESEL - KD 440 engine
- Welding rate:
  Intensive (60%): 145 Amp.
  Normal (35%): 180 Amp.
- Min./Max. Ø rod 1.6/4 mm
- Auxiliary output:
  4 kVA(1) - 230 V (with circuit breaker)
- EEC Noise level Lwa
  108 Lwa / 79 dB(A) @ 7 m
- Tool tray included

100 Amp. | 150 Amp. | 200 Amp. | 250 Amp. | 300 Amp. | 350 Amp.

3 year guarantee


SDMO®
Energy Solutions Provider
WATER PUMPS

3 essential steps to choosing the right water pump.

AQUALINE™ pumps are designed for professional use to meet the particular requirements of each worksite, from transferring clean water to more exacting requirements.

All SDMO® pumps are self-priming: there is an anti-return valve to fill the intake system by pumping the air through.

NB: the pump must be primed before it is started.

1 Assess the nature of the water or fluid to be pumped

Since all liquids needing pumping do not share the same characteristics, SDMO® water pumps are designed for multiple purposes depending on:

Water quality

- **Clean/nearly clean water or dirty water**

The AQUALINE™ INTENS range has 2 models, depending on the quality of the water to be pumped.

- The ST model, specially designed for clear water, is recommended for applications such as pisciculture, pumping out swimming pools, etc.
- The TR model is specially designed for pumping dirty water, in particular muddy trenches, excavations, sediment, etc.

- **Special fluids, very dirty water and high pressure**

There are 3 models of AQUALINE™ SPECIALIST for specific applications.

- The HP 2.26 H is designed for effectively cleaning floors, terraces, agricultural or worksite plant. It is also invaluable for first line fire-fighting.
- The XC 2.34 H is recommended for agricultural use, for pumping liquid manure and for handling salt water.
- The XT 3.78 H and TRASH 4 are designed for pumping very dirty water, for extreme, intensive use, and can handle solid particles from 20 to 30 mm.

The flow and pressure equired depending on the head losses.

2 Calculate the height of the elevation required

The elevation is more or less important depending on the configuration of the installation or the application (pumping out, sprinkling, irrigation, draining, washing). It is calculated from:

The suction height

This is the difference in height between the level of the water to be pumped and the axle of the pump. The laws of physics dictate that this cannot exceed 8m.

The discharge height

This is the difference in height between the axle of the pump and the highest point of the network.

The head loss

This is the resistance encountered by the water in the pipes. It is calculated according to the length, diameter and quality of the pipes, their shapes and the number of accessories (for general cases, we take 20%).

3 Determine the flow to choose the right output

The flow corresponds to the maximum quantity of water that can be extracted at a given height. It is determined by checking the height of elevation in metres on the curve. The flow in L/min may then be deduced. The height of elevation determines the available pressure.

This is divided by 10 to obtain the pressure in bar. If this pressure is not enough, a more powerful model should be selected.

The flow and the discharge height are the main criteria used in selecting your water pump.

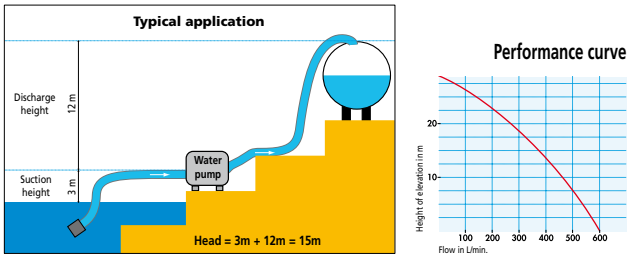
TECHNICAL CHARACTERISTICS

Model	AQUALINE™ INTENS				AQUALINE™ SPECIALIST			
	ST 2.36 H	ST 3.60 H	TR 2.36 H	TR 3.60 H	HP 2.26 H	XC 2.34 H	XT 3.78 H	TRASH 4
Helix	Graphite cast iron	Graphite cast iron	Graphite cast iron	Graphite cast iron	Graphite cast iron	PET*	Graphite cast iron	Graphite cast iron
Impeller	Cast iron	Cast iron	Graphite cast iron	Graphite cast iron	Graphite cast iron	PET*	Graphite cast iron	Graphite cast iron
Mechanical seal	Ceramic carbon	Ceramic carbon	Silicon carbide	Silicon carbide	Ceramic carbon	Ceramic carbon	Silicon carbide	Silicon carbide
Ease of removal	•	•	••	••	•	•	•••	•••

• Tool required •• Tool supplied ••• No tool required * **P**oly**E**thylene **T**erephtalate

Silicon carbide: higher abrasion resistance, lasts longer, low maintenance.

Graphite cast iron: harder, more resistant, too particulate abrasion when taking in water



Height of elevation = suction height + height of lift + head loss

AQUALINE™ INTENS

Designed for water with low solid content

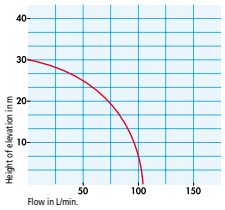
CLEAR 1

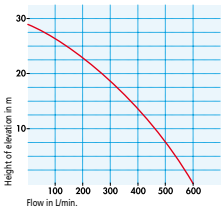
ST 2.36 H

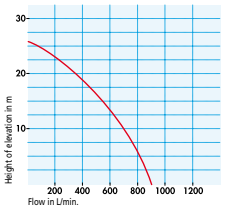
ST 3.60 H

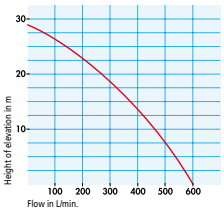
TR 2.36 H

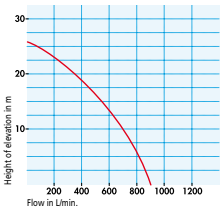
TR 3.60 H











WATER PUMPS

Type		CLEAR 1	ST 2.36 H	ST 3.60 H	TR 2.36 H	TR 3.60 H
	Height of elevation in m	30	29	26	29	26
	Max flow in m³/hr	6.6	36	54	36	54
	Granulometry in mm	8	8	8	8	8
Engine	Brand	Mitsubishi®	Honda®	Honda®	Honda®	Honda®
	Type	TLE 20 (2 Stroke)	GX 120	GX 160	GX 120	GX 160
	Run time in hr	1	2	3.4	2	3.4
	Sound power level guaranteed (LWA) in dB(A)	**105**	**103**	**105**	**103**	**105**
	Sound pressure level @ 7 m dB(A)	75	72	75	72	76
	Weight in Kg	4.9	23	29	23	29

SDMO **Options**

Options available for this range depending on the model: loose cover, hose kit, quick release connectors. See page 41 for the part numbers for these options.

SDMO FEATURE

HONDA® technology combined with ease of maintenance

AQUALINE™ INTENS ST 2.36 H and ST 3.60 H pumps are ideal for occasional pumping of clean or nearly clean water. They are fitted with high performance, professional HONDA® engines that are also suitable for extended use. The AQUALINE™ INTENS TR 2.36 H and TR 3.60 H models have a very high quality pump body and are designed for treating dirty water intensively and reliably. The front cover can be removed for quick cleaning, which is a considerable help for professionals.

CLEAR 1

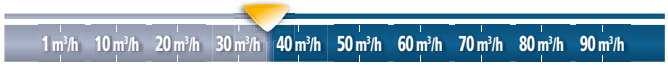
- Flow: 6.6 m³/hr
- Height of elevation: 30 m
- MITSUBISHI® - TLE 20 (2 stroke) engine
- Maximal pressure: 3 bar

Application*:
ideal for irrigation or garden watering.

ST 2.36 H

- Flow: 36 m³/hr
- Height of elevation: 29 m
- HONDA® - GX 120 engine
- Maximal pressure: 2.9 bar

Application*:
ideal for irrigation or emptying swimming pools.



TR 3.60 H

- Flow: 54 m³/hr
- Height of elevation: 26 m
- HONDA® - GX 160 engine
- Maximal pressure: 2.6 bar

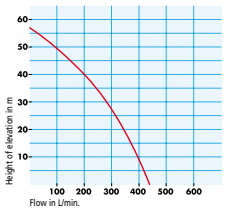
Application*:
ideal for pumping out cellars or muddy worksite trenches.

*Given for information only.

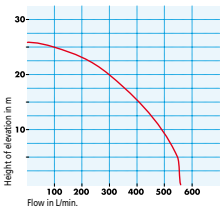
AQUALINE™ SPECIALIST

High performance under extreme conditions

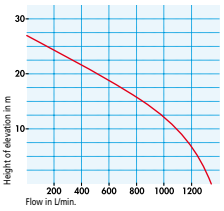
HP 2.26 H



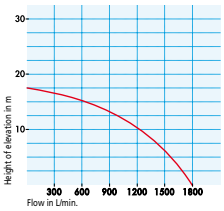
XC 2.34 H



XT 3.78 H



TRASH 4



WATER PUMPS

Type		HP 2.26 H	XC 2.34 H	XT 3.78 H	TRASH 4
	Height of elevation in m	57	26	27	17
	Max flow in m^3/hr	26.4	33.6	80.4	108
	Granulometry in mm	8	8	27	28
Engine	Brand	Honda®	Honda®	Honda®	Kohler® Diesel
	Type	GX 160	GX 120	GX 240	KD 350
	Run time in hr	3.4	2	2.7	4.3
	Sound power level guaranteed (LWA) in dB(A)	**108**	**106**	**110**	**108**
	Sound pressure level @ 7 m dB(A)	77	73	80	78
	Weight in Kg	30	22	58	90

SDMO **Options**

Options available for this range depending on the model: loose cover, hose kit, quick release connectors. See page 41 for the part numbers for these options.

SDMO FEATURE

More advanced technology and longer life

The high pressure HP 2.26 H has an optional lance kit (cf. p. 41), making it ideal for fire-fighting.

The XC 2.34 H pump has a particularly effective anti-corrosion body, designed to withstand aggressive fluids. This makes it particularly useful for pumping salt water.

HP 2.26 H

- Flow: 26.4 m³/hr
- Height of elevation: 57 m
- HONDA® - GX 160 engine
- Maximal pressure: 5.7 bar

Application*:
ideal for first line fire-fighting or cleaning agricultural plant.

XC 2.34 H

- Flow: 33.6 m³/hr
- Height of elevation: 26 m
- HONDA® - GX 120 engine
- Maximal pressure: 2.6 bar

Application*:
ideal for pumping chemicals and corrosive fluids.

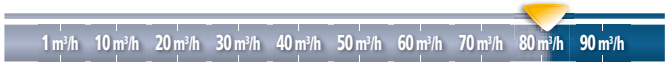
SDMO FEATURE

Pump body has stainless steel fixings.

XT 3.78 H

- Flow: 80.4 m³/hr
- Height of elevation: 27 m
- HONDA® - GX 240 engine
- Maximal pressure: 2.7 bar

Application*:
ideal for pumping out muddy trenches on worksites.



* Given for information only.

SDMO®

Energy Solutions Provider

RESIDENTIAL GENERATING SETS

Choosing the right generating set **for backup supply for your home**

The gensets in the residential power range can supply all the appliances that are critical for your comfort or your business if there is a power cut. They provide a safe source of energy that meets the quality standards for domestic electricity, protecting valuable electronic appliances.

They have an automatic weekly test system, ensuring that they will start up when required.

1 Reliable continuity of power

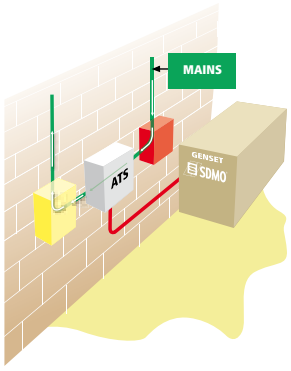
Generating sets in the residential power range are compact and sound insulated for home use. They can be installed permanently outdoors and start up automatically if there is a power cut, whether you are there or not. They can be used:

- to ensure continuous operation of medical equipment for patients being treated at home,
- to ensure that refrigerators and freezers keep running to preserve perishable foods for those in the catering business,
- to ensure that heating, alarms, air-conditioning, anti-freeze systems, computer equipment, etc continue to function in business premises and provide business continuity.

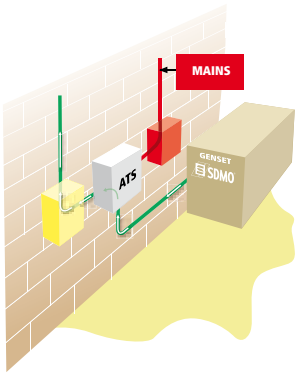
Pratical, automatic, simple: a standby source of electricity that is always available!

Operating principle:

- The automatic transfer switch selects the power source depending on the presence of the mains.
- If there is a power cut, the automatic transfer switch starts the genset and switches to standby power to restore the electrical supply within a few seconds.
- When the mains electricity supply returns to normal, the automatic transfer switch switches back to the mains, turns off the genset and continues to monitor the mains supply.
- Generating sets in the residential power range are also programmed to carry out automatic weekly maintenance tests to ensure that they are in working order and will start up as soon as there is a power cut.



Mains supply OK
When the mains power supply is OK, the ATS* connects the mains to the consumer unit.



Power cut
When there is a power cut, the automatic transfer switch detects that there is no mains electricity and starts the genset. The consumer unit is then supplied from the genset which provides electricity to the home.

* ATS: Automatic Transfer Switch.

2 Working out how much power you need

To determine which genset in the residential power range is best suited to your requirements, make a list of the electrical equipment in your home or business premises: heating, air-conditioning, medical equipment, electronic equipments, etc.

The following table, given for information only, lists the most common equipment and will help you to define your requirements that may vary depending on the rating of the appliances. The electrical specifications can be found in the manufacturers' data sheets.

Your electrician can inspect your system regularly to ensure that your residential power genset will give maximum satisfaction.

Selection guide	8.5 kW	12 kW	15 kW
Boiler	•	•	•
Refrigerator/freezer	•	•	•
Water pump	•	•	•
Lighting	•	•	•
Well pump	•	•	•
Television/radio	•	•	•
Computer	•	•	•
Ventilation		•	•
Automatic garage door		•	•
Large kitchen range			•
Water heater			•
Alarm system			•
Central air-conditioning			•
Washing machine			•
Tumble dryer			
Dish washer			
Vacuum cleaner			
Oven /toaster			

As the electrical appliances in your business premises or your home are never all on at the same time, **SDMO®** gensets must not be required to supply all the appliances simultaneously. Contact an **SDMO®** technician to determine the exact rating you require. Residential Power gensets must be installed by a qualified electrician.

RESIDENTIAL POWER GENERATING SETS

Never lack power!

RES 13 EC
RES 12 TEC

RES 18 EC
RES 16 TEC

SINGLE PHASE GENSETS

Type		RES 13 EC		RES 18 EC	
Max rating	Natural gas	9.30 kW	9.30 kVA*	14 kW	14 kVA*
	LPG	10.50 kW	10.50 kVA*	14 k W	14 kVA*
Engine	Brand	Kohler®		Kohler®	
	Type	CH 740		CH 980	
	Electric starter**	•		•	
Consumption (75%)(1)	Natural gas	4.2 m^3/hr		4.7 m^3/hr	
	LPG(2)	3.6 kg/hr		4.2 kg/hr	
	dB(A)@7m(3)	**65**		**66**	

THREE PHASE GENSETS

Type		RES 12 TEC		RES 16 TEC	
Max rating	Natural gas	9.00 kW	11.30 kVA*	12.90 kW	16.10 kVA*
	LPG	9.30 kW	11.60 kVA*	12.90 kW	16.10 kVA*
Engine	Brand	Kohler®		Kohler®	
	Type	CH 740		CH 980	
	Electric starter**	•		•	
Consumption (75%)(1)	Natural gas	4.2 m^3/hr		4.7 m^3/hr	
	LPG(2)	3.6 kg/hr		4.2 kg/hr	
	dB(A)@7m(3)	**62**		**65**	

• Standard. * Cosφ0.8 ** Requires optional battery (1) For information only, the operating pressure for this genset is between 0.012 and 0.027 bar for natural gas and between 0.017 and 0.027 bar for LPG (2) 1 kg = 0.535 m^3 (3) At 75 % load.

SDMO **Options**

Options available for this range: automatic transfer switch, maintenance kit, RCCB, standard battery. See page 40 for the part numbers of these options.

SDMO FEATURE

Control panel

The control panel gives a digital display of the hours counter, the electrical values and error codes, a simplified configuration of the main parameters, a main switch (on/off, restart/auto) and a 230 V socket.

SDMO FEATURE

Can run off liquid propane or natural gas.

RES 12 TEC

- Natural gas: 9 kW - 11.30 kVA*
  LPG: 9.30 kW - 11.60 kVA*
- KOHLER® - CH 740 engine
- EEC Noise level Lwa: 62 dB(A) @ 7m

62 dB(A) @ 7 m

RES 13 EC

- Natural gas: 9,30 kW - 9,30 kVA*
  GPL : 10.50 kW - 10.50 kVA*
- KOHLER® - CH 740 engine
- EEC Noise level Lwa: 65 dB(A) @ 7m

65 dB(A) @ 7 m

RES 18 EC

- Natural gas: 14 kW - 14 kVA*
  GPL : 14 kW - 14 kVA*
- KOHLER® - CH 980 engine
- EEC Noise level Lwa: 66 dB(A) @ 7m

66 dB(A) @ 7 m

* Cosφ0.8

SDMO®

Energy Solutions Provider

ACCESSORIES AND OPTIONS

Accessories and options **for portable gensets, welding sets and residential gensets**

Accessories supplied as standard

For commissioning

Funnel (except PRESTIGE, DIESEL, INDUSTRIAL ranges and residential gensets).

For maintenance

Illustrated user and maintenance manual in 20 languages.

For handling

Trolley kit: 4 wheels mounted on the chassis for the Alizé 6000 E and Alizé 7500 TE.

For storage

Storage box for the storage of tools.

For safety

RCCB on all gensets in the INDUSTRIAL range.

GenParts® SDMO® manufacturer's original parts

SDMO®'s Spare Parts Service manages 45,000 different parts, with 30,000 listed in its catalogue, in its warehouse covering an area of nearly 1700 m² of which 1200 m² is dedicated to storage and preparation, to ensure that your equipment will continue to be maintained.

Its 35 highly trained technicians and its effective part identification system are able to define your needs clearly and quickly to provide you with the parts or consumables that are best suited to your equipment.

With the support of its reliable suppliers, SDMO®'s Spare Parts Service is able to ensure fast procurement, world-wide, of original GenParts®, a brand exclusive to SDMO®. 400 orders are sent out every day to all parts of the world within 72 hours of receipt.

Accessories and options **for portable gensets, welding sets and residential gensets** (cont)

Ex works options only

For gensets For welding sets

Automatic transfer switches

Ref. R05A/Verso M*/Verso T*

Automatic startup on mains power failure.
If the mains power supply fails, the automatic controller sends a startup signal to the genset. When the genset starts up, the controller changes over to the backup power supply. Similarly, when the controller detects that the mains power supply has been restored, it switches back to the mains and stops the genset. The RCCB option is required for EU countries.

Ref. R05A

Ref. Verso M*

Ref. Verso T*

**Includes the adapter + auto pack (battery charger + preheater).*

RCCB

Ref. R01/R02/R03

Unit including RCCB and hours counter. For earthed neutral (TN, TT) systems.

The **R01** unit replaces the **RKD1** (excluding TECHNIC range).
Factory fitted only.

The **R03** has a thermal trip.

Ref. RESDIFF (for residential gensets)

For user safety and detection of residual leakage current from the electrical supply. The trip threshold is fixed and must be specified depending on the supply (30 mA or 300 mA).

Ref. R02B/R03B

Unit with three phase 4-pole RCCB (**R03B**) and single phase 2-pole RCCB (**R02B**). The unit is factory fitted in the place of the **RKD1** for the TECHNIC range.

Ref. R02B

Ref. R02B/R03B

MODYS control unit

Ref. MODYS*

The MODYS control unit makes the operation of the equipment safe and easy.
The 4 pin connector is used to connect remote controls easily such as the RSTART remote control and the automatic VERSO 50 transfer switches. Available as an option for gensets from 6 to 10 kW and fitted as standard on gensets over 10 kW.

**The MODYS control unit is not fitted if the optional R05A automatic transfer switch is fitted.*

Remote control panel

Ref. CM308

Separate unit with stop/start button and power and genset fault indicator light. Supplied without cable.

Hours counter

Mechanical hours counter included with the **R01**, **R02** and **R03** RCCBs.

Road trailers

Ref. R08B

Lightweight unbraked trailer with tongue for occasional use for the INDUSTRIAL range.
GVWR up to 750 kg with registration. UW 200 kg.
Overall dimensions (W x D x H): 2915 x 1546 x 1531 mm.
Optional articulated tongue (ask us for details).

Ref. R08D

Lightweight, steered and braked road trailer
(maximum laden weight 1000 kg with registration).
Overall dimensions (W x D x H): 3390 x 1520 x 1770 mm.
UW: 190 kg.

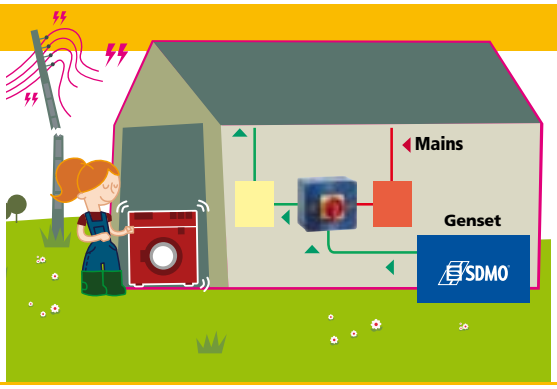
Accessories and options **for portable gensets, welding sets and residential gensets** (cont)

Options supplied separately

For gensets For welding sets

Manual transfer switch

Ref. R05M
The manual changeover switch is used to connected and disconnect a genset manually to a domestic circuit when there is a power cut. If the mains supply fails, the genset can be started manually and the control unit can be set to auxiliary source (63A) to supply all the electrical appliances in the home.



Bottles of oil

Ref. RBH0,5/RBH1
Box of 24 0.5 l. Bottles of oil or 20 1l. cans of oil (SAE 15W40).

Cover

Ref. RHO/RH1/RH2
Loose cover for storing and protecting gensets and welding sets.

Additive for unleaded petrol

Ref. RSTAB
Additive for gensets, welding sets and pumps running on unleaded petrol. This additive maintains the efficiency of the petrol, prevents corrosion and cleans the engine.
125 ml can.

Storage box

Ref. RBAC
Optional removable storage tray for certain gensets in the PERFORM and DIESEL ranges.

Sockets

Ref. RPPM
Socket pack with 1 230V 32 A outlet with circuit breaker
+ 1 230V 16 A outlet with circuit breaker
+ 1 10/16A outlet with circuit breaker. For XP-S6-HM-STORM only.

Ref. RPPT
Socket pack with 2 230V 16A outlets and 1 400V 16A outlet. For XP-S7-H-STORM only.

Automatic transfer switches

Ref. VERSO 50M 40A*
Switches over automatically if the mains fails, 40A 1P.

Ref. VERSO 50M 100A*
Switches over automatically if the mains fails, 100A 1P.

Ref. VERSO 50T 25A*
Switches over automatically if the mains fails, 25A 3P.

Ref. VERSO 50T 40A*
Switches over automatically if the 40A mains fails, 40A 3P.

** Includes the battery charger – Requires a genset with MODYS control unit. The optional RCCB is required for EEC countries.*

Central lifting yoke

Ref. RLIFT1
Central lifting yoke for PERFORM 3000 and TECHNIC 3000.

Ref. RLIFT2
Central lifting yoke for PERFORM 4500, PERFORM 6500, TECHNIC 4500 and TECHNIC 6500.

Wireless remote

Ref. RSTART
Wireless remote for starting or stopping the genset from a distance of up to 50 m* or 100 m with an additional antenna (optional).

** Requires the installation of the MODYS control unit.*

Coupling cable

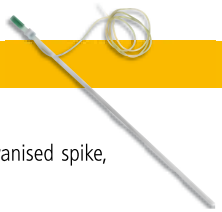
Ref. RCC
Coupling cable for connecting 2 INVERTER PRO 2000 gensets to give a total rating of 3 kW. For INVERTER PRO 2000 only.

Accessories and options **for portable gensets, welding sets and residential gensets** (cont)

Options supplied separately

For gensets For welding sets

Earth spike



Ref. RPQ
For earthing your genset. A 1m long galvanised spike, supplied with 2m of 10 mm² thick cable.

Trolley kits

Ref. R06
Trolley kit for 2 and 3 kW gensets. With 1 handle and solid tyres (Ø 187 mm).

Ref. R07
Trolley kit with handle bars and solid tyres (Ø 260 mm) for easier handling of gensets and welding sets.

Ref. RKB1
Trolley kit with 2 handles and 2 solid tyres (Ø 260 mm). For gensets and welding sets up to 6 kW with KOHLER® engine.

Ref. RKB2
Trolley kit with 4 handles and 2 inflatable tyres (Ø 360 mm) for easier handling of gensets over 6 kW and welding sets with KOHLER® engine.

Ref. RKB3
Trolley kit with 1 handle and 2 solid tyres (Ø 300 mm) for Diesel 6000 E SILENCE and Diesel 6500 TE SILENCE gensets.

Ref. RKB4
Trolley kit with 1 handle and 2 solid tyres (Ø 300 mm) for XP-S6-HM-STORM and XP-2-S7-H-STORM gensets

RCCB

Ref. RKD1
Kit of 2 plug-in RCCB adaptaters for domestic sockets. For insulated neutral (TT) systems. For fixed systems with hours counter, see factory fitted option.

Welding kit

Ref. R10
Includes 2 x 5m cable, 1 earth clip, 1 electrode holder, 1 hammer, 1 brush, 1 mask.

Maintenance kits

Ref. R18*
Maintenance kit for HONDA® GX 160 and GX 200 engines.

Ref. R19*
Maintenance kit for HONDA® GX 270 and GX 390 engines.

Ref. RKS1*
Maintenance kit for KOHLER® CH 270 engine.

Ref. RKS2*
Maintenance kit for KOHLER® CH 395 and CH 440 engines.

Ref. RKS5**
Maintenance kit for KOHLER® CH 640 engine.

Ref. RMS
Commissioning consists of: verifying compliance of the installation, checking fluid levels, starting the genset, carrying out no-load and load tests, teaching the customer about care and maintenance of the genset. Both the technician and the customer confirm acceptance of the commissioning process.

** Each kit contains a bottle of oil, a spark plug and an air filter.*
*** Each kit contains a bottle of oil, a spark plug, an air filter and an oil filter.*

Set of male plug

Ref. RPM
Power plug set for all models with 2x16A/230V (CEE17), 1x16A/230V, 1x32A/230V and 1x16A/400V.

Options for residential gensets

Ref. RESINS - Automatic Transfer Switch
Automatic startup when there is a power cut, 63 A or 100 A.

Ref. RESPF - Pack First
Maintenance kit with air filter, pre-air filter (except RES 18EC), spark plugs and oil filter.

Ref. RESBAT - Standard battery
Standard removable battery 12 V 50 Ah.

Ref. RMS - Commissioning
Comprising: checking the conformity of the installation, checking fluid levels, commissioning, tests unladen and under load, giving the customer instructions on maintenance and servicing the residential power genset, acceptance on commissioning by the technician and customer. Contact SDMO Industries sales service for a quotation.

Accessories and options **for water pumps**

Accessories supplied as standard

Strainers and hose clips

For ST 2.36 H and CLEAR 1

For ST 3.60 H

For HP 2.26 H and XC 2.34 H

For XT 3.78 H

For TR 2.36 H

For TR 3.60 H

For TRASH 4

Options supplied separately

Cover

Ref. RH0/RH1
Loose cover for storing and protecting pumps during the winter.

Maintenance kits

Ref. R18
Maintenance kit for
HONDA® GX 160 and **GX 200 engines**.

Ref. R19
Maintenance kit for **HONDA® GX 270** and **GX 390 engines**.

Each kit includes a bottle of oil, a spark plug and an air filter.

Trolley kit

Ref. R07
With handles and solid tyres (Ø 260 mm) to make it easier to move the TRASH 4.

Lance kit

Ref. R09
Lance kit for HP 2.26 H water pumps comprising 2 fire hose connectors, 25m fire hose, 5m intake hose and a fire-fighting lance (with jet, spray and off).

Bottles of oil

Ref. RBH0,5/RBH1
0.5 litre of SAE 15W40 oil (boxes of 24) and 1 litre of SAE 15W40 oil (boxes of 20).

Hose kit

Ref. R16
For 1" water pump with 5m intake hose + 10m output hose.

Ref. R11/R12
For 2" and 3" pumps with 5m intake hose + 25m output hose.

Ref. R21
Hose kit for 4" water pumps with 5m intake hose + 25m output hose.

Quick release connectors

Ref. R13/R14
Quick release connections kit for 2"and 3" water pumps*.

**Supplied as standard with the 4" pumps.*

Technical characteristics - **Generating sets**

SINGLE-PHASE GENSETS

Range	50 Hz				Engine							Alternator					Options(3)													
			Max power 230 V															RCCB				Control unit								
	Type	Qualigen	kW ISO 8528	kVA(1)	Brand	Type	Oil level shutdown	Electric start	HP 3.600 rpm	Run time in hr	L shaped tank	230V Circuit breaker	Sound power level guaranteed (LWA) in dB(A)	Sound pressure level @ 7 m dB(A)	Dimensions W x D x H in cm	Weight in Kg	Trolley kit trailer	Factory fitted	Removable	Automatic transfer switch	Remote control panel	Nexys (N)	Modys (M)	Manual transfer switch	Cover	Maintenance kit	Storage box	**Socket codes(2)**	**C Range**	**S Range**
PERFORM	**PERFORM 3000**	Yes	3,0	3,75	Kohler®	CH 270	•	X	6,0	3,2	4,1	•	**96**	68	65 x 51 x 46	43	RKB1	R01	RKD1	X	X	X	X	R05M	RHO	RKS1	RBAC	P1L	X	X
	PERFORM 4500	Yes	4,2	5,25	Kohler®	CH 395	•	X	8,5	3,5	7,3	•	**97**	68	81 x 55,5 x 59	66,5	RKB1	R01	RKD1	X	X	X	X	R05M	RH1	RKS2	RBAC	P1L	X	X
	PERFORM 6500	Yes	6,5	8,15	Kohler®	CH 440	•	X	11,9	2,8	7,3	•	**97**	69	81 x 55,5 x 59	96,5	RKB1	R02	X	X	X	X	X	R05M	RH1	RKS2	RBAC	P1H	X	X
	PERFORM 3000 GAZ	Yes	2,4	3,00	Kohler®	CH 270	•	X	6,0	X	X	•	**96**	68	65 x 51 x 46	44	RKB1	R01	RKD1	X	X	X	X	R05M	RHO	RKS1	RBAC	P1L	X	X
	PERFORM 4500 GAZ	Yes	3,9	4,90	Kohler®	CH 395	•	X	8,5	X	X	•	**97**	68	81 x 55,5 x 59	67,5	RKB1	R01	RKD1	X	X	X	X	R05M	RH1	RKS2	RBAC	P1L	X	X
	PERFORM 6500 GAZ	Yes	5,8	7,25	Kohler®	CH 440	•	X	11,9	X	X	•	**97**	69	81 x 55,5 x 59	97,5	RKB1	R02	X	X	X	X	X	R05M	RH1	RKS2	RBAC	P1H	X	X
INTENS	**HX 3000**	Yes	3,0	3,75	Honda®	GX 200	•	X	5,5	2,4	3,1	•	**95**	67	59 x 46 x 43	41	R06	R01	RKD1	X	X	X	X	R05M	RHO	R18	X	P1L	△	△
	HX 4000	Yes	4,0	4,50	Honda®	GX 270	•	X	8,0	2,5	5,3	•	**97**	67	71,5 x 57 x 49	56	R07	R01	RKD1	X	X	X	X	R05M	RH1	X	X	P1L	△	△
	HX 6000	Yes	6,0	6,60	Honda®	GX 390	•	X	11,0	2,4	6,1	•	**97**	68	77 x 57 x 59	79	R07	R02	X	X	X	X	X	R05M	RH1	R19	X	P1H	△	△
TECHNIC	**TECHNIC 3000***	Yes	3,0	3,75	Kohler®	CH 270	•	X	6,0	10,0	13,0	•	**96**	67	65 x 51 x 46	46	RKB1	R02B	RKD1	X	X	X	X	R05M	RHO	RKS1	X	P1M	X	X
	TECHNIC 4500 AVR	Yes	4,2	4,95	Kohler®	CH 395	•	X	8,5	10,6	18,0	•	**97**	68	81 x 55,5 x 59	73,5	RKB1	R02B	RKD1	X	X	X	X	R05M	RH1	RKS2	X	P1M	X	X
	TECHNIC 6500	Yes	6,5	8,15	Kohler®	CH 440	•	X	11,9	6,9	18,0	•	**97**	69	81 x 55,5 x 59	100	RKB1	R02B	X	X	X	X	X	R05M	RH1	RKS2	X	P1ZA	X	X
	TECHNIC 6500 E AVR	Yes	6,5	8,15	Kohler®	CH 440	•	•	11,9	6,9	18,0	•	**97**	69	81 x 55,5 x 59	105	RKB1	R02B	X	VERSO 50M 40A****		X	M	R05M	RH1	RKS2	X	P1ZA	X	X
	TECHNIC 10000 E AVR C	No	10,0	12,10	Kohler®	CH 640S	•	•	20,0	8,3	35,0	•	**101**	72	89,5 x 57 x 77	139	RKB2	R02B	X	VERSO 50M 40A		X	•	R05M	RH2	RKS5	X	P1ZD	•	X
PRESTIGE	**INVERTER PRO 1000**	Yes	1,0	1,00	Yamaha®	MZ50	•	X	NC	5	2,5	•	**88**	59	45 x 24 x 38	13	X	X	RKD1	X	X	X	X	R05M	X	X	X	P1ZB	X	X
	INVERTER PRO 2000	Yes	2,0	2,00	Yamaha®	MZ80	•	X	NC	4,7	4,2	•	**89**	60	49 x 28 x 44,5	21	X	X	RKD1	X	X	X	X	R05M	X	X	X	P1ZB	X	X
	INVERTER PRO 3000 E	Yes	3,0	3,00	Yamaha®	MZ175	•	•	NC	10	13,0	•	**88**	59	68 x 44,5 x 55,5	68	•	X	RKD1	X	X	X	X	R05M	X	X	X	P1ZC	X	X
	ALIZÉ 3000	Yes	2,8	3,50	Honda®	GX 200	•	X	5,5	9,2	12,0	•	**94**	65	57 x 45 x 46	46	R06	X	RKD1	X	X	X	X	R05M	RHO	X	X	P1L	X	X
	ALIZÉ 6000 E	Yes	5,6	6,05	Honda®	GX 390	•	•	11,0	9,6	24,0	•	**94**	65	78 x 59 x 75,5	130	•	R02B	X	R05A		X	X	R05M	X	X	X	P1P	X	X
DIESEL	**DIESEL 4000 C**	No	3,4	4,25	Kohler® Diesel	KD 350	X	X	7,0	4,8	4,3	•	**108**	78	81 x 55,5 x 59	70	RKB1	R01	RKD1	X	X	X	X	R05M	X	X	RBAC	P1L	•	X
	DIESEL 4000 E XL C	No	3,4	4,25	Kohler® Diesel	KD 350	•	•	7,0	17,8	16,0	•	**108**	78	81 x 55,5 x 59	84	RKB1	R01	RKD1	R05A		X	X	R05M	X	X	RBAC	P1L	•	X
	DIESEL 6000 E XL C	No	5,2	6,50	Kohler® Diesel	KD 440	•	•	9,8	13,3	16,0	•	**108**	79	81 x 55,5 x 59	103	RKB1	R02	X	VERSO 50M 40A		X	M	R05M	X	X	RBAC	P1H	•	X
	DIESEL 6000 E SILENCE	Yes	5,2	6,50	Kohler® Diesel	KD 440	•	•	9,8	18,3	22,0	•	**88**	59	99 x 61 x 93	198	RKB3	R02B	X	VERSO 50M 40A		X	•	R05M	X	X	X	P1ZD	X	X
	DIESEL 10000 E XL C	No	9,0	11,25	Kohler® Diesel	KD 425-2	•	•	19,0	16,7	35,0	•	**109**	80	89,5 x 57 x 77	162	RKB2	R02B	X	VERSO 50M 40A		X	•	R05M	X	X	X	P1ZD	•	X
INDUSTRIAL	**XP-S6-HM-STORM**	Yes	5,6	7,00	Kohler®	KDW 502	•	•	X	15,0	35,0	•	**93**	65	116,5 x 70,5 x 78,3	245	RKB4	•	X	VERSO 50M 40A		X	•	R05M	X	X	X	X	X	X
	XP-T6KM-ALIZÉ(4)	Yes	5,5	6,00	Mitsubishi® Diesel	L3E-SD	•	•	X	29,4	50,0	•	**86**	57	150 x 76 x 103	390	R08B	•	X	VERSO M	CM308	•	X	R05M	X	RMS	X	P1C	X	X
	XP-T8HKM-ALIZÉ(4)	Yes	7,5	9,35	Mitsubishi® Diesel	L2E-SDH	•	•	X	19,2	50,0	•	**94**	65	150 x 76 x 103	340	R08B	•	X	VERSO M	CM308	•	X	R05M	X	RMS	X	P1C	X	X
	XP-T9KM-ALIZÉ(4)	Yes	8,6	10,75	Mitsubishi® Diesel	S3L2-SD	•	•	X	20,0	50,0	•	**86**	57	175 x 77,5 x 123	544	R08D	•	X	VERSO M	CM308	•	X	R05M	X	RMS	X	P1C	X	X

THREE-PHASE GENSETS

Range	50 Hz					Engine							Alternator						Options(3)												
			Max power 230 V										230 V	400 V						RCCB				Control unit							
			3-ph 400 V		1-ph 230 V																										
	Type	Qualigen	kW ISO 8528	kVA(1)	kW ISO 8528	Brand	Type	Oil level shutdown	Electric start	HP 3.600 rpm	Run time in hr	L shaped tank	Circuit breaker	Circuit breaker	Sound power level guaranteed (LWA) in dB(A)	Sound pressure level @ 7 m dB(A)	Dimensions W x D x H in cm	Weight in Kg	Trolley kit trailer	Factory fitted	Removable	Automatic transfer switch	Remote control panel	Nexys (N)	Modys (M)	Cover	Maintenance kit	Storage box	**Socket codes(2)**	**C Range**	**S Range**
PERFORM	**PERFORM 5500 T**	Yes	4,5	5,65	1,3	Kohler®	CH 395	•	X	8,5	3,5	7,3	•	•	**97**	68	81 x 55,5 x 59	77,5	RKB1	R03	X	X	X	X	X	RH1	RKS2	RBAC	P1J	X	X
	PERFORM 7500 T	Yes	6,5	8,15	2,3	Kohler®	CH 440	•	X	11,9	2,8	7,3	•	•	**97**	69	81 x 55,5 x 59	106,5	RKB1	R03	X	X	X	X	X	RH1	RKS2	RBAC	P1J	X	X
INTENS	**HX 5000 T**	Yes	4,0	5,00	1,3	Honda®	GX 270	•	X	8,0	2,5	5,3	•	•	**97**	67	71,5 x 57 x 49	68	R07	R03	X	X	X	X	X	RH1	R19	X	P1J	△	△
	HX 7500 T**	Yes	6,0	7,50	2,3	Honda®	GX 390	•	X	11,0	2,4	6,1	•	•	**97**	68	77 x 57 x 59	80	R07	R03	X	X	X	X	X	RH1	R19	X	P1J	△	△
TECHNIC	**TECHNIC 5500 T**	Yes	4,5	5,65	1,3	Kohler®	CH 395	•	X	8,5	10,6	18,0	•	•	**97**	68	81 x 55,5 x 59	79	RKB1	R03B	X	X	X	X	X	RH1	RKS2	X	P1I	X	X
	TECHNIC 7500 T***	Yes	6,5	8,15	2,3	Kohler®	CH 440	•	X	11,9	6,9	18,0	•	•	**97**	69	81 x 55,5 x 59	110,5	RKB1	R02B	X	X	X	X	X	RH1	RKS2	X	P1I	X	X
	TECHNIC 7500 TE AVR	Yes	6,5	8,15	2,3	Kohler®	CH 440	•	•	11,9	6,9	18,0	•	•	**97**	69	81 x 55,5 x 59	115	RKB1	R03B	X	VERSO 50T 25A****		X	M	RH1	RKS2	X	P1I	X	X
	TECHNIC 15000 TE AVR C	No	11,0	13,75	3,7	Kohler®	CH 640S	•	•	20,0	8,3	35,0	•	•	**101**	72	89,5 x 57 x 77	170	RKB2	R03B	X	VERSO 50T 25A		X	•	RH2	RKS5	X	P1ZE	•	X
	TECHNIC 20000 TE AVR C	No	15,2	19,00	3,7	Kohler®	CH 940	•	•	34,0	6,3	35,0	•	•	**104**	74	94,5 x 57 x 90	188	RKB2	R03B	X	VERSO 50T 25A		X	•	X	X	X	P1Z	•	X
PRESTIGE	**ALIZE 7500 TE**	Yes	5,6	6,60	2,3	Honda®	GX 390	•	•	11,0	9,6	24,0	•	•	**94**	65	78 x 59 x 75,5	132	•*	R03B	X	R05A		X	X	X	X	X	P1Q	X	X
DIESEL	**DIESEL 6500 TE XL C**	No	5,2	6,50	2,3	Kohler® Diesel	KD 440	•	•	9,8	13,3	16,0	•	•	**108**	79	81 x 55,5 x 59	105	RKB1	R03	X	VERSO 50T 25A****		X	M	X	X	RBAC	P1J	•	X
	DIESEL 6500 TE SILENCE	Yes	5,2	6,50	2,3	Kohler® Diesel	KD 440	•	•	9,8	18,3	22,0	•	•	**88**	59	99 x 61 x 93	198	RKB3	R03B	X	VERSO 50T 25A		X	•	X	X	RBAC	P1ZE	•	X
	DIESEL 15000 TE XL C	No	10,0	12,50	3,7	Kohler® Diesel	KD 425-2	•	•	19,0	16,7	35,0	•	•	**109**	80	89,5 x 57 x 77	174	RKB2	R03B	X	VERSO 50T 25A		X	•	X	X	X	P1ZE	•	X
INDUSTRIAL	**XP-S7-H-STORM (4)**	No	7,0	8,75	2,3	Kohler®	KDW502	•	•	X	15,2	35,0	•	•	**93**	64	113,8 x 68 x 78,6	235	RKB4	•	X	VERSO 50T 25A		•	X	X	RMS	X	X	X	X
	XP-T9HK-ALIZÉ(4)	Yes	7,2	9,00	3,7	Mitsubishi® Diesel	L2E-SDH	•	•	X	19,2	50,0	•	•	**94**	65	150 x 76 x 103	365	R08B	•	X	VERSO T	CM308	•	X	X	RMS	X	P1F	X	X
	XP-T12K-ALIZÉ(4)	Yes	9,2	11,50	3,7	Mitsubishi® Diesel	S3L2-SD	•	•	X	20,0	50,0	•	•	**86**	57	175 x 77,5 x 123	535	R08D	•	X	VERSO T	CM308	•	X	X	RMS	X	P1V	X	X
	XP-T12HK-ALIZÉ(4)	Yes	9,6	12,00	3,7	Mitsubishi® Diesel	L3E-SDH	•	•	X	11,9	50,0	•	•	**95**	66	150 x 76 x 103	385	R08B	•	X	VERSO T	CM308	•	X	X	RMS	X	P1V	X	X
	XP-T15HK-ALIZÉ(4)	No	12,0	15,00	3,7	Mitsubishi® Diesel	L3E-SDH	•	•	X	11,9	50,0	•	•	**96**	67	175 x 77,5 x 123	442	R08D	•	X	VERSO T	CM308	•	X	X	RMS	X	P1V	X	X
	XP-T16K-ALIZÉ(4)	No	12,8	16,00	3,7	Mitsubishi® Diesel	S4L2-SD	•	•	X	14,7	50,0	•	•	**87**	58	175 x 77,5 x 123	554	R08D	•	X	VERSO T	CM308	•	X	X	RMS	X	P1V	X	X

X Not available. • Standard. •* 4 wheels fitted on frame. △ Available.

(1) Theoretical value calculated for comparison purposes. (2) See table of sockets page 43. (3) See options, pages 38 to 41.
(4) MICS NEXYS: Displays following parameters: frequency, battery voltage, timing, hours counter and genset speed.
(5) MICS MODYS: Displays following parameters: overspeed, non-starting, oil pressure, battery and temperature.

* These gensets may be fitted with an IP54 alternator.

** This genset may be fitted with AVR and an IP54 alternator: HX 7500 T AVR IP54.

*** This genset may be fitted with AVR and an IP54 alternator: TECHNIC 7500 T AVR IP54.

**** If MODYS option fitted

This information is preliminary, to be confirmed.

Tech. char. - **Welding sets, water pumps and residential generating sets**

WELDING SETS

Range	Type	Qualigen	Engine					Auxiliary sources		Welding rate		Adjustments		Rods		Max. Starting current	Nominal	Sound power level guaranteed (LWA) in dB(A)	Sound pressure level @ 7 m dB(A)	Dimensions W x D x H in cm	Weight in Kg	Options[3]							Socket codes[2]	C Range	S Range
			Brand	Type	Run time in hr	L shaped tank	Oil level shutdown	230 V kW ISO 8528	400 V kVA[1]	60% (intensive)	35% (normal)	Min/max amperage	Current	Min/max Ø in mm	All types							Trolley kit trailer	RCCB Factory fitted	RCCB Removable	Maintenance kit	Storage box	Loose cover	Welding kit			
WELDARC INTENS	WELDARC 200 E XL C	No	Kohler®	CH 15	12,1	35,0	No	4,0	X	170 A	200 A	75-200 A	Direct	1,6-4	Yes	75 V	230 V	**101**	72	89,5 x 57 x 77	111	RKB2	R01	RKD1	X	X	RH2	R10	P1L	•	X
	VX 200/4H	Yes	Honda®	GX 390	2,4	6,1	Yes	4,0	X	170 A	200 A	50-200 A	Direct	1,6-4	Yes	75 V	230 V	**97**	68	88 x 57 x 55,5	87	R07	R01	RKD1	R19	•	RH2	R10	P1L	△	△
	WELDARC 220 TE XL C	No	Kohler®	CH 15	12,1	35,0	No	3,5	7,15	170 A	200 A	75-200 A	Direct	1,6-4	Yes	73 V	400 V	**101**	72	89,5 x 57 x 77	112	RKB2	X	X	X	X	RH2	R10	P1J	•	X
	VX 220/7,5H	Yes	Honda®	GX 390	2,4	6,1	Yes	3,5	7,15	170 A	200 A	40-200 A	Direct	1,6-4	Yes	73 V	400 V	**97**	68	88 x 57 x 55,5	88	R07	X	X	R19	•	RH2	R10	P1J	△	△
	WELDARC 300 TE XL C	No	Kohler®	CH 640S	9,2	35,0	Yes	3,0	8,80	250 A	300 A	40-300 A	Direct	1,6-5	Yes	75 V	400 V	**101**	72	89,5 x 57 x 77	152	RKB2	•	X	X	X	X	X	P1K	•	X
WELDARC DIESEL	WELDARC 180 DE C	No	Kohler® Diesel	KD 440	4,2	5,0	Yes	4,0	X	145 A	180 A	75-180 A	Direct	1,6-4	Yes	75 V	230 V	**108**	79	81 x 55,5 x 59	100	RKB1	R01	RKD1	X	•	X	R10	P1L	•	X
	WELDARC 300 TDE XL C	No	Kohler® Diesel	KD 425-2	20,6	35,0	Yes	3,0	8,80	250 A	300 A	40-300 A	Direct	1,6-5	Yes	75 V	400 V	**109**	80	89,5 x 57 x 77	175	RKB2	•	X	X	X	X	X	P1K	•	X

WATER PUMPS

Range	Type	Pump								Engine						Sound power level guaranteed (LWA) in dB(A)	Sound pressure level @ 7 m dB(A)	Dimensions W x D x H in cm	Weight in Kg	Accessories			Options[3]			
		Suction Ø in mm	Lift Ø in mm	Height of elevation in m	Max flow in m³/hr	Max flow in L/min	Max suction height in m	Granulometry in mm	Automatic priming	Brand	Type	Run time in hr	HP 3.600 rpm	L shaped tank	Oil level shutdown					Input/output connectors	Filter	Clamp	Cover	Hose kit	Quick release connectors	Trolley kit trailer
AQUALINE™ INTENS	CLEAR 1	25	25	30	6,6	110	8	8	Yes	Mitsubishi®	TLE 20 (2 stroke)	1,0	0,8	0,4	X	**105**	75	32 x 28 x 35,3	4,9	2	1	3	X	R16	X	X
	ST 2.36 H	50	50	29	36	600	8	8	Yes	Honda®	GX 120	2,0	3,5	2,0	Yes	**103**	72	46,8 x 36,2 x 38	23	2	1	3	RHO	R11	R13	X
	ST 3.60 H	80	80	26	54	970	8	8	Yes	Honda®	GX 160	3,4	4,8	3,1	Yes	**105**	75	50,5 x 41,4 x 44,8	29	2	1	3	RHO	R12	R14	X
	TR 2.36 H	50	50	29	36	600	8	8	Yes	Honda®	GX 120	2,0	3,5	2,0	Yes	**103**	72	46,8 x 36,2 x 39,8	23	2	1	3	RHO	R11	R13	X
	TR 3.60 H	80	80	26	54	900	8	8	Yes	Honda®	GX 160	3,4	4,8	3,1	Yes	**105**	76	50,5 x 39,8 x 46,6	29	2	1	2	RHO	R12	R14	X
AQUALINE™ SPECIALIST	HP 2.26 H	50	50	57	26,4	440	8	8	Yes	Honda®	GX 160	3,4	4,8	3,1	Yes	**108**	77	41,5 x 54,5 x 45,5	30	2	1	2	RHO	R09		X
	XC 2.34 H	50	50	26	33,6	560	8	8	Yes	Honda®	GX 120	2,0	3,5	2,0	Yes	**106**	73	52 x 42,8 x 44,8	22	2	1	3	RHO	R11	R13	X
	XT 3.78 H	80	80	27	80,4	1340	8	27	Yes	Honda®	GX 240	2,7	7,1	5,3	Yes	**110**	80	69 x 48,5 x 53,2	58	2	1	3	RHO	R12	R14	X
	TRASH 4	100	100	17	108	2000	8	28	Yes	Kohler® Diesel	KD 350	4,3	7,0	4,3	X	**108**	78	71,5 x 57 x 59	90	2	1	3	RH1	R21	•	R07

RESIDENTIAL GENSETS

Range	Type	50 Hz				Engine									Sound pressure level @ 7 m dB(A)	Dimensions W x D x H in cm	Weight in Kg	Standard equipment		Options[3]				
		Natural gas		LPG		Brand	Type	Electric starter*	Displacement (L)	Stroke and bore in mm	Speed rpm	Electronic control	Consumption (75%)					Preheater	Battery charger	Automatic transfer switch	Maintenance kit	RCCB	Standard battery	Commissioning
		kW	kVA	kW	kVA								Natural gas	LPG										
SINGLE PHASE	RES 13 EC	9,30	9,30	10,50	10,50	Kohler®	CH 740	•	0,725	67 x 83	3000	•	4,2 m³/hr	3,6 kg/hr	**65**	112,3 x 72,6 x 80,4	182	•	•	RESINS63M	RESPF	RESDIFF MONO	RESBAT	•
	RES 18 EC	14,00	14,00	14,00	14,00	Kohler®	CH 980	•	0,999	78,5 x 90	3000	•	4,7 m³/hr	4,2 kg/hr	**66**	119,9 x 72,6 x 80,4	227	•	•	RESINS100M	RESPF	RESDIFF MONO	RESBAT	•
THREE PHASE	RES 12 TEC	9,00	11,30	9,30	11,60	Kohler®	CH 740	•	0,725	67 x 83	3000	•	4,2 m³/hr	3,6 kg/hr	**62**	112,3 x 72,6 x 80,4	182	•	•	RESINS63T	RESPF	RESDIFF TRI	RESBAT	•
	RES 16 TEC	12,90	16,10	12,90	16,10	Kohler®	CH 980	•	0,999	78,5 x 90	3000	•	4,7 m³/hr	4,2 kg/hr	**65**	119,9 x 72,6 x 80,4	227	•	•	RESINS100T	RESPF	RESDIFF TRI	RESBAT	•

* Requires battery option. This information is preliminary, to be confirmed.

SOCKETS

Code	Description
P1C	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 230V 32A socket - Circuit breaker + RCCB + MICS NEXYS[4].
P1F	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker + RCCB + MICS NEXYS[4].
P1G	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker + emergency stop button + hours counter + indicator light + MICS MODYS[5].
P1H	1 230V 10/16A socket - Circuit breaker + 1 230V 32A socket - Circuit breaker.
P1I	1 230V 10/16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker + hours counter.
P1J	1 230V 10/16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker.
P1K	1 230V 16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker + hours counter + RCCB .
P1L	2 230V 10/16A sockets - Circuit breaker.
P1M	2 230V 10/16A sockets - Circuit breaker + hours counter.
P1P	2 230V 10/16A sockets - Circuit breaker + 1 230V 32A socket - Circuit breaker + hours counter + indicator light.
P1Q	2 230V 10/16A sockets - Circuit breaker + 1 400V 16A socket - Circuit breaker + hours counter + indicator light.
P1V	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 400V 32A socket - Circuit breaker + RCCB + MICS NEXYS[4].
P1Z	1 230V 10/16A socket - Circuit breaker + 2 400V 16A sockets - Circuit breaker + 1 400V 32A socket - Circuit breaker + hours counter + indicator light + MICS MODYS[5].
P1ZA	1 230V 10/16A socket - Circuit breaker + 1 230V 32A socket - Circuit breaker + hours counter.
P1ZB	1 230V 10/16A socket - Circuit breaker + 1 12V 8A socket - Circuit breaker + indicator light.
P1ZC	2 230V 10/16A sockets - Circuit breaker + 1 12V 12A socket - Circuit breaker + indicator light.
P1ZD	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 230V 32A socket - Circuit breaker + hours counter + indicator light + MICS MODYS[5].
P1ZE	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker + hours counter + indicator light + MICS MODYS[5].

X Not available. • Standard. △Available.

(1) Theoretical value calculated for comparison purposes. (2) See table of sockets above. (3) See options, pages 38 to 41.
(4) MICS NEXYS: Displays following parameters: frequency, battery voltage, timing, hours counter and genset speed.
(5) MICS MODYS: Displays following parameters: overspeed, non-starting, oil pressure, battery and temperature.

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