

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 generating sets



# Portable Power 50Hz

PPW-PR-DU-US-21

ENGLISH UK & IRELAND VERSION

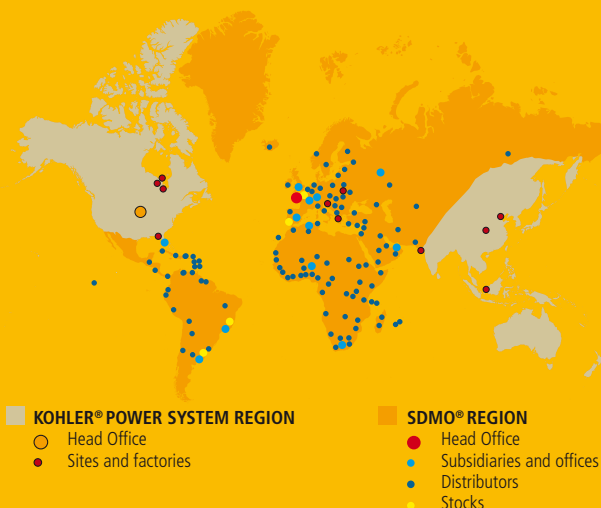


*Energy Solutions Provider*



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## Leading French manufacturer of generators and the 3<sup>rd</sup> 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 generators 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 generators 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 generators 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, 5 agencies (South Africa, Algeria, Dubai, Egypt, Russia), 5 storage centres, 5 sales offices, 3 regional divisions and 8 subsidiaries.

- SDMO Energy Ltd in Great Britain,
- SDMO Industries Ibérica in Spain,
- SDMO ns/sa in Belgium,
- SDMO Argentina SA in Argentina,
- SDMO Maquigeral in Brazil,
- SDMO Lagos in Nigeria,
- SDMO Generating Sets in the Latin America & Caribbean,
- SDMO GmbH in 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 generator to be dispatched to anywhere in the world within a very short timeframe.



### Rental Power

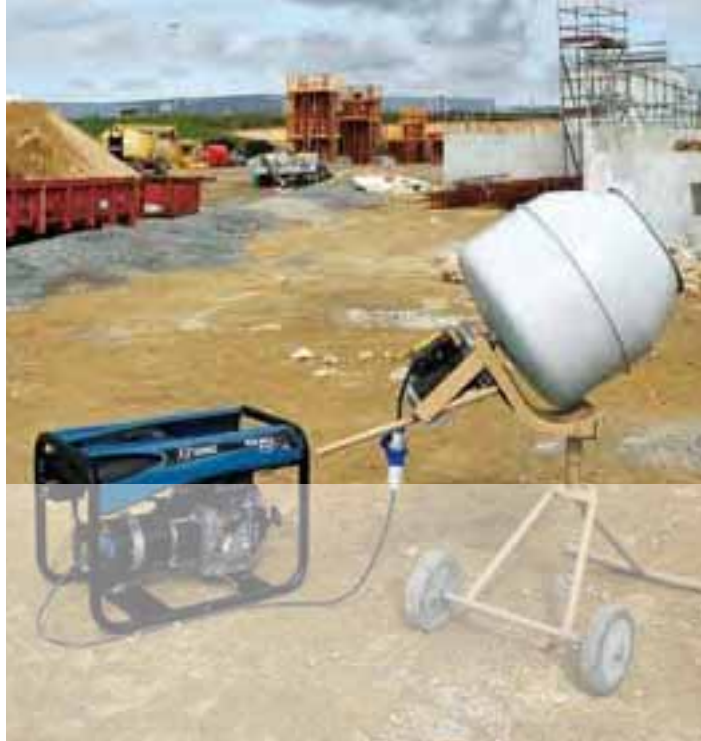
Versatility, sturdiness and silence, all essential criteria for a range suited to the rental market and whose level of performance responds to usage conditions that are both specific and intensive.



### Power Solutions

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





## Generating sets designed to meet professional exact requirements

To design powerful, high performance generators 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 generators have IP54 rating to protect them from dust and splashing. This is a requirement of BGI 867 for professional use in Germany.

#### ▶ Automatic Voltage Regulation (AVR)

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

#### ▶ Design and ergonomics

Generators 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® generators 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.



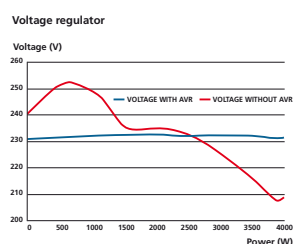
Grips on the handles to make handling easier



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® generators, 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

\* Available on the TECHNIC 10000 E and TECHNIC 15000 TE.

\*\* Advantages of KOHLER® engines in general. Depending on the model.

## 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 generator 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 generators 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

# Portable Power®: SDMO® stakes its reputation

## Safety and quality

In order to enable consumers to make an informed choice, generator (< 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, generators 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 generators indicates that they conform to the 2000/14/EC Noise Emission Directive. In the tables, only generators 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.

reach



## 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 generators 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](http://www.sdmo.com) has a Need Help? page which gives answers to the most Frequently Asked Questions.





*Energy Solutions Provider*

# GENERATING SETS



# Choosing the right generator: 2 simple, essential steps

## 1 What will it be used for and how often?

Requirement	Range
<ul style="list-style-type: none"> <li>easy to handle equipment that is efficient, cost effective and suitable for frequent use</li> </ul>	<p><b>PERFORM</b> (p. 10)</p>  <p>3 year guarantee</p> 
<ul style="list-style-type: none"> <li>equipment that is robust, long-lasting and simple to use for repetitive operations in difficult conditions</li> </ul>	<p><b>INTENS</b> (p. 12)</p>  <p>3 year guarantee</p> 
<ul style="list-style-type: none"> <li>equipment with a long run time that can withstand extreme conditions, for daily professional use</li> </ul>	<p><b>TECHNIC</b> (p. 14)</p>  <p>3 year guarantee</p> 
<ul style="list-style-type: none"> <li>top of the range equipment that is efficient and with low noise emissions, for a wide range of standard requirements</li> </ul>	<p><b>PRESTIGE</b> (p. 16)</p>  
<ul style="list-style-type: none"> <li>leading edge technology, designed for regular, intensive use, that is powerful and quiet</li> </ul>	<p><b>INDUSTRIAL</b> (p. 18)</p>  
<ul style="list-style-type: none"> <li>both long run times and very long life for professional applications</li> </ul>	<p><b>DIESEL</b> (p. 20)</p>  <p>3 year guarantee</p> 

### Key: Example: **TECHNIC 9000 TE AVR IP54 C**

<b>TECHNIC</b>	Name of the range
<b>T</b>	Three phase generator
<b>E</b>	Electric starter
<b>AVR</b>	Generator with Automatic Voltage Regulation
<b>IP54</b>	Ingress protection of the generator
<b>C</b>	Conforms to EC mark requirements but not to the 2000/14/EC noise emission directive
<b>S</b>	Does not conform to European directives
<b>XL</b>	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 generator the illustrated guide opposite, provided for information purposes only, lists the appliances most often used with generators.

### 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 generator. For three phase generators, 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 generator in full knowledge of the facts.

### Example

To run a 2400 W drill.

You need a 2900 W generator.

**To calculate the minimum power requirement (MPR):**

Rating of appliance (2400 W) x MPR coefficient (1.2)

**2400 W x 1.2 = 2880 W**

(See table of coefficients opposite).



Appliance	Continuous rating*	MPR coefficient	MPR
Air-conditioner	3000 W	3.5	10500 W
Belt sander	1000 W	1.2	1200 W
Cement mixer	850 W	3.5	2975 W
Circular saw	1100 W	1.2	1320 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	4400 W
Drill	800 W	1.2	960 W
Drill	1300 W	2	2600 W
Fluorescent lamp	500 W	2	1000 W
Freezer	700 W	3.5	2450 W
Hedge trimmer	700 W	2	1400 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	1.2	2160 W
Jointer	2000 W	1.2	2400 W
Mini display cooler	1500 W	3.5	5250 W
Mixer	3500 W	2	7000 W
Plastering machine	4300 W	3.5	15050 W
Router	800 W	1.2	960 W
Saw	2000 W	2	4000 W
Shredder	2600 W	2	5200 W

\* For information only.





PERFORM 3000 TB UK



PERFORM 4500 TB UK



PERFORM 5500 T



PERFORM 3000 GAZ TB UK



PERFORM 4500 GAZ TB UK



PERFORM 6500 GAZ TB UK

#### SINGLE-PHASE GENERATORS

Type		PERFORM 3000 TB UK	PERFORM 4500 TB UK	PERFORM 3000 GAZ TB UK	PERFORM 4500 GAZ TB UK	PERFORM 6500 GAZ TB UK
Max power 230 V	kW ISO 8528	3.00	4.20	2.4	3.9	5.80
	kVA <sup>(1)</sup>	3.75	5.25	3.0	4.9	7.25
Engine	Brand	Kohler®	Kohler®	Kohler®	Kohler®	Kohler®
	Type	CH 270	CH 395	CH 270	CH 395	CH 440
	Oil level shutdown	•	•	•	•	•
	Electric start	X	X	X	X	X
	HP 3.600 rpm	6.0	8.5	6	8.5	11.9
	Run time in hr	3.2	3.5	X	X	X
	Tank in L	4.1	7.3	X	X	X
	EEC Noise level Lwa	96	97	96	97	97
	dB(A) @ 7 m	68	68	68	68	69
	Weight in Kg	43	66.5	44	67.5	97.5
Socket codes <sup>(2)</sup>		P20	P2E	P20	P2E	P2H

X Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 39.

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.

#### THREE-PHASE GENERATORS

Type		PERFORM 5500 T
Max power	3-ph 400 V	kW ISO 8528
		4.50
	1-ph 230 V	kVA <sup>(1)</sup>
Engine		5.65
	Brand	Kohler®
	Type	CH 395
	Oil level shutdown	•
	Electric start	X
	HP 3.600 rpm	8.5
	Run time in hr	2.5
	Tank in L	7.3
	EEC Noise level Lwa	97
	dB(A) @ 7 m	68
	Weight in Kg	77.5
Socket codes <sup>(2)</sup>		P1J

#### SDMO Options

**Options available for this range depending on the model:** trolley kit, RCCB, automatic controller, manual transfer switch, loose cover, maintenance kit, storage box. See pages 34 to 36 for the part numbers for these options.



## SDMO FEATURE



## QUAD CLEAN™ cyclonic filter

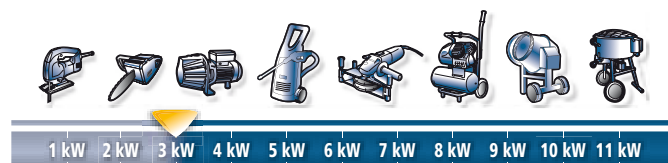
PERFORM generators are fitted with the exclusive Quad Clean™ air filtration system which protects them from the risk of ingesting dust. Cyclonic Quad Clean™ air filters are no heavier and no larger than a standard air filter but provide 4 levels of filtration which effectively filter out large particles 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 TB UK

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

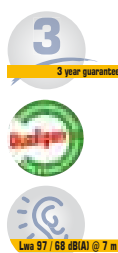
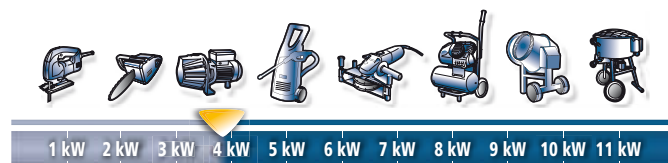
**Application\*:**  
ideal for use with drills and winches.



### PERFORM 4500 GAZ TB UK ▶ NEW

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

**Application\*:**  
ideal for use with jackhammers.



Advantages of dual-fuel unleaded petrol or LPG:

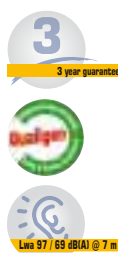
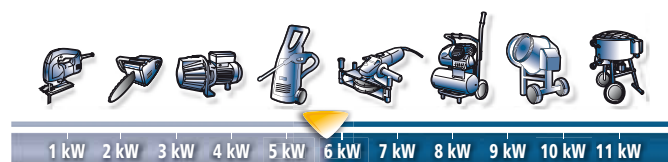
- Economical: upto 65% reduction in running costs using LPG rather than petrol
- Runtime: can be increased by a factor of 6 when running off gas (for a 13 kg gas bottle)
- Environmentally friendly: no smell and lower emissions

SDMO  
FEATURE

### PERFORM 6500 GAZ TB UK ▶ NEW

- 5.8 kW - 7.25 kVA<sup>(1)</sup> - 230 V
- KOHLER® - CH 440 engine
- EEC Noise level Lwa  
97 Lwa / 69 dB(A) @ 7 m

**Application\*:**  
ideal for use with compressors.



\*For information only.



# INTENS

Exceptionally robust



HX 3000 TB UK



HX 4000 TB UK



HX 6000 TB UK

## SINGLE-PHASE GENERATORS

Type		HX 3000 TB UK	HX 4000 TB UK	HX 6000 TB UK
Max power 230 V	kW ISO 8528	3.0	4.0	6.0
	kVA <sup>(1)</sup>	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
	Tank in L	3.1	5.3	6.1
	EEC Noise level Lwa	95	97	97
	dB(A) @ 7 m	67	67	68
	Weight in Kg	41	56	79
Socket codes <sup>(2)</sup>		P20	P2E	P2H

X Not available. • Standard.

(1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 39.



**Options available for this range depending on the model:** trolley kit, RCCB, Quick'lock, manual transfer switch, loose cover, maintenance kit. See pages 34 to 36 for the part numbers for these options.



## SDMO FEATURE



## Top Box

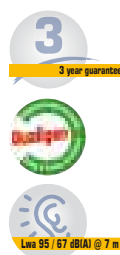
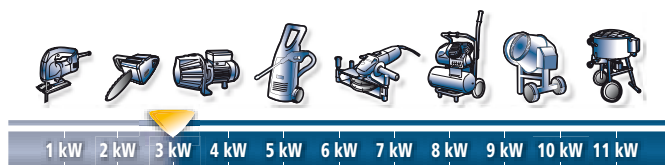
The alternator has a top box with sockets for easy connection of the power cables. This means that more sockets can be fitted (depending on the rating).



### HX 3000 TB UK

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

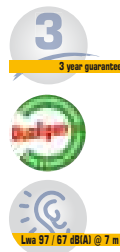
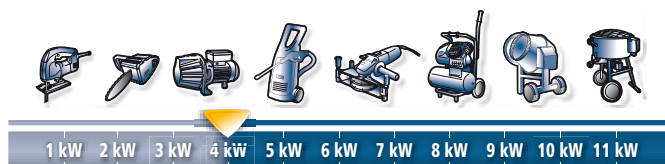
**Application\*:**  
ideal for use with grinders.



### HX 4000 TB UK

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

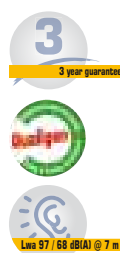
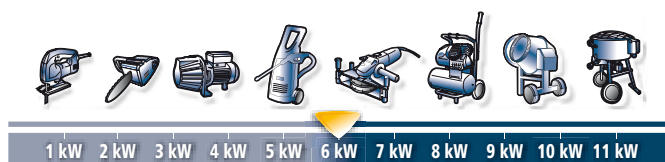
**Application\*:**  
ideal for use with pneumatic drills.



### HX 6000 TB UK

- 6 kW - 6.6 kVA<sup>(1)</sup> - 230 V
- HONDA® - GX 390 engine
- EEC Noise level Lwa  
97 Lwa / 68 dB(A) @ 7 m

**Application\*:**  
ideal for use with welding sets.



## SDMO FEATURE

Oversized alternator for reliable power.

\*For information only.



# TECHNIC

Robust continuous operation in demanding environment



TECHNIC 3000 UK



TECHNIC 4500 AVR UK



TECHNIC 6500 UK



SH 6000 UK  
SH 6000 E UK

## SINGLE-PHASE GENERATORS

Type		TECHNIC 3000 UK	TECHNIC 4500 AVR UK	TECHNIC 6500 UK	SH 6000 UK	SH 6000 E UK
Max power 230 V	kW ISO 8528	3.00	4.20	6.50	6.0	6.0
	kVA <sup>(1)</sup>	3.75	4.95	8.15	6.6	6.6
Engine	Brand	Kohler®	Kohler®	Kohler®	Honda®	Honda®
	Type	CH 270	CH 395	CH 440	GX 390	GX 390
	Oil level shutdown	•	•	•	•	•
	Electric start	X	X	X	X	•
	HP 3.600 rpm	6	8.5	11.9	11	11
	Run time in hr	10	10.6	6.9	8	8
	Tank in L	13	18	18	20	20
	EEC Noise level Lwa	96	97	97	97	97
	dB(A) @ 7 m	67	68	69	68	68
	Weight in Kg	46	73.5	100	81	87
Socket codes <sup>(2)</sup>		P2M	P2N	P2F	P2F	P2F

X Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 39.

### Options

**Options available for this range depending on the model:** trolley kit, RCCB, automatic controller, manual transfer switch, loose cover, maintenance kit. See pages 34 to 36 for the part numbers for these options.



## KOHLER® engines + comprehensive equipment

TECHNIC generators with KOHLER® engines provide exceptional performance: proven robustness, low oil safety cut-off, easy tappet adjustment for low maintenance, etc.

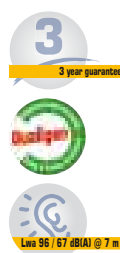
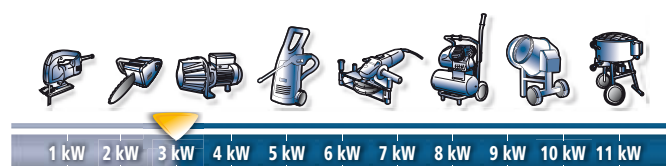
The large fuel tank increases the run-time and the comprehensive connection interface makes the generator easy to use.



### TECHNIC 3000 UK

- 3 kW - 3.75 kVA<sup>(1)</sup> - 230 V
- KOHLER® - CH 270 engine
- EEC Noise level Lwa  
96 Lwa / 67 dB(A) @ 7 m

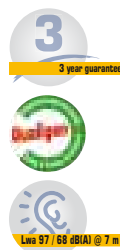
**Application\*:**  
ideal for use with grinders.



### TECHNIC 4500 AVR UK

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

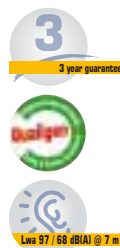
**Application\*:**  
ideal for use with jackhammers.



### SH 6000 E UK

- 6 kW - 6.6 kVA<sup>(1)</sup> - 230 V
- HONDA® - GX 390 engine
- EEC Noise level Lwa  
97 Lwa / 68 dB(A) @ 7 m

**Application\*:**  
ideal for use with high pressure cleaners.



\*For information only.



# PRESTIGE

Silent efficiency



ALIZÉ 3000 UK



ALIZÉ 6000 E UK



INVERTER PRO 2000 UK



INVERTER PRO 3000 E UK

## SINGLE-PHASE GENERATORS

Type		ALIZÉ 3000 UK	ALIZÉ 6000 E UK	INVERTER PRO 2000 UK	INVERTER PRO 3000 E UK
Max power 230 V	kW ISO 8528	2.8	5.60	2.0	3.0
	kVA <sup>(1)</sup>	3.5	6.05	2.0	3.0
Engine	Brand	Honda®	Honda®	Yamaha®	Yamaha®
	Type	GX 200	GX 390	MZ79	MZ171
	Oil level shutdown	•	•	•	•
	Electric start	X	•	X	•
	HP 3.600 rpm	5.5	11	NC	NC
	Run time in hr	9.2	9.6	4.2	8.1
	Tank in L	12	24	4.2	13
	EEC Noise level Lwa	94	94	88	88
	dB(A) @ 7 m	65	65	59	59
	Weight in Kg	46	130	21	68
Socket codes <sup>(2)</sup>		P2B	P2G	P2R	P2P

X Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 39.

## Options

**Options available for this range depending on the model:** trolley kit, RCCB, automatic controller, manual transfer switch, loose cover. See pages 34 to 36 for the part numbers for these options.



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



## Inverter technology

Total safety for exacting electronic equipment, inverter technology provides high quality power with stable voltage and frequency for your generator at  $\pm 1\%$  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 UK ▶ NEW

- 2 kW - 2 kVA<sup>(1)</sup> - 230 V
- YAMAHA® - MZ79 engine
- EEC Noise level Lwa  
88 Lwa / 59 dB(A) @ 7 m
- EEC Noise level in ECO mode and support to 25%: 48.5 dB(A) @ 7 m

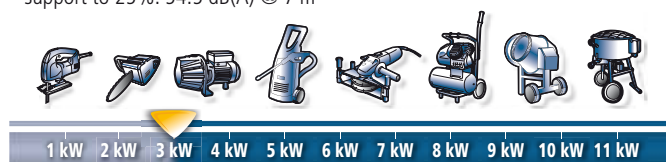
**Application\*:**  
ideal for leisure/DIY applications.  
Ideal generator for caravan/campers.



### INVERTER PRO 3000 E UK ▶ NEW

- 3 kW - 3 kVA<sup>(1)</sup> - 230 V
- YAMAHA® - MZ171 engine
- EEC Noise level Lwa  
88 Lwa / 59 dB(A) @ 7 m
- EEC Noise level in ECO mode and support to 25%: 54.5 dB(A) @ 7 m

**Application\*:**  
ideal for leisure/DIY/Specialist applications. Ideal generator for caravan/campers.



### ALIZÉ 6000 E UK

- 5.6 kW - 6.05 kVA<sup>(1)</sup> - 230 V
- HONDA® - GX 390 engine
- EEC Noise level Lwa  
94 Lwa / 65 dB(A) @ 7 m

**Application\*:**  
ideal for heavy duty applications and for catering businesses.



\*For information only.



XP-S6HM-STORM



XP-T8HKM-ALIZÉ UK



XP-T9KM-ALIZÉ UK



XP-T12K-ALIZÉ UK

#### SINGLE-PHASE GENERATORS

Type		XP-S6HM-STORM	XP-T8HKM-ALIZÉ UK <sup>(4)</sup>	XP-T9KM-ALIZÉ UK <sup>(4)</sup>
Max power 230 V	kW ISO 8528	5.6	7.50	8.60
	kVA <sup>(1)</sup>	7.0	9.35	10.75
Engine	Brand	Kohler® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel
	Type	KDW 502	L2E-SDH	S3L2-SD
	Oil level shutdown	•	•	•
	Electric start	•	•	•
	Run time in hr	15.4	19.2	20
	Tank in L	30	50	50
	EEC Noise level Lwa	93	94	86
	dB(A) @ 7 m	64	65	57
	Weight in Kg	231	340	544
Socket codes <sup>(2)</sup>		X	P2D	P2D

#### THREE-PHASE GENERATORS

Type			XP-T12K-ALIZÉ UK <sup>(4)</sup>
Max power	3-ph 400 V	kW ISO 8528	9.2
		kVA <sup>(1)</sup>	11.5
Engine	Brand	Mitsubishi® Diesel	
	Type	S3L2-SD	
	Oil level shutdown	•	
	Electric start	•	
	Run time in hr	20	
	Tank in L	50	
	EEC Noise level Lwa	86	
	dB(A) @ 7 m	57	
	Weight in Kg	535	
Socket codes <sup>(2)</sup>			P2C

X Not available. • Standard. (1) Theoretical value calculated for comparison purposes. (2) See table of sockets on page 39. (4) MICS NEXYS.

M = single-phase (ex = XP-T9KM-ALIZÉ) H = 3,000 rpm (ex = XP-T15HK-ALIZÉ)



#### 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.



**Options available for this range depending on the model:** trailer, sockets for XP-S6HM-STORM, automatic controller, remote control panel, manual transfer switch, maintenance kit. See 34 to 36 for the part numbers for these options.



## SDMO FEATURE



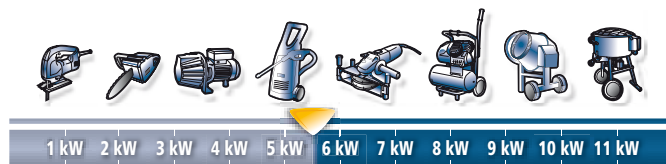
## The NEXYS control unit, the last word in controllers

LCD screen, electrical and mechanical parameters displayed, ergonomical design, polycarbonate front panel. The NEXYS control unit is ultra reliable and easy to use and is available on all INDUSTRIAL generators.



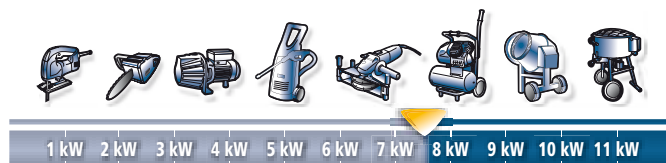
### XP-S6HM-STORM ▶ NEW

- 5.6 kW - 7 kVA<sup>(1)</sup> - 230 V
- KOHLER® DIESEL - KDW 502 engine
- EEC Noise level Lwa  
93 Lwa / 64 dB(A) @ 7 m



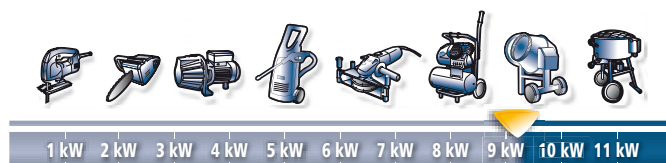
### XP-T8HKM-ALIZÉ UK

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



### XP-T12K-ALIZÉ UK

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



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



**SDMO  
FEATURE**

Socket pack - (optional  
supplied separately - Ref RPPUK) with :  
1 230V 32A socket and 1 230V 16A socket  
+ circuit breaker - 1 115V 32A socket and  
1 115V 16A socket + circuit breaker.



\*For information only.



# DIESEL

Durable with an extended continuous run time

## SINGLE-PHASE GENERATOR

Type	DIESEL 6000 E SILENCE UK	
Max power 230 V	kW ISO 8528	5.2
	kVA <sup>(1)</sup>	6.5
Engine	Brand	Kohler® Diesel
	Type	KD 440
	Oil level shutdown	•
	Electric start	•
	HP 3.600 rpm	9.8
	Run time in hr	22.5
	Tank in L	27
	EEC Noise level Lwa	88
	dB(A) @ 7 m	59
	Weight in Kg	198
Socket codes <sup>(2)</sup>		P2Q

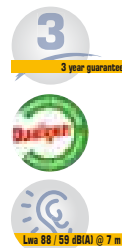
## THREE-PHASE GENERATORS

Type			DIESEL 6500 TE SILENCE
Max power	3-ph 400 V	kW ISO 8528	5.2
		kVA <sup>(1)</sup>	6.5
	1-ph 230 V	kW ISO 8528	2.3
Engine	Brand		Kohler® Diesel
	Type		KD 440
	Oil level shutdown		•
	Electric start		•
	HP 3.600 rpm		9.8
	Run time in hr		22.5
	Tank in L		27
	EEC Noise level Lwa		88
	dB(A) @ 7 m		59
	Weight in Kg		215.5
Socket codes <sup>(2)</sup>			P1ZE

• Standard. (1) Theoretical value calculated for comparison purposes.  
(2) See table of sockets on page 39.



New design: compact, very quiet.



SDMO  
FEATURE

## DIESEL 6000 E SILENCE UK NEW

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

**Application\*:**  
ideal for use with compressors.



1 kW 2 kW 3 kW 4 kW 5 kW 6 kW 7 kW 8 kW 9 kW 10 kW 11 kW



DIESEL 6500 TE SILENCE

SDMO  
Options

**Options available for this range depending on the model:** trolley kit, manual transfer switch. See pages 34 to 36 for the part numbers for these options.





# SPECIAL PRODUCT

For special applications

## MULTI-PHASE GENERATOR

Type		T16K <sup>(4)</sup>
Max power	kW ISO 8528	12
	kVA <sup>(1)</sup>	13
Engine	Brand	Mitsubishi®
	Type	S4L2-SD
	Oil level shutdown	•
	Electric start	•
	Run time in hr	14.7
	Tank in L	50
	EEC Noise level Lwa	87
	dB(A) @ 1 m	71
	Weight in Kg	575

• Standard.

(1) Theoretical value calculated for comparison purposes.

(4) MICS NEXYS



## T16K

- 12 PRP kW - 400 V
- MITSUBISHI® DIESEL S4L2-SD engine
- EEC Noise level Lwa  
87 Lwa / 71 dB(A) @ 1 m



### Application\*:

Ideal site generator offering multi-phase output 400 V, 230 V and 110 V.



1 kW 2 kW 3 kW 4 kW 5 kW 6 kW 7 kW 8 kW 9 kW 10 kW 11 kW

# 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 generating sets for the supply of electricity.

# WELDING SET



## 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.

## 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 high strength welds. 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 generators and the choice of model for this function is subject to the same criteria as the other electricity generators in the Portable Power range.

# WELDARC

The welding solution for worksites without electricity

### WELDARC INTENS WELDING SETS

Type	VX 200/4H UK	
Engine	Brand	Honda®
	Type	GX 390
	Run time in hr	2.4
Auxiliary sources	230 V kW ISO 8528	4.0
	400 V kVA <sup>(1)</sup>	X
Welding rate	60% (intensive)	170 A
	35% (normal)	200 A
Rods	Min/max Ø in mm	1.6-4
EEC Noise level Lwa	EEC	97
	dB(A) @ 7 m	68
	Weight in Kg	87
Socket codes <sup>(2)</sup>	P2C	

X Not available.

(1) Theoretical value calculated for comparison purposes.

(2) See table of sockets on page 39.



**Options available for this product:** trolley kit, RCCB, maintenance kit, loose cover, welding kit. See pages 34 to 36 for the part numbers for these options.



### VX 200/4H UK

- Welding rate:  
Intensive (60%): 170 Amp.  
Normal (35%): 200 Amp
- HONDA® - GX 390 engine
- Min./Max Ø rod 1.6/4 mm
- Auxiliary output: 4 kW - 230 V (with circuit breaker)
- EEC Noise level Lwa  
97 Lwa / 68 dB(A) @ 7 m





# 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 body of the pump must be filled with liquid before the pump is started.

# WATER PUMPS

## 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:

### ► The suction height

#### ● 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 is recommended for applications such as horticulture, pumping out swimming pools, etc.
- The TR model is specially designed for pumping out muddy trenches, excavations, sediment, etc.

#### ● Special fluids, chemicals, corrosive fluids, etc

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

- The HP 2.26 H is designed for 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 processing salt water.
- The XT 3.78 H and TRASH 4 are designed for extreme, intensive use and can handle solid particles up to 20 - 30 mm.

### ► The flow and pressure required 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 shaft of the pump. The laws of gravity dictate that this cannot exceed 8m.

### ► The discharge height

This is the difference in height between the shaft 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 around 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.

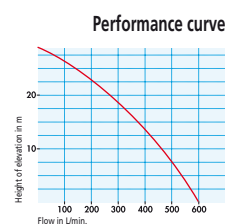
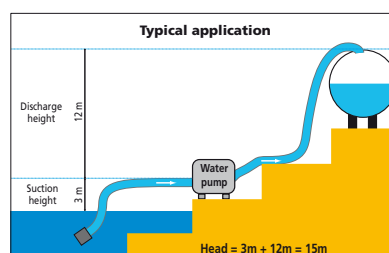
### TECHNICAL CHARACTERISTICS

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 \* PolyEthylene Terephthalate

**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

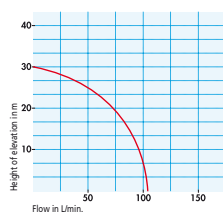


# AQUALINE™ INTENS

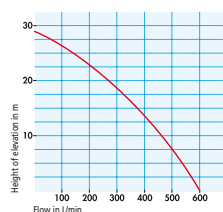
Designed for water with low solid content



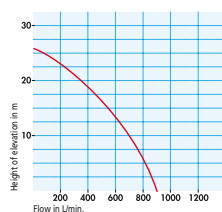
**CLEAR 1**



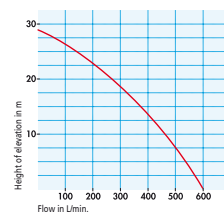
**ST 2.36 H**



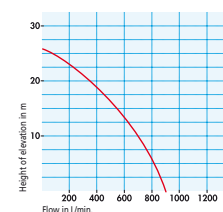
**ST 3.60 H**



**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
	EEC Noise level Lwa	105	103	105	103	105
	dB(A) @ 7 m	75	72	75	72	76
	Weight in Kg	4.9	23	29	23	29



**Options available for this range depending on the model:** loose cover, hose kit, quick release connectors. See page 37 for the part numbers for these options.



## 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.



Automatic Priming



Graphite cast iron impeller



Carbon / ceramic mechanical seal



### 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.



Automatic Priming



Graphite cast iron impeller



Carbon / ceramic mechanical seal

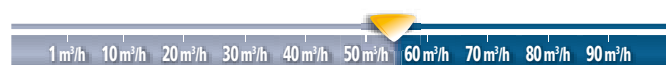


### TR 3.60 H

- 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.



Automatic Priming



Graphite cast iron impeller



Silicon carbide mechanical seal



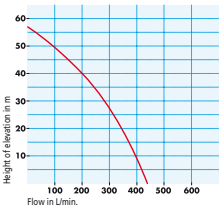


# AQUALINE™ SPECIALIST

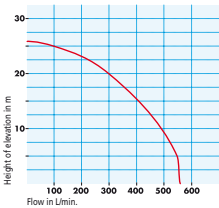
High performance under extreme conditions



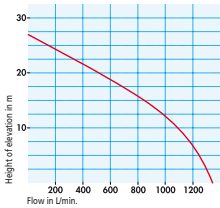
**HP 2.26 H**



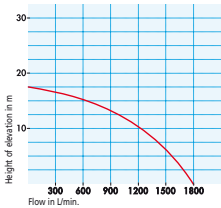
**XC 2.34 H**



**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 m³/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
	EEC Noise level Lwa	108	106	110	108
	dB(A) @ 7 m	77	73	80	78
	Weight in Kg	30	22	58	90



**Options available for this range depending on the model:** loose cover, hose kit, quick release connectors. See page 37 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 (p. 39), 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.



Automatic Priming



Graphite cast iron impeller



Carbon / ceramic mechanical seal



#### 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.



Automatic Priming



Carbon / ceramic mechanical seal



#### SDMO FEATURE

Pump body has stainless steel fixings.

#### TRASH 4

- Flow: 108 m³/hr
- Height of elevation: 17 m
- KOHLER DIESEL® - KD 350 engine
- Maximal pressure: 1.7 bar

##### Application\*:

ideal for intensive pumping out muddy trenches on worksites.



Automatic Priming



Graphite cast iron impeller



Silicon carbide mechanical seal



KOHLER DIESEL

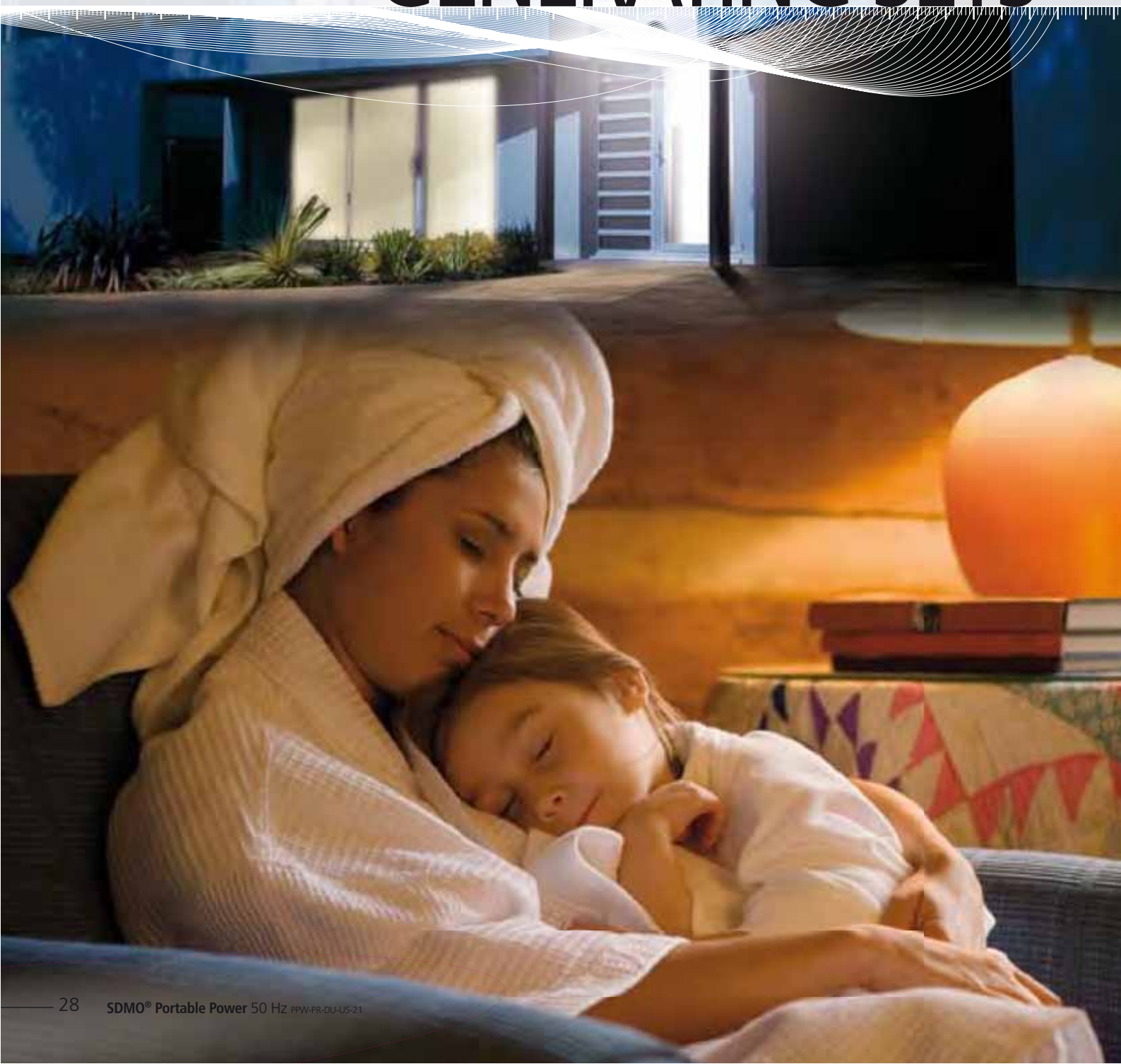


\* Given for information only.



*Energy Solutions Provider*

# RESIDENTIAL GENERATING SETS





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

The generators 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

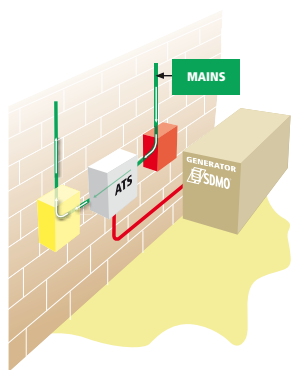
Generating sets in the residential power range are compact and sound insulated for home use. They can be installed permanently outdoors and start up automatically if there is a power cut, whether you are there or not. They can be used:

- 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.

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

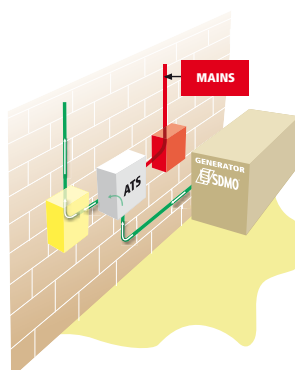
### ► Operating principle:

- 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 generator 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 generator 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 generator. The consumer unit is then supplied from the generator which provides electricity to the home.

\* ATS: Automatic Transfer Switch.

## 2 Working out how much power you need

To determine which generator 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 generator 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® generators must not be required to supply all the appliances simultaneously. Contact an SDMO® technician to determine the exact rating you require. Residential Power generators 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 GENERATORS

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 kW	14 kVA*
Engine	Brand	Kohler®		Kohler®	
	Type	CH 740		CH 980	
	Electric starter**	•		•	
Consumption (75%) <sup>(1)</sup>	Natural gas	4.2 m³/hr		4.7 m³/hr	
	LPG <sup>(2)</sup>	3.6 kg/hr		4.2 kg/hr	
	dB(A)@7m <sup>(3)</sup>	65		66	

## THREE PHASE GENERATORS

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%) <sup>(1)</sup>	Natural gas	4.2 m³/hr		4.7 m³/hr	
	LPG <sup>(2)</sup>	3.6 kg/hr		4.2 kg/hr	
	dB(A)@7m <sup>(3)</sup>	62		65	

• Standard. \* Cosφ0.8 \*\* Requires optional battery (1) For information only, the operating pressure for this generator 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 m³ (3) At 75 % load.

### SDMO Options

**Options available for this range:** automatic transfer switch, maintenance kit, RCCB, standard battery. See page 36 for the part numbers of these options.



## 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).



### 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

**SDMO**  
**FEATURE**

Can run off liquid propane or natural gas.



### 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



### RES 18 EC

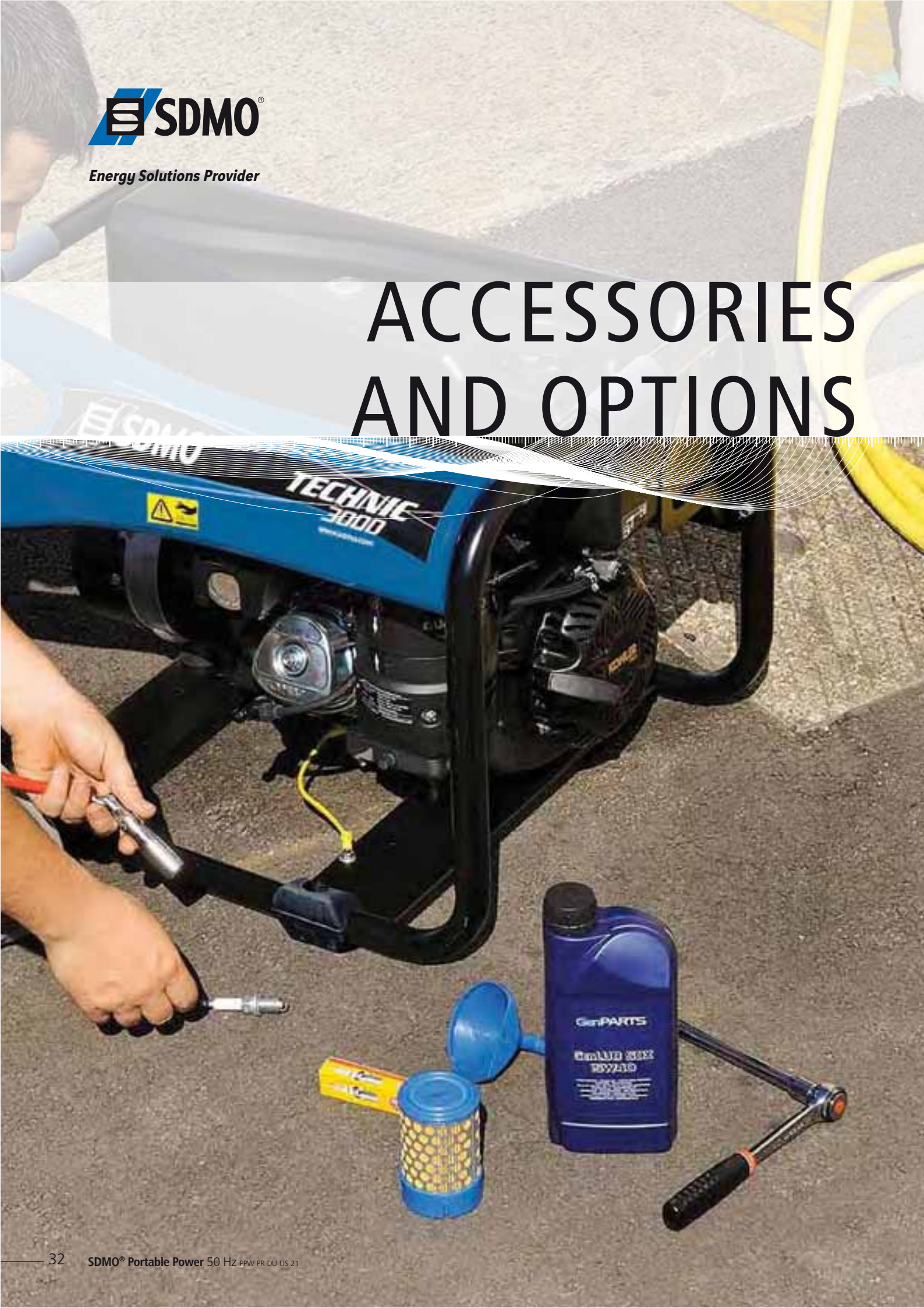
- Natural gas: 14 kW - 14 kVA\*  
GPL : 14 kW - 14 kVA\*
- KOHLER® - CH 980 engine
- EEC Noise level Lwa: 66 dB(A) @ 7m





Energy Solutions Provider

# ACCESSORIES AND OPTIONS



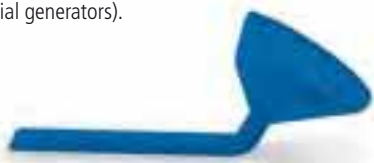


# Accessories and options for portable generators, welding sets and residential generators

## Accessories supplied as standard

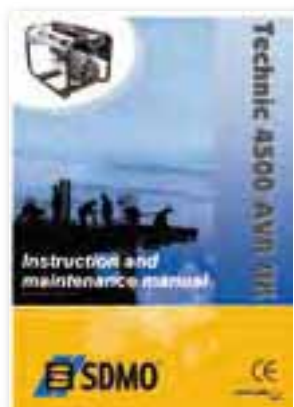
### For commissioning

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



### 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 UK.



### For storage

Storage box for the storage of tools.



### For safety

RCCB on all generators 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 m<sup>2</sup> of which 1200 m<sup>2</sup> 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 generators, welding sets and residential generators (cont)

## Ex works options only

■ For generators ■ For welding sets

### Automatic transfer panels

#### ■ 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 generator. When the generator 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 generator. The RCCB option is required for EU countries.



Ref. R05A



Ref. Verso M\*



Ref. Verso T\*

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

\*\* The MODYS control panel is not fitted if the R05A automatic control unit is selected.

### Road trailers

#### ■ Ref. 530043

Road trailer for XP-T8HKM-ALIZE UK.

Ask for details.

#### ■ Ref. 530050

Road trailer for XP-T9KM-ALIZE UK and XP-T12K-ALIZE UK.

Ask for details.



Ref. R30043

### Remote control panel

#### ■ Ref. CM308

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



### Central lifting hoop

#### ■ Ref. RLIFT1

For PERFORM 3000 TB UK and TECHNIC 3000 UK.

#### ■ Ref. RLIFT2

For PERFORM 4500 TB UK, PERFORM 4500 GAZ TB UK, PERFORM 6500 GAZ TB UK, TECHNIC 4500 AVR UK and TECHNIC 6500 UK.



### Sockets

#### ■ Ref. RPPUK

Socket pack with 1 230V 32A socket and 1 230V 16A socket + circuit breaker - 1 115V 32A socket and 1 115V 16A socket + circuit breaker. For XP-S6HM-STORM only.

### Additive for unleaded petrol

#### ■ Ref. RSTAB

Additive for generators, welding sets and pumps running on unleaded petrol. This additive maintains the efficiency of the petrol, prevents corrosion and cleans the engine.



# Accessories and options for portable generators, welding sets and residential generators (cont)

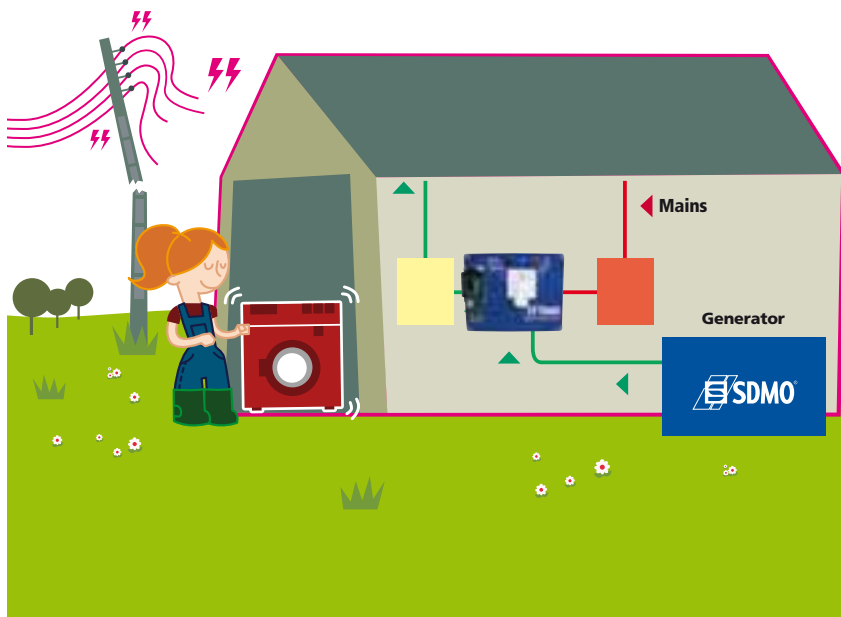
## Options supplied separately

■ For generators ■ For welding sets

### Manual transfer switch

#### ■ Ref. MTS

This enables you to connect a generator to a dwelling and manually control, in total safety the source of current in the event of insufficient power or mains supply return. In the "mains" position, the dwelling is powered normally from the mains supply. In the event of a power cut, you simply start the generator so that it supplies power to the house wiring and turn the switch to the backup power position.



### Cover

#### ■ ■ Ref. RHO/RH1/RH2

Loose cover for storing and protecting generators and welding set during the winter.



### Bottles of oil

#### ■ ■ Ref. RBH0,5/RBH1

Oil available in 0.5L and 1L bottles (SAE 15W40)



### Storage box

#### ■ Ref. RBAC

Optional removable storage tray for certain generators in the PERFORM and DIESEL ranges.



### Set of male plug

#### ■ ■ Ref. R50

16A blue 230V male plug.



#### ■ ■ Ref. R52

32A blue 230V male plug.



#### ■ ■ Ref. R51

16A yellow 115V male plug.



#### ■ ■ Ref. R53

32A yellow 115V male plug.



### Wireless remote

#### ■ Ref. RSTART

Wireless remote for starting or stopping the generator 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 generators to give a total rating of 3 kW. For INVERTER PRO 2000 only.



# Accessories and options for portable generators, welding sets and residential generators (cont)

## Options supplied separately

■ For generators ■ For welding sets

### Earth spike

#### ■ ■ Ref. RPQ

For earthing your generator. A 1 m long galvanised spike, supplied with 2m of 10mm<sup>2</sup> thick cable.



### Trolley kits

#### ■ ■ Ref. R06

Trolley kit for 2 and 3 kW generators. 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 generators and welding sets.



#### ■ ■ Ref. RKB1

Trolley kit with 2 handles and 2 wheels with solid tyres (Ø 260 mm). For generators and welding sets up to 6 kW.



#### ■ ■ Ref. RKB2

Trolley kit with 4 handles and 2 wheels with inflatable tyres (Ø 360 mm) for generators over 6 kW and welding sets.



#### ■ ■ Ref. RKB3

Trolley kit with 1 handle and 2 solid tyres (Ø 300 mm) for DIESEL 6000 E SILENCE UK.



#### ■ ■ Ref. RKB4

Trolley kit with 1 handle and 2 solid tyres for XP-S6HM-STORM.

### 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 (pack of 10).

#### ■ ■ Ref. R19\*

Maintenance kit for HONDA® GX 270 et GX 390 engines (pack of 10).

#### ■ ■ Ref. RKS1\*

Maintenance kit for KOHLER® CH 270 engine (pack of 10).

#### ■ ■ Ref. RKS2\*

Maintenance kit for KOHLER® CH 395 and CH 440 engines (pack of 10).

### Adaptators

#### ■ ■ Ref. 55

16A/13A adaptor economy.



#### ■ ■ Ref. 56

16A/13A double adaptor.



### Options for residential generators

#### 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.

# 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

10 maintenance kits for HONDA® GX 160 and GX 200 engines.

#### Ref. R19

10 maintenance kits 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 1 handle and 2 solid tyres (Ø 260 mm) to make it easier to move the pump.



### 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

Oil available in 0.5L and 1L bottles (SAE15W40).



### Quick release connectors

#### Ref. R13/R14

Quick release connections kit for 2" and 3" water pumps\*.

\*Supplied as standard with the 4" pumps.



### Hose kit

#### Ref. R16

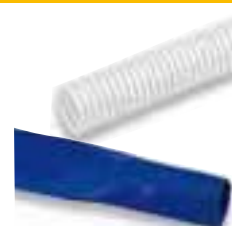
For 1" water pump with 5m intake hose + 10m output hose.

#### 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.





# Technical characteristics - Generating sets

## SINGLE-PHASE GENERATORS

Range	50 Hz				Engine							Alternator		Dimensions W x D x H in cm	Weight in Kg	Options <sup>(3)</sup>												Socket codes <sup>(4)</sup>	
	Type	Qualigen	Max power 230 V		Brand	Type	Oil level shutdown	Electric start	HP 3.600 rpm	Run time in hr	Tank in L	230V Circuit breaker	EEC Noise level Lwa dB(A) @ 7 m			Trolley kit trailer	RCCB	Quick'lock	Automatic transfer switch	Remote control panel	Control unit		Manual transfer switch	Adapter	Cover	Maintenance kit	Storage box		
			kW ISO 8528	kVA <sup>(1)</sup>																	Nexys (N)	Modys (M)							
PERFORM	PERFORM 3000 TB UK	Yes	3.0	3.75	Kohler®	CH 270	•	X	6.0	3.2	4.1	•	96	68	65 x 51 x 46	43	RKB1	X	X	X	X	X	X	MTS	R54-R55-R56	RHO	RKS1	RBAC	P2O
	PERFORM 4500 TB UK	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	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	RKS2	RBAC	P2E
	PERFORM 3000 GAZ TB UK	Yes	2.4	3.00	Kohler®	CH 270	•	X	6.0	X	X	•	96	68	65 x 51 x 46	44	RKB1	X	X	X	X	X	X	MTS	R54-R55-R56	RHO	RKS1	RBAC	P2O
	PERFORM 4500 GAZ TB UK	Yes	3.9	4.90	Kohler®	CH 395	•	X	8.5	X	X	•	97	68	81 x 55.5 x 59	67.5	RKB1	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	RKS2	RBAC	P2E
	PERFORM 6500 GAZ TB UK	Yes	5.8	7.25	Kohler®	CH 440	•	X	11.9	X	X	•	97	69	81 x 55.5 x 59	97.5	RKB1	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	RKS2	RBAC	P2H
INTENS	HX 3000 TB UK	Yes	3.0	3.75	Honda®	GX 200	•	X	5.5	2.4	3.1	•	95	67	59 x 46 x 43	41	R06	X	R15	X	X	X	X	MTS	R54-R55-R56	RHO	R18	X	P2O
	HX 4000 TB UK	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	X	R25	X	X	X	X	MTS	R54-R55-R56	RH1	R19	X	P2E
	HX 6000 TB UK	Yes	6.0	6.60	Honda®	GX 390	•	X	11.0	2.4	6.1	•	97	68	77 x 57 x 59	79	R07	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	R19	X	P2H
TECHNIC	TECHNIC 3000 UK	Yes	3.0	3.75	Kohler®	CH 270	•	X	6.0	10.0	13.0	•	96	67	65 x 51 x 46	46	RKB1	X	X	X	X	X	X	MTS	R54-R55-R56	RHO	RKS1	X	P2M
	TECHNIC 4500 AVR UK	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	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	RKS2	X	P2N
	TECHNIC 6500 UK	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	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	RKS2	X	P2F
	SH 6000 UK	Yes	6.0	6.6	Honda®	GX 390	•	X	11	8	20	•	97	68	77 x 57 x 59	81	R07	X	X	X	X	X	X	MTS	R54-R55-R56	RH1	R19	X	P2F
	SH 6000 E UK	Yes	6.0	6.6	Honda®	GX 390	•	•	11	8	20	•	97	68	77 x 57 x 59	87	R07	X	X	R05A	X	X	X	MTS	R54-R55-R56	RH1	R19	X	P2F
PRESTIGE	INVERTER PRO 2000 UK	Yes	2.0	2.00	Yamaha®	MZ79	•	X	NC	4.2	4.2	•	88	59	49 x 28 x 44.5	21	X	X	X	X	X	X	X	MTS	X	X	X	X	P2R
	INVERTER PRO 3000 E UK	Yes	3.0	3.00	Yamaha®	MZ171	•	•	NC	8.1	13.0	•	88	59	68 x 44.5 x 55.5	68	•	X	X	X	X	X	X	MTS	X	X	X	X	P2P
	ALIZÉ 3000 UK	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	X	X	X	X	X	MTS	R54-R55-R56	RHO	X	X	P2B
	ALIZÉ 6000 E UK	Yes	5.6	6.05	Honda®	GX 390	•	•	11.0	9.6	24.0	•	94	65	78 x 59 x 75.5	130	•*	X	X	R05A	X	X	X	MTS	R54-R55-R56	X	X	X	P2G
INDUSTRIAL	XP-56HM-STORM	Yes	5.6	7.00	Kohler® Diesel	KDW 502	•	•	X	15.4	30.0	•	93	64	114 x 68 x 78.5	231	RKB4	•	X	VERSO M	X	X	•	MTS	X	X	X	X	X
	XP-T8HKM-ALIZÉ® UK	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	MTS	X	X	RMS	X	P2D
	XP-T9KM-ALIZÉ® UK	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	MTS	X	X	RMS	X	P2D
DIESEL	DIESEL 6000 E SILENCE UK	Yes	5.2	6.50	Kohler® Diesel	KD 440	•	•	9.8	22.5	27.0	•	88	59	99 x 61.5 x 96	198	RKB3	X	X	X	X	X	•	MTS	R54-R55-R56	X	X	X	P2Q

## THREE-PHASE GENERATOR

Range	50 Hz					Engine							Alternator		EEC Noise level Lwa	dB(A) @ 7 m	Dimensions W x D x H in cm	Weight in Kg	Options <sup>(3)</sup>							Socket codes <sup>(4)</sup>
	Type	Qualigen	Max power 230 V			Brand	Type	Oil level shutdown	Electric start	HP 3.600 rpm	Run time in hr	Tank in L	230 V Circuit breaker	400 V Circuit breaker					Trolley kit trailer	RCCB	Automatic transfer switch	Remote control panel	Control unit		Maintenance kit	
			3-ph 400 V	1-ph 230 V	Nexys (N)																		Modys (M)			
			kW ISO 8528	kVA <sup>(1)</sup>																				kW ISO 8528		
PERFORM	PERFORM 5500 T	Yes	4.50	5.65	2.3	Kohler®	CH 395	•	X	8.5	2.5	7.3	•	•	97	68	81 x 55.5 x 59	77.5	RKB1	R03	X	X	X	X	RKS2	P1J
INDUSTRIAL	XP-T12K-ALIZÉ® UK	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	530050	•	VERSOT	CM308	•	X	RMS	P2C
DIESEL	DIESEL 6500 TE SILENCE	Yes	5.2	6.5	2.3	Kohler® Diesel	KD 440	•	•	9.8	22.5	27	•	•	88	59	99 x 61.5 x 96	215.5	RKB3	R03B	X	X	X	•	X	P1ZE

## MULTI-PHASE GENERATOR

Range	Type	Power		Engine manufacturer	Engine model	Alternator manufacturer	Alternator model	Run time in hr	Fuel capacity in L	EEC Noise level Lwa	dB(A) @ 1 m	Dimensions W x D x H in cm	Weight in Kg	Standart equipment		Optional equipment	
		PRP kW	ESP kW														
SPECIAL PRODUCT	T16K	12	13	Mitsubishi®	S4L2-SD	MECC ALTE	EC03-3LN	14.7	50	87	71	175 x 72 x 123	575	Multiphase socket panel	NEXYS <sup>(4)</sup> control panel	Heavy duty air filter	Braked trailer

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

(1) Theoretical value calculated for comparison purposes. (2) See table of sockets opposite. (3) See options, pages 34 to 36.  
(4) MICS NEXYS: Displays following parameters: frequency, battery voltage, timing, hours counter and generator speed.

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

## WELDING SETS

Range	Type	Qualigen	Engine					Auxiliary sources		Welding rate		Adjustments		Rods		Nominal	EEC Noise level Lwa	dB (A) @ 7m	Dimensions W x D x H in cm	Weight in Kg	Options <sup>(3)</sup>								Socket codes <sup>(5)</sup>		
			Brand	Type	Run time in hr	Tank in L	Oil level shutdown	kW ISO 6528	230 V kVA <sup>(1)</sup>	400 V kVA <sup>(1)</sup>	60% (intensive)	35% (normal)	Min/max amperage	Current	Min/max Ø in mm						All types	Max. Starting current	Trolley kit trailer	Factory fitted	RCCB	Removable	Maintenance kit	Storage box		Loose cover	Welding kit
WELLDARC INTENS	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	P2C	

## WATER PUMPS

Range	Type	Pump								Engine						EEC Noise level Lwa	dB(A) @ 7 m	Dimensions W x D x H in cm	Weight in Kg	Accessories				Options <sup>(3)</sup>				
		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	Tank in L	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 GENERATORS

Range	Type	50 Hz				Engine										dB(A) @ 7 m	Dimensions W x D x H in cm	Weight in Kg	Standard equipment		Options <sup>(3)</sup>					
		Natural gas		LPG		Brand	Type	Electric starter*	Displacement (L)	Stroke and bore in mm	Speed rpm	Electronic control	Consumption (75%)		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 ka/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
P2A	1 230V 13A socket - circuit breaker
P2B	1 115V 16A socket - circuit breaker + 1 230V 16A socket - circuit breaker
P2C	1 115V 16A socket - circuit breaker + 1 230V 16A socket - circuit breaker + 1 400V 16A socket - circuit breaker + MICS NEXYS <sup>(4)</sup>
P2D	1 115V 16A socket - circuit breaker + 1 230V 16A socket - circuit breaker + 1 230V 32A socket - circuit breaker + MICS NEXYS <sup>(4)</sup>
P2E	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 1 230V 16A socket - circuit breaker
P2F	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 1 230V 16A socket - circuit breaker + 1 230V 32A socket - circuit breaker
P2G	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 1 230V 16A socket - circuit breaker + 1 230V 32A socket - circuit breaker + hours counter + indicator light
P2H	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 2 230V 16A sockets - circuit breaker
P2I	2 230V 13A sockets - circuit breaker
P2J	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 1 230V 16A socket - circuit breaker + 1 230V 32A socket - circuit breaker + emergency stop button + hours counter + indicator light + MICS MODYS <sup>(5)</sup>
P2K	2 230V 13A sockets - circuit breaker + 1 12V 5A socket - circuit breaker
P2L	2 230V 13A sockets - circuit breaker + 1 12V 5A socket - circuit breaker + indicator light + hours counter
P2M	1 115V 16A socket - circuit breaker + 1 230V 16A socket - circuit breaker + hours counter
P2N	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 1 230V 16A socket - circuit breaker + hours counter
P2O	2 115V 16A sockets - circuit breaker + 1 230V 16A socket - circuit breaker
P2P	2 230V 16A sockets - circuit breaker + 1 12V 10A socket - circuit breaker + indicator light
P2Q	1 115V 16A socket - circuit breaker + 1 115V 32A socket - circuit breaker + 1 230V 16A socket - circuit breaker + 1 230V 32A socket - circuit breaker + hours counter + indicator light + MICS MODYS <sup>(5)</sup>
P2R	1 230V 13A sockets - circuit breaker + 1 12V 10A socket - circuit breaker + indicator light
P1J	1 230V 10/16A socket - circuit breaker + 1 400V 16A socket - circuit breaker
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 <sup>(5)</sup>

X Not available. • Standard. △ Available.

(1) Theoretical value calculated for comparison purposes. (2) See table of sockets above. (3) See options, pages 34 to 36. (4) MICS NEXYS: Displays following parameters: frequency, battery voltage, timing, hours counter and generator speed. (5) MICS MODYS: Displays following parameters: overspeed, non-starting, oil pressure, battery and temperature.

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