

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-US-22



*Energy Solutions Provider*



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## Leading French manufacturer of gensets and the 3<sup>rd</sup> largest worldwide

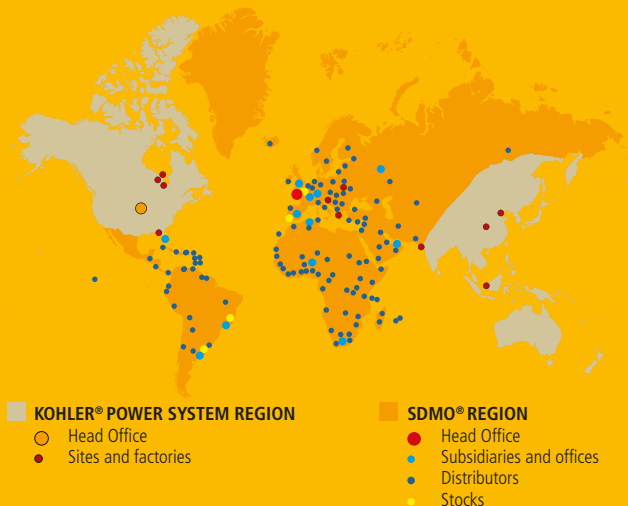
All over the world, from offshore drilling platforms to extreme desert conditions, from worksites to the most demanding industries, the reliability and performance of its gensets has made SDMO® one of the world's top manufacturers.

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, 5 agencies (South Africa, Algeria, Dubai, Egypt, Russia), 5 storage centres, 7 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 Do Brasil in Brazil,
- SDMO Lagos in Nigeria,
- SDMO Generating Sets in the USA,
- 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 genset to be dispatched to anywhere in the world within a very short timeframe.



### Rental Power

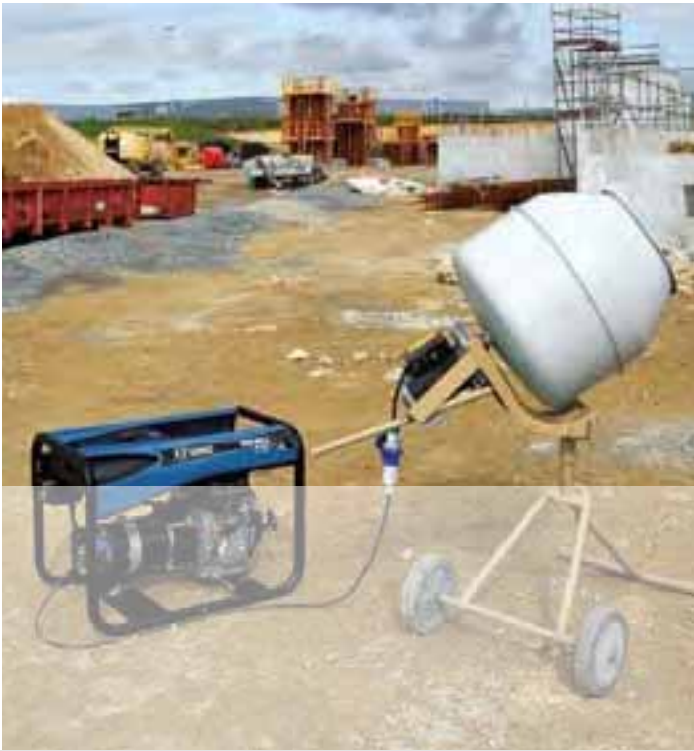
Versatility, sturdiness and silence, all essential criteria for a range suited to the rental market and whose level of performance responds to usage conditions that are both specific and intensive.



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

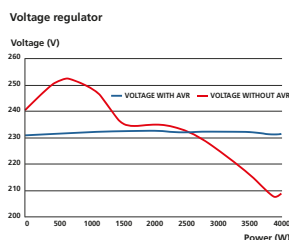
#### ▶ Oversized alternator

The oversized alternator is ideal for supplying electronic equipment and provides a more reliable supply from HX 6080 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

\* 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 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

# 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.

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.



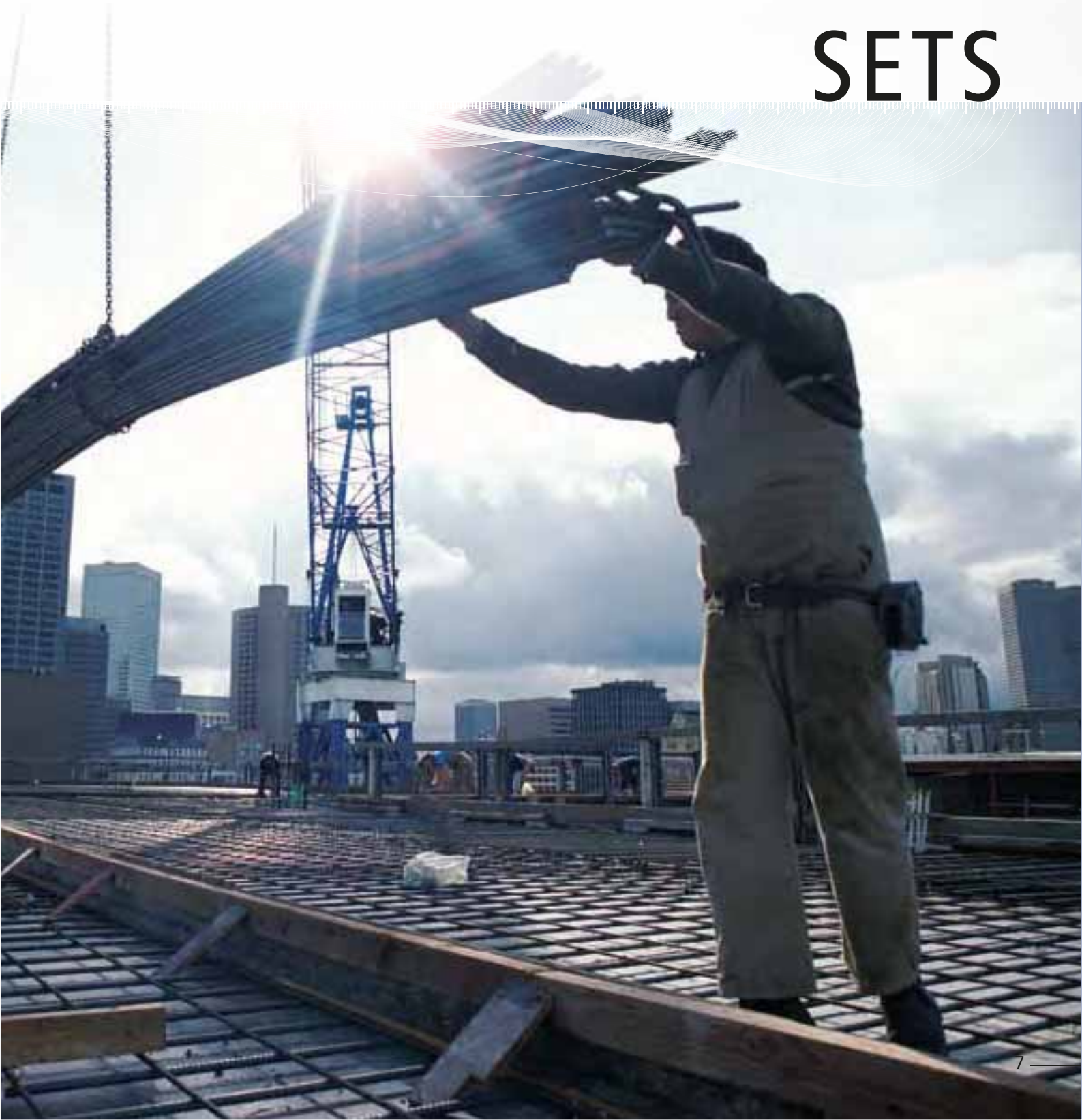
## Maintenance and technical support

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 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](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 genset: 2 simple, essential steps

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

### Requirement

- easy to handle equipment that is efficient, cost effective and suitable for frequent use
- equipment that is robust, long-lasting and simple to use for repetitive operations in difficult conditions
- equipment with long run time that can withstand extreme conditions, for daily professional use
- top of the range equipment that is efficient and with low noise emissions, for a wide range of standard requirements
- both long run times and very long life for professional applications
- leading edge technology, designed for regular, intensive use, that is powerful and quiet

### Range

#### ▶ **PERFORM** (p. 10)



**3**  
3 year guarantee

#### ▶ **INTENS** (p. 12)



**3**  
3 year guarantee

#### ▶ **TECHNIC** (p. 14)



**3**  
3 year guarantee

#### ▶ **PRESTIGE** (p. 16)

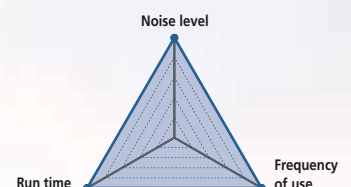
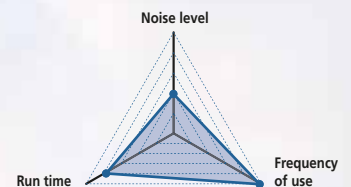
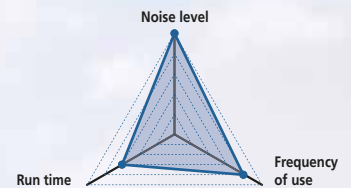
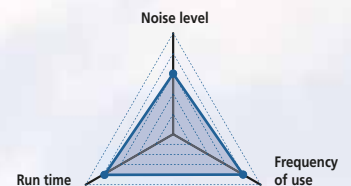
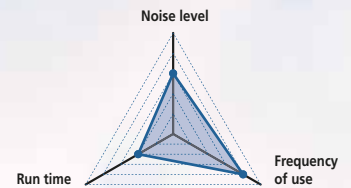
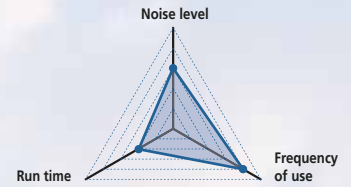


#### ▶ **DIESEL** (p. 18)



**3**  
3 year guarantee

#### ▶ **INDUSTRIAL** (p. 20)



### Naming convention: Example: TECHNIC 9000 TE AVR IP54 C

<b>TECHNIC</b>	Name of the range
<b>T</b>	Three phase genset
<b>E</b>	Electric starter
<b>AVR</b>	Genset with Automatic Voltage Regulation
<b>IP54</b>	Ingress protection of the genset
<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 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.



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

### Example

To run a 2400 W drill.

You need a 2900 W genset.

**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).



\* 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 <sup>(1)</sup>	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
Engine	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
	EEC Noise level Lwa	96	97	97	96	97	97
Engine	dB(A) @ 7 m	68	68	69	68	68	69
	Weight in Kg	43	66.5	96.5	44	67.5	97.5
Socket codes <sup>(2)</sup>		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 <sup>(1)</sup>	5.65	8.15
	1-ph 230V	kW ISO 8528	2.3	6.5
Engine	Brand		Kohler®	Kohler®
	Type		CH 395	CH 440
	Oil level shutdown		•	•
	Electric start		X	X
	HP 3.600 rpm		8.5	11.9
Engine	Run time in hr		3.5	2.8
	L shaped tank		7.3	7.3
	EEC Noise level Lwa		97	97
Engine	dB(A) @ 7 m		68	69
	Weight in Kg		77.5	106.5
	Socket codes <sup>(2)</sup>		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.



**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 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<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.



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

### PERFORM 4500 GAZ ▶ 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.



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

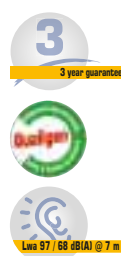
### PERFORM 6500 ▶ NEW

- 6.5 kW - 8.15 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.

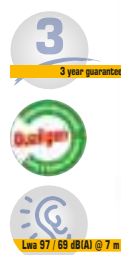


1 kW 2 kW 3 kW 4 kW 5 kW 6 kW 7 kW 8 kW 9 kW 10 kW 11 kW



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



\*For information only.



# INTENS

Exceptionally robust



HX 3000



HX 4000



HX 5000 T



HX 6000



HX 6080



HX 7500 T

## SINGLE-PHASE GENSETS

Type		HX 3000	HX 4000	HX 6000	HX 6080
Max power 230 V	kW ISO 8528	3.0	4.0	6.0	6.0
	kVA <sup>(1)</sup>	3.75	4.5	6.6	7.5
Engine	Brand	Honda®	Honda®	Honda®	Honda®
	Type	GX 200	GX 270	GX 390	GX 390
	Oil level shutdown	•	•	•	•
	Electric start	X	X	X	X
	HP 3.600 rpm	5.5	8	11	11
	Run time in hr	2.4	2.5	2.4	2.4
Noise level Lwa	EEC	95	97	97	97
	dB(A) @ 7 m	67	67	68	68
	Weight in Kg	41	56	79	76
	Socket codes <sup>(2)</sup>	P1L	P1L	P1H	P1H

## THREE-PHASE GENSETS

Type			HX 5000 T	HX 7500 T**
Max power	3-ph ISO 8528	kW	4.0	6.0
		kVA <sup>(1)</sup>	5.0	7.5
	1-ph 230V	kW ISO 8528	2.3	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
Noise level Lwa	EEC	97		97
	dB(A) @ 7 m	67		68
	Weight in Kg	68		80
	Socket codes <sup>(2)</sup>	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, Quick'lock, manual transfer switch, loose cover, maintenance kit. See pages 38 to 41 for the part numbers for these options.

## 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<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.



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



### HX 4000

- 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.



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



### HX 6080

- 6 kW - 7.5 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.



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



**SDMO  
FEATURE**

Oversized alternator for reliable power.

\*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 <sup>(1)</sup>	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
EEC	Noise level Lwa	96	97	97	97	101
	dB(A) @ 7 m	67	68	69	69	72
	Weight in Kg	46	73.5	100	105	139
	Socket codes <sup>(2)</sup>	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 <sup>(1)</sup>	5.65	8.15	8.15	13.75	19.0
	1-ph 230V	kW ISO 8528	2.3	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	
EEC	Noise level Lwa	97	97	97	101	104	
	dB(A) @ 7 m	68	69	69	72	74	
	Weight in Kg	79	110.5	115	170	188	
	Socket codes <sup>(2)</sup>	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.



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

## 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.



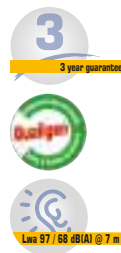
### TECHNIC 4500 AVR

- 4.2 kW - 4.95 kVA<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.



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



### TECHNIC 6500

- 6.5 kW - 8.15 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 air compressors  
or high pressure cleaners.



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



### TECHNIC 20000 TE AVR C NEW

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

**Application\*:**  
ideal for use with plaster pumps.



5 kW 6 kW 7 kW 8 kW 9 kW 10 kW 11 kW 12 kW 13 kW 14 kW 15 kW

**SDMO  
FEATURE**

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



\*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 <sup>(1)</sup>	1.0	2.0	3.0	3.5	6.05
Engine	Brand	Yamaha®	Yamaha®	Yamaha®	Honda®	Honda®
	Type	MZ50	MZ79	MZ171	GX 200	GX 390
	Oil level shutdown	•	•	•	•	•
	Electric start	×	×	•	×	•
	HP 3.600 rpm	NC	NC	NC	5.5	11
	Run time in hr	4.2	4.2	8.1	9.2	9.6
	L shaped tank	2.5	4.2	13	12	24
EEC Noise level Lwa	dB(A) @ 7 m	88	91	88	94	94
	Weight in Kg	13	21	68	46	130
	Socket codes <sup>(2)</sup>	P1ZB	P1ZB	P1ZC	P1L	P1P

## THREE-PHASE GENSETS

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

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



**Options available for this range depending on the model:** trolley kit, RCCB, automatic controller, 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.



## Inverter technology

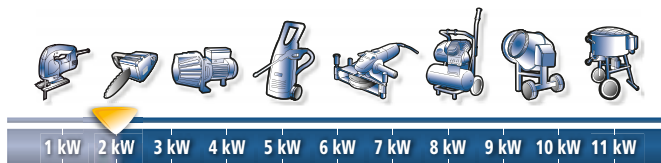
Total safety for exacting electronic equipment, inverter technology provides high quality power with stable voltage and frequency for your genset at  $\pm 1\%$  of the nominal value. Inverter technology adapts the motor speed to the load required, reducing emissions and noise and using less fuel. Another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



### INVERTER PRO 2000 NEW

- 2 kW - 2 kVA<sup>(1)</sup> - 230 V
- YAMAHA® - MZ79 engine
- EEC Noise level Lwa  
91 Lwa / 60 dB(A) @ 7 m

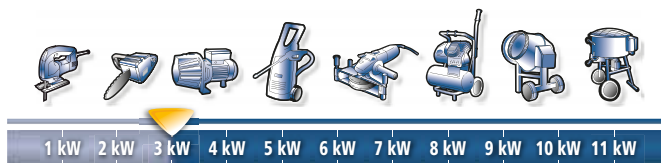
**Application\*:**  
ideal for use with electronic speed controlled drills.



### INVERTER PRO 3000 E NEW

- 3 kW - 3 kVA<sup>(1)</sup> - 230 V
- YAMAHA® - MZ171 engine
- EEC Noise level Lwa  
88 Lwa / 59 dB(A) @ 7 m

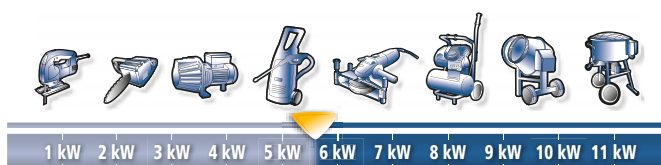
**Application\*:**  
ideal for use with angle grinders.



### ALIZÉ 7500 TE

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

**Application\*:**  
ideal for refrigerated display units.



\*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	kW ISO 8528	3.40	3.40	5.2	5.2	9.00
	230 V kVA <sup>(1)</sup>	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
EEC	Noise level Lwa	108	108	108	86	109
	dB(A) @ 7 m	78	78	79	60	80
	Weight in Kg	70	84	103	198	162
Socket codes <sup>(2)</sup>		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 <sup>(1)</sup>	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	
EEC	Noise level Lwa	108	86	109	
	dB(A) @ 7 m	79	60	80	
	Weight in Kg	105	198	174	
Socket codes <sup>(2)</sup>		P1J	P1ZE	P1ZE	

X Not available. • Standard.

(1) Theoretical value calculated for comparison purposes.

(2) See table of sockets on page 43.



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 38 to 41 for the part numbers for these options.

# SDMO FEATURE



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 if too low (DIESEL 6000 E SILENCE, 4000 E XL C, 6000 E XL C and 6500 TE XL C gensets). The Modys control panel fitted to the DIESEL 6000 E SILENCE has an oil light.



### DIESEL 4000 E XL C

- 3.4 kW - 4.25 kVA<sup>(1)</sup> - 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.



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

### DIESEL 6000 E SILENCE ▶ NEW

- 5.2 kW - 6.5 kVA<sup>(1)</sup> - 230 V
- KOHLER® DIESEL - KD 440 engine
- EEC Noise level Lwa  
86 Lwa / 60 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 10000 E XL C

- 9 kW - 11.25 kVA<sup>(1)</sup> - 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.



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

\*For information only.



3  
3 year guarantee



3  
3 year guarantee



Lwa 86 / 60 dB(A) @ 7 m

#### SDMO FEATURE

New design: compact, very quiet.



3  
3 year guarantee



# INDUSTRIAL

When you need the best performance



XP-S6-HM-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 <sup>(4)</sup>	XP-T8HKM-ALIZÉ <sup>(4)</sup>	XP-T9KM-ALIZÉ <sup>(4)</sup>
Max power 230 V	kW ISO 8528	5.6	5.5	7.50	8.60
	kVA <sup>(1)</sup>	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
	EEC Noise level Lwa	93	86	94	86
Socket codes <sup>(2)</sup>	dB(A) @ 7 m	65	57	65	57
	Weight in Kg	245	390	340	544
		X	P1C	P1C	P1C

## THREE-PHASE GENSETS

Type		XP-T9HK-ALIZÉ <sup>(4)</sup>	XP-T12K-ALIZÉ <sup>(4)</sup>	XP-T12HK-ALIZÉ <sup>(4)</sup>	XP-T15HK-ALIZÉ <sup>(4)</sup>	XP-T16K-ALIZÉ <sup>(4)</sup>
Max power 400 V	kW ISO 8528	7.2	9.2	9.6	12.0	12.8
	kVA <sup>(1)</sup>	9.0	11.5	12.0	15.0	16.0
Engine	Brand	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel	Mitsubishi® Diesel
	Type	L2E-SDH	S3L2-SD	L3E-SDH	L3E-SDH	S4L2-SD
	Oil level shutdown	•	•	•	•	•
	Electric start	•	•	•	•	•
	Run time in hr	19.2	20	11.9	11.9	14.7
	L shaped tank	50	50	50	50	50
	EEC Noise level Lwa	94	86	95	96	87
Socket codes <sup>(2)</sup>	dB(A) @ 7 m	65	57	66	67	58
	Weight in Kg	365	535	385	442	554
		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)



### 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, automatic controller, remote control panel, manual transfer switch, maintenance kit. See 38 to 41 for the part numbers for these options.

# SDMO FEATURE



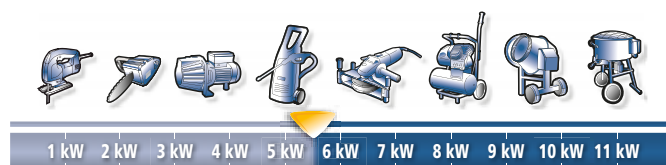
## The NEXYS control unit, the last word in controllers

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 gensets.



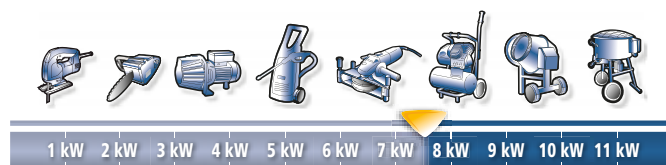
### XP-S6-HM-STORM NEW

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



### XP-T8HKM-ALIZÉ

- 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

- 9.2 kW - 11.5 kVA<sup>(1)</sup> - 400 V
- MITSUBISHI® DIESEL S3L2-SD engine  
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 RPP) with :  
1 230V 32A socket - Circuit breaker  
+ 1 230V 16A socket - Circuit breaker  
+ 1 10/16A socket - Circuit breaker.



\*For information only.



*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  
180 DE C



WELDARC  
300 TDE XL C

## WELDARC DIESEL

### 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 <sup>(1)</sup>	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
EEC Noise level Lwa	EEC Noise level Lwa	101	101	97	97	101
	dB(A) @ 7 m	72	72	68	68	72
	Weight in Kg	111	112	87	88	152
Socket codes <sup>(2)</sup>		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 <sup>(1)</sup>	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
EEC Noise level Lwa	EEC Noise level Lwa	108	109
	dB(A) @ 7 m	79	80
	Weight in Kg	100	175
Socket codes <sup>(2)</sup>		P1L	P1K

X Not available

(1) Theoretical value calculated for comparison purposes.

(2) See table of sockets on page 43.



**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.





## 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<sup>(1)</sup> - 400 V (with circuit breaker)
- EEC Noise level Lwa  
97 Lwa / 68 dB(A) @ 7 m
- Tool tray included



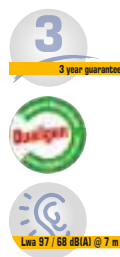
### WELDARC 300 TE XL C

- 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<sup>(1)</sup> - 400 V (with circuit breaker)
- EEC Noise level Lwa  
101 Lwa / 72 dB(A) @ 7 m



### 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<sup>(1)</sup> - 230 V (with circuit breaker)
- EEC Noise level Lwa  
108 Lwa / 79 dB(A) @ 7 m
- Tool tray included





*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 body of the pump must be filled with liquid before the pump 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:

### ▶ 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 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.

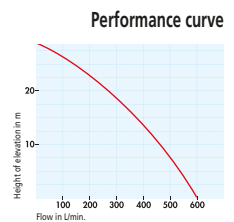
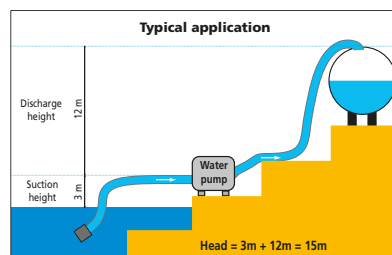
### TECHNICAL CHARACTERISTICS

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 \* PolyEthylene Terephthalate

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

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



$$\text{Height of elevation} = \text{suction height} + \text{height of lift} + \text{head loss}$$

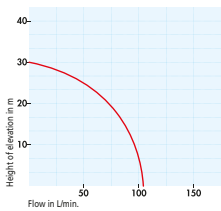


# AQUALINE™ INTENS

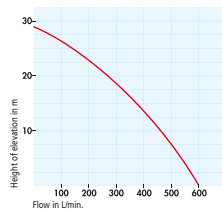
Designed for water with low solid content



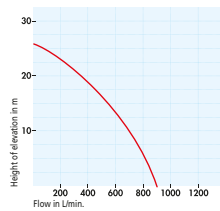
CLEAR 1



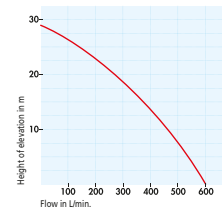
ST 2.36 H



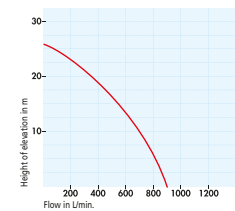
ST 3.60 H



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 m <sup>3</sup> /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 41 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.



### 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.

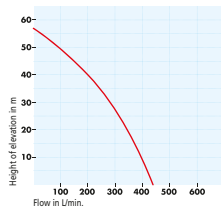


# AQUALINE™ SPECIALIST

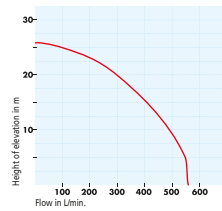
High performance under extreme conditions



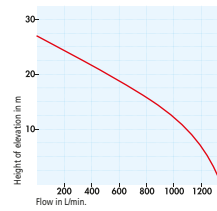
HP 2.26 H



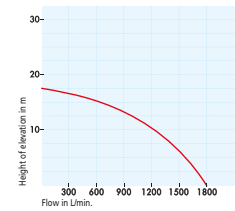
XC 2.34 H



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 <sup>3</sup> /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 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 m<sup>3</sup>/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 m<sup>3</sup>/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 m<sup>3</sup>/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.



*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

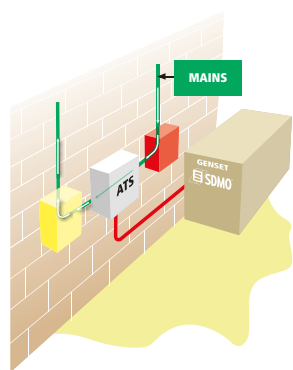
Generating sets in the residential power range are compact and sound insulated for home use. They can be installed permanently outdoors and start up automatically if there is a power cut, whether you are there or not. They can be used:

- 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.

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

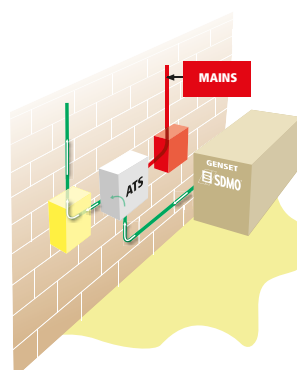
### ▶ Operating principle:

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



**Options available for this range:** automatic transfer switch, maintenance kit, RCCB, standard battery. See page 40 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) and a 230 V socket.



### 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

### 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



Can run off liquid propane or natural gas.

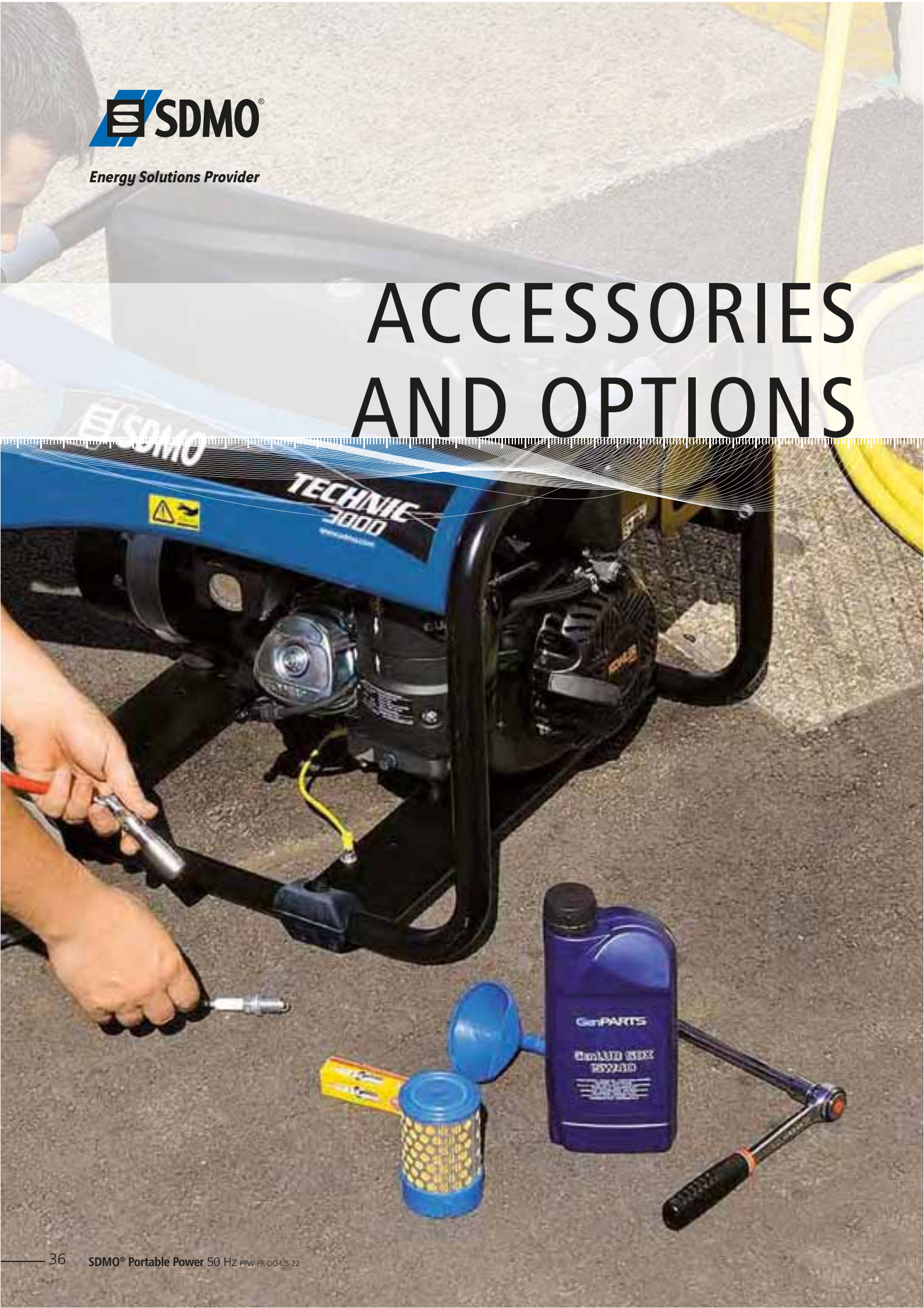


\* Cosφ0.8



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 handling

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



### For maintenance

Illustrated user and maintenance manual in 20 languages.



### 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 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 gensets, welding sets and residential gensets (cont)

## Ex works options only

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

### 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\*

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 R05A automatic control unit is selected.



### 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 in the **R01**, **R02** and **R03** RCCBs.



### Road trailers

#### ■ Ref. R08B

Lightweight road trailer with tongue for occasional use for the **INDUSTRIAL** range (PG/VW up to 750 kg with registration). Net weight: 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. Net weight: 190 kg.



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

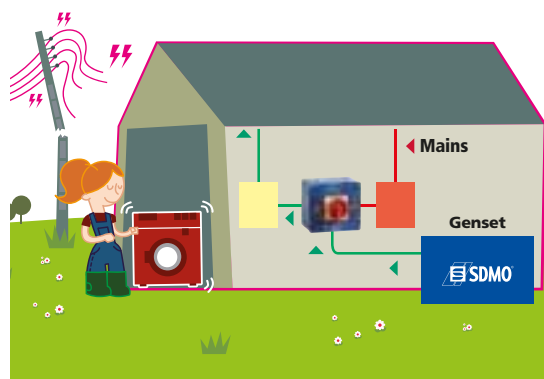
## Options supplied separately

■ For gensets ■ For welding sets

### Manual transfer switch

#### ■ Ref. R05M

The manual changeover switch is used to connect 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.

### Storage box

#### ■ Ref. RBAC

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



### Sockets

#### ■ Ref. RPP

Socket pack with 1 230V 32 A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 10/16A socket - Circuit breaker. For XP-S6-HM-STORM only.

### "Quick'lock" reel

#### ■ Ref. R15/R25

Specially designed to fit your SDMO® genset, these reels facilitate total freedom of movement thanks to their 20m cable (R15 = 3 x 1.5² H07-RNF et R25 = 3 x 2.5² H07-RNF). They are fitted with a 30 mA RCCB and thermal trip included in the spooler to ensure user safety. Available for all gensets in the INTENS range.



### 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 mm<sup>2</sup> thick cable.



### Welding kit

■ **Ref. R10**

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



### 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 wheels with solid tyres (diameter 260 mm). For gensets and welding sets up to 6 kW.



■ ■ **Ref. RKB2**

Trolley kit with 4 handles and 2 wheels with inflatable tyres (Ø 360 mm) for easier handling of gensets 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 and Diesel 6500 TE SILENCE.



■ ■ **Ref. RKB4**

Trolley kit with 1 handle and 2 solid tyres for XP-S6-HM-STORM.

### 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.



### 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).

■ ■ **Ref. RKS5\*\***

Maintenance kit for KOHLER® CH 640 engine (pack of 10).

■ **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**

Male plugs for all models made up of: 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

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

0.5 litre of SAE 15W40 oil (boxes of 24) and 1 litre of SAE 15W40 oil (boxes of 20).



### 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.





# 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>							C Range	S Range			
			Brand	Type	Run time in hr	L-shaped tank	Oil level shutdown	kW ISO 8528	kVA <sup>(1)</sup>	60% (intensive)	35% (normal)	Min/max amperage	Current	Min/max Ø in mm	All types						Max. Standing current	Factory fitted	Removable	Maintenance kit	Storage box	Loose cover	Welding kit			Socket codes <sup>(2)</sup>		
																															230 V	400 V
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	Δ	Δ	
	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	Δ	Δ	
WELDARC DIESEL	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	X	P1K	•	X
	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	X	P1K	•	X

## WATER PUMPS

Range	Type	Pump							Engine						EEC Noise level Lwa	dB(A) @ 7m	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 3-6000 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							dB(A) @ 7m	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%)		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 <sup>(4)</sup> .
P1F	1 230V 10/16A socket - Circuit breaker + 1 230V 16A socket - Circuit breaker + 1 400V 16A socket - Circuit breaker + RCCB + MICS NEXYS <sup>(4)</sup> .
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 <sup>(5)</sup> .
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 <sup>(4)</sup> .
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 <sup>(5)</sup> .
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 <sup>(5)</sup> .
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. Δ 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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