

# Generators Water Pumps Power Carriers

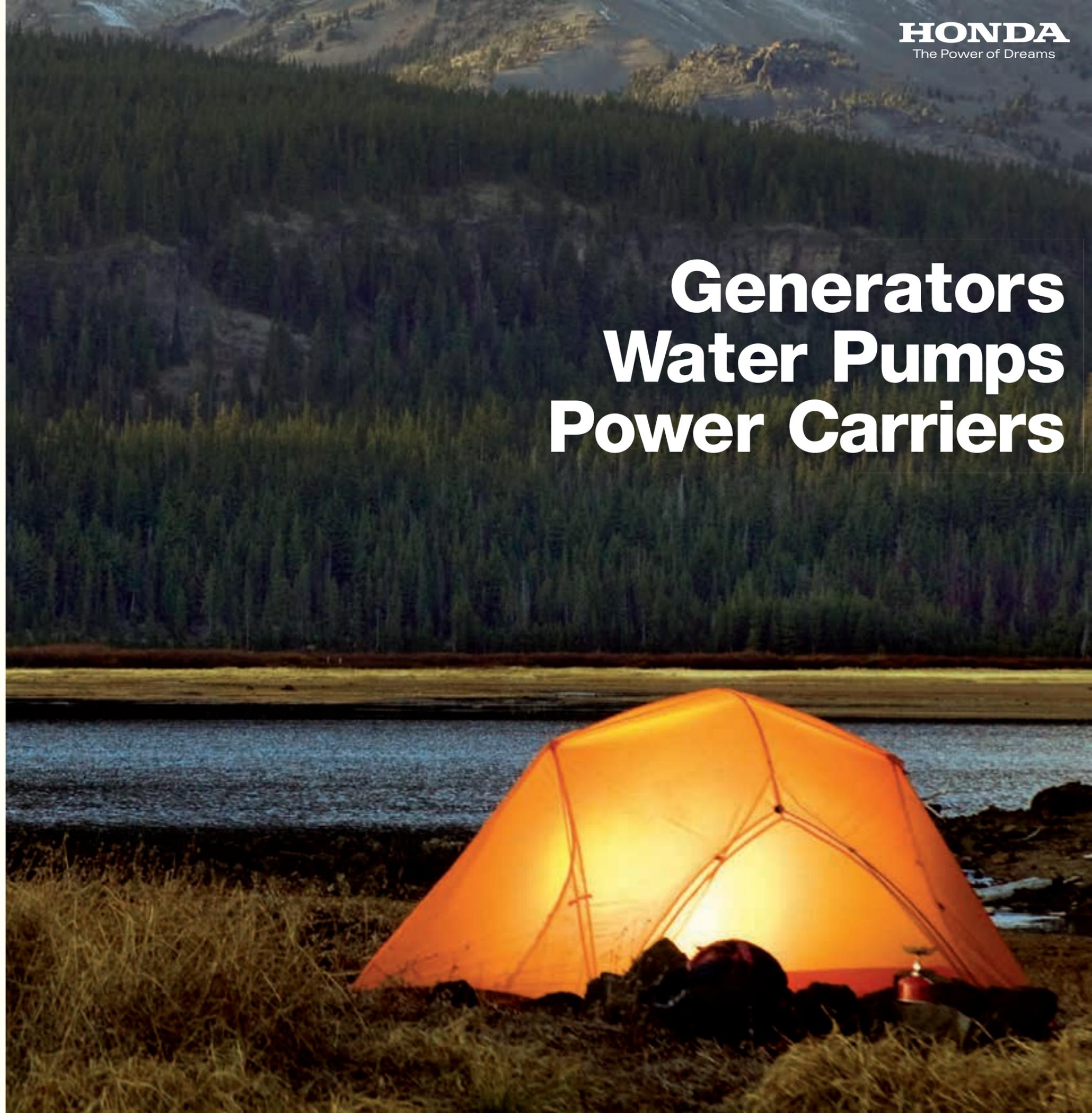
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## **Honda (UK) - Power Equipment**

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# trust

When it comes to handling power, is there a more powerful word? It gives us the belief that goals can be achieved, the confidence that hard work pays off and the freedom to enjoy solving problems. Which is why, from campsite to building site, garden party to music festival, Honda Industrial products are entrusted the world over to deliver robust, reliable and efficient results.

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# Useful Innovation



BLUE SKIES FOR OUR CHILDREN



## ▲ Blue Skies for our Children

Ever wished for a world where our children can enjoy a free and sustainable future? At Honda, this vision is nothing new for us. As pioneers of environmental technologies, our engineers have been exploring ways to make it happen for the past 40 years.

Today, sustainability is still top of our agenda. In June 2011, we pledged to cut CO<sub>2</sub> emissions from all our global products, equipment and corporate activities by 30% by the end of 2020 compared to 2000 levels. We're also firmly committed to powering our vehicles with innovative renewable technologies wherever we can.

## ▲ HondaJet

Why can't planes be made cheaper, more fuel efficient and create less emissions? At Honda we believe in stretching the bounds of human mobility whether it's on the road, on the track or in the sky. So, in 1997, a thought became a sketch. Instead of putting the engines below the wings, as on standard aircraft, we put them above it. In 2000, HondaJet's progress was such that a new research facility was established exclusively for its development. Today HondaJet is aloft. With its all-composite fuselage, it is lighter, quieter, more fuel efficient and emits as little as 40% of the pollutants of comparable aircraft.



## ▲ Robotic Lawnmower

As one of the world leaders in lawnmower technology and advanced robotics, doesn't it make sense that our first commercial robotic product is a lawnmower? Miimo, our robotic lawnmower, is designed to fit right into your life – and make it better. This capable robot works to take care of your lawn so you can focus on the more important things in life.

Minimum input from you means maximum output from Miimo, with automatic recharging and durable blades to keep it going for even longer. What's more, Miimo cuts down garden waste and improves the health of your lawn by recycling the grass clippings back into the ground.

## ▼ FCX Clarity

What if we could build a car with zero emissions? For more than two decades, our engineers have looked for ways to challenge conventional thinking on how to make cars. Powered by an electric motor, the FCX Clarity emits no CO<sub>2</sub>. Since we unveiled our first fuel cell vehicle in 1999, we've brought the innovative FCX right from the lab to the fleet and now, to the public.



Soichiro Honda once said "We only have one future and it will be made of our dreams, if we have the courage to challenge convention". Since 1948, when the Honda Motor Corporation was formed, we have lived by this philosophy. Always challenging the status quo, always asking questions, always learning. Endeavouring to make the impossible possible. And big dreams produced a massive future. Today, Honda produces innovative and reliable products for almost every application – from lawnmowers to corporate jets. With every product designed to make life more joyful for you and less impactful to the planet. Where will our dreams take us next?

## ◀ ASIMO

What if we could create products that can help with important tasks like assisting the elderly or a person confined to a wheelchair? Or perform tasks that are dangerous to humans, such as fighting fires or cleaning up toxic spills? Back in 1986, our engineers made this dream a reality when they created ASIMO: the world's most advanced humanoid robot. ASIMO cleverly recreates human motion to walk and run on slopes and uneven surfaces. It can make smooth turns, climb stairs and pick up objects. ASIMO can even respond to simple voice commands and recognise the faces of a select group of individuals. And using its camera eyes, ASIMO can even skillfully map its environment to navigate around stationary and moving objects.



## ▲ Motorcycles

Wouldn't motorcycles be better if designers focused on the rider rather than the machine? For example, instead of thinking "How can we improve the brakes?" Honda ask "How can a braking system compensate for a rider's panic-driven reactions in an emergency without affecting normal braking feel?" We use this process to create machines that not only win MotoGPs but also perform perfectly on the daily commute. What's more, all the knowledge is shared, from 1800cc Grand Tourers like the Gold Wing to 50cc Scooters like the Vision 50.







## QUALITY OF POWER OUTPUT

Whatever load you are plugging in, a high quality electricity output will enhance the life time of your application. Reactive loads will require very high quality electricity for better performance. Electronic loads could even fail if the electricity quality is not high enough.

To achieve high quality electricity output, you need good regulation of voltage and power.

There are several different technology types available to regulate the voltage and power on a generator, each with different advantages:

**CONDENSER / INDUCTIVE**

Condenser or inductive generators are the most popular in the industry. The simplicity of technology makes these generators cost effective and reliable. Ideally suited for applications with resistive loads.

**AVR**

Many Honda generators feature an Automatic Voltage Regulator, or AVR, designed to consistently control voltage. Power regulation is electronically controlled, which allows for better voltage and frequency stability. The AVR helps keep the output voltage more constant and less dependent on the load. This means less drop in power or power spikes. AVR technology significantly enhances the performance and operating lifetime of reactive load applications.

**DIGITAL AVR**

Digital Automatic Voltage Regulator (D-AVR) has a significant advantage over the traditional AVR, giving a smoother and more efficient output. This new output technology has several application benefits over AVR, such as minimising flickering lights.

**INTELLIGENT AUTO VOLTAGE REGULATOR (i-AVR)**

By combining Honda's D-AVR with engines equipped with i-Governor (Electronic Governor), Honda has produced a range of generators offering class leading output performance with stable voltage and frequency. Ideal for construction, hospitality, emergency services, home back up and sensitive applications.

**CYCLO CONVERTER**

Honda's patented Cyclo Converter technology is based on Inverter technology, but uses a simplified electronic voltage control system. Cyclo Converter generators are compact and lightweight, giving higher quality electricity than AVR generators, as the electricity output is not directly linked to the engine rpm. These generators are ideal for both industrial and leisure applications.

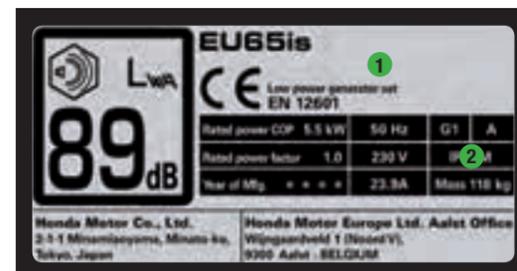
**INVERTER**

Inverter generators, pioneered by Honda back in 1987, give high quality clean power and are not rpm dependent. The cutting-edge technology allows for an exceptionally compact product, with an alternator almost half the size of more traditional generators. Ideal for powering highly sensitive electronic equipment, such as computers, Inverters provide optimised electricity for reactive loads and electronic loads, ensuring the best application performance and product longevity. Inverter generators offer a number of other benefits, including less noise, lower weight, and greater fuel efficiency when compared to traditional models.

### NEW EN12601 COMPLIANT GENERATOR NAME PLATES NOW INCLUDE TWO NEW PIECES OF INFORMATION:

- 1 Low power generator set – now applies to all generators producing up to 10kW.
- 2 A or B added, this stands for the generator quality grade which is explained below.

In simple terms if on a generator nameplate the Rated power is stated as 4.0kW then under the stated test conditions this generator should continuously produce 3.8kW or more to be "A" (within 5% of the stated rated power), if this generator produces under stated test conditions less than 3.8kW it will be "B"(within 10% of the stated rated power).



## FUEL EFFICIENCY AND RUN-TIME

Ideally, you should look for a generator that not only offers performance and reliability, but is also fuel efficient and has a long run-time. Honda generators offer several features that meet these needs.

Honda Inverter generators feature our exclusive Eco-Throttle™, which automatically adjusts the engine speed to match the power needed. This allows for maximum fuel efficiency.

Our EU generators are so fuel efficient they boast incredibly long run times - as much as 20 hours on a single tank of fuel. Through continued research and development, coupled with Honda's superior technology, our generators produce the best fuel consumption figures on the market.

## HONDA FEATURES AND TECHNOLOGIES

Honda generators have many innovative features and technologies, to maximise performance whatever the environment and application. The following symbols have been carefully considered to help you choose the right generator for your needs. Look for these symbols on the model pages.

<p><b>OIL ALERT™</b></p> <p>Prevents engine damage by automatically shutting the unit down if the oil drops below a safe operating level.</p>	<p><b>EXTENDED RUN TIME</b></p> <p>Model features a larger fuel tank for longer continuous operation.</p>	<p><b>DC OUTPUT</b></p> <p>Provides up to 12A for battery charging (optional cable required).</p>	<p><b>TRANSPORT WHEELS</b></p> <p>Smooth and stable wheel attachments allow a single user to easily manoeuvre the unit.</p>
<p><b>LIGHTWEIGHT</b></p> <p>For superb portability in any situation, with easy transportation and storage.</p>	<p><b>LOW-NOISE DESIGN</b></p> <p>Noise-reducing muffler to lower operational noise.</p>	<p><b>SUPER-QUIET</b></p> <p>Noise-reducing casing and acoustic panelling to greatly reduce operational noise.</p>	<p><b>ELECTRIC START</b></p> <p>Key operated electric start for effortless operation.</p>
<p><b>i-MONITOR</b></p> <p>Monitors output performance as well as self-diagnostics and servicing information.</p>	<p><b>ECO-THROTTLE™</b></p> <p>Automatically adjusts the engine speed to precisely match the load, to save fuel, extend engine life and give quieter operation.</p>	<p><b>AUTO THROTTLE</b></p> <p>Automatically reduces the engine speed when appliances are turned off or disconnected. Engine returns to rated speed when appliances are turned on or reconnected.</p>	<p><b>ENHANCED ANTI-VIBRATION SYSTEM</b></p> <p>Our 45° inclined rubber engine mounts give superior vibration damping compared to industry-standard straight rubber mounts.</p>
<p><b>HIGH DUST AND WATER PROTECTION</b></p> <p>Model features a high level of dust and water protection (IP54 category compared to the standard IP23 category).</p>	<p><b>MULTI-PHASE POWER OUTPUT</b></p> <p>Variable power output options for single-phase or three-phase applications.</p>	<p><b>PARALLEL OPERATION</b></p> <p>Parallel operation capability is an additional benefit of Inverter technology. Using Honda Genuine Parallel operation cables, you can link two EU10i, two EU20i, two EU30i, two EU30is, or two EU26i generators together to get as much as double the output of a single unit.</p> <p>This gives you extra power when you need it, without having to trade up to a larger, heavier generator. Note: you can only parallel link two identical units together.</p>	



## PORTABLE GENERATORS

Compact, lightweight and ultra-quiet, our handy portable range provides super-clean power in the remotest of locations. These highly portable and fuel efficient generators have acoustically insulated casings and also an advanced exhaust muffler system, to reduce operational noise to a comfortable level. Weight is kept to a minimum by using ultra-lightweight materials such as magnesium.

The unique Inverter technology found on our EU models produces the high quality output required by sensitive electronic equipment, such as computers, and reduces the risk of crashes or electrical damage. All our EU portable models also feature EcoThrottle™, which automatically adjusts the engine speed in line with the load being drawn, giving incredible fuel economy. Additionally, two of the same EU models can be linked together using a parallel cable. This doubles the output over a single unit, meaning the range of uses can be extended even further.

### PORTABLE GENERATORS POPULAR USES

- Camping
- Caravanning
- Garden use
- Portable power tools
- Lighting
- Home appliances
- Boating



### EX 7

### EU 10i

### EU 20i

### EU 30i

For feature and technology symbol glossary see page 10

For full generator model specifications see page 21

	EX 7
<b>Max output</b>	<b>700W</b>
Rated output	600W
Fuel tank capacity	2.1L
Operating time at rated load	4h30
Dimensions (mm)	L 451 x W 242 x H 379
Dry weight	12kg
Sound power level (2000/14/EC, 2005/88/EC)	83dB(A)
Power output	Cyclo Converter
Socket output	1 x 13A 230V

	EU 10i
<b>Max output</b>	<b>1000W</b>
Rated output	900W
Fuel tank capacity	2.1L
Operating time at rated load	3h30
Dimensions (mm)	L 451 x W 242 x H 379
Dry weight	13kg
Sound power level	87dB(A)
Power output	Inverter
Socket output	1 x 13A 230V

	EU 20i
<b>Max output</b>	<b>2000W</b>
Rated output	1600W
Fuel tank capacity	3.6L
Operating time at rated load	3h50
Dimensions (mm)	L 512 x W 290 x H 425
Dry weight	20.7kg
Sound power level	89dB(A)
Power output	Inverter
Socket output	2 x 13A 230V

	EU 30i
<b>Max output</b>	<b>3000W</b>
Rated output	2600W
Fuel tank capacity	5.9L
Operating time at rated load	3h50
Dimensions (mm)	L 622 x W 379 x H 489
Dry weight	35.2kg
Sound power level	92dB(A)
Power output	Inverter
Socket output	1 x 16A 230V

## MANOEUVRABLE HIGH-TECH GENERATORS

Constant technology evolution and development means Honda generators are more than capable of powering an increasingly mobile and electric-powered world. Using lightweight and compact Inverter technology, our high-tech EU and EM generators deliver high-power output in a transportable unit. With reliable power for heavy-duty and professional use, the high quality electric supply is on a par with the national grid – essential for the latest and most sensitive electronic products.

Our high-tech EU and EM models use EcoThrottle™ to give low fuel consumption and extended run time. The EU range is also designed with acoustic sensitivity in mind, with low vibration, reduced engine noise, an advanced exhaust muffler system and sound insulating casings.

### MANOEUVRABLE HIGH-TECH GENERATORS POPULAR USES

- Home/office back-up
- Sensitive professional lighting
- Computers
- Sensitive industrial equipment
- Air conditioning
- Hospitality units



**EU 26i**



**EU 30is**



**EM 50is\***



**EM 65is**



**EU 65is**

For feature and technology symbol glossary see page 10

For full generator model specifications see page 23

**Max output**  
Rated output  
Fuel tank capacity  
Operating time at rated load  
Dimensions (mm)

Dry weight  
Sound power level (2000/14/EC, 2005/88/EC)  
Power output  
Socket output



**2600W**  
2400W  
13.3L  
8h30  
L 658 x W 482 x H 570

55.9kg  
90dB(A)  
Inverter  
2 x 16A 230V



**3000W**  
2800W  
13L  
8h  
L 658 x W 482 x H 570

61.2kg  
91dB(A)  
Inverter  
2 x 16A 230V



**5000W**  
4500W  
16.5L  
5h40  
L Handle down: 810  
L Handle up: 1,155 W: 666 x H:692

101.7kg  
96dB(A)  
Inverter  
16A 230V



**6500W**  
5500W  
16.5L  
5h15  
L Handle down: 810  
L Handle up: 1,155 W: 666 x H:692

101.7kg  
97dB(A)  
Inverter  
2 x 16A 230V / 1 x 32A 230V



**6500W**  
5500W  
16.5L  
5h15  
L Handle down: 850  
L Handle up: 1,195 W: 666 x H:699

117.8kg  
89dB(A)  
Inverter  
2 x 16A 230V / 1 x 32A 230V

\*Not available in the UK. Photography shown for model illustration only.

# ENDURANCE GENERATORS

The EC models are the workhorses of our generator range. Their renowned endurance and minimal maintenance requirements make our robust EC the generator of choice for consumers, artisans and semi-professionals. Designed with core values of simple design, reliable starting and extreme durability, they provide raw power for the most heavy-duty applications, from the toughest environments to the harshest and most demanding emergency situations.

Powered by our easy-starting, commercial grade, 4-stroke GX engines, they are ultra-reliable thanks to our Oil Alert™ function that shuts down the engine if the oil level drops below a safe level, preventing costly damage. The engine and alternator are rubber mounted within a powder-coated tubular steel frame for reduced vibration, increased protection and easy lifting.

## ENDURANCE GENERATORS POPULAR USES

- Construction equipment
- Hire companies
- Standard lighting
- Emergency services
- Industrial power tools



**EC 2000**

**ECM 2800**

**EC 3600**

**EC 5000**

**ECT 7000**

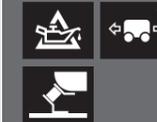
**ECMT 7000\***

**ECT 7000P\***

For feature and technology symbol glossary see page 10

For full generator model specifications see page 22

<b>Max output</b>	<b>2000W</b>
Rated output	1700W
Fuel tank capacity	3.3L
Operating time at rated load	2h50
Dimensions (mm)	L 585 × W 435 × H 440
Dry weight	36kg
Sound power level (2000/14/EC, 2005/88/EC)	95dB(A)
Power output	Condenser
Socket output	16A 230V / 16A 115V



<b>Max output</b>	<b>2800W</b>
Rated output	2500W
Fuel tank capacity	14.2L
Operating time at rated load	9h
Dimensions (mm)	L 645 × W 435 × H 490
Dry weight	50kg
Sound power level	96dB(A)
Power output	Condenser
Socket output	16A 230V / 16A 115V

<b>Max output</b>	<b>3600W</b>
Rated output	3400W
Fuel tank capacity	5.3L
Operating time at rated load	3h
Dimensions (mm)	L 800 × W 550 × H 540
Dry weight	58kg
Sound power level	97dB(A)
Power output	Condenser
Socket output	16A 230V / 16A 115V

<b>Max output</b>	<b>5000W</b>
Rated output	4500W
Fuel tank capacity	6.2L
Operating time at rated load	2h50
Dimensions (mm)	L 800 × W 550 × H 540
Dry weight	75kg
Sound power level	97dB(A)
Power output	Condenser
Socket output	2 x 16A 230V / 1 x 16A 115V / 1 x 32A 115V

<b>Max output</b>	<b>4000W / 7000W†</b>
Rated output	3600W / 6500W†
Fuel tank capacity	6.2L
Operating time at rated load	2h15
Dimensions (mm)	L 800 × W 550 × H 540
Dry weight	77kg
Sound power level	97dB(A)
Power output	Inductive
Socket output	16A 400V / 16A 230V

<b>Max output</b>	<b>4000W / 7000W†</b>
Rated output	3600W / 6500W†
Fuel tank capacity	22.8L
Operating time at rated load	8h10
Dimensions (mm)	L 755 × W 550 × H 560
Dry weight	104kg
Sound power level	97dB(A)
Power output	Inductive
Socket output	16A 400V / 16A 230V

<b>Max output</b>	<b>4000W / 7000W†</b>
Rated output	3600W / 5200W†
Fuel tank capacity	6.2L
Operating time at rated load	2h15
Dimensions (mm)	L 800 × W 550 × H 540
Dry weight	86kg
Sound power level	97dB(A)
Power output	Inductive
Socket output	16A 250V

\*Not available in the UK. \*\*Optional wheel kit available.  
† The 2 power values shown are for single-phase and three-phase output.  
Photography shown for model illustration only.

## ENDURANCE HIGH-PERFORMANCE GENERATORS

Powered by the latest generation of GX engine, and featuring a Digital Auto Voltage Regulator (D-AVR), our new EG range is designed for the professional user requiring toughness, reliability and performance for the most demanding commercial and rental applications.

With the ability to detect and react instantaneously to fluctuations in output voltage, the D-AVR technology provides cleaner electricity. This gives extra torque and optimal performance in any electrical motor application, with a stable output to run power tools and incandescent lighting without causing flickering.

Housed in a durable tubular frame, the overhead valve (OHV) GX engine produces plentiful power and has excellent fuel efficiency, all whilst reducing emissions and noise without the use of a catalyst. A centralised layout of all controls ensures the EG range of generators are highly versatile but simple to use.

### ENDURANCE HIGH-PERFORMANCE GENERATORS POPULAR USES

- Sensitive power tools
- General construction equipment
- Industrial applications
- Emergency power applications
- Industrial lighting



**EG 3600CL**



**EG 4500CL**



**EG 5500CL**



For feature and technology symbol glossary see page 10

For full generator model specifications see page 24

<b>Max output</b>	
Rated output	
Fuel tank capacity	
Operating time at rated load	
Dimensions (mm)	
Dry weight	
Sound power level (2000/14/EC, 2005/88/EC)	
Power output	
Socket output	



<b>3600W</b>
3200W
24L
12h
L 681 × W 530 × H 571
68kg
96dB(A)
Digital AVR
1 x 16A 230V / 1 x 16A 115V / 1 x 32A 115V



<b>4500W</b>
4000W
24L
9h30
L 681 × W 530 × H 571
79.5kg
97dB(A)
Digital AVR
2 x 16A 115V / 1 x 32A 230V



<b>5500W</b>
5000W
24L
8h10
L 681 × W 530 × H 571
82.5kg
97dB(A)
Digital AVR
2 x 16A 115V / 1 x 32A 230V

\*Optional wheel kit available. Photography shown for model illustration only.



Image above shows EM 5500CXS without wheels and handles.



Image above shows EM 5500CXS without wheels and handles.

## ENDURANCE HIGH-TECH GENERATORS

Our popular EM range of generators are the professionals choice for performance and longevity, but without compromising on toughness and reliability. With a clean electricity output, they are ideal for powering sensitive electric motors, or for lighting applications to minimise flicker. They offer ample capacity and precise control.

Our NEW Intelligent Auto Voltage Regulator (i-AVR) Technology on our EM 4500CXS and EM 5500CXS offer electric stability comparable to an Inverter Generator. This unique technology with i-GX engine technology produces a very stable output and load matching performance ideal for applications with high start up loads and sensitive equipment.

These generators are suitable for a wide range of applications including construction, hospitality, emergency services, home back up and sensitive equipment.

The Cyclo Converter technology on our EM30 model allows for a more compact generator size, plus gives a high quality and stable electrical output, as it is not linked to the engine rpm.

### ENDURANCE HIGH-TECH GENERATORS POPULAR USES

- Home back-up
- Hospitality units
- Emergency services
- Sensitive construction equipment
- Sensitive lighting
- Sensitive industrial equipment



EM 30\*

EM 4500CXS

EM 5500CXS

For feature and technology symbol glossary see page 10

For full generator model specifications see page 25

	EM 30*
<b>Max output</b>	<b>3000W</b>
Rated output	2600W
Fuel tank capacity	9.7L
Operating time at rated load	6h
Dimensions (mm)	L 445 x W 402 x H 480
Dry weight	32kg
Sound power level (2000/14/EC, 2005/88/EC)	96dB(A)
Power output	Cyclo Converter
Socket output	1 x 16A 230V



	EM 4500CXS
<b>Max output</b>	<b>4500W</b>
Rated output	4000W
Fuel tank capacity	23.5L
Operating time at rated load	9h10
Dimensions (mm)	L Handle down: 725 Handle up: 1047.5 x W 706 x H 719
Dry weight	106.5kg
Sound power level (2000/14/EC, 2005/88/EC)	96dB(A)
Power output	i-AVR
Socket output	1 x 16A 115V / 1 x 32A 115V / 1 x 32A 230V



	EM 5500CXS
<b>Max output</b>	<b>5500W</b>
Rated output	5000W
Fuel tank capacity	23.5L
Operating time at rated load	7h40
Dimensions (mm)	L Handle down: 725 Handle up: 1047.5 x W 706 x H 719
Dry weight	108.8kg
Sound power level (2000/14/EC, 2005/88/EC)	96dB(A)
Power output	i-AVR
Socket output	1 x 16A 115V / 1 x 32A 115V / 1 x 32A 230V



\* Not available in the UK. Photography shown for model illustration only.

PORTABLE GENERATORS



Model	EX 7	EU 10i	EU 20i	EU 30i
Output technology	CYCLO CONVERTER	INVERTER	INVERTER	INVERTER

Type	Single phase	Single phase	Single phase	Single phase
Maximum output (W)	700	1000	2000	3000
Rated output (W)	600	900	1600	2600
Rated voltage (V)	230	230	230	230
Rated frequency (Hz)	50	50	50	50
Rated current (A)	2.6	3.9	7	11.3
DC rated output	12V / 6A	12V / 8A	12V / 8A	12V / 8.3A
Engine model	GXH50	GXH50	GX100	GX160
Engine type	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
Displacement (cm³)	49.4	49.4	98.5	163
Bore x stroke (mm)	41.8 x 36.0	41.8 x 36.0	56.0 x 40.0	68.0 x 45.0
Engine speed (rpm)	4500 max	4500 max	5000 max	4000 max
Cooling system	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0.25	0.25	0.4	0.53
Fuel tank capacity (L)	2.1	2.1	3.6	5.9
Operating time at rated load	4h30	3h30	3h50	3h50
Starter system	Recoil	Recoil	Recoil	Recoil
Length (mm)	451	451	512	622
Width (mm)	242	242	290	379
Height (mm)	379	379	425	489
Dry weight (kg)	12	13	20.7	35.2
Sound pressure level at workstation – dB(A) <small>(98/37/EC, 2006/42/EC)</small>	70	70	71	74
Guaranteed sound power level – dB(A) <small>(2000/14/EC, 2005/88/EC)</small>	83	87	89	92

ENDURANCE GENERATORS



Model	EC 2000	ECM 2800	EC 3600	EC 5000	ECT 7000†	ECMT 7000†	ECT 7000P†
Output technology	CONDENSER	CONDENSER	CONDENSER	CONDENSER	INDUCTIVE	INDUCTIVE	AVR

Type	Single phase	Single phase	Single phase	Single phase	Single / Three phase	Single / Three phase	Single / Three phase
Maximum output (W)	2000	2800	3600	5000	4000 / 7000†	4000 / 7000†	4000 / 7000†
Rated output (W)	1700	2500	3400	4500	3600 / 6500†	3600 / 6500†	3600 / 5200†
Rated voltage (V)	230	230	230	230	230 / 400†	230 / 400†	230 / 400†
Rated frequency (Hz)	50	50	50	50	50	50	50
Rated current (A)	7.5	11	15	19.5	16 / 9.5†	16 / 9.5†	16 / 9.5†
DC rated output	N/A						
Engine model	GX160T1	GX200	GX270T	GX390T1	GX390T1	GX390	GX390
Engine type	4-stroke, OHV,** 1 cylinder						
Displacement (cm³)	163	196	270	389	389	389	389
Bore x stroke (mm)	68.0 x 45.0	68.0 x 54.0	77.0 x 58.0	88.0 x 64.0	88.0 x 64.0	88.0 x 64.0	88.0 x 64.0
Engine speed (rpm)	3000	3000	3000	3000	3000	3000	3000
Cooling system	Forced air	Fan					
Ignition system	Transistor						
Oil capacity (L)	0.6	0.6	1.1	1.1	1.1	1.1	1.1
Fuel tank capacity (L)	3.3	14.2	5.3	6.2	6.2	22.8	6.2
Operating time at rated load	2h50	9h	3h	2h50	2h15	8h10	2h15
Starter system	Recoil						
Length (mm)	585	645	800	800	800	755	800
Width (mm)	435	435	550	550	550	550	550
Height (mm)	440	490	540	540	540	560	540
Dry weight (kg)	36	50	58	75	77	104	86
Sound pressure level at workstation – dB(A) <small>(98/37/EC, 2006/42/EC)</small>	84	84	85	87	86	85	87
Guaranteed sound power level – dB(A) <small>(2000/14/EC, 2005/88/EC)</small>	95	96	97	97	97	97	97

\* Not available in the UK.  
 \*\*OHV – Overhead Valve.  
 † Three phase 400 V3-

MANOEUVRABLE HIGH-TECH GENERATORS



Model  
Output technology

Model	EU 26i	EU 30is	EM 50is <sup>†</sup>	EM 65is	EU 65is
Output technology	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER

Type	Single phase	Single phase	Single phase	Single phase	Single phase
Maximum output (W)	2600	3000	5000	6500	6500
Rated output (W)	2400	2800	4500	5500	5500
Rated voltage (V)	230	230	230	230	230
Rated frequency (Hz)	50	50	50	50	50
Rated current (A)	10.5	12.2	19.6	23.9	23.9
DC rated output	12V / 10A	12V / 12A	N/A	N/A	N/A
Engine model	GX160	GX200	GX340	GX390	GX390
Engine type	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
Displacement (cm <sup>3</sup> )	163	196	337	389	389
Bore x stroke (mm)	68.0 x 45.0	68.0 x 54.0	82.0 x 64.0	88.0 x 64.0	88.0 x 64.0
Engine speed (rpm)	3800 max	3800 max	3600 max	3600 max	3600 max
Cooling system	Forced air	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0.53	0.55	1.1	1.1	1.1
Fuel tank capacity (L)	13.3	13	16.5	16.5	16.5
Operating time at rated load	8h30	8h	5h40	5h15	5h15
Starter system	Recoil	Recoil and Electric start	Recoil and Electric start	Recoil and Electric start	Recoil and Electric start
Length (mm)	658	658	Handle down: 810mm Handle up: 1,115mm	Handle down: 810mm Handle up: 1,115mm	Handle down: 850mm Handle up: 1,195mm
Width (mm)	482	482	666	666	666
Height (mm)	570	570	692	692	699
Dry weight (kg)	55.9	61.2	101.7	101.7	117.8
Sound pressure level at workstation – dB(A) <small>(98/37/EC, 2006/42/EC)</small>	73	74	78	78	75
Guaranteed sound power level – dB(A) <small>(2000/14/EC, 2005/88/EC)</small>	90	91	96	97	89

ENDURANCE HIGH PERFORMANCE GENERATORS



Model	EG 3600CL	EG 4500CL	EG 5500CL
Output technology	D-AVR	D-AVR	D-AVR

Type	Single phase	Single phase	Single phase
Maximum output (W)	3600	4500	5500
Rated output (W)	3200	4000	5000
Rated voltage (V)	230	230	230
Rated frequency (Hz)	50	50	50
Rated current (A)	13.9	17.4	21.7
DC rated output	N/A	N/A	N/A
Engine model	GX270T2	GX390T2	GX390T2
Engine type	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
Displacement (cm <sup>3</sup> )	270	389	389
Bore x stroke (mm)	77.0 x 58.0	88.0 x 64.0	88.0 x 64.0
Engine speed (rpm)	3000	3000	3000
Cooling system	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor
Oil capacity (L)	1.1	1.1	1.1
Fuel tank capacity (L)	24	24	24
Operating time at rated load	12h	9h30	8h10
Starter system	Recoil	Recoil	Recoil
Length (mm)	681	681	681
Width (mm)	530	530	530
Height (mm)	571	571	571
Dry weight (kg)	68	79.5	82.5
Sound pressure level at workstation – dB(A) <small>(98/37/EC, 2006/42/EC)</small>	79	81	82
Guaranteed sound power level – dB(A) <small>(2000/14/EC, 2005/88/EC)</small>	96	97	97

ENDURANCE HIGH-TECH GENERATORS



Model	EM 30 <sup>†</sup>	EM 4500CXS	EM 5500CXS
Output technology	CYCLE CONVERTER	i-AVR	i-AVR

Type	Single phase	Single phase	Single phase
Maximum output (W)	3000	4500	5500
Rated output (W)	2600	4000	5000
Rated voltage (V)	230	230	230
Rated frequency (Hz)	50	50	50
Rated current (A)	11.4	17.4	21.7
DC rated output	12V / 12A	N/A	N/A
Engine model	GX200	i-GX390	i-GX390
Engine type	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
Displacement (cm <sup>3</sup> )	196	389	389
Bore x stroke (mm)	68.0 x 54.0	88.0 x 64.0	88.0 x 64.0
Engine speed (rpm)	3600 max	3000	3000
Cooling system	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor
Oil capacity (L)	0.55	1.1	1.1
Fuel tank capacity (L)	9.7	23.5	23.5
Operating time at rated load	6h	9h10	7h40
Starter system	Recoil	Electric start	Electric start
Length (mm)	445	Handle down: 725 Handle up: 1047.5	Handle down: 725 Handle up: 1047.5
Width (mm)	402	706	706
Height (mm)	480	719	719
Dry weight (kg)	32	106.5	108.8
Sound pressure level at workstation – dB(A) <small>(98/37/EC, 2006/42/EC)</small>	79	77	77
Guaranteed sound power level – dB(A) <small>(2000/14/EC, 2005/88/EC)</small>	96	96	96

<sup>†</sup>Not available in the UK.  
<sup>\*\*</sup>OHV – Overhead Valve.  
 Note: all the generators run on Unleaded Petrol.



## OUR RANGE OF WATER PUMPS

From small portable pumps to large trash pumps, Honda has a range designed for a variety of uses. Perfect for those who require efficient and quiet operation and that all-important Honda 4-stroke dependability.

## WATER PUMP TYPE

Typically water pumps fall into five categories:

### LIGHTWEIGHT PUMPS

Compact, lightweight and portable, our WX water pumps are an excellent choice for homeowners, gardeners, boat owners and recreational users.

### HIGH PRESSURE PUMPS

Our WH water pumps are perfect for applications needing high pressure, such as sprinklers or nozzles. Ideal for displacing average quality water, applications include irrigation and fire fighting, as well as pumping water over long distances.

### CHEMICAL PUMPS

Our WMP20 pump is designed to pump products such as agricultural fertiliser or industrial chemicals.

### HIGH FLOW RATE PUMPS

For general water pumping needs, our popular WB water pumps offer the best features, with commercial grade components like anti-vibration mounts, silicon carbide seals, and a fixed-mount cast iron volute and impeller.

### TRASH PUMPS

Trash pumps are the ultimate choice for contractors and rental applications. The WT series can handle solids up to 24mm in diameter and are capable of moving a lot of water – up to 1640 litres per minute (WT40). A quick clean-out port and easy maintenance features help to ensure long service life.

## ELEVATION HEIGHT

The relevance of elevation height depends on the application itself. Elevation height is calculated by:

### SUCTION HEAD

The height between the source water level and the water pump.

+

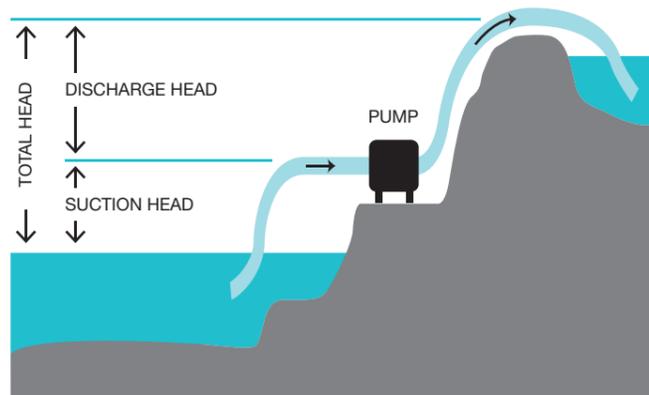
### DISCHARGE HEAD

The height between the water pump and the highest point of the output pipe.

+

### HEAD LOSS

The resistance of the pipes. Longer, narrower and twisted pipes create more loss.



## WATER PUMP USAGE

The wide range of Honda water pumps means there is a pump for all manner of applications. Use the chart below to select the right pump for your specific needs.



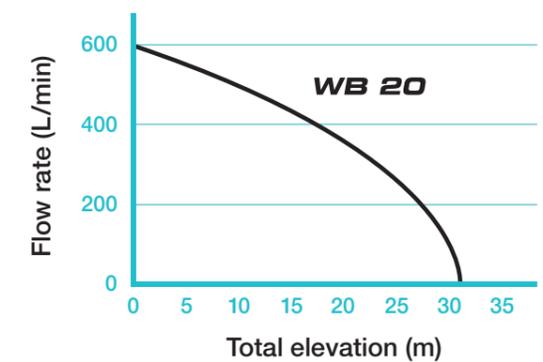
## WATER QUALITY EXAMPLES AND SUITABLE WATER PUMPS

										
	WX 10	WX 15	WH 15	WH 20	WB 20	WB 30	WT 20	WT 30	WT 40	WMP 20
Clean water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Muddy water	✓	✓			✓	✓	✓	✓	✓	
Solids up to 3mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Solids up to 6mm	✓	✓			✓	✓	✓	✓	✓	
Solids up to 24mm							✓	✓	✓	
Solids up to 28mm								✓	✓	
Solids up to 31mm									✓	
Chemicals										✓

## FLOW RATE

The flow rate is the maximum amount of water that can be pumped to a given height. A pump's flow rate can be calculated by using a pump performance curve, as shown in the WB20 example on the right. If you know the maximum elevation you will be pumping to, you can plot the value on the curve and determine if the pump has a sufficient flow rate for your requirements.

### PUMP PERFORMANCE CURVE



## WATER PUMP TERMINOLOGY

Below is more information on some of the additional terminology used in the description of water pump specifications, technology and operation:

### PRESSURE

Pressure is force per unit area, usually listed in bar, and is often included in pump performance curves. Pressure and head are directly related when referring to water pump performance. The pressure exerted (in bar) at the base of a column of water is  $0.433 \times \text{HEAD}$  (in metres). If you attach a pressure gauge at the base of a 30m pipe filled with clear water, you would measure 2.99 bar. Notice how the diameter of the pipe doesn't affect the pressure value. The maximum pressure (at zero discharge) of any water pump can be determined by multiplying the maximum head by 0.433.

### IMPELLER

An impeller is a rotating disc containing vanes coupled to the engine's crankshaft. All centrifugal pumps contain an impeller. The impeller vanes sling liquid outward through centrifugal force, causing a pressure change. This pressure change results in liquid flowing through the pump.

### VOLUTE

The volute is the stationary housing enclosing the impeller. The volute collects and directs the flow of liquid from the impeller and increases the pressure of the high velocity water flowing from the vanes of the impeller.

### MECHANICAL SEAL

This is a spring-loaded seal consisting of several parts that seals the rotating impeller in the water pump case, preventing water from leaking into and damaging the engine. Mechanical seals are subject to wear when pumping water containing abrasives and will quickly overheat if the pump is run without filling the pump chamber with water before starting the engine. Honda trash pumps contain silicone carbide mechanical seals, designed to withstand abrasive conditions.



## HONDA FEATURES AND TECHNOLOGIES

Honda water pumps have many innovative features and technologies. The following icons have been carefully considered to support you in choosing the right water pump for your needs. Look for these symbols on the following model pages.



### OHV 4-STROKE ENGINE

Powerful and efficient with trusted reliability. Easy starting in all conditions with automatic decompression to reduce the pull force required.



### UNIQUE 360° OPERATION

Allows the pump to operate or be stored at any incline without damage.



### LIGHTWEIGHT AND PORTABLE

Super-compact and lightweight with integral carry handle for easy transporting and storage.



### CHEMICAL PUMP

Suitable for pumping chemical products such as agricultural fertiliser or industrial chemicals.



### OIL ALERT™

Prevents engine damage by automatically shutting the unit down if the oil drops below a safe operating level.



### CAST IRON VOLUTE AND IMPELLER

Superior durability for long life performance, even when pumping abrasive silts.



### CONICAL IMPELLER

Superb pumping and priming performance with reduced wear and clogging.



### REMOVABLE INSPECTION COVER

Quick and simple access for making inspections and clearing debris for reduced down-time.



### ANTI-VIBRATION SYSTEM

Straight engine rubber mounts to reduce mechanical stress on the entire unit.



### ENHANCED ANTI-VIBRATION SYSTEM

45° inclined rubber engine mounts for superior vibration damping at high engine rpm.





## LIGHTWEIGHT & HIGH PRESSURE PERFORMANCE PUMPS

Lightweight portability and high pressure are the key attributes of the WX and WH range respectively. Despite their diminutive size they are all capable of an 8m suction head, generating impressive pressure and use tool-free, quick-release hose couplings.

Superbly portable, the WX models are particularly compact and lightweight for easy transfer to where ever they are needed. A unique 360° lubrication system allows the WX10 to carry on working at virtually any angle without spilling oil or affecting the pump's optimal lubrication, as well as ensuring trouble-free operation after storage or transportation.

A powerful GX160 engine, together with a strong cast iron impeller for high abrasion resistance, are at the heart of the WH range. Producing exceptionally high pressure and head lift, the self-priming pumps are ideal for sprinkling, jetting, long-hose irrigation or fire fighting applications.



**WX 10**



**WX 15\***



**WH 15\***



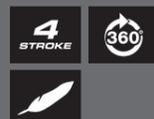
**WH 20**

For feature and technology symbol glossary see page 30

For full water pump model specifications see page 35-36

**Max output capacity**

Inlet/outlet diameter - thread type	25mm (1")-PF
Total head	36m
Suction head	8m
Pressure	3.6bar
Debris size capacity	5.7mm
Fuel tank capacity	0.55L
Operating time	1h30 approx
Dry weight	6.1kg
Dimensions (mm)	L 325 × W 220 × H 300



**140 litres/min**

Inlet/outlet diameter - thread type	25mm (1")-PF
Total head	36m
Suction head	8m
Pressure	3.6bar
Debris size capacity	5.7mm
Fuel tank capacity	0.55L
Operating time	1h30 approx
Dry weight	6.1kg
Dimensions (mm)	L 325 × W 220 × H 300



**240 litres/min**

Inlet/outlet diameter - thread type	40mm (1.5")-PF
Total head	40m
Suction head	8m
Pressure	4bar
Debris size capacity	5.7mm
Fuel tank capacity	0.77L
Operating time	1h30 approx
Dry weight	9kg
Dimensions (mm)	L 325 × W 275 × H 375



**400 litres/min**

Inlet/outlet diameter - thread type	40mm (1.5")-PF
Total head	50m
Suction head	8m
Pressure	5.0bar
Debris size capacity	3mm
Fuel tank capacity	2L
Operating time	2h approx
Dry weight	22kg
Dimensions (mm)	L 415 × W 360 × H 405



**500 litres/min**

Inlet/outlet diameter - thread type	50mm (2")-PF
Total head	50m
Suction head	8m
Pressure	5.0bar
Debris size capacity	3mm
Fuel tank capacity	3.1L
Operating time	2h30 approx
Dry weight	27kg
Dimensions (mm)	L 520 × W 400 × H 450

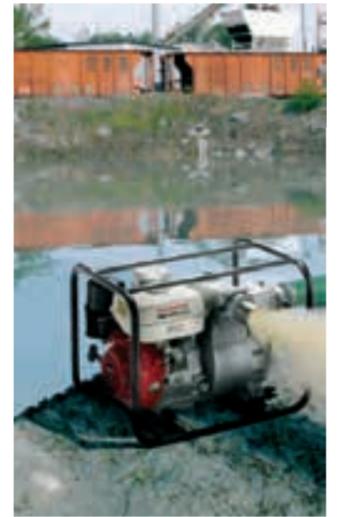
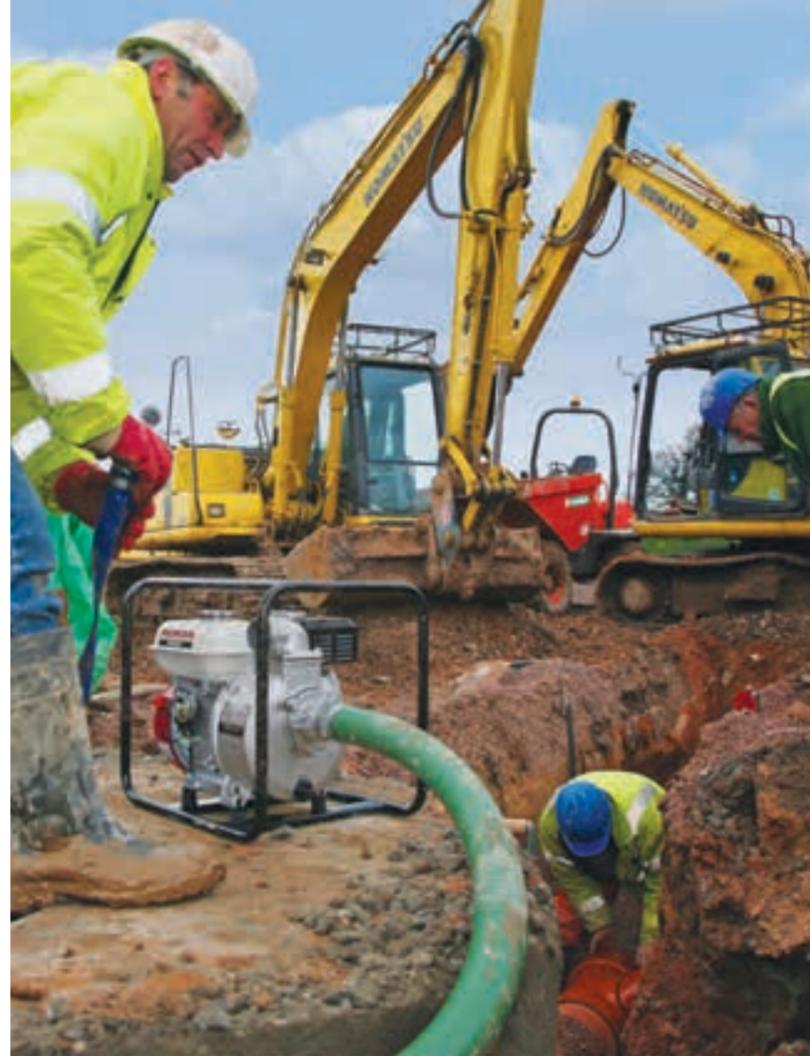
\*Not available in the UK.  
\*\*Oil Alert™ option available.

## HIGH FLOW RATE TRASH & CHEMICAL PUMPS

Designed for dealing with large volumes of water and moving it quickly, our general purpose and trash pumps are the professional choice. Robust and durable, thanks to a heavy-duty protective frame, they are powered by our commercial grade GX engine, renowned for its high performance and fuel efficiency.

The general-purpose WB range is built with an abrasion-resistant cast iron volute and impeller, providing extra durability for handling water containing a certain amount of silt and sand, such as on construction sites or in floodwater. Rubber engine mounts reduce mechanical stress through vibration.

Taking on the most demanding jobs, our range of trash pumps are designed to allow gravel and other suspended debris to flow through the pump without clogging or causing damage. Built around durability and wear resistance, they feature a silicon carbide seal and a unique conical cast iron impeller design which reduces wear. 45° inclined rubber mounts ensure minimal vibration at high engine rpm. Quick-release bolts on the removable inspection cover make maintenance and clearing debris quick and simple.



**WB 20**

**WB 30**

**WT 20**

**WT 30\***

**WT 40\***

**WMP 20**

For feature and technology symbol glossary see page 30

For full water pump model specifications see page 35-36

### Max output capacity

Inlet/outlet diameter - thread type  
Total head  
Suction head  
Pressure  
Debris size capacity  
Fuel tank capacity  
Operating time  
Dry weight  
Dimensions (mm)



### 600 litres/min

50mm (2")-PF  
32m  
8m  
3.2bar  
6mm  
1.9L  
2h50 approx  
21kg  
L 455 x W 365 x H 420



### 1100 litres/min

80mm (3")-PF  
28m  
8m  
2.8bar  
6mm  
3.1L  
2h50 approx  
27kg  
L 510 x W 385 x H 455



### 710 litres/min

50mm (2")-PF  
30m  
8m  
3bar  
24mm  
3.1L  
2h50 approx  
47kg  
L 620 x W 460 x H 465



### 1210 litres/min

80mm (3")-PF  
27m  
8m  
2.7bar  
28mm  
5.3L  
2h10 approx  
61kg  
L 660 x W 495 x H 515



### 1640 litres/min

100mm (4")-PF  
26m  
8m  
2.6bar  
31mm  
6.1L  
2h approx  
78kg  
L 735 x W 535 x H 565



### 833 litres/min

50mm (2")-NPT  
32m  
8m  
3.2bar  
5mm  
3.1L  
2h15 approx  
26kg  
L 520 x W 400 x H 450

\*Not available in the UK.

**LIGHTWEIGHT AND HIGH PRESSURE PUMPS**



Model **WX 10** **WX 15\*** **WH 15\*** **WH 20**

Maximum output capacity (L/min)	140	240	400	500
Inlet/outlet diameter (mm) - thread type	25 (1") -PF	40 (1.5") -PF	40 (1.5") -PF	50 (2") -PF
Total head (m)	36	40	50	50
Suction head (m)	8	8	8	8
Pressure (bars)	3.6	4	5.0	5.0
Debris size capacity (mm)	5.7	5.7	3	3

Engine model	GX25	GXH50	GX120	GX160
Engine type	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
Displacement (cm <sup>3</sup> )	25	49	118	163
Bore x stroke (mm)	35.0 x 26.0	41.8 x 36.0	60.0 x 42.0	68.0 x 45.0
Engine speed (rpm)	7000 max	7000 max	3600 max	3600 max
Engine net power (kW) (SAE J1349)	0.72	1.6	2.6	3.6
Cooling system	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0.1	0.25	0.6	0.6
Fuel tank capacity (L)	0.55	0.77	2	3.1
Operating time	1h20 approx	1h30 approx	2h approx	2h30 approx
Starter system	Recoil	Recoil	Recoil	Recoil

Length (mm)	325	325	415	520
Width (mm)	220	275	360	400
Height (mm)	300	375	405	450
Dry weight (kg)	6.1	9	22	27

Sound pressure level at workstation – dB(A) (98/37/EC, 2006/42/EC)	86	88	87	91
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	102	103	104	106

**HIGH FLOW RATE, TRASH AND CHEMICAL PUMPS**



Model **WB 20** **WB 30** **WT 20** **WT 30\*** **WT 40\*** **WMP 20**

Maximum output capacity (L/min)	600	1100	710	1210	1640	833
Inlet/outlet diameter (mm) - thread type	50 (2") -PF	80 (3") -PF	50 (2") -PF	80 (3") -PF	100 (4") -PF	50 (2") -NPT
Total head (m)	32	28	30	27	26	32
Suction head (m)	8	8	8	8	8	8
Pressure (bars)	3.2	2.8	3	2.7	2.6	3.2
Debris size capacity (mm)	6	6	24	28	31	5

Engine model	GX120	GX160	GX160	GX240	GX340	GX160
Engine type	4-stroke, OHV,** 1 cylinder					
Displacement (cm <sup>3</sup> )	118	163	163	242	337	163
Bore x stroke (mm)	60.0 x 42.0	68.0 x 45.0	68.0 x 45.0	74.0 x 58.0	82.0 x 64.0	68.0 x 45.0
Engine speed (rpm)	3600 max					
Engine net power (kW) (SAE J1349)	2.6	3.6	3.6	5.3	7.1	3.6
Cooling system	Forced air					
Ignition system	Transistor	Transistor	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0.6	0.6	0.6	1.1	1.1	0.6
Fuel tank capacity (L)	1.9	3.1	3.1	5.3	6.1	3.1
Operating time	2h50 approx	2h50 approx	2h50 approx	2h10 approx	2h approx	2h15 approx
Starter system	Recoil	Recoil	Recoil	Recoil	Recoil	Recoil

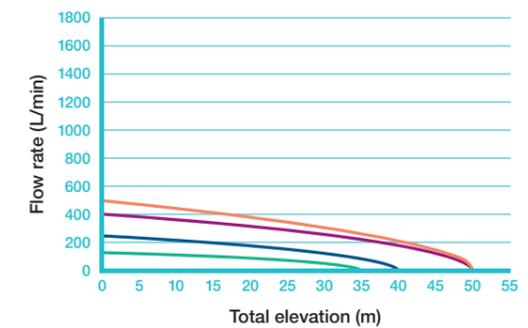
Length (mm)	455	510	620	660	735	520
Width (mm)	365	385	460	495	535	400
Height (mm)	420	455	465	515	565	450
Dry weight (kg)	21	27	47	60	78	26

Sound pressure level at workstation – dB(A) (98/37/EC, 2006/42/EC)	85	88	92	93	96	92
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	101	106	106	110	110	106

**WATER PUMP PERFORMANCE**

The colour-coded performance curves below show a direct comparison between the different water pumps. Each individual curve represents the flow rate vs. total elevation performance for each water pump.

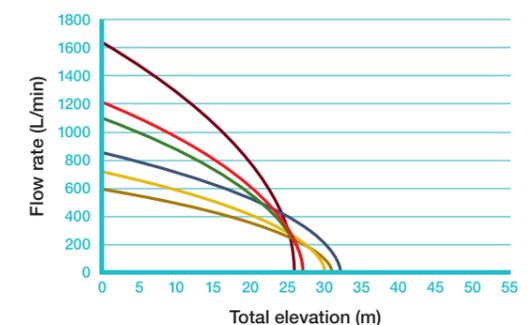
**LIGHTWEIGHT AND HIGH PRESSURE PUMP PERFORMANCE CURVES**



Product key:

**WX 10** **WX 15** **WH 15** **WH 20**

**HIGH FLOW RATE, TRASH AND CHEMICAL PUMP PERFORMANCE CURVES**



Product key:

**WB 20** **WB 30** **WMP 20**  
**WT 20** **WT 30** **WT 40**

\*Not available in the UK.  
\*\*OHV – Overhead Valve.  
Note: all Honda water pumps run on Unleaded Petrol.



## KEY FEATURES AND TECHNOLOGY



### DEADMAN'S CLUTCH

Releasing the special handles stops the carrier for added safety and control.

### HYDRO

### HYDROSTATIC DRIVE

Variable speed drive for smooth control and improved comfort.



### ADJUSTABLE LOAD BED

Expandable carrying bed for extra large loads.



### INDEPENDENT TRACK CONTROL

Left and right tracks are controlled by separate levers for a small turning radius.



### UNIQUE TRACK PATTERN

Superb stability and traction for low ground-pressure and minimal surface damage.



### TILTING LOAD BED

Fully tilting load bed allows for easy unloading.



## OUR RANGE OF POWER CARRIERS

Safe and easy to operate, Honda Power Carriers are true savers of time and labour. Robust, durable and driven by a 4-stroke engine with smooth power and high torque, they take the backache out of shifting heavy loads, especially in limited access areas. The ideal accomplice to an endless variety of jobs, you will wonder how you ever managed before owning one.

## LOW GROUND PRESSURE MAXIMUM FLEXIBILITY

Our HP range of tracked power carriers is perfect for moving large loads in restricted spaces, over soft ground or on undulating terrain. The unique track tread pattern provides incredible traction, even up steps, but minimises ground damage which is particularly useful over lawns and gardens. Each track is independently controlled by the left and right hand levers, for easy manoeuvrability and a 71cm turning radius. With each model featuring an adjustable load bed, or available as a 'naked' version without a load bed (HP350 and HP500 only), there is a model for every carrying requirement.

All models feature a deadman's clutch that disengages the drive when you let go, ensuring controllability and safety. The narrow width means access through a standard doorway is no problem and allows impressive manoeuvrability where space is limited. The HP500 model also features a hydrostatic drive system, for smoother forward and reverse operation.

### POPULAR USES OF POWER CARRIERS

Hire companies	Agricultural applications
Vineyards	Forestry work
Construction sites	Mining work
Stone masons	Mountain path repairs
Emergency services	Humanitarian aid
Railways	Recovery work
Landscape gardening	Landscape/beach restoration



### HP 350\*



#### Max load (level ground)

Max load (sloping ground)	350kg
Max load height – level ground	150kg
Max forward speed	900mm
Max reverse speed	3.5km/h
Max upward gradient	1.3km/h
Max downward gradient	15°
Engine model	15°
Net power (SAE J1349)	GXV160
Fuel tank capacity	3.2kW / 3600rpm
Dry weight	1.4L
Overall dimensions (mm)	149kg
Bed dimensions (mm)	L 1720 × W 635 × H 1015
Sound power level (2000/14/EC, 2005/88/EC)	L 920 × W 520 × H 135
	97dB(A)

### HP 450\*



#### 450kg

Max load (level ground)	250kg
Max load (sloping ground)	900mm
Max forward speed	3.5km/h
Max reverse speed	1.3km/h
Max upward gradient	15°
Max downward gradient	15°
Engine model	GXV160
Net power (SAE J1349)	3.2kW / 3600rpm
Fuel tank capacity	1.4L
Dry weight	181kg
Overall dimensions (mm)	L 1900 × W 635 × H 1055
Bed dimensions (mm)	L 1100 × W 520 × H 180
Sound power level (2000/14/EC, 2005/88/EC)	98dB(A)

### HP 500



#### 500kg

Max load (level ground)	350kg
Max load (sloping ground)	900mm
Max forward speed	4.3km/h
Max reverse speed	3.6km/h
Max upward gradient	15°
Max downward gradient	15°
Engine model	GXV160
Net power (SAE J1349)	3.6kW / 3600rpm
Fuel tank capacity	3.1L
Dry weight	197kg
Overall dimensions (mm)	L 2140 × W 650 × H 1100
Bed dimensions (mm)	L 1200 × W 560 × H 200
Sound power level (2000/14/EC, 2005/88/EC)	99dB(A)

# The World of Honda Power Equipment

For years, we've built our Power Equipment range around our clean Honda 4-stroke engine technology. That's because we're committed to making our products as user friendly, fuel efficient and reliable as we can – all without compromising performance. Class-leading 4-stroke principles still drive many of our products, but we're always pushing the boundaries with innovative newcomers like Miimo, our battery-powered robot mower that, between brief charges from your electrical supply, can be programmed to run anytime, 24 hours a day, seven days a week. At Honda, we've harnessed our design and technology expertise to create a versatile repertoire of products from generators, water pumps and tillers to marine engines, inflatable boats and snowthrowers. Take a look around the World of Honda and discover how our Power Equipment range is specially engineered to fit in with the life you lead.

Explore the wide range of Honda products at [www.honda.co.uk](http://www.honda.co.uk) or call **0845 200 8000** (Charged at local rates from landlines).



You deserve complete confidence that you've made the right choice, long after you've made the purchase. That's why we appoint our Honda Authorised Dealers with as much care as we build into our products. Look for the seal of quality when you buy your Honda, or call **0845 200 8000\*\*** and we'll find the closest to you.

£ **Sales**

Our Authorised Dealers not only feature a comprehensive display of Honda products to see and touch, but they know our product range inside-out. Every one follows an extensive Honda training programme with regular refresher courses – so you can trust in their valuable advice and experience to help you choose the product that's just right for you and your needs.

🔧 **Service**

As well as offering the highest levels of after-sales service, our Authorised Dealers' factory-trained technicians perform a full Pre-Delivery Inspection (PDI) on every machine, and are fully equipped to keep your product in peak condition with cost-effective servicing. Of course, you can also be assured that only high quality, genuine Honda parts are used, with access to our 24hr parts delivery service for fast and efficient turnaround.

★ **Expertise**

Our Authorised Dealers are true experts in their field, often with years of first-hand experience under their belt. In fact, their knowledge and experience plays an important role in making sure that our Research and Development team is given feedback from our customers, so we can ensure that new and improved models continue to meet your future needs too.

## Unrivalled quality, for peace of mind

There's a simple reason why you'll see so many old Honda products still in use. **Ours are built better to last longer.**

That's not just an idle promise. It's fact. Our enviable reputation for durability and reliability is supported by our cast-iron 5 Year Warranty\* for domestic use and one year for professional use, covering both parts and labour.

Our warranty maintains the same value throughout its lifetime too – meaning the last day of the cover is exactly the same as day one: solid and dependable. With Honda Power Equipment, reliability comes as standard.



\*\*Charged at local rates from landlines. \*Subject to an annual service.