

PEQ-BROCH-EN0215

Honda (UK) - Power Equipment

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Generators
Water Pumps
Power Carriers



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.



HONDA
Honda Power
Equipment celebrates
50 years of producing
innovative generators.
1965 - 2015.

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Useful Innovation

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.



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. By 2020 we have pledged to cut CO₂ emissions by 30% from all our global products, equipments and corporate activities.



▲ Robotic Lawnmower

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

Minimum output 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 shavings back into the ground.



▲ HondaJet

We have always done things differently at Honda. Pursuing our dreams has always been central to what we do and has led us to explore new innovations. HondaJet was born from the power of these dreams, breaking with conventional aerospace thinking and incorporating many unique and revolutionary ideas.

We designed a jet that maximises comfort and space without increasing its size, by mounting the engines over the wings instead of at the rear of the fuselage as most business jets. This may sound a little odd, but in fact it is totally logical because this layout means the rear of the fuselage no longer has to be designed to house and support the engines. This has helped to maximise internal space. This configuration also allows faster flight speeds than other aircraft of its class, as well as greater fuel efficiency and significant improvement in aerodynamic performance by reducing drag.

Everything we have learnt developing HondaJet will go into everything else we do, leading us to new innovations, new ideas and new directions. After all, who knows where you could go if you just let your imagination take flight.

▼ 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 CO₂. 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.





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GENERATORS EQUIPPED WITH ELECTRIC START AND AUTO-CHOKE.

GENERATORS EQUIPPED WITH ELECTRIC START AND AUTO-CHOKE.

SOUND LEVEL

SOUND LEVEL

SOUND LEVEL

08

[illegible]

**Typically the lowest power requirement, however many applications will require more power. Please check with your specific application to ensure generator compatibility.

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:



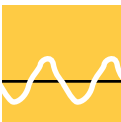
CONDENSER



INDUCTIVE

CONDENSER / INDUCTIVE

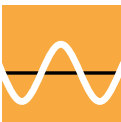
Condenser or inductive generators are the most popular in the industry. The simplicity of technology makes these generators cost effective and reliable. Ideally suited for applications with resistive loads.



AVR

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 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.



i-AVR

INTELLIGENT AUTO VOLTAGE
REGULATOR (i-AVR)

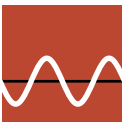
By combining Honda's D-AVR with engines equipped with i-Governor (Electronic Governor), Honda has produced a range of generators offering class leading output performance with stable voltage and frequency. Ideal for construction, hospitality, emergency services, home back-up and sensitive applications.



CYCLO
CONVERTER

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

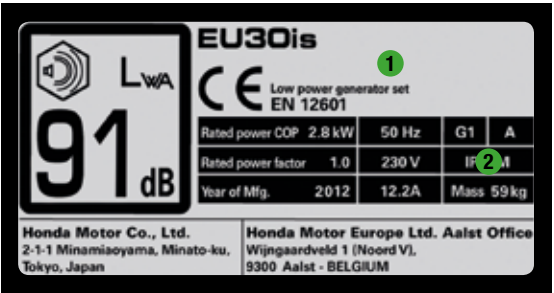
Inverter generators, pioneered by Honda back in 1987, give high quality clean power and are not rpm dependent. The cutting-edge technology allows for an exceptionally compact product, with an alternator almost half the size of more traditional generators. Ideal for powering highly sensitive electronic 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 one that 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.



OIL ALERT™

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



EXTENDED RUN TIME

Model features a larger fuel tank for longer, continuous operation.



DC OUTPUT

Provides up to 12A for battery charging (optional cable required).



TRANSPORT WHEELS

Smooth and stable wheel attachments allow a single user to easily manoeuvre the unit.



LIGHTWEIGHT

For superb portability in any situation, with easy transportation and storage.



LOW-NOISE DESIGN

Noise-reducing muffler to lower operational noise.



SUPER-QUIET

Noise-reducing casing and acoustic panelling to greatly reduce operational noise.



ELECTRIC START

For effortless starting (all units with electric start are equipped with a recoil start for back-up).



i-MONITOR

Monitors output performance as well as self-diagnostics and servicing information.



ECO-THROTTLE™

Automatically adjusts the engine speed to precisely match the load, to save fuel, extend engine life and give quieter operation.



AUTO THROTTLE

Automatically reduces the engine speed when appliances are turned off or disconnected. Engine returns to rated speed when appliances are turned on or reconnected.



ENHANCED
ANTI-VIBRATION SYSTEM

Our 45° inclined rubber engine mounts give superior vibration damping compared to industry-standard straight rubber mounts.



HIGH DUST AND
WATER PROTECTION

Model features a high level of dust and water protection (IP54 category compared to the standard IP23 category).



MULTI-PHASE
POWER OUTPUT

Variable power output options for single phase or three-phase applications.



PARALLEL OPERATION

Parallel operation capability is an additional benefit of Inverter technology. Using Honda Genuine Parallel operation cables, you can link two EU 10i, two EU 20i, two EU 30i, two EU 30is, or two EU 70is generators together to get double the output of a single unit.

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.



AUTO-CHOKE

The intelligent Auto-choke System automatically sets the choke to give optimum starting and running in all conditions.



FUEL INJECTED ENGINE

A world first for small generators. The fuel injection system improves starting, increases efficiency and reduces emissions.

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 Eco-Throttle™, 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



EU 10i



EU 20i



EU 30i



EU 30is



EU 70is

NEW MODEL

For feature and technology
symbol glossary see page 10
For full generator model
specifications see page 17

Max output

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

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

Power output



1000W

900W
2.1L
3h54
L 451 x W 242 x H 379

13kg
87dB(A)

Inverter

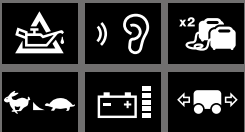


2000W

1600W
3.6L
4h
L 512 x W 290 x H 425

20.7kg
89dB(A)

Inverter



3000W

2600W
5.9L
7h06
L 622 x W 379 x H 489

35.2kg
92dB(A)

Inverter

For feature and technology
symbol glossary see page 10
For full generator model
specifications see page 19

Max output

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

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

Power output

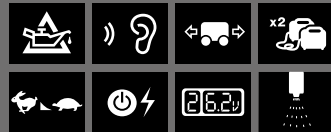


3000W

2800W
13L
7h06
L 658 x W 482 x H 570

61.2kg
91dB(A)

Inverter



7000W

5500W
19.2L
6.5h
L Handle down: 848
L Handle up: 1,198 W 700 x H 721

118.1kg
91dB(A)

Inverter

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 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 model uses Eco-Throttle™ 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

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



EC5000 with optional wheel kit accessory



EC 3600

EC 5000

ECT 7000

For feature and technology
symbol glossary see page 10

For full generator model
specifications see page 18

Max output	3600W
Rated output	3400W
Fuel tank capacity	5.3L
Operating time at rated	2h25
Dimensions (mm)	L 800 × W 550 × H 540
Dry weight	58kg
Sound power level (2000/14/EC, 2005/88/EC)	97dB(A)
Power output	Condenser



5000W
4500W
6.2L
2h17
L 800 × W 550 × H 540
75kg
97dB(A)
Condenser

For feature and technology
symbol glossary see page 10

For full generator model
specifications see page 18

Max output	4000W / 7000W**
Rated output	3600W / 6500W**
Fuel tank capacity	6.2L
Operating time at rated	2h13
Dimensions (mm)	L 800 × W 550 × H 540
Dry weight	77kg
Sound power level (2000/14/EC, 2005/88/EC)	97dB(A)
Power output	Inductive



*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 5500CL with optional wheel kit accessory



EG 3600CL

EG 4500CL

EG 5500CL

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 producing a very stable output and load matching performance - is 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.

ENDURANCE HIGH-TECH GENERATORS POPULAR USES

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



EM 4500CXS

EM 5500CXS

For feature and technology symbol glossary see page 10

For full generator model specifications see page 19

Max output

- Rated output
- Fuel tank capacity
- Operating time at rated
- Dimensions (mm)

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

Power output



3600W

3200W
24L
12h
L 681 × W 530 × H 571

68kg
96dB(A)

D-AVR



4500W

4000W
24L
9h30
L 681 × W 530 × H 571

79.5kg
97dB(A)

D-AVR



5500W

5000W
24L
8h06
L 681 × W 530 × H 571

82.5kg
97dB(A)

D-AVR

For feature and technology symbol glossary see page 10

For full generator model specifications see page 20

Max output

- Rated output
- Fuel tank capacity
- Operating time at rated
- Dimensions (mm)

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

Power output



4500W

4000W
23.5L
9h36
L Handle down: 725
Handle up: 1047.5 × W 706 × H 719
106.5kg
96dB(A)

i-AVR



5500W

5000W
23.5L
8h
L Handle down: 725
Handle up: 1047.5 × W 706 × H 719
108.8kg
96dB(A)

i-AVR

*Optional wheel kit available.
Photography shown for model illustration only.
See specification for your country-specific plug configuration.

PORTABLE GENERATORS



Model	EU 10i	EU 20i	EU 30i
Output technology	INVERTER	INVERTER	INVERTER
Type	Single phase	Single phase	Single phase
Maximum output (W)	1000	2000	3000
Rated output (W)	900	1600	2600
Rated voltage (V)	230	230	230
Rated frequency (Hz)	50	50	50
Rated current (A)	3.9	7	11.3
DC rated output	12V / 8A	12V / 8A	12V / 8.3A
Engine model	GXH50	GX100	GX160
Engine type	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
Displacement (cm³)	49.4	98.5	163
Bore x stroke (mm)	41.8 x 36.0	56.0 x 40.0	68.0 x 45.0
Engine speed (rpm)	4500 max	5000 max	4000 max
Cooling system	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor
Oil capacity (L)	0.25	0.4	0.53
Fuel tank capacity (L)	2.1	3.6	5.9
Operating time at rated	3h54	4h	3h50
Starter system	Recoil	Recoil	Recoil
Length (mm)	451	512	622
Width (mm)	242	290	379
Height (mm)	379	425	489
Dry weight (kg)	13	20.7	35.2
Sound pressure level at workstation (1m) – dB(A) (98/37/EC, 2006/42/EC)	70	71	74
Guaranteed sound power level (1m) – dB(A) (2000/14/EC, 2005/88/EC)	87	89	92

ENDURANCE GENERATORS



EC 3600	EC 5000	ECT 7000 *
CONDENSER	CONDENSER	INDUCTIVE
Single phase	Single phase	Single / Three phase
3600	5000	4000 / 7000*
3400	4500	3600 / 6500*
230/115v	230/115v	230 / 400*
50	50	50
15	19.5	16 / 9.5*
N/A	N/A	N/A
GX270T	GX390T1	GX390T1
4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
270	389	389
77.0 x 58.0	88.0 x 64.0	88.0 x 64.0
3000	3000	3000
Forced air	Forced air	Forced air
Transistor	Transistor	Transistor
1.1	1.1	1.1
5.3	6.2	6.2
2h25	2h17	2h13
Recoil	Recoil	Recoil
800	800	800
550	550	550
540	540	540
58	75	77
85	87	86
97	97	97

*Three phase 400 V3-.
**OHV – Overhead Valve.

GENERATOR
SPECIFICATIONS

MANOEUVRABLE HIGH-TECH
GENERATORS



ENDURANCE HIGH-PERFORMANCE
GENERATORS



ENDURANCE
HIGH-TECH GENERATORS



Model	EU 30is	EU 70is	EG 3600CL	EG 4500CL	EG 5500CL
Output technology	INVERTER	INVERTER	D-AVR	D-AVR	D-AVR
Type	Single phase	Single phase	Single phase	Single phase	Single phase
Maximum output (W)	3000	7000	3600	4500	5500
Rated output (W)	2800	5500	3200	4000	5000
Rated voltage (V)	230	230	230/115v	230/115v	230/115v
Rated frequency (Hz)	50	50	50	50	50
Rated current (A)	12.2	23.9	13.9	17.4	21.7
DC rated output	12V / 12A	N/A	N/A	N/A	N/A
Engine model	GX200	GX390	GX270T2	GX390T2	GX390T2
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 (cm³)	196	389	270	389	389
Bore x stroke (mm)	68.0 x 54.0	88.0 x 64.0	77.0 x 58.0	88.0 x 64.0	88.0 x 64.0
Engine speed (rpm)	3800 max	3600 max	3000	3000	3000
Cooling system	Forced air	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0.55	1.1	1.1	1.1	1.1
Fuel tank capacity (L)	13	19.2	24	24	24
Operating time at rated	7h06	6h30	12h	9h30	8h06
Starter system	Recoil and Electric start	Recoil and Electric start	Recoil	Recoil	Recoil
Length (mm)	658	Handle down: 848mm Handle up: 1,198mm	681	681	681
Width (mm)	482	700	530	530	530
Height (mm)	570	721	571	571	571
Dry weight (kg)	61.2	118.1	68	79.5	82.5
Sound pressure level at workstation (1m) – dB(A) (98/37/EC, 2006/42/EC)	74	75	79	81	82
Guaranteed sound power level (1m) – dB(A) (2000/14/EC, 2005/88/EC)	91	91	96	97	97

EM 4500CXS	EM 5500CXS
i-AVR	i-AVR
Single phase	Single phase
4500	5500
4000	5000
230/115v	230/115v
50	50
17.4	21.7
N/A	N/A
i-GX390	i-GX390
4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
389	389
88.0 x 64.0	88.0 x 64.0
3000	3000
Forced air	Forced air
Transistor	Transistor
1.1	1.1
23.5	23.5
9h36	8h
Recoil and Electric start	Recoil and Electric start
Handle down: 725 Handle up: 1047.5	Handle down: 725 Handle up: 1047.5
706	706
719	719
106.5	108.8
77	77
96	96

**OHV – Overhead Valve.
Note: all the generators run on Unleaded Petrol.



HONDA
Honda Power Equipment
celebrates 50 years of
producing innovative
generators. 1965 - 2015.



WATER PUMP TYPES

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 WMP 20 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 (WT 40). A quick clean-out port and easy maintenance features help to ensure long service life.

WATER PUMP USAGE

The wide range of Honda water pumps means there is a pump for all manner of applications. Use the chart on page 24 to select the right pump for your specific needs.

PERFORMANCE MEASUREMENT

All figures quoted are the guaranteed minimum performance that pump will produce.

ELEVATION HEIGHT

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

SUCTION HEAD (B)

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

+

DISCHARGE HEAD (C)

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

+

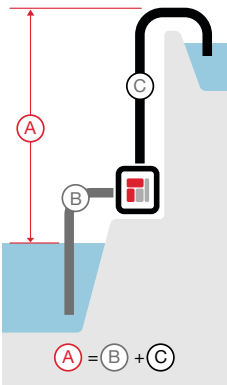
HEAD LOSS

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

=

TOTAL HEAD (A)

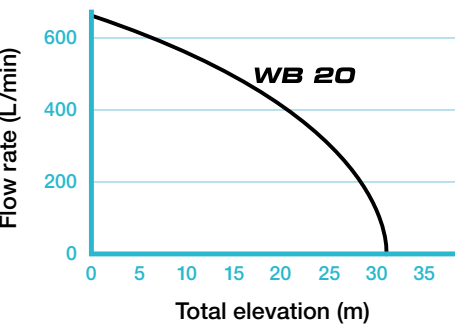
The total vertical height the pump can lift and discharge.



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 WB 20 example below. 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



PRESSURE

IMPELLER

VOLUTE

MECHANICAL SEAL

HONDA FEATURES AND TECHNOLOGIES

4 STROKE

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.



HIGH-EFFICIENCY IMPELLER

Unique Honda design results in optimal flow and efficiency.



WATER QUALITY EXAMPLES AND SUITABLE WATER PUMPS

[illegible]



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 wherever they are needed. A unique 360° lubrication system allows the WX 10 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.

LIGHTWEIGHT & HIGH PRESSURE
PERFORMANCE PUMPS
POPULAR USES

- Gardening
- Jetting
- Long-hose irrigation
- Fire fighting applications
- Dust suppression
- Transfer and drainage



WX 10



WX 15



WH 15[†]



WH 20^{†**}

For feature and technology
symbol glossary see page 24

For full water pump model
specifications see page 29

Max output capacity

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



140 litres/min

25/1-PF
36m
8m
3.6bar
6mm
0.55L
1h20 approx.
6.1kg
L 325 × W 220 × H 300



240 litres/min

40/1.5-PF
40m
8m
4.0bar
6mm
0.77L
1h30 approx.
9kg
L 325 × W 275 × H 375



400 litres/min

40/1.5-PF
50m
8m
5.0bar
3mm
2L
2h approx.
22kg
L 415 × W 360 × H 405



500 litres/min

50/2-PF
50m
8m
5.0bar
3mm
3.1L
2h30 approx.
27kg
L 520 × W 400 × H 450

[†]PF threads are functionally interchangeable with BSPP.
^{*}Oil Alert™ option available. ^{**}Frameless 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 the first to feature Honda's unique Optimized Impeller. This high efficiency impeller has been designed using CFD* to minimise energy loss within the pump and increase pumping performance. The cast iron volute and impeller provide 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. The number and shape of the blades has been optimised to limit energy loss and allow more water to be pumped for the same fuel consumption. Rubber mounts, at a 45° incline, ensure minimal vibration at high engine rpm. Quick-release bolts on the removable inspection cover make maintenance and clearing debris quick and simple.

HIGH FLOW RATE TRASH & CHEMICAL PUMPS POPULAR USES

- Pumping a wide range of chemicals and seawater
- Drainage pump for construction
- Drainage of water containing solids up to 31mm

*Computational Fluid Dynamics



WB 20⁺



WB 30⁺



WT 20⁺



WT 30⁺



WT 40⁺



WMP 20

For feature and technology symbol glossary see page 24
For full water pump model specifications see page 30

Max output capacity

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



620 litres/min

50/2-PF
32m
7.5m
3.2bar
6mm
2.0L
1h42 approx.
21kg
L 455 x W 365 x H 420



1100 litres/min

80/3-PF
23m
7.5m
2.8bar
6mm
3.1L
1h54 approx.
27kg
L 510 x W 385 x H 455



710 litres/min

50/2-PF
30m
8m
3.0bar
24mm
3.1L
2h50 approx.
47kg
L 620 x W 460 x H 465



1210 litres/min

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



1640 litres/min

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



833 litres/min

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

[†]PF threads are functionally interchangeable with BSPP.

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/inches - 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	4.0	5.0	5.0
Debris size capacity (mm)***	6	6	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 (cm³)	25	49	118	163
Bore × stroke (mm)	35.0 × 26.0	41.8 × 36.0	60.0 × 42.0	68.0 × 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	2.0	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 (1m) – dB(A) (98/37/EC, 2006/42/EC)	86	88	87	91
Guaranteed sound power level (1m) – dB(A) (2000/14/EC, 2005/88/EC)	102	103	104	106

HIGH FLOW RATE, TRASH AND CHEMICAL PUMPS

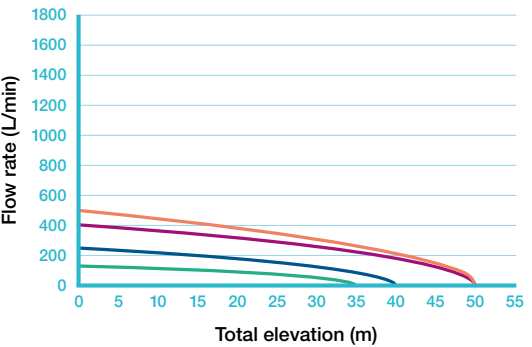


WB 20†	WB 30†	WT 20†	WT 30†	WT 40†	WMP 20
620	1100	710	1210	1640	833
50/2-PF	80/3-PF	50/2-PF	80/3-PF	100/4-PF	50/2-NPT
32	23	30	27	26	32
7.5	7.5	8	8	8	8
3.2	2.8	3.0	2.7	2.6	3.2
6	6	24	28	31	5
GX120	GX160	GX160	GX240	GX340	GX160
4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
118	163	163	242	337	163
60.0 × 42.0	68.0 × 45.0	68.0 × 45.0	74.0 × 58.0	82.0 × 64.0	68.0 × 45.0
3600 max	3600 max	3600 max	3600 max	3600 max	3600 max
2.6	3.6	3.6	5.3	7.1	3.6
Forced air	Forced air	Forced air	Forced air	Forced air	Forced air
Transistor	Transistor	Transistor	Transistor	Transistor	Transistor
0.6	0.6	0.6	1.1	1.1	0.6
2.0	3.1	3.1	5.3	6.1	3.1
1h42 approx.	1h54 approx.	2h50 approx.	2h10 approx.	2h approx.	2h15 approx.
Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
455	510	620	660	735	520
365	385	460	495	535	400
425	455	465	515	565	450
21	27	47	60	78	26
88	89	92	93	96	92
102	103	106	110	110	106

WATER PUMP
PERFORMANCE

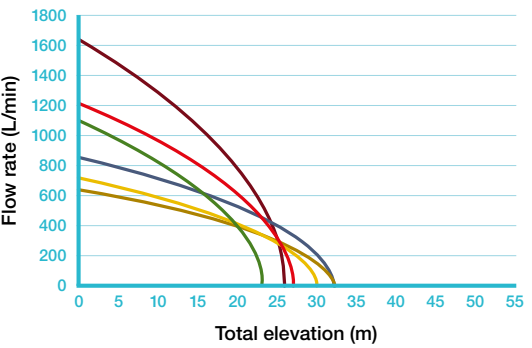
The colour-coded performance curves below show a direct comparison between the different water pumps. Each individual curve represents the flow rate vs. total elevation performance for each water pump.

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**

Note: All Honda water pumps run on Unleaded Petrol.
† PF threads are functionally interchangeable with BSPP. *Frameless option available. **OHV – Overhead Valve.
***Debris size shown is guide only. Pumps are not designed to pump debris continuously, take caution when pumping water that may include solids.



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

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.

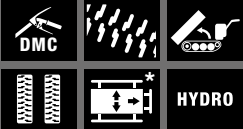
All models feature a deadman's clutch that disengages the drive when you let go, ensuring controllability and safety. The narrow width means access through a standard doorway is no problem and allows impressive manoeuvrability where space is limited.

The HP 500 model also features a hydrostatic drive system, for smoother forward and reverse operation.



HP 500

- Max load (level ground)
- Max load (sloping ground)
 - Max load height – level ground
 - Max forward speed
 - Max reverse speed
 - Max upward gradient
 - Max downward gradient
 - Engine model
 - Net power (SAE J1349)
 - Fuel tank capacity
 - Dry weight
 - Overall dimensions (mm)
 - Bed dimensions (mm)
 - Sound power level (2000/14/EC, 2005/88/EC)



- 500kg
- 350kg
 - 900mm
 - 4.3km/h
 - 3.6km/h
 - 25°
 - 25°
 - GX160
 - 3.6kW / 3,600rpm
 - 3.1L
 - 197kg
 - L 2140 × W 650 × H 1100
 - L 1200 × W 560 × H 200
 - 99dB(A)

KEY FEATURES AND TECHNOLOGY

- HYDRO
- HYDROSTATIC DRIVE
- Variable speed drive for smooth control and improved comfort.
- UNIQUE TRACK PATTERN
- Superb stability and traction for low ground-pressure and minimal surface damage.
- DMC
- DEADMAN'S CLUTCH
- Releasing the special handles stops the carrier for added safety and control.
- INDEPENDENT TRACK CONTROL
- Left and right tracks are controlled by separate levers for a small turning radius.
- ADJUSTABLE LOAD BED
- Expandable carrying bed for extra large loads.
- TILTING LOAD BED
- Fully tilting load bed allows for easy unloading.

*The HP 500 is available with or without the adjustable load bed.

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 power 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 or call **0845 200 8000***



▲ Robotic Lawnmower



▲ Lawnmowers



▲ Riding Mowers



▲ Brushcutters



▲ Versatool™



▲ Blowers



▲ Hedge Trimmers



▲ Tillers



▲ Snowthrowers



▲ Generators



▲ Pumps



▲ Power Carriers



▲ Outboard Engines

*Charged at local rates from landlines.

HONDA

AUTHORISED DEALER

SALES SERVICE EXPERTISE

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.

Generator	Water Pump	Generator & Water Pump
5	2	1
Year Warranty**	Year Warranty	Year Warranty
HONDA	HONDA	HONDA
Domestic Use	Domestic Use	Professional Use

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