







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.





WITH HONDA, THERE'S MORE TO POWER

With a Honda you will experience so much more when it comes to power. Clean 4-stroke engine technology that ensures highly efficient and quiet operation yet without compromising maximum performance. You'll find class-leading innovations to make your power equipment dependable, safe and easy to use. Furthermore, each and every Honda has our legendary 'built without compromise' quality. So, whenever and wherever you need power, for the everyday to the extreme, you'll find with Honda, there's more to power.

CONTENTS



04 GENERATORS



26 WATER PUMPS



38 POWER CARRIERS

SERVICE EXPERTISE

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 a Honda generator, reliability comes as standard.







tic Use Domestic U

Professional Us

Sales

for you and your needs.

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



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.



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.



OUR RANGE OF GENERATORS

Powered by our legendary commercial grade GX 4-stroke engine, Honda's innovative generators are designed to be your reliable source of high quality and dependable power. Developed to handle the harshest of environments and the most demanding of professional applications, they take on their tasks with reassuring ease and efficiency. Powerful, practical and easy to transport, it's clear to see why Honda generators are unrivalled.

CONTENTS

[?]

06 CHOOSING A GENERATOR



12 PORTABLE GENERATORS



14 MANOEUVRABLE HIGH-TECH GENERATORS



16 ENDURANCE GENERATORS



18 ENDURANCE HIGH PERFORMANCE GENERATORS



20 ENDURANCE HIGH-TECH GENERATORS



22 GENERATOR SPECIFICATIONS

GENERATOR USAGE

DOMESTIC USE

All domestic appliances are very sensitive to the quality of the electricity, unlike robust professional equipment. So Honda has developed high technology generators that produce good quality voltage and have a super-stable frequency. This allows your equipment to work at its maximum efficiency and ensure a long appliance life time.

Recommended products: Portable, Manoeuvrable High-tech.

LEISURE USE

Quiet, portable, and practical. For accessible power wherever and whenever you need it, Honda's cutting-edge technology has created incredibly compact, quiet and fuel efficient products.

Recommended products: Portable.

SEMI-PROFESSIONAL USE

For when you need basic electricity and a reliable product. Typical applications are powering robust industrial equipment and also emergency situations – where reliability is a priority.

Recommended products: Endurance.

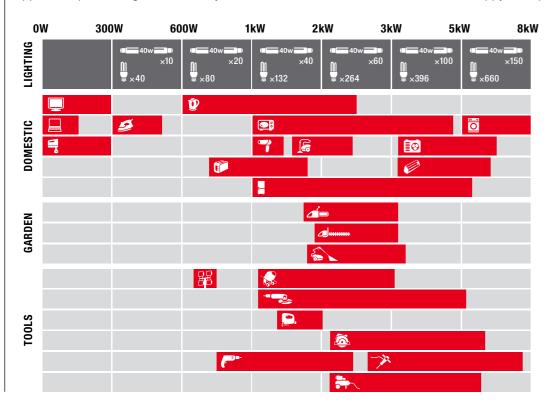
PROFESSIONAL USE

For those who need the best of the best. With Honda generators, powered by our world-renowned engines, you can expect a quality product. With generators, the quality of electricity can be difficult to gauge: you plug in your power tool, and it works. Professionals not only need a strong and durable generator, but also be assured that any appliance they plug in will perform to its maximum and not lose power. In the long-term, low quality electricity can damage and decrease the life-time of your tools.

Recommended products: Endurance High Performance, Endurance High-tech, Manoeuvrable High-tech.

POWER **REQUIREMENTS**

To determine which Honda generator is best suited to your application, refer to the individual appliance data plate for actual power specifications. See the chart below for a quick reference guide to typical application power ranges – or talk to your local Honda Authorised Dealer who will be happy to help.



APPLICATION **TYPE**

To determine which type of generator you need it is important to first identify the 'load' category your appliance falls into. There are three types of load:

RESISTIVE LOADS

Resistive loads are the simplest loads you can connect to a generator. They have a stable power consumption (extra start-up power is not needed). Application performance is also not dependent on the quality of the electricity output, i.e. the voltage waveform or frequency stability.

Examples of resistive loads include:

- Light bulb
- Toaster
- Electric heater

REACTIVE LOADS

Reactive loads contain an electric motor. Performance is highly dependent on the quality of electricity input, i.e. the voltage waveform quality and frequency stability. Poor electricity output generates vibration and therefore low electric motor performance. This means the motor cannot achieve maximum speed or torque, resulting in overheating and can ultimately shorten motor life.

In addition, reactive loads require additional power to start, but significantly less power to run once the motor gets going.

Examples of reactive loads include:

- Power tool
- Refrigerator / freezer
- Air conditioner

Items such as saws and drills are 'reactive loads' and while the running load may be small, the starting load can range from between 2x to 5x the running load.

ELECTRONIC LOADS

Electronic loads are from appliances containing electronics that are highly sensitive to the quality of electrical input. These appliances require stable electricity to operate correctly and consistently.

Examples of electronic loads include:

- Computer
- Television
- Hi-Fi

TYPE OF LOAD VS. OUTPUT TECHNOLOGY

The table below shows our recommended output technology ratings for each load type:

Type of load	Condenser	AVR	D-AVR	Cyclo Converter	Inverter
Resistive	Ш	Ш	Ш	Ш	Ш
Reactive	Ш	Ш	Ш	Ш	Ш
Electronic	IIII	Ш	IIIII	IIIII	Ш





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.

CYCLO CONVERTER



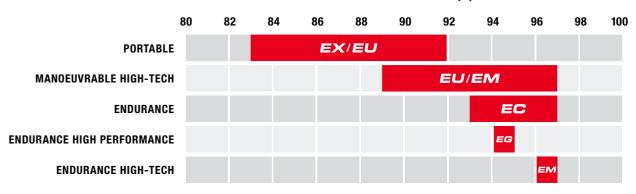
Honda's patented Cyclo Converter technology is based on Inverter technology, but uses a simplified electronic voltage control system. Cyclo Converter generators are compact and lightweight, giving higher quality electricity than AVR generators, as the electricity output is not directly linked to the 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 cuttingedge 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.

SOUND LEVEL - dB(A)



SOUND **LEVEL**

Most generators are labelled with a decibel rating. For every increase of 10 decibels, the sound level is 10x more powerful, but will only sound twice as loud to the ear. For example, a generator that runs at 100 decibels is twice as loud as a generator that runs at 90 decibels. However, Honda generators are renowned for their quiet operation.

The chart above shows comparative decibel noise level ranges for each Honda generator group.

Sound levels measured at workstation (EN809:1998/AC:2001).

PORTABLE AND COMPACT

Consider how you will be moving and storing the generator. If portability is a major issue, look for:

- Our portable EU10i, EU20i and EU30i generators
- Our professional portable EU26i, EU30is, EM65is and EU65is generators

Honda's clever output technology allows our generators to be made much smaller and lighter, so you can power your products wherever you go.



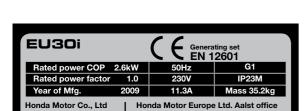


FUEL EFFICIENCY AND RUN-TIME

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.

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



Wijngaardveld 1 (Noord V), 9300 Aalst - BELGIUM

Honda Motor Co., Ltd

ito-ku, Tokyo, Japan

MAXIMUM POWER VS. **RATED POWER**

Generators are often advertised with their maximum power wattage. But you'll also see 'rated power' listed in their specifications. In general, use rated power to determine if a generator will be able to adequately power your applications continuously.

MAXIMUM POWER

The maximum output that a generator can produce over a short period.

RATED POWER

The power that a generator can produce for long periods of time, typically 90% of the maximum power.

TRUE POWER

Honda's generators are unique in that the model name labelling on our products is the actual maximum power output.

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.



LIGHTWEIGHT

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



EXTENDED RUN TIME

Model features a larger

fuel tank for longer

continuous operation.

lower operational noise.



LOW-NOISE DESIGN

Noise reducing muffler to



DC OUTPUT

Provides up to 12A

for battery charging

(optional cable required).

SUPER-QUIET

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



ELECTRIC START

Key operated electric start for effortless operation.

TRANSPORT WHEELS

Smooth and stable wheel

attachments allow a single user

to easily manoeuvre the unit.



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 industrystandard 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 EU10i, two EU20i, two EU30i, or two EU30is generators together to get as much as 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.







PURE PORTABLE POWER

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 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 EX or 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.





















EX 7*

EU 10i

EU 20i

EU 30i

For feature and technology symbol glossary see page 11

For full generator model specifications see page 22

Max output

(EN809:1998/AC:2001)

Rated output Fuel tank capacity Operating time at rated Dimensions (mm) Dry weight Noise level at workstation





L 451 × W 242 × H 379 12kg 70dB(A)





1000W 900W 2.1L

3h30

13kg

72dB(A)

L 451 × W 242 × H 379



2000W 1600W

4.1L 3h50

L 510 × W 290 × H 425

21kg 75dB(A)



3000W

2600W 5.9L

3h50

L 622 × W 379 × H 489

35kg 74dB(A)

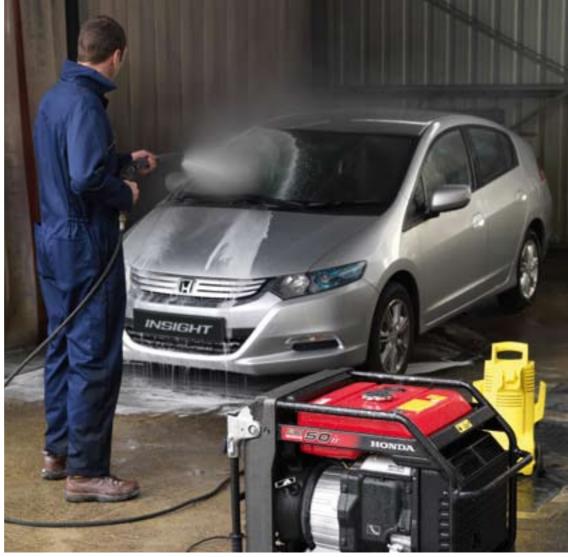












HIGH-OUTPUT **VERSATILITY**

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.















EU 26i

EU 30is

EM 50is*

EM 65is

EU 65is

For feature and technology symbol glossary see page 11

For full generator model specifications see page 24

Max output

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

Noise level at workstation (EN809:1998/AC:2001)

WARREN



2400W 13.3L

8h30

L 658 × W 447 × H 558

54kg 75dB(A)



3000W

2800W

13.3L

L 658 × W 447 × H 558

59kg 76dB(A)



5000W

4500W

16.5L 5h40

L 810 × W 666 × H 692

102kg 78dB(A)



6500W

5500W 16.5L

5h15

L 810 × W 666 × H 692

102kg 78dB(A)



6500W

5500W 16.5L

16.5L 5h15

L 850 × W 672 × H 699

115kg 75dB(A)

ALL YOU NEED TO GET THE JOB DONE

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, four-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. All EC generators offer dual voltage output with circuit breaker safety, ideal for running lower voltage power tools and standard voltage appliances from a single unit. The engine and alternator are rubber mounted within a powder-coated tubular steel frame for reduced vibration, increased protection and easy lifting.





























EC 2000

ECM 2800

EC 3600

EC 5000

ECT 7000*

ECMT 7000*

ECT 7000P*

For feature and technology symbol glossary see page 11

For full generator model specifications see page 23

Max output

(EN809:1998/AC:2001)

Rated output
Fuel tank capacity
Operating time at rated
Dimensions (mm)
Dry weight
Noise level at workstation





3.3L 2h50

L 585 × W 435 × H 440

36kg 84dB(A)



84dB(A)

L 645 × W 435 × H 490 50kg



3600W 3400W***

5.3L 3h

L 800 × W 550 × H 540

58kg 85dB(A)



5000W 4500W

6.2L 2h50

2h50 L 800 × W 550 × H 540

75kg 87dB(A)



4000W / 7000W****

3600W / 6500W****

6.2L

2h15

L 800 × W 550 × H 540

77kg 86dB(A)



4000W / 7000W****

3600W / 6500W****

22.8L 8h10

L 755 × W 550 × H 560

104kg 85dB(A)



4000W / 7000W****

3600W / 5200W****

6.2L 2h15

L 800 × W 550 × H 540 86kg

87dB(A)

Photography shown for model illustration only.
See specification for your country-specific plug configurations.











NEW GENERATION POWER STABILITY

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 centralized layout of all controls ensures the EG range of generators are highly versatile but simple to use.

NEW RANGE











EG 3600 EG 4500

EG 5500

For feature and technology symbol glossary see page 11

For full generator model specifications see page 25

Max output

(EN809:1998/AC:2001)

Rated output
Fuel tank capacity
Operating time at rated
Dimensions (mm)
Dry weight
Noise level at workstation



3600W

3200W 24L 12h L 681 × W 530 × H 570 71kg 84dB(A)



4500W* 4000W

24L 9h30 L 681 × W 530 × H 570 79kg 85dB(A)



5500W*

5000W 24L 8h10 L 681 × W 530 × H 570 83kg 85dB(A)











PROFESSIONAL CONTROLLED POWER

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.

The Automatic Voltage Regulator (AVR) technology on our larger EM models is designed to keep the output voltage more constant and less dependent on the load. Power regulation is electronically controlled, which allows for better voltage and frequency stability. AVR technology significantly enhances the performance and operating life time of reactive load applications.

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.













EM 30*

EM 3100*

EM 4500

EM 5500

For feature and technology symbol glossary see page 11

For full generator model specifications see page 25

Max output

(EN809:1998/AC:2001)

Rated output
Fuel tank capacity
Operating time at rated
Dimensions (mm)
Dry weight
Noise level at workstation



3000W

2600W 9.7L 6h L 445 × W 402 × H 480 32kg 79dB(A)



3100W

2800W 23.5L 12h30 L 681 × W 530 × H 546 75kg 78dB(A)



4500W

4000W 23.5L 9h15 L 681 × W 530 × H 546 88kg 80dB(A)



5500W

5000W 23.5L 6h30

L 681 × W 530 × H 546

90kg 80dB(A)



PORTABLE GENERATORS









Model	EX 7*	EU 10i	EU 20i	EU 30i	
Output technology	CYCLO CONVERTER	INVERTER 🔨	INVERTER 🔨	INVERTER 🔨	
Туре	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	8.7	11.3	
DC rated output	12V/6A	12V/8.3A	12V/8.3A	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	49	98	163	
Bore × stroke (mm)	41.8 × 36.0	41.8 × 36.0	56.0 × 40.0	68.0 × 45.0	
Engine speed (rpm)	4,500 max	4,500 max	5,000 max	4,000 max	
Cooling system	Forced air	Forced air	Forced air	Forced air	
Ignition system	Transistor magneto	Transistor magneto	Transistor magneto	Transistor magneto	
Oil capacity (L)	0.25	0.25	0.4	0.53	
Fuel tank capacity (L)	2.1	2.1 4.1		5.9	
Operating time at rated	5h50	3h30	3h50	3h50	
Spark plug	CR4HSB (NGK) U14FSR-UB (DENSO)	CR4HSB (NGK) U14FSR-UB (DENSO)	CR5HSB (NGK)	BPR6ES (NGK) W20EPR-U (DENSO)	
Starter system	Recoil	Recoil	Recoil	Recoil	
Length (mm)	451	451	510	622	
Width (mm)	242	242	290	379	
Height (mm)	379	379	425	489	
Dry weight (kg)	12	13	21	35	
Sound pressure level at workstation – dB(A) (EN809:1998/AC:2001)	70	72	75	74	
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	83	87	89	92	

^{*}Not available in UK. **OHV - Overhead Valve.

ENDURANCE GENERATORS















EC 2000	ECM 2800	EC 3600	EC 5000	ECT 7000*	ECMT 7000*	ECT 7000P*
CONDENSER -	CONDENSER	CONDENSER -	CONDENSER -	INDUCTIVE -	INDUCTIVE -	INDUCTIVE -
Single phase	Single phase	Single phase	Single phase	Single / Three phase	Single / Three phase	Single / Three phase
2000	2800	3600	5000	4000 / 7000	4000 / 7000	4000 / 7000
1700	2500	3400	4500	3600 / 6500	3600 / 6500	3600 / 5200
230 / 115	230 / 115***	230 / 115***	230 / 115	230 / 400	230	230 / 400
50	50	50	50	50	50	50
7.5 / 15	11 / 16	15 / 16	19.5 / 39	16 / 9.5	16 / 9.5	16 / 9.5
N/A						
GX160	GX200	GX270	GX390	GX390	GX390	GX390
4-stroke, OHV,** 1 cylinder						
163	196	270	389	389	389	389
68.0 × 45.0	68.0 × 54.0	77.0 × 58.0	88.0 × 64.0	88.0 × 64.0	88.0 × 64.0	88.0 × 64.0
3,000	3,000	3,000	3,000	3,000	3,000	3,000
Forced air	Fan					
Flywheel magneto	Transistor magneto	Flywheel magneto	Flywheel magneto	Transistor magneto	Flywheel magneto	Transistor magneto
0.6	0.6	1.1	1.1	1.1	1.1	1.1
3.3	14.2	5.3	6.2	6.2	22.8	6.2
2h50	9h	3h	2h50	2h15	8h10	2h15
BPR6ES (NGK) W20EPR-U (DENSO)						
Recoil						
585	645	800	800	800	755	800
435	435	550	550	550	550	550
440	490	540	540	540	560	540
36	50	58	75	77	104	86
84	84	85	87	86	85	87
93	95	95	96	96	96	97

^{***115}V is set-up with a 16A plug according to current plug standards. Maximum output is 1840W in this configuration.

MANOEUVRABLE HIGH-TECH GENERATORS



Model	EU 26i	EU 30is	EM 50is*	EM 65is	EU 65is
Output technology	INVERTER 🔨	INVERTER 🔨	INVERTER 🔨	INVERTER 🔨	INVERTER 🖴
Туре	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				
Displacement (cm³)	163	196	337	389	389
Bore × stroke (mm)	68.0 × 45.0	68.0 × 54.0	82.0 × 64.0	88.0 × 64.0	88.0 × 64.0
Engine speed (rpm)	3800 max	3800 max	3600 max	3600 max	3600 max
Cooling system	Forced air				
Ignition system	Transistor magneto	Transistor magneto	Full transistor	Full transistor	Full transistor
Oil capacity (L)	0.6	0.6	1.1	1.1	1.1
Fuel tank capacity (L)	13.3	13.3	16.5	16.5	16.5
Operating time at rated	8h30	8h	5h40	5h15	5h15
Spark plug	BPR5ES (NGK) W16EPR-U (DENSO)				
Starter system	Recoil	Recoil	Recoil and Electric start	Recoil and Electric start	Recoil and Electric start
Length (mm)	658	658	810	810	850
Width (mm)	447	447	666	666	672
Height (mm)	558	558	692	692	699
Dry weight (kg)	54	59	102	102	115
Sound pressure level at workstation – dB(A) (EN809:1998/AC:2001)	75	76	78	78	75
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	90	91	96	97	89

*Not available in UK. **OHV – Overhead Valve.

Note: all the generators run on Unleaded Petrol.

ENDURANCE HIGH PERFORMANCE GENERATORS











ENDURANCE HIGH-TECH GENERATORS







EG 3600	EG 4500	EG 5500
D-AVR ✓✓		D-AVR ✓✓
Single phase	Single phase	Single phase
3600	4500	5500
3200	4000	5000
230/115	230/115***	230/115***
50	50	50
13.9/27.8	17.4/34.8	21.7/43.5
N/A	N/A	N/A
GX240	GX340	GX390
4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder	4-stroke, OHV,** 1 cylinder
242	337	389
73.0 × 58.0	82.0 × 64.0	88.0 × 64.0
3,000	3,000	3,000
Forced air	Forced air	Forced air
Transistor magneto	Transistor magneto	Transistor magneto
1.1	1.1	1.1
24	24	24
12h	9h30	8h10
BPR5ES (NGK) W16EPR-U (DENSO)	BPR5ES (NGK) W16EPR-U (DENSO)	BPR5ES (NGK) W16EPR-U (DENSO)
Recoil	Recoil	Recoil
681	681	681
530	530	530
570	570	570
71	79	83
84	85	85
94	95	95

^{***115}V is set-up with a 16A plug according to current plug standards. Maximum output is 1840W in this configuration.



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.

CONTENTS



28 CHOOSING A WATER PUMP



32 LIGHTWEIGHT AND HIGH PRESSURE PUMPS



WE/WT 34 HIGH FLOW RATE, TRASH AND CHEMICAL PUMPS



36 WATER PUMP SPECIFICATIONS

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, yet still perfectly suited to pumping drinkable water.

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.

+

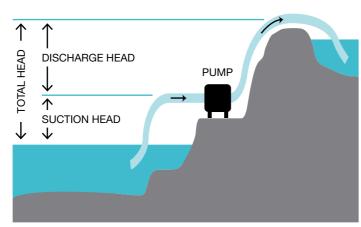
DISCHARGE HEAD

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.



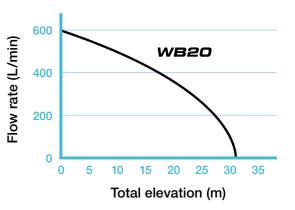
WATER QUALITY EXAMPLES AND SUITABLE WATER PUMPS

	WX10	WX15	WH15	wH20	WB20	WB30	WT20	wrso	WT40	WMP20
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 x Head (in meters). 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 disk 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

or be stored at any incline without damage.



Allows the pump to operate Super-compact and lightweight



LIGHTWEIGHT AND PORTABLE

with integral carry handle for easy transporting and storage.



CHEMICAL

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.









PERFORMANCE UNDER PRESSURE

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 pump 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 31

For full water pump model specifications see page 36

Max output capacity

Inlet/outlet diameter Total head Suction head Pressure Debris size capacity Fuel tank capacity Operating time

Dimensions (mm)



140 litres/min

25.4mm (1") 36m 7m

L 325 × W 220 × H 300

3.6bar 5.7mm 0.55L

1h20 approx Dry weight 6.1kg

240 litres/min

38.1mm (1.5")

40m 8m

4bar

5.7mm 0.77L

1h30 approx

9kg L 325 × W 275 × H 375



435 litres/min

38.1mm (1.5")

50m

8m 5bar

3mm 2L

2h approx 22kg

L 415 × W 360 × H 405



500 litres/min

50.8mm (2")

50m

8m

5bar

3mm

3.6L

2h30 approx 27kg

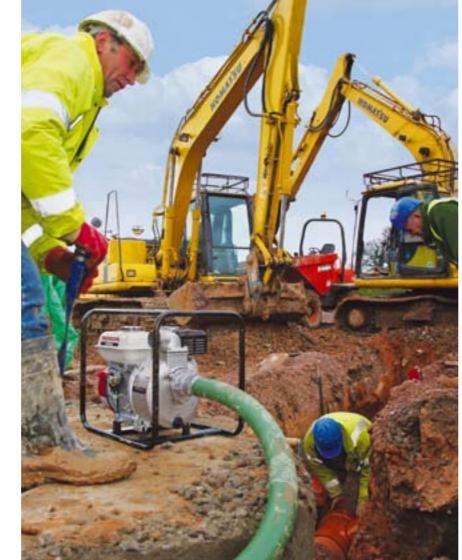
L 520 × W 400 × H 450

LARGE VOLUME AND TRASH PERFORMANCE

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*

1,210 litres/min

L 660 × W 495 × H 515

WT 40*

WMP 20*

For feature and technology symbol glossary see page 31

For full water pump model specifications see page 37

Max output capacity Inlet/outlet diameter

Total head Suction head Pressure Debris size capacity Fuel tank capacity Operating time Dry weight

Dimensions (mm)



600 litres/min

50.8mm (2") 32m 8m 3.2bar 6mm 2.5L 2h50 approx 21kg

L 455 × W 365 × H 420



1100 litres/min

27kg

76.2mm (3") 28m 8m 2.8bar 6mm 3.6L 2h50 approx

L 510 × W 385 × H 455



710 litres/min

L 620 × W 460 × H 465

30m

8m

3bar

3.6L

47kg

24mm

50.8mm (2") 76.2mm (3") 27m 8m 2.7bar 28mm 5.3L 2h50 approx 2h10 approx 60kg



1,640 litres/min

101.6mm (4") 26m 8m 2.6bar 31mm 6.1L 2h approx 78kg

L 735 × W 535 × H 565



833 litres/min

50.8mm (2") 32m

8m

3.2bar

5mm 3.6L

2h15 approx 26kg

L 520 × W 400 × H 450

LIGHTWEIGHT AND HIGH PRESSURE PUMPS



Model	WX 10	WX 15*	WH 15*	WH 20
Maximum output capacity (L/min)	140	240	435	500
Inlet/outlet diameter (mm)	25.4 (1")	38.1 (1.5")	38.1 (1.5")	50.8 (2")
Total head (m)	36	40	50	50
Suction head (m)	7	8	8	8
	3.6	4	5	5
Pressure (bars)				
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 (cm³)	25	49	118	163
Bore × stroke (mm)	35 × 26	41.8 × 36	60 × 42	68 × 45
Engine speed (rpm)	7,000 max	7,000 max	3,600 max	3,600 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	Transistorised magneto	Transistorised magneto	Transistorised magneto	Transistorised magneto
Oil capacity (L)	0.1	0.25	0.6	0.6
Fuel tank capacity (L)	0.55	0.77	2	3.6
Operating time	1h20 approx	1h30 approx	2h approx	2h30 approx
Spark plug	CM5H/CMR5H (NGK)	CR5HSB (NGK)	BPR6ES (NGK)	BPR6ES (NGK)
Starter system	Recoil	Recoil	Recoil	Recoil
Longith (man)	205	205	415	500
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) (EN809:1998/AC:2001)	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 CHEMCIAL PUMPS



WB 20

600

50.8 (2")

32

3.2

GX120

1 cylinder

118

 60.0×42.0

3,600 max

2.6

Forced air

Transistorised

magneto

0.6

2.5

2h50 approx

BPR6FS

(NGK)

Recoil

455

365

420

21

85

101



WB 30

1,100

76.2 (3")

28

8

2.8

6

GX160

4-stroke, OHV,** 4-stroke, OHV,** 4-stroke, OHV,**

1 cylinder

163

 68.0×45.0

3,600 max

3.6

Forced air

Transistorised

magneto

0.6

3.6

2h50 approx

BPR6FS

(NGK)

Recoil

510

385

455

27

88

106



WT 20*

710

50.8 (2")

30

3

24

GX160

1 cylinder

163

 68.0×45.0

3,600 max

3.6

Forced air

Transistorised

magneto

0.6

3.6

2h50 approx

BPR6FS

(NGK)

Recoil

510

385

455

27

92

106



WT 30*

1,210

76.2 (3")

27

2.7

28

GX240

1 cylinder

242

 74.0×58.0

3,600 max

5.3

Forced air

Transistorised

magneto

1.1

5.3

2h10 approx

BPR6FS

(NGK)

Recoil

660

495

515

60

93

110



WT 40*

1,640

101.6 (4")

26

8

2.6

31

GX340

4-stroke, OHV,** 4-stroke, OHV,** 4-stroke, OHV,**

1 cylinder

337

 82.0×64.0

3,600 max

7.1

Forced air

Transistorised

magneto

1.1

6.1

2h approx

BPR6FS

(NGK)

Recoil

735

535

565

78

96

110



833

50.8 (2")

32

8

3.2

5

GX160

1 cylinder

163

 68.0×45.0

3,600 max

3.6

Forced air

Transistorised

magneto

0.6

3.6

2h15 approx

BPR6FS

(NGK)

Recoil

520

400

450

26

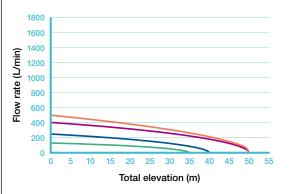
85

101

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.

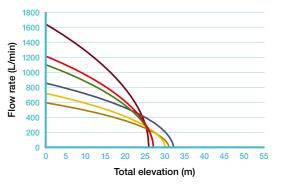
LIGHTWEIGHT AND HIGH PRESSURE PUMP PERFORMANCE CURVES



Product key:

WX10 WX15 WH15 WH20

HIGH FLOW RATE, TRASH AND CHEMICAL PUMP PERFORMANCE CURVES



Product key:

WB20 WB30 WMP20 WT20 WT30 WT40



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.

CONTENTS



40 POWER CARRIERS

KEY FEATURES **AND TECHNOLOGY**



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.



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.



TILTING LOAD BED

Fully tilting load bed allows for easy unloading.

*Not available in UK.









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.









HP 350*

HP 450*

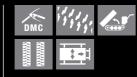
HP 500

For feature and technology symbol glossary see page 39

Max payload (level ground)

Max payload (max gradient) 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)

Noise level



350kg 150kg

900mm

3.5km/h

1.3km/h 15°

15° GXV160

3,600rpm 1.4L

149kg

L 1,720 × W 635 × H 1,015 L 920 × W 520 × H 135 97dB(A)



450kg

250kg 900mm

3.5km/h

1.3km/h 15°

15° GXV160 3,600rpm

1.4L 181kg

98dB(A)

L 1,900 × W 635 × H 1,055 L 1,100 × W 520 × H 180

500kg

350kg

900mm 4.3km/h

3.6km/h 25°

15° GX160

3,600rpm 3.1L

197kg L 2,140 × W 650 × H 1,100 L 1,200 × W 560 × H 200

99dB(A)

















At Honda, we believe in the power of our dreams. They are central to our engineering philosophy. They inspire us to create innovative products that help people perform jobs at work and at home. To improve the quality of life.

As Honda prepares for a low-carbon future, realising the potential of these dreams is key. We are committed to the future preservation of the global environment. Therefore we are continually enhancing the 4-stroke engine technology as used in all our power products to be cleaner, quieter and more fuel efficient. We have developed the CR-Z, a petrol-electric hybrid that challenges convention by being high on exhilaration but low on emissions. We have even incorporated many innovative technological advances into the HondaJet to achieve one of the best fuel and aerodynamic efficiency ratings in its class.

It all goes to show, that with Honda, when you dream, anything's possible.





GENERATOR COVERS

HONDA GENUINE **ACCESSORIES**

To get the most from your Honda products we produce a range of optional accessories for certain models, including wheel kits, hanger kits, output cables and covers.

All of our accessories meet the highest level of build quality, with great attention to detail, making our genuine accessories just as good as the products themselves. At Honda everything we do, goes into everything we do.

Ask your Honda Authorised Dealer for further information.







OUTPUT **CABLES**







EU10i parallel operation cables

Whilst efforts are made to ensure specification accuracy, brochures are prepared and printed several months in advance of distribution and consequently cannot always immediately reflect either changes in specification or in some isolated cases the provision of a particular feature. Customers are advised to discuss specific details with the supplying Dealer, especially if a selection is dependent upon one of the features advertised.