ENGINEERING FOR *Life*

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HONDA

Generators
Water Pumps
Power Carriers

When we designed our range of industrial products we looked at your life from every angle.

Over 30 years of innovation, testing and refining has given our industrial products a global reputation for reliability and efficiency. In fact, everything we learn from everything we do goes into their development, allowing us to create new technologies and new ways of solving problems. So it's not just clever engineering, it's **ENGINEERING FOR** *Life*

CONTENTS

How to choose your generator

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 applications – or talk to your local Honda authorised dealer who will be happy to help.

GENERATORS EQUIPPED WITH ELECTRIC START AND AUTO CHOKE
For home/office back up special consideration should be made when selecting a generator. Generators equipped with both electric start and auto-choke are required for fully automatic mains failure systems. Other generators will require the operator to visit the generator to start/stop the unit. In both cases please only use qualified electricians for installation.

SOUND LEVEL
Honda generators provide one of the quietest sources of portable power available. The chart below compares the noise level of Honda generators to a variety of common sounds we're exposed to every day.

60	Normal speech	90	Hair dryer
70	Vacuum cleaner	100	Heavy traffic
80	Inside a car at 50 mph	110	Chainsaw

OPEN FRAME SERIES 3-PHASE
3-phase generators offer superior capacity for peak current during the starting of electric motors.

				INVERTER SERIES				OPEN FRAME SERIES				SPECIALIST OPEN FRAME SERIES				
				INVERTER	INVERTER	INVERTER	INVERTER	AVR	CONDENSER	CONDENSER	INDUCTIVE	D-AVR	D-AVR	D-AVR	CYCLO CONVERTER	i-AVR
	Continuous power (W)			900	1.800	2.800	5.500	2.000	3.400	4.500	3.600/6.500	3.200	4.000	5.000	2.600	5.000
	Sound power level (2000/14/EC, 2005/88/EC)			87	90	91	91	94	97	97	97	96	97	97	96	96
	Typical Applications*	Application Continuous Rating (W)**	Indicative Start-up Load (W)**	EU 10i	EU 22i	EU 30is	EU 70is	EM 2300	EC 3600	EC 5000	ECT 7000	EG 3600CL	EG 4500CL	EG 5500CL	EM 30	EM 5500CXS
CAMPING - CARAVANING LEISURE	Portable TV	250	-	●	●	●	●									
	Portable Fridge	110+	300+	●	●	●	●									
	Travel Kettle	650+	-	●	●	●	●									
	Hair Dryer	1.000+	-		●	●	●									
	Portable Microwave	600+	1.600+		●	●	●									
	Portable Fan	40+	100+	●	●	●	●									
	Laptop/PC	20+	100+	●	●	●	●									
	Portable Heater	1.500+	-		●	●	●									
	Caravan Air Conditioner	2.600+	-			●	●									
	Battery Charging	100+	-	●	●	●									●	
GARDEN	Lawnmower	1.100+	2.500+			●	●									
	Strimmer	350+	1.000+		●	●	●									
	Hedgetrimmer	500+	1.200+	●	●	●	●									
	Shredder	2.000+	2.600+			●	●								●	
	Garden Vac/Blower	2.000+	2.600+			●	●								●	
	Chainsaw	1.800+	2.600+			●	●								●	
	Pressure Washer	2.100+	3.000+				●		●	●				●		●
HOME / OFFICE BACK UP	Fridge/Freezer	500+	1.500+		●	●	●	●							●	●
	Central Heating Pump	300+	500+	●	●	●	●	●							●	●
	Plasma TV	300+	900+	●	●	●	●									●
	Desktop Computer	320+	700+	●	●	●	●									●
	Computer Printer	150+	-	●	●	●	●									●
	Photocopier Machine	1.600+	1.800+			●	●									●
	Portable Air Conditioner	3.000+	5.000+				●									●
PROFESSIONAL	Jigsaw	400+	1.100+		●	●	●	●	●	●		●	●	●	●	●
	Compressor	2.000+	6.000+								●					
	Welder	3.500+	5.500+				●				●					
	Concrete Mixer	850+	2.975+						●	●	●	●	●	●		●
	Submersible Pump	500+	-	●	●	●	●	●	●	●	●	●	●	●	●	●
	Hammer Drill	800+	-	●	●	●	●	●	●	●	●	●	●	●		●
	Table Saw	1.500+	3.000+				●		●	●	●	●	●	●		●
	Angle Grinder	900+	-		●	●	●	●	●	●	●	●	●	●	●	●
	Industrial Fan/Blower	2.000+	-			●	●	●	●	●	●	●	●	●	●	●
	Concrete Breaker	850+	2.500+			●	●		●	●	●	●	●	●	●	●
	Circular Saw	1.500+	-		●	●	●	●	●	●	●	●	●	●	●	●
LIGHTING	Candescent	25+	-	●	●	●	●	●	●	●	●	●	●	●	●	●
	Halogen Spotlights Domestic	75+	-	●	●	●	●	●	●	●	●	●	●	●	●	●
	Fluorescent	8-100	-	●	●	●	●									●
	Energy Saving Bulb	12-33	-	●	●	●	●	●	●	●	●	●	●	●	●	●
	Professional Tungsten	100+	-	●	●	●	●									●
	Halogen Spotlights	150-500	-	●	●	●	●	●	●	●	●	●	●	●	●	●

*When powering multiple applications ensure that the total power required does not exceed the generators rated output (please consider both running loads and start up loads).

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

Honda generator benefits

Keep it 100% Honda

Honda generators have an enviable reputation throughout the world, they are trusted to work wherever and whenever they are needed. Every part of our generators, including our legendary engines, has been designed and built to be as robust and reliable as possible. So wherever you are, campsite, building site, outdoor event or at home, you can rely on your Honda generator to provide you with the power you need, just when you need it.

Every Honda generator is backed up by an extensive network of Honda Power Products dealers, who will always be happy to provide more information or advice.

Inverter innovation

Honda were first to develop generators with the ability to power sensitive electronics. Our Inverter technology regulates surges of raw power and evens them out to the same high quality electricity as outlets from your home. Our Inverter range can produce 1.000 W to 7.000 W of portable power, enough to run anything from a laptop to a cottage.

Honda 4-Stroke

Our powerful 4-Stroke engines are remarkably fuel efficient and reliable, which means fewer fill-ups and reduced maintenance costs throughout their working life. With lower emissions and lower noise levels than standard 2-Stroke engines, they give a cleaner, more efficient and quieter working environment.

Quiet running

We have gone to great lengths to make sure our portable generators are as quiet and unobtrusive as possible. Which is why they feature our exhaust and muffler technology, giving them exceptionally low noise ratings.

Choose your accessories

A full range of accessories is available for all our generators, from a protective cover, wheels kit, parallel cable and battery tenders. Some units, like our EU 70is and EM 5500, can also be equipped with an APC Universal Transfer Switch, which automatically manages your home's power, switching it from utility to generator as needed (after blackout from storm or huge snow fall for instance).

Generator key features

We have created a series of icons to represent our innovations, features and technologies. They can be found throughout the brochure making it easy for you to compare models and choose the right generator.

PERFORMANCE

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

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

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

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

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

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

Electric Start
Key operated electric start for effortless operation.

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

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

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

Extended Run Time
Model features a larger fuel tank for longer continuous operation.

3-Phrase Power Output
Variable power output options for single-phase or three-phase applications.

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

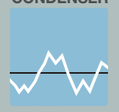
Auto Throttle
Automatically reduces the engine speed when appliances are turned off or disconnected. Engine returns to rated speed when appliances are turned on or reconnected.

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

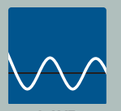
Parallel Operation
Parallel operation capability is an additional benefit of Inverter technology. Using Honda Genuine Parallel Operation cables, you can link two generators together to get as much as double the output of a single unit. This gives you extra power when you need it, without having to trade up to a larger, heavier generator. Note: you can only parallel link two identical units together.

The right power output for the job

Whatever load you are plugging in, a high quality electricity output will enhance the lifetime 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:

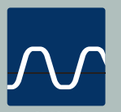


Condenser/Inductive
Condenser or inductive generators are the most popular in the industry. The simplicity of technology makes these generators cost effective and reliable. Ideally suited for applications with resistive loads.



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.

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.



Cyclo Convertor
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.

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.

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.

Lightweight | Oil Alert | DC Output | Super-quiet | ECO-Throttle™ | Parallel operation

Inverter series

Power to Go

Compact and quiet, with the ability to power even the most sensitive electronic equipment, our Inverter range is trusted by professional and private users throughout the world.

Lightweight

Ultra-lightweight materials such as magnesium are used in our compact range, enabling power to be accessed in the remotest places. An integral and ergonomically designed handle allows them to be easily carried.

Comfortable

Ultra-quiet, our portable range have specially designed acoustically insulated casings and an advanced exhaust muffler system, which drastically reduces noise. Low fuel consumption, on the other hand, not only makes our compact range highly cost effective, it ensures longer working times without the need for refuelling.

Reliable

Robust, sturdy and reliable, our compact EU generators are easy to start and restart, always ready with power exactly where you need it. They are unique in their ability to deal with surges in power demand, thanks to their Inverter technology, essential for use with sensitive electronic devices.

EU 10i

EU 22i

Parallel operation allows two generators to be linked to double the output of a single unit

Portability allows for easy transport and storage

SPECIFICATION

	EU 10i INVERTER	EU 22i INVERTER
MAX OUTPUT	1.000 W	2.200 W
ENGINE	GXH 50	GXR 120
STARTER SYSTEM	Recoil	Recoil
WEIGHT	13,0 kg	21,1 kg

Images for illustration purposes only.

Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

Inverter series

Fuel Injection Engine* | i-Monitor* | Auto-Choke** | DC Output** | Oil Alert | Transport Wheels | Super-quiet | Electric Start | ECO-Throttle™ | Parallel operation

*EU 70is models only.
**EU 30is models only.

SPECIFICATION

	EU 30is INVERTER	EU 70is INVERTER
MAX OUTPUT	3.000 W	7.000 W
ENGINE	GX 200	GX 390
STARTER SYSTEM	Electric	Electric
WEIGHT	61,2 kg	118,1 kg

Easy manoeuvrability means 118 kg has never been so easy to move

Press the button to start the engine

High power on demand

Perfect for home/office back up or outdoor events, these models can operate a wide variety of appliances with a high quality, clean electricity supply.

EU 30is

EU 70is

Compact high performance

The Honda GX engine generates strong, stable and clean power thanks to our unique Honda Inverter technology. The range is also extremely manoeuvrable, with well positioned handles and tough wheels.

Comfort

These Inverter generators may be powerful, but with Honda's exhaust and muffler technology, they are also extremely quiet. A large fuel tank combined with our fuel efficient engine, allows more than 6 hours of uninterrupted running time, even under high power. Both models feature electric start and a fuel gauge as standard.

Fuel Injected EU 70is

The EU 70is is the only Inverter generator equipped with a fuel injection engine, which provides better fuel efficiency, easy starting, lower maintenance and the same level of performance even if used at altitude.

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

Open frame series†

Oil Alert | Transport Wheels* | Enhanced Anti-Vibration System | 3-Phase Power Output** | Extended Run Time***

*Optional wheel kit available.
**ECT 7000 and ECMT 7000 models only.
***ECMT 7000 model only.

SPECIFICATION

	EM 2300 AVR	EC 3600 CONDENSER	EC 5000 CONDENSER	ECT 7000Δ INDUCTIVE
MAX OUTPUT	2.300 W	3.600 W	5.000 W	7.000 W 3-Phase
ENGINE	GX 160	GX 270	GX 390	GX 390
STARTER SYSTEM	Recoil	Recoil	Recoil	Recoil
WEIGHT	40,0 kg	58,0 kg	75,0 kg	77,0 kg

EM 2300

EC 3600

EC 5000

ECT 7000

ECMT 7000

ΔECMT 7000 available with a larger fuel tank and wheel kit.

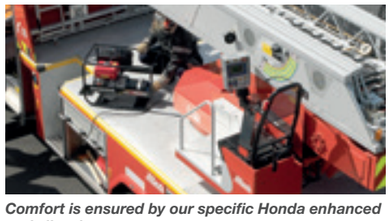
Images for illustration purposes only.

Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

†Available while stocks last.

Ready for work

EC generators are tireless workhorses – made tough for tough environments and the first choice for heavy outdoor use and hire companies.



Comfort is ensured by our specific Honda enhanced anti vibration system

All EC generators are fitted with an Oil Alert system

Sturdiness

Our EC generators are robust, dependable and require minimal maintenance. They are powered by our easy-starting, commercial grade, 4-Stroke GX engines and protected by a super-strong steel frame, ready to deal with the harsh conditions of a work site. An optional wheel kit is available to improve mobility.

Comfort and regulation compliant

The engines are mounted onto our unique rubber shock absorbers, which are positioned either side of the engine at 45°, significantly reducing the engine vibration of an already quiet machine. All our generators respect the tightest European regulations for noise, emissions and insulation and are trusted by professionals around the world.

3-Phase power output generator

Honda 3-Phase generators supply a constant level of power which is ideal for use with resistive loads like compressors, welders or concrete breakers. As well as the ECT 7000, the ECMT 7000 is also available which features a bigger fuel tank to maximise working time, and a wheel kit.

New EM 2300 AVR generator

The new EM 2300 generator is for general construction use. It offers a very good voltage and frequency stability through AVR technology and features Oil Alert and extended run time (more than 9h 40). To match with professional needs, the machine is fitted with an hour meter for when the next service is due.

Oil Alert | Transport Wheels* | Extended Run Time | Enhanced Anti-Vibration System

*Optional wheel kit available.

Specialist open frame series

SPECIFICATION

EG 3600CL DIGITAL AVR	EG 4500CL DIGITAL AVR	EG 5500CL DIGITAL AVR
MAX OUTPUT	MAX OUTPUT	MAX OUTPUT
3.600 W	4.500 W	5.500 W
ENGINE	ENGINE	ENGINE
GX 270	GX 390	GX 390
STARTER SYSTEM	STARTER SYSTEM	STARTER SYSTEM
Recoil	Recoil	Recoil
WEIGHT	WEIGHT	WEIGHT
68,0 kg	79,5 kg	82,5 kg

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

Long run generators

Perfect for the most demanding commercial and rental applications, the EG range has been designed and built for professional use to deliver robust, reliable, efficient power.

The EG range is equipped with a high capacity fuel tank for extended run time

The exclusive Honda D-AVR technology provides cleaner electricity

Reliable

The EG range features our efficient GX engine with low emissions and an extended capacity fuel tank. They offer an exceptionally long running time of about 12 hours, enough to cover a full day of hard work. Even after long periods of storage, the EG generators are easy to start and are protected from the toughest environments by a tough steel frame.

Honda D-AVR technology

These generators produce a consistent and stable output of clean power. This comes courtesy of Honda's highly advanced D-AVR (Digital Auto Voltage Regulator) which uses a microcomputer to precisely control output voltage. It not only improves the performance of reactive type loads, but maximises product's working life.

Comfortable

To minimise vibration, we have built an engine mount system into the frame. These unique Honda rubber shock absorbers are positioned either side of the engine at 45° and significantly reduce the engine vibration. To aid transportation and manoeuvrability an optional wheel kit is also available.

Specialist open frame series

Enhanced Anti-Vibration System | Auto Throttle* | Auto Choke** | Electric Start** | Oil Alert | Transport Wheels** | Extended Run Time**

*EM 30 only.
**EM 5500CXS only.

EM 30

EM 5500CXS

SPECIFICATION

	EM 30 CYCLO CONVERTER	EM 5500CXS i-AVR
MAX OUTPUT	3.000 W	5.500 W
ENGINE	GX 200	iGX 390
STARTER SYSTEM	Recoil	Electric
WEIGHT	32,0 kg	108,8 kg

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

Intelligent energy

These professional generators produce a clean electricity output that can be used for a wide range of sensitive electrical applications, including construction, hospitality, emergency and home back up.

High quality clean power

The EM 5500CXS supplies power through the Honda intelligent Auto Voltage Regulator (i-AVR). It ensures a constant voltage output and reacts to any fluctuations in load, no matter how heavy.

Comfortable usage

The EM 5500CXS unit features our Honda Auto-Throttle, which is a unique load-sensing device that detects when the load increases, whilst quietly and instantly increasing the revs to match, without you experiencing any drop in power. And when the demand drops the revs will decrease, saving you fuel and money. They also come with electric start and transport wheels as standard. The EM 5500CXS can be equipped with an APC Universal Transfer Switch, which automatically manages your home's power, switching it from utility to generator as needed.

Compact and smart EM 30

The EM 30's lightweight and rugged no-nonsense design allows for easy transportation, with the unit weighing in at only 32 kg. It delivers a stable wave of clean electricity through our Cyclo Converter technology, making it ideal for hospital emergency work and sensitive lighting.

Clear and intuitive control panels, including electric start system

The EM 5500CXS can supply up to 5.500 W through high quality current

Generator specification

Use our handy table to compare our generators and choose the right model for you.

	INVERTER SERIES				OPEN FRAME SERIES				
	EU 10i	EU 22i	EU 30is	EU 70is	EM 2300	EC 3600	EC 5000	ECT 7000	ECMT 7000
									
OUTPUT TECHNOLOGY	INVERTER	INVERTER	INVERTER	INVERTER	AVR	CONDENSER	CONDENSER	INDUCTIVE	INDUCTIVE
Type	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single/3-Phase	Single/3-Phase
Maximum output (W)	1.000	2.200	3.000	7.000	2.300	3.600	5.000	4.000/7.000*	4.000/7.000*
Rated output (W)	900	1.800	2.800	5.500	2.000	3.400	4.500	3.600/6.500*	3.600/6.500*
Rated voltage (V)	230	230	230	230	230	230	230	230/400*	230/400*
Rated frequency (Hz)	50	50	50	50	50	50	50	50	50
Rated current (A)	3,9	7,8	12,2	23,9	8,7	15,0	19,5	16,0/9,5*	16,0/9,5*
DC rated output	12V/8,0A	12V/8.3A	12V/12A	-	-	-	-	-	-
Outlets	16A-250V	16A-250V	16A-250V	Depending on country	16A-250V	16A-250V	16A-250V	16A-250V 16A-400V	16A-250V 16A-400V 16A-240V
Engine model	GXH50	GXR120	GX200	GX390	GX160	GX270T	GX390T1	GX390T1	GX390
Engine type	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder
Displacement (cm^3)	49,4	121.0	196,0	389,0	163,0	270,0	389,0	389,0	389,0
Bore × stroke (mm)	41,8 × 36,0	60,0 x 43,0	68,0 × 54,0	88,0 × 64,0	68,0 × 45,0	77,0 × 58,0	88,0 × 64,0	88,0 × 64,0	88,0 × 64,0
Engine speed (rpm)	4.500 max	4.500 max	3.800 max	3.600 max	3.000	3.000	3.000	3.000	3.000
Cooling system	Forced air	Forced air	Forced air	Forced air	Forced air	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor	Transistor	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0,25	0,40	0,55	1,10	0,58	1,10	1,10	1,10	1,10
Fuel tank capacity (L)	2,1	3,6	13,0	19,2	12,0	5,3	6,2	6,2	22,8
Operating time at rated	3h 54	3h 35	8h	6h 30	9h 45	2h 25	2h 15	2h 10	8h 45
Starter system	Recoil	Recoil	Recoil and electric start	Recoil and electric start	Recoil	Recoil	Recoil	Recoil	Recoil
Length (mm)	451	512	658	Handle down: 848 Handle up: 1.198	535	800	800	800	755
Width (mm)	242	290	482	700	435	550	550	550	550
Height (mm)	379	425	570	721	450	540	540	540	560
Dry weight (kg)	13,0	21,1	61,2	118,1	40,0	58,0	75,0	77,0	104,0
Sound pressure level at workstation – dB(A) (98/37/EC, 2006/42/EC)	70	72	74	75	79	85	87	86	85
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	87	90	91	91	94	97	97	97	97

*Three phase 400 V3-.
**OHV – Overhead Valve.
Note: all the generators run on unleaded petrol.

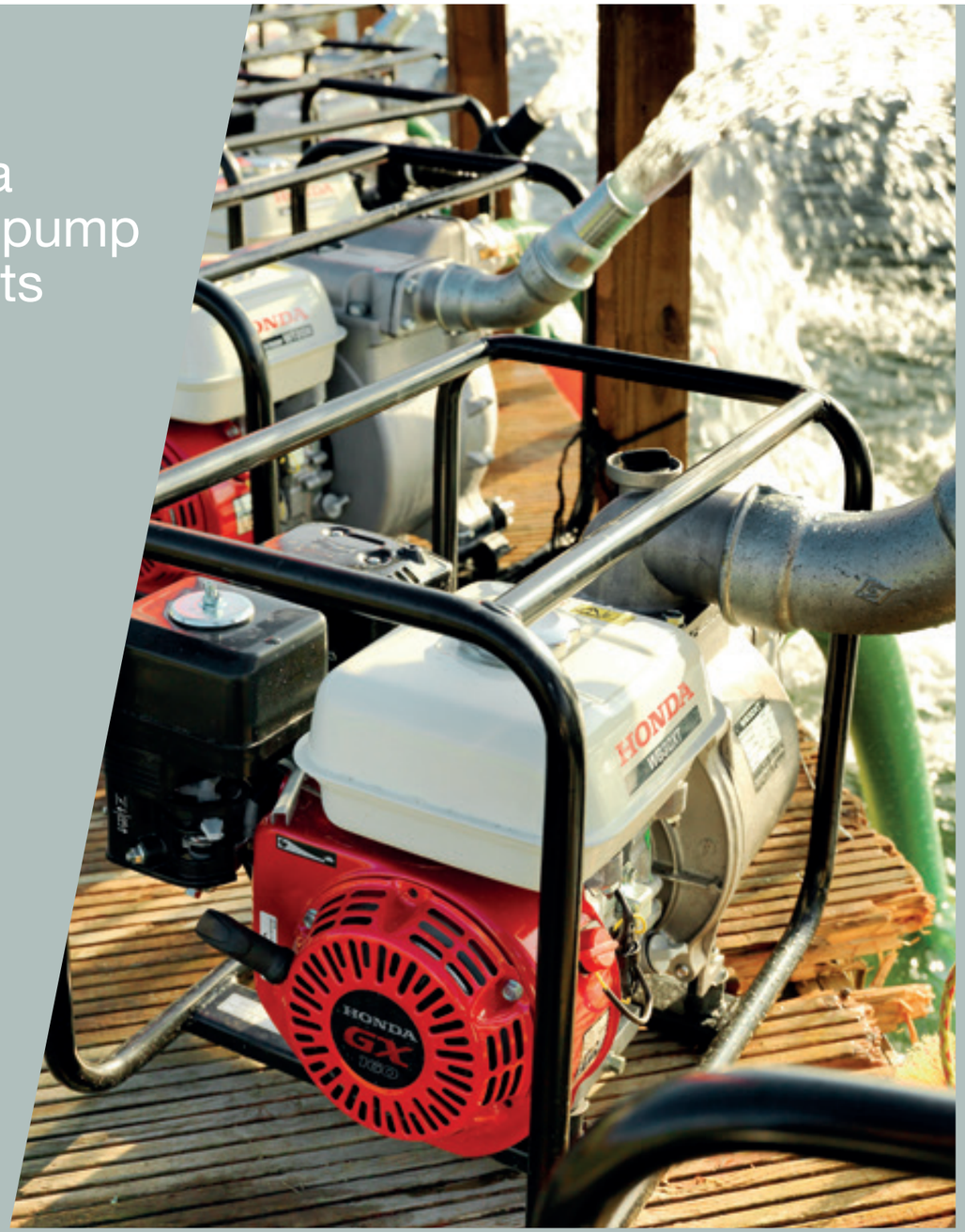
Generator specification

Use our handy table to compare our generators and choose the right model for you.

	SPECIALIST OPEN FRAME SERIES			SPECIALIST OPEN FRAME SERIES	
	EG 3600CL	EG 4500CL	EG 5500CL	EM 30	EM 5500CXS
					
OUTPUT TECHNOLOGY	D-AVR	D-AVR	D-AVR	CYCLO CONVERTER	i-AVR
Type	Single phase	Single phase	Single phase	Single phase	Single phase
Maximum output (W)	3.600	4.500	5.500	3.000	5.500
Rated output (W)	3.200	4.000	5.000	2.600	5.000
Rated voltage (V)	230	230	230	230	230
Rated frequency (Hz)	50	50	50	50	50
Rated current (A)	13,9	17,4	21,7	11,4	21,7
DC rated output	-	-	-	12V/12A	-
Outlets	16A-250V 16A-240V	16A-250V 16A-240V 32A-230V	16A-250V 16A-240V 32A-230V	16A-250V	16A-250V 16A-240V
Engine model	GX270T2	GX390T2	GX390T2	GX200	i-GX390
Engine type	4-Stroke, OHV*, 1 cylinder	4-Stroke, OHV*, 1 cylinder	4-Stroke, OHV*, 1 cylinder	4-Stroke, OHV*, 1 cylinder	4-Stroke, OHV*, 1 cylinder
Displacement (cm^3)	270	389	389	196	389
Bore × stroke (mm)	77,0 × 58,0	88,0 × 64,0	88,0 × 64,0	68,0 × 54,0	88,0 × 64,0
Engine speed (rpm)	3.000	3.000	3.000	3.600 max	3.000
Cooling system	Forced air	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	1,10	1,10	1,10	0,55	1,10
Fuel tank capacity (L)	24,0	24,0	24,0	9,7	23,5
Operating time at rated	12h	9h 30	8h 10	6h	8h
Starter system	Recoil	Recoil	Recoil	Recoil	Recoil and electric start
Length (mm)	681	681	681	445	Handle down: 725 Handle up: 1.047,5
Width (mm)	530	530	530	402	706
Height (mm)	571	571	571	480	719
Dry weight (kg)	68,0	79,5	82,5	32,0	108,8
Sound pressure level at workstation – dB(A) (98/37/EC, 2006/42/EC)	79	81	82	79	77
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	96	97	97	96	96

*OHV – Overhead Valve.
Note: all the generators run on unleaded petrol.

Honda water pump benefits



Keep it 100% Honda

Honda water pumps are built to the very highest standards and feature many high-tech innovations developed over more than 20 years of experience. They also have the unique advantage of being powered by a Honda engine, which has an enviable reputation throughout the world, backed up by a network of specialist Honda Power Products dealers. The result is unprecedented performance and expert care across a complete line-up of water pumps, to assist you with everything from garden irrigation and pool maintenance to heavy-duty drainage work.

Reliable quality designed for you

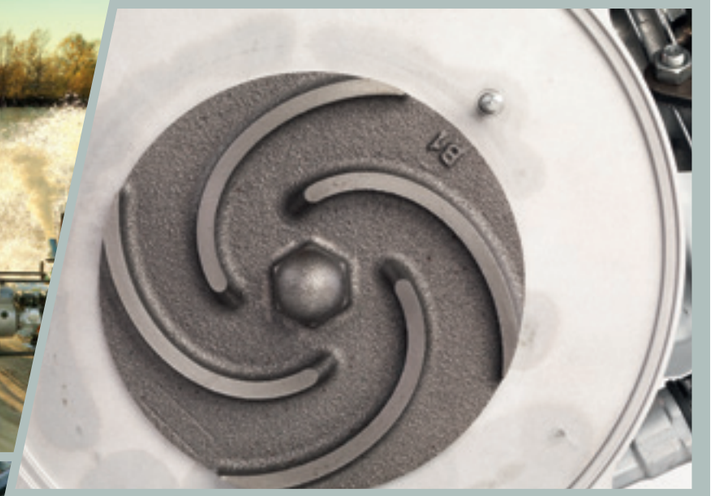
We have designed a whole range of reliable and durable water pumps to make sure there is one to meet your needs. From transfer and trash to high-pressure pumps, all are built to provide you with the best possible performance.

Honda 4-Stroke

Our innovative and powerful 4-Stroke engine technology has many advantages, their lower noise and emissions, for example. Compared to 2-Stroke engines they give a cleaner and quieter working environment. They are also remarkably fuel efficient, which means fewer fill-ups and reduced ownership costs.

Superb performance

Honda water pumps adhere to the highest standards of quality in every aspect of their design. Rugged, cast-iron impellers and mechanical seals ensure years of reliable service.



Built to last under pressure

The Honda WMP 20 water pump model has been specially developed to deal with corrosive fluids such as salted water, chemicals and fertilisers. Very specific materials have been selected for the volute and impeller to ensure a long working life.

Water pump key features

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.

PERFORMANCE

OHV 4-Stroke Engine
Powerful and efficient with trusted reliability. Easy starting in all conditions with automatic decompression to reduce the pull force required.

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

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

Conical Impeller
Superb pumping and priming performance with reduced wear and clogging.

Anti-Vibration System
Straight engine rubber mounts to reduce mechanical stress on the entire unit.

Removable Inspection Cover
Quick and simple access for making inspections and clearing debris for reduced downtime.

Unique 360˚ Operation
Allows the pump to operate or be stored at any incline without damage.

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

Cast Iron Volute and Impeller
Superior durability for long life performance, even when pumping abrasive silts.

High-Efficiency Impeller
Unique Honda design results in optimal flow and efficiency.

Enhanced Anti-Vibration System
45° inclined rubber engine mounts for superior vibration damping at high engine rpm.

Types	Lightweight		High Pressure		High Flow		Chemical	Trash		
Model	WX 10	WX 15	WH 15	WH 20	WB 20	WB 30	WMP 20	WT 20	WT 30	WT 40
Clean water	•	•	•	•	•	•	•	•	•	•
Muddy water	•	•			•	•		•	•	•
Solids up to 3 mm	•	•	•	•	•	•	•	•	•	•
Solids up to 6 mm					•	•		•	•	•
Solids up to 24 mm								•	•	•
Solids up to 28 mm									•	•
Solids up to 31 mm										•
Chemicals							•			

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 0,098 × HEAD (in metres). If you attach a pressure gauge at the base of a 30 m pipe filled with clear water, you would measure 2,94 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 0,098.

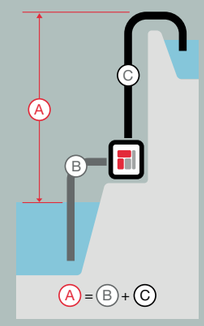
Impeller
An impeller is a rotating disk containing vanes coupled to the engine's crankshaft. All centrifugal pumps contain an impeller. The impeller vanes sling liquid outward through centrifugal force, causing a pressure change. This pressure change results in liquid flowing through the pump.

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 seal 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.

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.

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.

PUMP PERFORMANCE CURVE

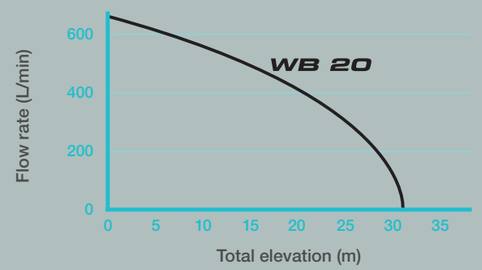


Image for illustration purposes only.

OHV 4-Stroke Engine | Unique 360° Operation* | Lightweight** | Oil Alert*** | Cast Iron Volute and Impeller▲ | Enhanced Anti-Vibration System•

*WX 10 model only.
**WX 10 and WX 15 models only.
***WX 15T, WH 15 and WH 20 models only.
▲WH 15 and WH 20 models only.
•WH 20 model only.

Water pumps
lightweight & high pressure performance pumps

High pressure performance in a compact size

The lightweight WX and portable WH ranges are capable of generating impressive pressure, making them ideal for sprinkling, jetting, long-hose irrigation or firefighting applications.

Starting from 6,1 kg, the WX range is very convenient to carry

The WH range offers up to 5 bars pressure, ideal to transport water long distances

Lightweight WX range

The WX range is lightweight (from 6,1 kg), compact and easy to transport, with a convenient carry handle. The WX 10 has been designed to allow 360° operation making it ideal for sprinkling, jetting, long hose irrigation or firefighting applications. The durable Honda GX series commercial grade engine ensures easy starting and provides ample power for the toughest conditions.

WH range: Water cannons

They may be compact in size but they have an impressive high pressure capacity (up to 5 bars). The WH products are able to transport high quantities of water for long distances. The combination of rigid-mount cast iron volute, which reduces case wear, and the reliable Honda GX engines, ensures our products last a long time. The WH 20 is fitted with a frame and rubber mount to reduce mechanical stress absorbing vibration.

WX 10

WX 15

WH 15

WH 20

SPECIFICATION

WX 10	WX15	WH 15	WH 20
MAX OUTPUT	MAX OUTPUT	MAX OUTPUT	MAX OUTPUT
7.2 m^3/h	16.8 m^3/h	22.2 m^3/h	27.0 m^3/h
PRESSURE	PRESSURE	PRESSURE	PRESSURE
3,7 bar	4,0 bar	4,0 bar	5,0 bar
DEBRIS SIZE	DEBRIS SIZE	DEBRIS SIZE	DEBRIS SIZE
5,7 mm	5,7 mm	3,0 mm	3,0 mm
WEIGHT	WEIGHT	WEIGHT	WEIGHT
6,1 kg	9,1 kg	22,0 kg	27,0 kg

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

OHV 4-Stroke Engine | Oil Alert | Anti-Vibration System | Cast Iron Volute and Impeller* | High-Efficiency Impeller* | Chemical Pump**

*WB 20 and WB 30 models only.
**WMP 20 only.

Water pumps
high flow rate
& chemical pumps

Fast pumping machines

These water pumps excel in discharging large amounts of water quickly and easily, specially designed to work with salted water, agricultural fertiliser or industrial waste.

High flow rate water pumps

Designed with an abrasion-resistant cast iron volute and impeller, WB units have specially designed vanes for a larger discharge capacity, they can move up to 1.100 litres a minute. That's enough capacity to clear a medium size swimming pool in an hour and a half. The debris size capacity allows them to deal with gravel and other suspended debris.

WMP built for strength

Our chemical pump's housing, volute and impeller are all made of reinforced thermoplastic which gives top-class chemical resistance. Seals are made of very specific rubber materials, resistant to a wide range of abrasive materials and ensures a long working life.

Performance

Featuring the incredibly reliable Honda 4-Stroke engine, this model provides easy starting in all conditions with automatic decompression to reduce the pull-force needed. It's also very efficient, emitting fewer emissions than a regular 2-Stroke engine and provides lower noise levels.

The WMP 20 can deal with abrasive chemical liquids through very special pump casing

The WB range are fitted with a 4 vane high efficiency impeller

WB 20

WMP 20

WB 30

SPECIFICATION

WMP 20	WB 20	WB 30
MAX OUTPUT	MAX OUTPUT	MAX OUTPUT
50.0 m^3/h	37.2 m^3/h	66.0 m^3/h
PRESSURE	PRESSURE	PRESSURE
2,5 bar	3,2 bar	2,3 bar
DEBRIS SIZE	DEBRIS SIZE	DEBRIS SIZE
5,7 mm	6,0 mm	6,0 mm
WEIGHT	WEIGHT	WEIGHT
25,5 kg	20,0 kg	26,0 kg

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

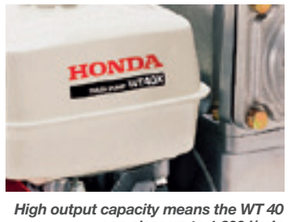
OHV 4-Stroke Engine | Oil Alert | Cast iron volute and impeller | Conical impeller | Enhanced anti-vibration system | Removable inspection cover

Water pumps trash pumps

The tough choice

Our trash pumps range is ideal for messy jobs and dirty water. It has been developed to handle high volumes of water filled with solids.

The removable inspection cover allows quick simple access



High output capacity means the WT 40 can clear up to 1.600 l/min

High debris size absorption

The Honda WT trash range water pump has been designed to allow solids such as sticks, gravel and other suspended debris to flow through the 31 mm diameter pump, without clogging or causing damage. This makes them the ideal water pump for heavy duty construction and waste work.

Outstanding output capacity

Our trash pumps are fitted with powerful Honda GX engines, which are robust and efficient and have been built to take on the most demanding jobs. They also feature a unique conical shape impeller design, offering a strong maximum output capacity of up to 1.600 l/min for the WT 40 model.

Superior durability

To cope with highly abrasive sands and aggregates, this pump also features a super-durable silicon carbide seal and cast iron impeller and volute. Our unique anti-vibration, 45° inclined rubber engine mounts extend durability further still, reducing vibration and stress to the frame and of course, cutting down on noise levels.

WT 20

WT 30

WT 40

SPECIFICATION

WT 20	WT 30	WT 40
MAX OUTPUT	MAX OUTPUT	MAX OUTPUT
42.0 m^3/h	72.0 m^3/h	96.0 m^3/h
PRESSURE	PRESSURE	PRESSURE
2,5 bar	2,5 bar	2,5 bar
DEBRIS SIZE	DEBRIS SIZE	DEBRIS SIZE
24,0 mm	28,0 mm	31,0 mm
WEIGHT	WEIGHT	WEIGHT
47,0 kg	61,0 kg	78,0 kg

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

Water pump specification

Use our handy table to compare our water pumps to choose the right one for you.

	LIGHTWEIGHT AND HIGH PRESSURE PUMPS			
	WX 10	WX 15	WH 15◊	WH 20◊*
				
Maximum discharge capacity (L/min)	120	280	370	450
Max outlets (m³/h)	7,2	16,8	22,2	27,0
Inlet/outlet diameter mm/inches - thread type	25/1,0-PF	40/1,5-PF	40/1,5-PF	50/2,0-PF
Maximum total head (m)	37	40	40	50
Maximum suction head (m)	8,0	8,0	8,0	8,0
Pressure (bars)	3,7	4,0	4,0	5,0
Debris size capacity (mm)***	5,7	5,7	3,0	3,0
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)	7.000 max	7.000 max	3.600 max	3.600 max
Engine net power (kW) (SAE J1349)	0,72	1,60	2,60	3,60
Cooling system	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor
Oil capacity (L)	0,08	0,25	0,56	0,58
Fuel tank capacity (L)	0,53	0,77	2,00	3,10
Operating time at maximum discharge	54m	54m	1h 30	1h 30
Starter system	Recoil	Recoil	Recoil	Recoil
Length (mm)	340	355	415	520
Width (mm)	220	275	360	400
Height (mm)	295	375	415	460
Dry weight (kg)	6,1	9,1	22,0	27,0
Sound pressure level at operator's ears – dB(A) (98/37/EC, 2006/42/EC)	87	90	87	91
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	100	104	104	106

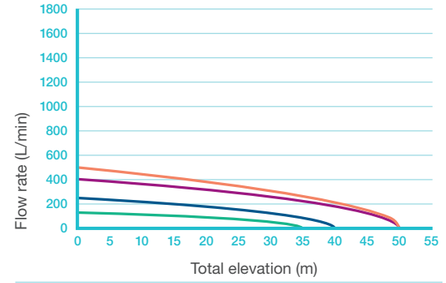
	HIGH FLOW RATE, TRASH AND CHEMICAL PUMPS					
	WMP 20	WB 20◊	WB 30◊	WT 20◊	WT 30◊	WT 40◊
						
Maximum discharge capacity (L/min)	833	620	1.100	700	1.200	1.600
Max outlets (m³/h)	50,0	37,2	66,0	42,0	72,0	96,0
Inlet/outlet diameter mm/inches - thread type	50/2,0-NPT	50/2,0-PF	80/3,0-PF	50/2,0-PF	80/3,0-PF	100/4,0-PF
Maximum total head (m)	25	32	23	26	25	25
Maximum suction head (m)	8,0	7,5	7,5	8,0	8,0	8,0
Pressure (bars)	2,5	3,2	2,3	2,6	2,5	2,5
Debris size capacity (mm)***	5,7	6,0	6,0	24,0	28,0	31,0
Engine model	GX160	GX120	GX160	GX160	GX270	GX390
Engine type	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder	4-Stroke, OHV**, 1 cylinder
Displacement (cm³)	163	118	163	163	270	389
Bore × stroke (mm)	68,0 × 45,0	60,0 × 42,0	68,0 × 45,0	68,0 × 45,0	77,0 × 58,0	88,0 x 64,0
Engine speed (rpm)	3.600 max	3.600 max	3.600 max	3.600 max	3.600 max	3.600 max
Engine net power (kW) (SAE J1349)	3,60	2,60	3,60	3,60	6,30	8,70
Cooling system	Forced air	Forced air	Forced air	Forced air	Forced air	Forced air
Ignition system	Transistor	Transistor	Transistor	Transistor Magneto	Digital CDI	Digital CDI
Oil capacity (L)	0,58	0,56	0,58	0,58	1,10	1,10
Fuel tank capacity (L)	3,10	2,00	3,10	3,10	5,30	6,10
Operating time at maximum discharge	1h 30	1h 42	1h 54	1h 30	1h 30	1h 30
Starter system	Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
Length (mm)	520	490	510	620	660	735
Width (mm)	400	365	385	460	495	535
Height (mm)	450	420	455	465	515	565
Dry weight (kg)	25,5	20,0	26,0	47,0	61,0	78,0
Sound pressure level at operator's ears – dB(A) (98/37/EC, 2006/42/EC)	89	88	89	92	95	96
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	105	102	103	106	110	112

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.

WATER PUMP PERFORMANCE

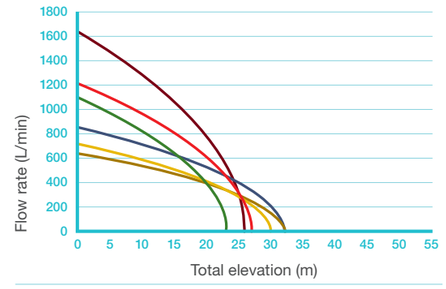
The colour-coded performance curves below show a direct comparison between the different water pumps. Each individual curve represents the flow rate vs. total elevation performance for each water pump.

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

Hydrostatic Drive | Unique track pattern | Deadman's clutch | Steering Clutches | Adjustable load bed | Tilting load bed

Power carriers

SPECIFICATION

HP 500

MAX LOAD	500 kg
MAX UPWARD GRADIENT	25°
MAX FORWARD SPEED	4,3 km/h
TRANSMISSION	Hydrostatic

HP 500

Our power carriers are flexible – simply adjust the bed for different sized materials

Images for illustration purposes only.
Model availability is dependant on country, do not hesitate to ask your local Honda dealer.

Time and labour saver

Our power carriers take the backache out of shifting heavy loads in confined spaces and inaccessible work areas. The HP 500 provides unbeatable traction and manoeuvrability over all types of terrain including inclines and declines of up to 25°.

High traction performance

Across gravel, bumps and even up stairs, our power carriers' unique track tread provides incredible traction. They have great manoeuvrability and the uniquely designed tread also minimises ground damage, which is important when working across lawns and gardens.

Smooth control

Powered by the efficient, easy starting Honda 4-Stroke GX160 OHV engine, the Honda power carrier HP 500 is easy to operate with simple and conveniently located controls. The machine is fitted with steering clutches which allow you to perform U-Turns effortlessly even in the tightest spaces. The hydrostatic transmission provides a smooth, variable speed control, which allows you to work at your own pace.

Versatile load bed

The Honda power carrier has the flexibility of an adjustable load bed. So whatever the shape and size of the load - breeze blocks, agricultural material or rubble, the bed can be changed to accommodate them. It also has the added benefit of a tilting bed, which makes depositing cargo easy. So there's no lifting from the machine to the floor.

The HP 500 power carrier has traction, even on a slope

Hydrostatic transmission offers great ease of use

World of Honda Power Products

Our Power Product range now offers a choice between clean Honda 4-stroke engines and cutting-edge electric motors powered by our Universal Battery System. That's because we're committed to making our products as user-friendly, fuel-efficient and reliable as we can - all without compromising performance. So however you prefer to work, there's a Honda Power Product for you.

Heading for markets

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