HONDA

PEQ-BROCH-EN0316

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HONDA
The Power of Dreams

Generators
Water Pumps
Power Carriers

HONDA POWER EQUIPMENT

trust

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

Contents

Generators

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

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

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

				PORTABLE			MANOEUVRABLE HIGH-TECH		ENDURANCE		ENDURANCE 3-PHASE	ENDURANCE HIGH-PERFORMANCE			ENDURANCE HIGH-TECH	
				INVERTER					CONDENSER		INDUCTIVE	D-AVR			i-AVR	
	Continuous power (W)			900	1600	2600	2800	5500	3400	4500	3600 / 6500	3200	4000	5000	4000	5000
	Sound power level (2000/14EC, 2005/88/EC)			87	89	92	91	91	97	97	97	96	97	97	96	96
	Typical Applications*	Application Continuous Rating (W)**	Indicative Start-up Load (W)**	EU 10i	EU 20i	EU 30i	EU 30is	EU 70is ⚡	EC 3600	EC 5000	ECT 7000	EG 3600CL	EG 4500CL	EG 5500CL	EM 4500CXS ⚡	EM 5500CXS ⚡
CAMPING - CARAVANNING LEISURE	Portable TV	250	-	●	●	●										
	Portable Fridge	110+	300+	●	●	●										
	Travel Kettle	650+	-	●	●	●										
	Hair Dryer	1000+	-		●	●										
	Portable Microwave	600+	1600+		●	●										
	Portable Fan	40+	100+	●	●	●										
	Laptop/PC	20+	100+	●	●	●										
	Portable Heater	1500+	-		●	●										
	Caravan Air Conditioner	2600+	-			●										
	Battery Charging	100+	-	●	●	●	●									
GARDEN	Lawnmower	1100+	2500+			●										
	Strimmer	350+	1000+		●	●										
	Hedgetrimmer	500+	1200+	●	●	●										
	Shredder	2000+	2600+			●										
	Garden Vac/Blower	2000+	2600+			●										
	Chainsaw	1800+	2600+			●										
	Pressure Washer	2100+	3000+					●	●	●	●			●	●	●
HOME / OFFICE BACK UP	Fridge/Freezer	500+	1500+		●	●	●	●							●	●
	Central Heating Pump	300+	500+	●	●	●	●	●							●	●
	Plasma TV	300+	900+	●	●	●	●	●							●	●
	Desktop Computer	320+	700+	●	●	●	●	●							●	●
	Computer Printer	150+	-	●	●	●	●	●							●	●
	Photocopier Machine	1600+	1800+			●	●	●							●	●
	Portable Air Conditioner	3000+	5000+					●							●	●
PROFESSIONAL	Jigsaw	400+	1100+		●	●	●	●	●	●	●	●	●	●	●	●
	Compressor	2000+	6000+								●					
	Welder	3500+	5500+					●			●					
	Concrete Mixer	850+	2975+						●	●	●	●	●	●	●	●
	Submersible Pump	500+	-	●	●	●	●	●	●	●	●	●	●	●	●	●
	Hammer Drill	800+	-	●	●	●	●	●	●	●	●	●	●	●	●	●
	Table Saw	1500+	3000+					●	●	●	●	●	●	●	●	●
	Angle Grinder	900+	-		●	●	●	●	●	●	●	●	●	●	●	●
	Industrial Fan/Blower	2000+	-			●	●	●	●	●	●	●	●	●	●	●
	Concrete Breaker	850+	2500+			●	●	●	●	●	●	●	●	●	●	●
	Circular Saw	1500+	-		●	●	●	●	●	●	●	●	●	●	●	●
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.

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.

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.

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.

Oil Alert™

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

Extended Run Time

Model features a larger fuel tank for longer continuous operation.

DC Output

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

Transport Wheels

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

Lightweight

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

Low-Noise Design

Noise reducing muffler to lower operational noise.

Super-Quiet

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

Electric Start

Key operated electric start for effortless operation.

i-Monitor

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

Eco-Throttle™

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

Auto Throttle

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

Enhanced Anti-Vibration System

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

3-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 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.

Auto-Choke

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

Fuel Injection Engine

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

Portable Generators

Portable Generators

Compact, lightweight, fuel efficient and ultra-quiet, our portable range provides super-clean power in the remotest of locations. Its acoustically insulated casings and advanced exhaust muffler system reduce noise, whilst ultra-lightweight materials such as magnesium, are used to reduce weight. Also, two models can be linked together, doubling the output and extending its range of uses.

Standard features

Oil Alert™ | DC Output | Super-Quiet | Eco-Throttle™ | Parallel Operation (x2)

Lightweight

Super-quiet

Parallel operation

Inverter | Lightweight

◀ EU 10i

All standard features

- **Max/rated output:** 1000/900 W
- **Operating time at rated:** 3h 54
- **Dry weight:** 13 kg

Inverter | Lightweight

◀ EU 20i

All standard features

- **Max/rated output:** 2000/1600 W
- **Operating time at rated:** 4h
- **Dry weight:** 20.7 kg

Inverter | Transport Wheels

◀ EU 30i

All standard features

- **Max/rated output:** 3000/2600 W
- **Operating time at rated:** 3h 50
- **Dry weight:** 35.2 kg

Popular Uses

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

Manoeuvrable High-Tech Generators

Manoeuvrable High-Tech Generators

Using lightweight and compact inverter technology, our high-tech EU generators deliver high-power output in a transportable unit. Its reliable, high quality electric supply is on a par with the National Grid - essential for the latest and most sensitive electronic products.

Standard features

Oil Alert™ · Transport Wheels · Super-Quiet · Electric Start · Eco-Throttle™ · Parallel Operation

Inverter technology

Fuel injected engine

Manoeuvrable

Inverter · DC Output · Auto-Choke

EU 30is

All standard features

- **Max/rated output:** 3000/2800 W
- **Operating time at rated:** 7h 06
- **Dry weight:** 61.2 kg

Popular Uses

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

Inverter · i-Monitor · Fuel Injected Engine

EU 70is

All standard features

- **Max/rated output:** 7000/5500 W
- **Operating time at rated:** 6h 30
- **Dry weight:** 118.1 kg

Images are shown for illustration purposes only.

Endurance Generators

Endurance Generators

Our EC generators are robust, reliable and require minimal maintenance. They are powered by our easy-starting, commercial grade, 4-stroke GX engines and are the generator of choice for consumers, artisans and semi-professionals.

Standard features

Enhanced Anti-Vibration System

Robust

Reliable

Commercial grade GX engine

Condenser | Oil Alert™ | Transport Wheels*

EC 3600

All standard features

- **Max/rated output:** 3600/3400 W
- **Operating time at rated:** 2h 25
- **Dry weight:** 58 kg

Popular Uses

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

Condenser | Oil Alert™ | Transport Wheels*

EC 5000

All standard features

- **Max/rated output:** 5000/4500 W
- **Operating time at rated:** 2h 17
- **Dry weight:** 75 kg

Inductive | Oil Alert™ | Transport Wheels* | 3-Phase Power Output

ECT 7000

All standard features

- **Max/rated output:** 4000-7000/3600-6500 W**
- **Operating time at rated:** 2h 13
- **Dry weight:** 77 kg

*Optional wheel kit available.

**The 2 power values shown are for single-phase and three-phase output.

Endurance High-Performance Generators

Endurance High-Performance Generators

Designed and built for professional use, the EG range delivers robust, reliable, efficient power. Perfect for the most demanding commercial and rental applications. With the ability to detect and react instantaneously to fluctuations in output voltage, the exclusive Honda D-AVR technology provides cleaner electricity. Whilst the GX engine also produces plentiful power and has excellent fuel efficiency, all whilst reducing emissions and noise.

Standard features

Oil Alert™ | Extended Run Time | Enhanced Anti-Vibration System

D-AVR technology

24 litre fuel tank

Transport wheels*

D-AVR | Transport Wheels*

EG 3600 ▶

All standard features

- **Max/rated output:** 3600/3200 W
- **Operating time at rated:** 12h
- **Dry weight:** 68 kg

Popular Uses

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

D-AVR | Transport Wheels*

◀ EG 4500

All standard features

- **Max/rated output:** 4500/4000 W
- **Operating time at rated:** 9h 30
- **Dry weight:** 79.5 kg

D-AVR | Transport Wheels*

EG 5500 ▶

All standard features

- **Max/rated output:** 5500/5000 W
- **Operating time at rated:** 8h 06
- **Dry weight:** 82.5 kg

*Optional wheel kit available.

Endurance High-Tech Generators

Endurance High-Tech Generators

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

Standard features

Oil Alert™ · Extended Run Time · Electric Start · Auto Throttle · Enhanced Anti-Vibration System · Auto-Choke

Back up power

i-AVR: clean power

Portable professional power

i-AVR · Transport Wheels*

EM 4500S ▶

All standard features
- **Max/rated output:** 4500/4000 W
- **Operating time at rated:** 9h 36
- **Dry weight:** 106.5 kg

i-AVR · Transport Wheels*

◀ EM 5500S

All standard features
- **Max/rated output:** 5500/5000 W
- **Operating time at rated:** 8h
- **Dry weight:** 108.8 kg

Popular Uses

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

*Optional wheel kit available.

Generator specification

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

	PORTABLE GENERATORS			MANOEUVRABLE HIGH-TECH GENERATORS		ENDURANCE GENERATORS		
	EU 10i	EU 20i	EU 30i	EU 30is	EU 70is	EC 3600	EC 5000	ECT 7000
								
OUTPUT TECHNOLOGY	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	CONDENSER	CONDENSER	INDUCTIVE
Type	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single/3-phase
Maximum output (W)	1000	2000	3000	3000	7000	3600	5000	4000/7000*
Rated output (W)	900	1600	2600	2800	5500	3400	4500	3600/6500*
Rated voltage (V)	230	230	230	230	230	230/115	230/115	230/400*
Rated frequency (Hz)	50	50	50	50	50	50	50	50
Rated current (A)	3.9	7.0	11.3	12.2	23.9	15.0	19.5	16.0/9.5*
DC rated output	12V/8.0A	12V/8.0A	12V/8.3A	12V/12A	N/A	N/A	N/A	N/A
Engine model	GXH50	GX100	GX160	GX200	GX390	GX270T	GX390T1	GX390T1
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
Displacement (cm³)	49.4	98.5	163.0	196.0	389.0	270.0	389.0	389.0
Bore × stroke (mm)	41.8 × 36.0	56.0 × 40.0	68.0 × 45.0	68.0 × 54.0	88.0 × 64.0	77.0 × 58.0	88.0 × 64.0	88.0 × 64.0
Engine speed (rpm)	4,500 max	5,000 max	4,000 max	3,800 max	3,600 max	3,000	3,000	3,000
Cooling system	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
Oil capacity (L)	0.25	0.40	0.53	0.55	1.10	1.10	1.10	1.10
Fuel tank capacity (L)	2.1	3.6	5.9	13.0	19.2	5.3	6.2	6.2
Operating time at rated	3h 54	4h	3h 50	7h 06	6h 30	2h 25	2h 17	2h 13
Starter system	Recoil	Recoil	Recoil	Recoil and electric start	Recoil and electric start	Recoil	Recoil	Recoil
Length (mm)	451	512	622	658	Handle down: 848 Handle up: 1,198	800	800	800
Width (mm)	242	290	379	482	700	550	550	550
Height (mm)	379	425	489	570	721	540	540	540
Dry weight (kg)	13.0	20.7	35.2	61.2	118.1	58.0	75.0	77.0
Sound pressure level at workstation – dB(A) (98/37/EC, 2006/42/EC)	70	71	74	74	75	85	87	86
Guaranteed sound power level – dB(A) (2000/14/EC, 2005/88/EC)	87	89	92	91	91	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 to choose the right one for you.

	ENDURANCE HIGH-PERFORMANCE GENERATORS			ENDURANCE HIGH-TECH GENERATORS	
	EG 3600	EG 4500	EG 5500	EM 4500S	EM 5500S
					
OUTPUT TECHNOLOGY	D-AVR	D-AVR	D-AVR	i-AVR	i-AVR
Type	Single phase	Single phase	Single phase	Single phase	Single phase
Maximum output (W)	3600	4500	5500	4500	5500
Rated output (W)	3200	4000	5000	4000	5000
Rated voltage (V)	230/115	230/115	230/115	230/115	230/115
Rated frequency (Hz)	50	50	50	50	50
Rated current (A)	13.9	17.4	21.7	17.4	21.7
DC rated output	N/A	N/A	N/A	N/A	N/A
Engine model	GX270T2	GX390T2	GX390T2	i-GX390	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 (cm³)	270	389	389	389	389
Bore × stroke (mm)	77.0 × 58.0	88.0 × 64.0	88.0 × 64.0	88.0 × 64.0	88.0 × 64.0
Engine speed (rpm)	3,000	3,000	3,000	3,000	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	1.10	1.10
Fuel tank capacity (L)	24.0	24.0	24.0	23.5	23.5
Operating time at rated	12h	9h 30	8h 06	9h 36	8h
Starter system	Recoil	Recoil	Recoil	Recoil and electric start	Recoil and electric start
Length (mm)	681	681	681	Handle down: 725 Handle up: 1,047.5	Handle down: 725 Handle up: 1,047.5
Width (mm)	530	530	530	706	706
Height (mm)	571	571	571	719	719
Dry weight (kg)	68.0	79.5	82.5	106.5	108.8
Sound pressure level at workstation – dB(A) (98/37/EC, 2006/42/EC)	79	81	82	77	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.

Water Pumps

Make the right choice

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

Water Pump Type

Typically water pumps fall into five categories:

1 LIGHTWEIGHT PUMPS

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

2 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.

3 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.

4 CHEMICAL PUMPS

Our WMP 20 pump is designed to pump products such as agricultural fertiliser or industrial chemicals.

5 TRASH PUMPS

Trash pumps are the ultimate choice for contractors and rental applications. The WT series can handle solids up to 31 mm in diameter and are capable of moving a lot of water – up to 1,600 litres per minute (WT 40). A quick clean-out port and easy maintenance features help to ensure long service life.

Water Pump Usage

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

Type	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 0.433 × 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 0.433.

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

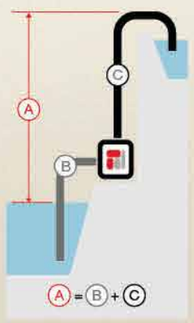
The volute is the stationary housing enclosing the impeller. The volute collects and directs the flow of liquid from the impeller and increases the pressure of the high velocity water flowing from the vanes of the impeller.

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.

Elevation Height

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



SUCTION HEAD (B)

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

+

DISCHARGE HEAD (C)

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

+

HEAD LOSS

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

=

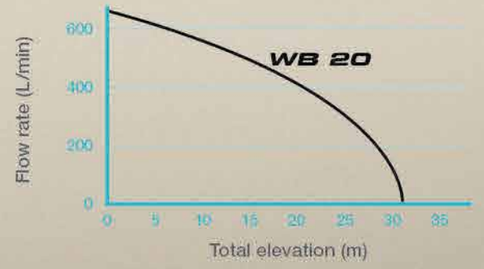
TOTAL HEAD (A)

The total vertical height the pump can lift and discharge.

Flow Rate

The flow rate is the maximum amount of water that can be pumped to a given height. A pump's flow rate can be calculated by using a pump performance curve, as shown in the WB 20 example below. If you know the maximum elevation you will be pumping to, you can plot the value on the curve and determine if the pump has a sufficient flow rate for your requirements.

PUMP PERFORMANCE CURVE





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.

OHV 4-Stroke Engine

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

Unique 360° Operation

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

Lightweight

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

Chemical Pump

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

Oil Alert™

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

Cast Iron Volute and Impeller

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

Conical Impeller

Superb pumping and priming performance with reduced wear and clogging.

High-Efficiency Impeller

Unique Honda design results in optimal flow and efficiency.

Anti-Vibration System

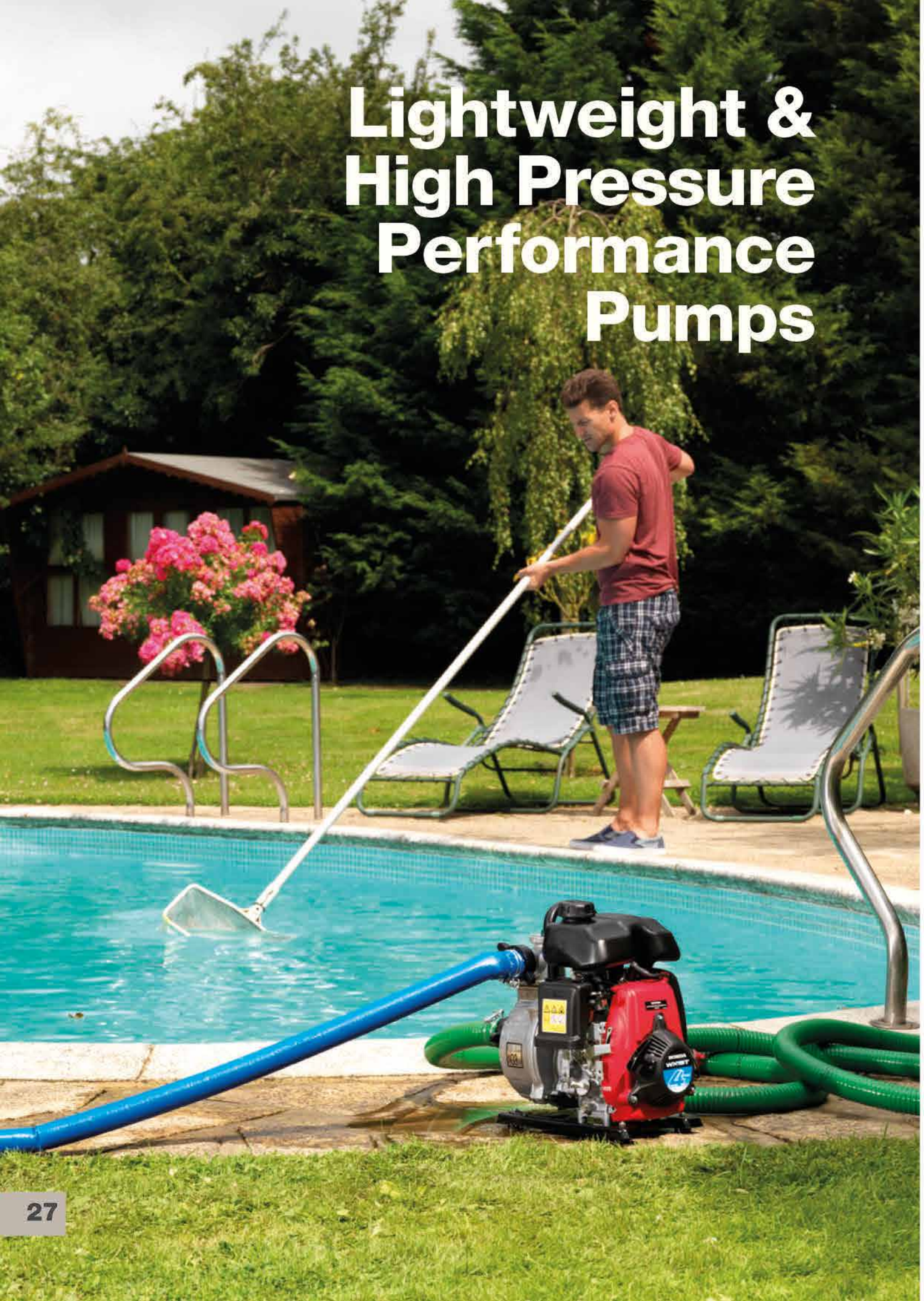
Straight engine rubber mounts to reduce mechanical stress on the entire unit.

Enhanced Anti-Vibration System

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

Removable Inspection Cover

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

Lightweight & High Pressure Performance Pumps

Lightweight & High Pressure Performance Pumps

The lightweight WX and portable WH ranges are compact and easy to manoeuvre. They may be diminutive in size, but they are capable of generating impressive pressure. A unique 360° lubrication system allows the WX 10 to carry on working at virtually any angle, making them ideal for sprinkling, jetting, long-hose irrigation or firefighting applications.

Standard features

OHV 4-Stroke Engine

4 STROKE

Compact and portable

High pressure

Unique 360° Operation

360°

Lightweight

WX 10 ▶

All standard features

- Max output capacity: 120 litres/min
- Inlet/outlet diameter mm/inches - thread type: 25/1-PF
- Total/suction head: 37/8 m
- Pressure: 3.7 bar
- Debris size capacity: 5.7 mm
- Operating time: 54m approx.
- Dry weight: 6.1 kg

Popular Uses

- Gardening
- Long-hose irrigation
- Dust suppression
- Fluid transfer drainage

Lightweight

Oil Alert™*

WX 15 ▶

All standard features

- Max output capacity: 280 litres/min
- Inlet/outlet diameter mm/inches - thread type: 40/1.5-PF
- Total/suction head: 40/8 m
- Pressure: 4.0 bar
- Debris size capacity: 5.7 mm
- Operating time: 54m approx.
- Dry weight: 9.1 kg

Oil Alert™

Cast Iron Volute and Impeller

CAST IRON

Anti-Vibration System

WH 20† ▲

All standard features

- Max output capacity: 450 litres/min
- Inlet/outlet diameter mm/inches - thread type: 50/2-PF
- Total/suction head: 50/8 m
- Pressure: 5.0 bar
- Debris size capacity: 3 mm
- Operating time: 1h 30 approx.
- Dry weight: 27 kg

Oil Alert™

Cast Iron Volute and Impeller

CAST IRON

◀ WH 15†

All standard features

- Max output capacity: 370 litres/min
- Inlet/outlet diameter mm/inches - thread type: 40/1.5-PF
- Total/suction head: 40/8 m
- Pressure: 4.0 bar
- Debris size capacity: 3 mm
- Operating time: 1h 30 approx.
- Dry weight: 22 kg

†PF threads are functionally interchangeable with BSPP.
*Oil Alert™ option available.

High Flow Rate & Chemical Pumps

High Flow Rate & Chemical Pumps

Built to take on the most demanding jobs, these pumps are able to deal with large volumes of water with gravel and other suspended debris, quickly and easily without clogging or causing damage.

Standard features

OHV 4-Stroke Engine

Oil Alert™

Anti-Vibration System

High flow rate

Robust and durable

Cast Iron Volute and Impeller

High-Efficiency Impeller

Popular Uses

Drainage pump for construction

Drainage of water containing solids up to 6 mm

WB 20†

All standard features

- Max output capacity: 620 litres/min
- Inlet/outlet diameter mm/inches - thread type: 50/2-PF
- Total/suction head: 32/7.5 m
- Pressure: 3.2 bar
- Debris size capacity: 6 mm
- Operating time: 1h 42 approx.
- Dry weight: 20 kg

Chemical Pump

WMP 20

All standard features

- Max output capacity: 833 litres/min
- Inlet/outlet diameter mm/inches - thread type: 50/2-NPT
- Total/suction head: 25/8 m
- Pressure: 2.5 bar
- Debris size capacity: 5.7 mm
- Operating time: 1h 30 approx.
- Dry weight: 25.5 kg
- See owners manual for full list of chemicals

WB 30†

All standard features

- Max output capacity: 1,100 litres/min
- Inlet/outlet diameter mm/inches - thread type: 80/3-PF
- Total/suction head: 23/7.5 m
- Pressure: 2.3 bar
- Debris size capacity: 6 mm
- Operating time: 1h 54 approx.
- Dry weight: 26 kg

Cast Iron Volute and Impeller

High-Efficiency Impeller

†PF threads are functionally interchangeable with BSPP.

Trash Pumps

Specifically designed for the professional market, these pumps are renowned for their reliability, high performance and fuel efficiency. They feature innovative technology like Honda's unique optimised impeller, which minimises energy loss and increases pumping performance.

Standard features

OHV 4-Stroke Engine · Oil Alert™ · Cast Iron Volute and Impeller · Conical Impeller · Enhanced Anti-Vibration System · Removable Inspection Cover

Solids up to 31 mm

Easy maintenance

WT 20†

All standard features

- **Max output capacity:** 700 litres/min
- **Inlet/outlet diameter mm/inches - thread type:** 50/2-PF
- **Total/suction head:** 26/8 m
- **Pressure:** 2.6 bar
- **Debris size capacity:** 24 mm
- **Operating time:** 1h 30 approx.
- **Dry weight:** 47 kg

Popular Uses

Drainage pump for construction

Drainage of water containing solids up to 31 mm

WT 30†

All standard features

- **Max output capacity:** 1,200 litres/min
- **Inlet/outlet diameter mm/inches - thread type:** 80/3-PF
- **Total/suction head:** 25/8 m
- **Pressure:** 2.5 bar
- **Debris size capacity:** 28 mm
- **Operating time:** 1h 30 approx.
- **Dry weight:** 61 kg

WT 40†

All standard features

- **Max output capacity:** 1,600 litres/min
- **Inlet/outlet diameter mm/inches - thread type:** 100/4-PF
- **Total/suction head:** 25/8 m
- **Pressure:** 2.5 bar
- **Debris size capacity:** 31 mm
- **Operating time:** 1h 30 approx.
- **Dry weight:** 78 kg

†PF threads are functionally interchangeable with BSPP.

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
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, OHC, 1 cylinder	4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder
Displacement (cm^3)	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

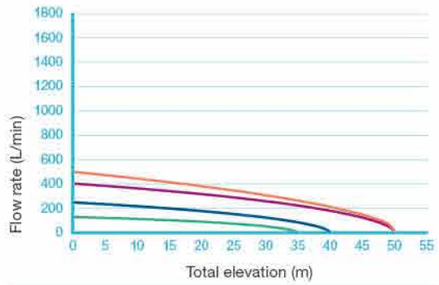
	HIGH FLOW RATE, TRASH AND CHEMICAL PUMPS					
	WB 20†	WB 30†	WT 20†	WT 30†	WT 40†	WMP 20†
						
620	1,100	700	1,200	1,600	833
50/2.0-PF	80/3.0-PF	50/2.0-PF	80/3.0-PF	100/4.0-PF	50/2.0-NPT
32	23	26	25	25	25
7.5	7.5	8.0	8.0	8.0	8.0
3.2	2.3	2.6	2.5	2.5	2.5
6.0	6.0	24.0	28.0	31.0	5.7
GX120	GX160	GX160	GX270	GX390	GX160
4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder	4-stroke, OHV**, 1 cylinder
118	163	163	270	389	163
60.0 × 42.0	68.0 × 45.0	68.0 × 45.0	77.0 × 58.0	88.0 × 64.0	68.0 × 45.0
3,600 max	3,600 max	3,600 max	3,600 max	3,600 max	3,600 max
2.60	3.60	3.60	6.30	8.70	3.60
Forced air	Forced air	Forced air	Forced air	Forced air	Forced air
Transistor	Transistor	Transistor Magneto	Digital CDI	Digital CDI	Transistor
0.56	0.58	0.58	1.10	1.10	0.58
2.00	3.10	3.10	5.30	6.10	3.10
1h 42	1h 54	1h 30	1h 30	1h 30	1h 30
Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
490	510	620	660	735	520
365	385	460	495	535	400
420	455	465	515	565	450
20.0	26.0	47.0	61.0	78.0	25.5
88	89	92	95	96	89
102	103	106	110	112	105

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

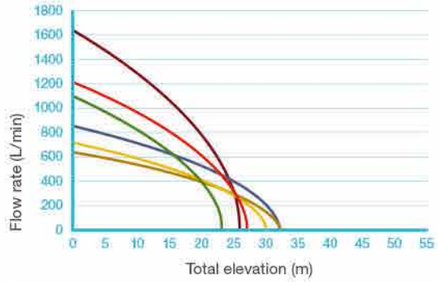
The colour-coded performance curves below show a direct comparison between the different water pumps. Each individual curve represents the flow rate vs. total elevation performance for each water pump.

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

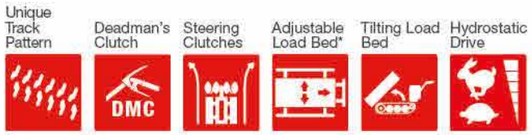


Product key:
WB 20 WB 30 WMP 20
WT 20 WT 30 WT 40

Power Carrier

Driven by a 4-stroke engine with smooth power and high torque, the HP500 is strong, safe and easy to operate. Its narrow width gives incredible manoeuvrability and access through standard doorways, whilst its unique track tread pattern provides incredible traction, but minimises ground damage to lawns and gardens.

Standard features



HP 500 ▼

All standard features

- Max load - level/sloping ground: 500/350 kg
- Max load height - level ground: 900 mm
- Max forward/reverse speed: 4.3/3.6 km/h
- Max upward/download gradient: 25/25°
- Engine model: GX160
- Net power (SAE J1349): 3.6 kW/3,600 rpm
- Fuel tank capacity: 3.1 L
- Dry weight: 197 kg
- Overall dimensions (mm): L 2,140 × W 650 × H 1,100
- Bed dimensions (mm): L 1,200 × W 560-900 × H 200
- Sound power level: 99 dB(A)

Popular Uses

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

*Available with or without adjustable load bed.
Please speak to your local Authorised Dealer.

World of Honda Power Equipment

For years, we've built our Power Equipment range around our clean Honda 4-stroke engine technology. That's because we're committed to making our products as user-friendly, fuel-efficient and reliable as we can - all without compromising performance. Class-leading 4-stroke principles still drive many of our products, but we're always pushing the boundaries with innovative newcomers like Miimo, our battery-powered robotic lawnmower that can be programmed to run anytime, 24 hours a day, seven days a week.

At Honda, we've harnessed our design and technology expertise to create a versatile repertoire of power products from generators, water pumps and tillers to marine engines, inflatable boats and snowthrowers. Take a look around the World of Honda and discover how our Power Equipment range is specially engineered to fit in with the life you lead.

Explore the wide range of Honda products at
www.honda.co.uk or call 0845 200 8000*

Robotic lawnmower

Lawnmowers

Lawn tractors

Brushcutters

Versatool™

Blower

Tillers

Snowthrowers

Generators

Pumps

Power carriers

Outboard engines

Hedgetrimmers

Ride-on mower

*Charged at local rates from landlines.

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SALES
SERVICE
EXPERTISE

You deserve complete confidence that you've made the right choice, long after you've made the purchase. That's why we appoint our Honda Authorised Dealers with as much care as we build into our products.

Look for the seal of quality when you buy your Honda, or call 0845 200 8000* and we'll find the closest to you.

£ Sales

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

Service

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

Expertise

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

Unrivalled quality, for peace of mind.

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

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

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

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

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