

A close-up, low-angle shot of a black plastic pump assembly. The pump has a cylindrical body with horizontal ridges. A blue threaded fitting is prominent on the right side. Another blue fitting is visible at the bottom. The background is a dark blue gradient with some light speckles.

ECO+ PLUS™

ELITE SERIES

COMMERCIAL-GRADE PUMPS

GARDENING | IRRIGATION | POND | FOUNTAIN

HIGH FLOW

HIGH PRESSURE

HIGH PERFORMANCE



**ELECTRONIC
MULTISTAGE PUMP**
HGC727196 | 1416 GPH

**ELECTRONIC
JET PUMP**
HGC727194 | 900 GPH

LED CONTROL INTERFACE ON THE ELECTRONIC MULTISTAGE PUMP AND ELECTRONIC JET PUMP



MODE SELECTION

- **AUTO MODE:** The pump will automatically run as long as pressure is less than your desired cut-out value. It will automatically turn itself off when flow is stopped due to low pressure.
- **MANUAL MODE:** You control when to switch the pump on or off.
- **ANTI-LEAKAGE:** Protects against leaks to help extend the lifespan of your pump. When enabled, the pump will turn off and the ALARM light will flash if the pump is started more than 6 times in 2 minutes.
- **CUT-IN:** The minimum pressure setting, below which the pump turns on (when auto mode is enabled).
- **CUT-OUT:** The pressure setting (disabled by default), above which the pump turns off due to stopped flow.
- **MAX PUMP ON:** Maximum running time. When enabled, the pump will turn off and the ALARM light will flash after 30 minutes of operation. This helps protect your pump if a valve is accidentally left open, a pipe breaks, or when used in irrigation setups.

SET SELECTION

- **ON:** Indicates the pump is connected to a power supply.
- **PUMP ON:** Indicates the motor is running.
- **ALARM:** Indicates if an alarm is present. Press "set" to clear alarms after the issue has been resolved.
- **OFF:** Indicates the pump is not connected to a power supply and is off.

PRESSURE (PSI) INDICATOR

- LED indicates current pressure while operating and allows you to set your desired cut-in and cut-out values. These values control when the pump turns on and off in auto mode.

Please refer to product instructions for more details.

ELECTRONIC MULTISTAGE PUMP

With three (3) impellers, the EcoPlus® Elite Series Commercial-Grade Electronic Multistage Pump delivers high flow and high pressure, driving large amounts of water through commercial irrigation and gardening applications like large-scale gardens, greenhouses, ponds, fountains and more. The multiple impellers make it especially suited to commercial drip irrigation setups and other situations where high PSI is required. Using the 6 function settings on the control panel, you can utilize or disable functions based on what's right for your scenario.

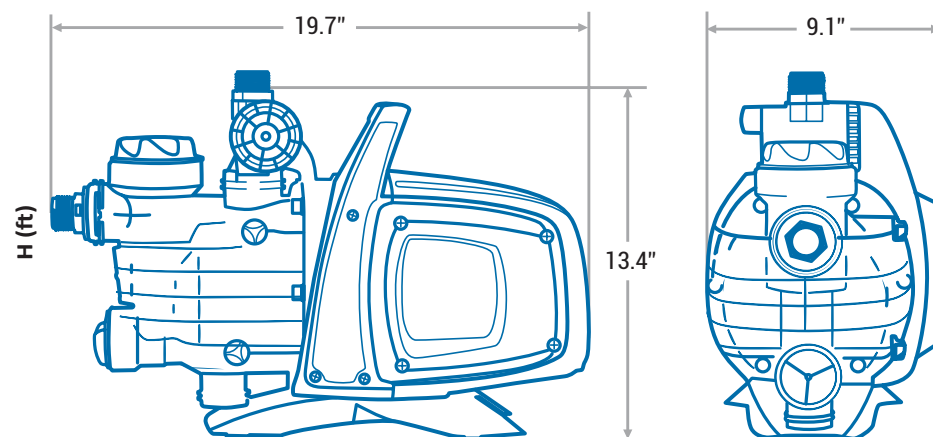
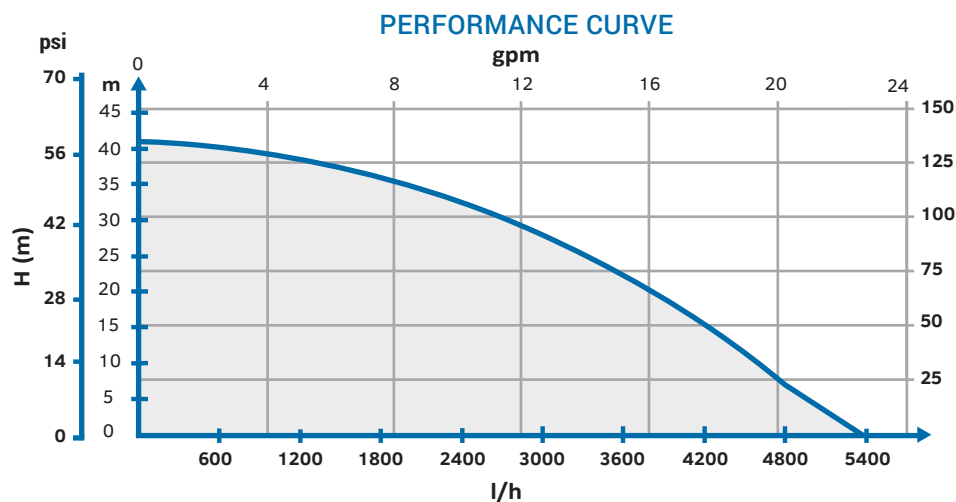
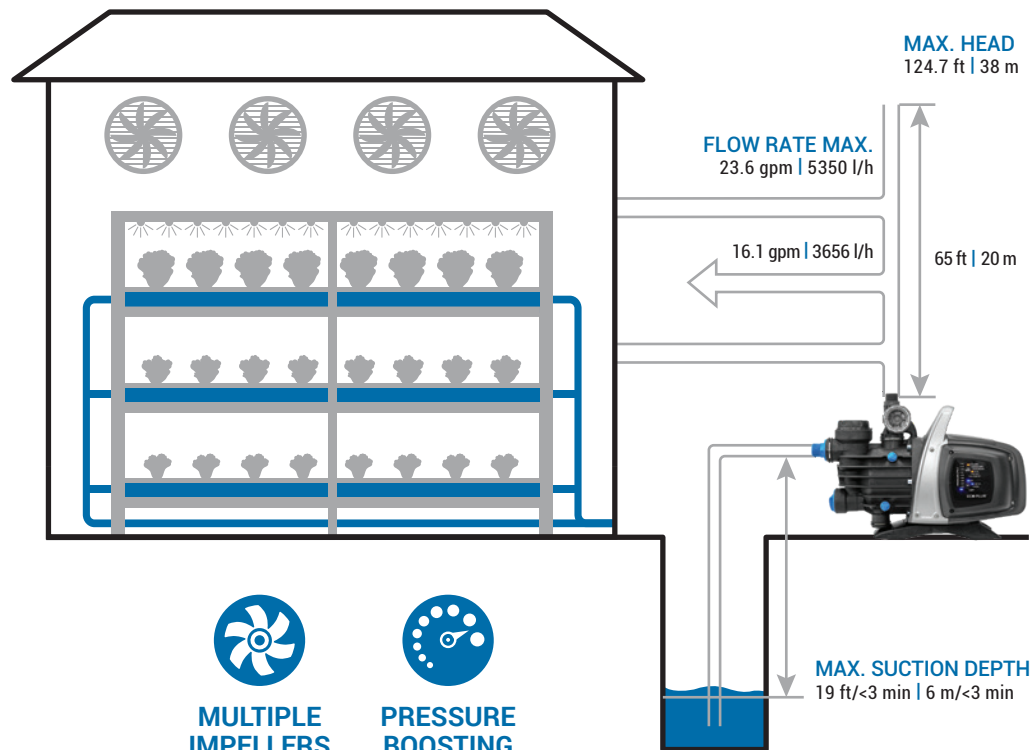
A built-in, electronic automatic on/off feature means this pump senses when flow stops from a closed valve and will automatically turn itself off. This prevents the pump from running continuously and wearing out the motor for more reliable performance. By sensing when the water runs dry and automatically shutting itself off, this pump is also protected against dry running, further increasing the lifespan of your pump. Since it's oil-less and water-cooled, the EcoPlus Elite Series Electronic Multistage Pump helps eliminate the risk of oil leaking into your water source, while keeping your pump cool for longer-lasting operation. Self-priming, compact and made with robust construction.



Product #HGC727196

TECHNICAL SPECIFICATIONS		1416 GPH $\frac{3}{4}$ HP
ELECTRICAL DATA	Power	1040 Watt
	Voltage	115 V-120 V AC
	Frequency	60 Hz
	Amps	9.6
HYDRAULIC DATA	Flow rate max.	23.6 gpm 5350 l/h
	Max. pressure	55.1 psi 3.8 Bar
	Max. head	124.7 ft 38 m
	Start pressure	26.1 psi 1.8 Bar
	Max. working pressure	87 psi 6 Bar
	Max. suction depth	19.7 ft/<3 min 6 m/<3 min
DIMENSIONS/WEIGHT RANGE OF USE/MATERIALS	Pump dimensions <i>See illustration</i>	19.7 in x 9.1 in x 13.4 in 500 mm x 230 mm x 341 mm
	Length of power cable	5 ft 1.5 m
	Net weight	24.1 lb 10.95 kg
	Liquid range temperature	32°-95° F 0°-35° C
	Max. ambient temperature	104° F 40° C
	DNA / DNM NPT	1" M / 1" M
	Impellers	3
	Noise	75 dB

Technical specifications subject to change without notice.



ELECTRONIC JET PUMP

For situations when you need a pump with significant suction capability, the EcoPlus® Elite Series Commercial-Grade Electronic Jet Pump gets the job done. When your pump is above your water source, this pump has greater suction head capacity than a multistage

model. With its one (1) impeller, it can also handle heavy particles in your clean water. The built-in electronic control panel displays the pressure level so it's easy to see and adjust the mode to what's best for your scenario. Features a built-in safety device for anti-leak and dry-run protection, which are two of the most common reasons water pumps fail. Dry run prevention on the EcoPlus Elite Electronic Jet Pump will sense when the water runs dry and shut your pump off to prevent damage and increase the lifespan of your pump. Ideal for supplying water in commercial

irrigation and gardening applications like large-scale gardens, greenhouses, ponds, fountains and more.

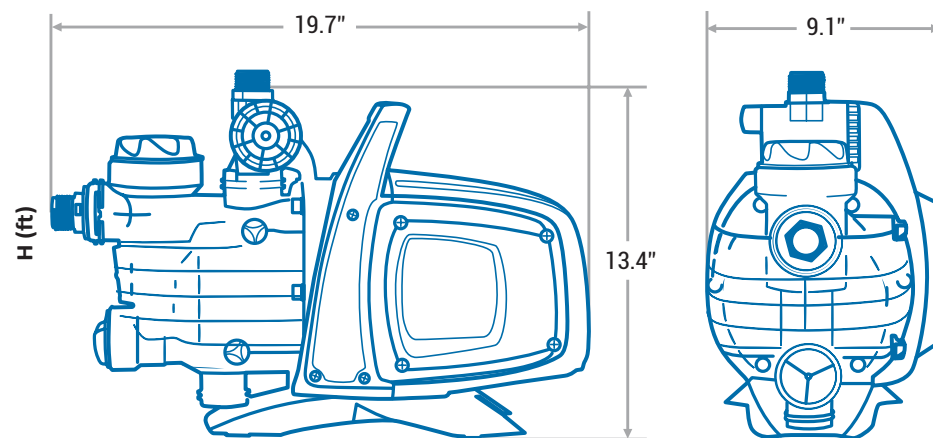
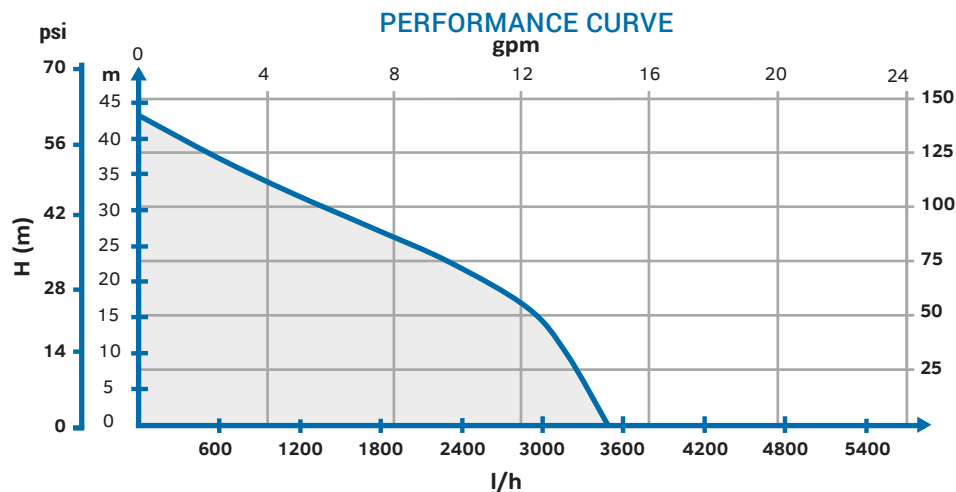
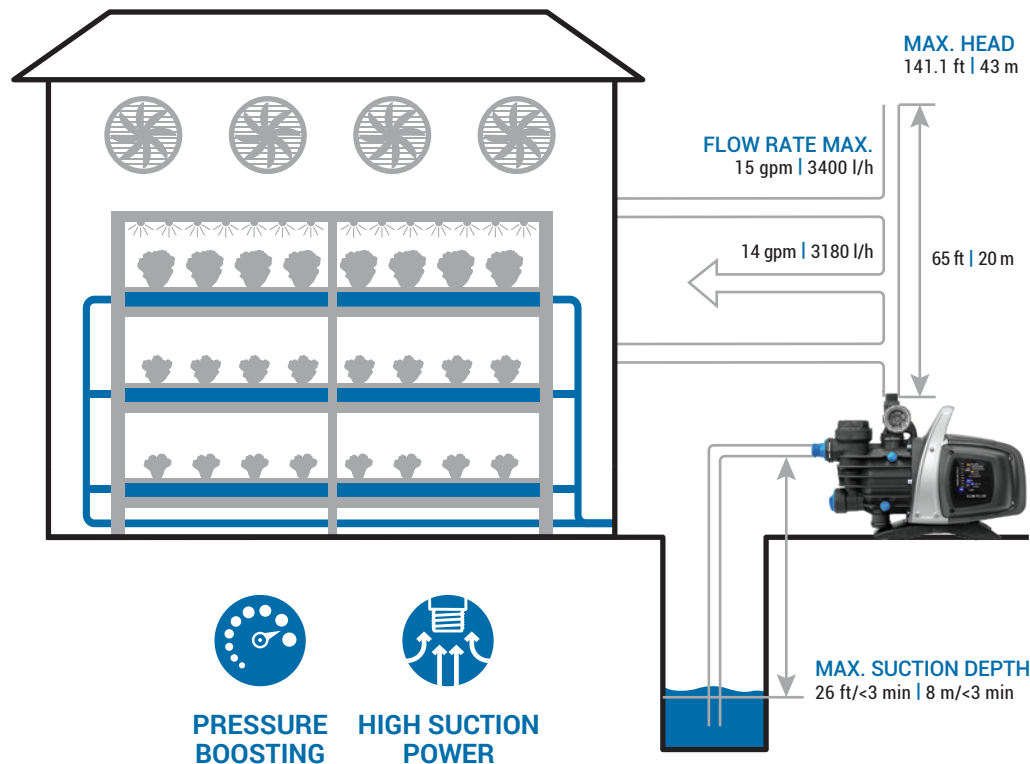
The EcoPlus Elite Series Commercial-Grade Electronic Jet Pump comes equipped with an integrated non-return valve and pre-filter for extended pump life. Since it's oil-less and water-cooled, the design helps eliminate the risk of oil leaking into your water source, while keeping your pump cool and contributing to longer-lasting operation. Self-priming, compact, robust and easy to use. Do not submerge in water.



Product #HGC727194

TECHNICAL SPECIFICATIONS		900 GPH ¾ HP
ELECTRICAL DATA	Power	1050 Watt
	Voltage	115 V-120 V AC
	Frequency	60 Hz
	Amps	9.8
HYDRAULIC DATA	Flow rate max.	15 gpm 34000 l/h
	Max. pressure	62.4 psi 4.3 Bar
	Max. head	141.1 ft 43 m
	Start pressure	26.1 psi 1.8 Bar
	Max. working pressure	87 psi 6 Bar
	Max. suction depth	26 ft/<3 min 8 m/<3 min
DIMENSIONS/WEIGHT RANGE OF USE/MATERIALS	Pump dimensions <i>See illustration</i>	19.7 in x 9.1 in x 13.4 in 500 mm x 230 mm x 341 mm
	Length of power cable	5 ft 1.5 m
	Net weight	22.9 lb 10.34 kg
	Liquid range temperature	32°-95° F 0°-35° C
	Max. ambient temperature	104° F 40° C
	DNA / DNM NPT	1" M / 1" M
	Impellers	1
	Noise	79 dB

Technical specifications subject to change without notice.



MULTISTAGE PUMP

The EcoPlus® Elite Series Commercial-Grade Electronic Multistage Pump uses three (3) impellers to deliver high flow and high pressure and drive large amounts of water through commercial irrigation and gardening applications. Use it in large-scale gardens, greenhouses, ponds, fountains and more. The multiple impellers make it especially suited to setups with drip emitters

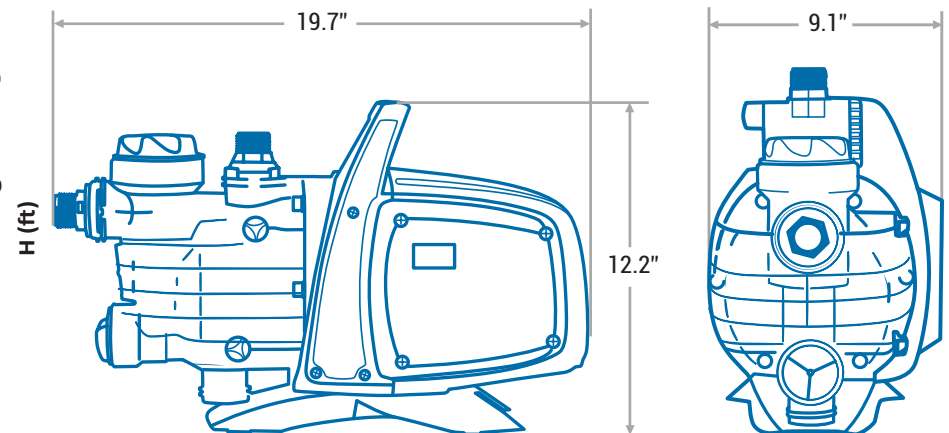
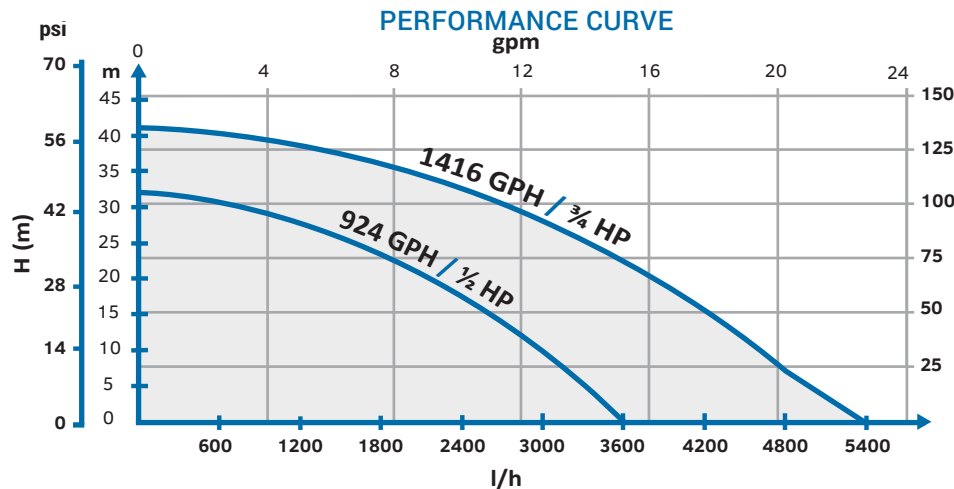
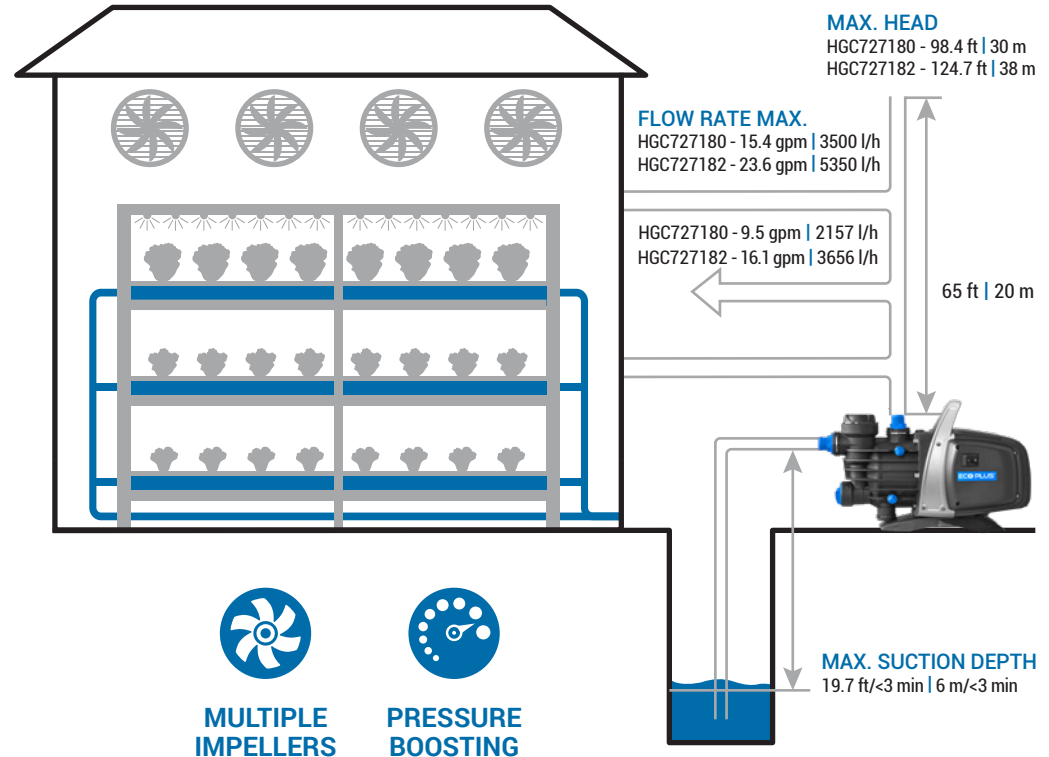
and other situations where high PSI is required. Since it's oil-less and water-cooled, the EcoPlus Elite Series Electronic Multistage Pump helps eliminate the risk of oil leaking into your water source. Your pump still stays cool, which puts less strain on the motor and contributes to longevity. Self-priming, compact and made with robust construction.



Product #HGC727180 Product #HGC727182

	TECHNICAL SPECIFICATIONS	924 GPH ½ HP	1416 GPH ¾ HP
ELECTRICAL DATA	Power	730 Watt	1040 Watt
	Voltage	115 V-120 V AC	115 V-120 V AC
	Frequency	60 Hz	60 Hz
	Amps	6.6	9.6
HYDRAULIC DATA	Flow rate max.	15.4 gpm 3500 l/h	23.6 gpm 5350 l/h
	Max. pressure	43.5 psi 3.0 Bar	55.1 psi 3.8 Bar
	Max. head	98.4 ft 30 m	124.7 ft 38 m
	Start pressure	26.1 psi 1.8 Bar	26.1 psi 1.8 Bar
	Max. working pressure	87 psi 6 Bar	87 psi 6 Bar
	Max. suction depth	19.7 ft/<3 min 6 m/<3 min	19.7 ft/<3 min 6 m/<3 min
DIMENSIONS/WEIGHT RANGE OF USE/MATERIALS	Pump dimensions	19.7 in x 9.1 in x 12.2 in	19.7 in x 9.1 in x 12.2 in
	See illustration	500 mm x 230 mm x 310 mm	500 mm x 230 mm x 310 mm
	Length of power cable	5 ft 1.5 m	5 ft 1.5 m
	Net weight	21.3 lb 9.7 kg	23.1 lb 10.5 kg
	Liquid range temperature	32°-95° F 0°-35° C	32°-95° F 0°-35° C
	Max. ambient temperature	104° F 40° C	104° F 40° C
	DNA / DNM NPT	1" M / 1" M	1" M / 1" M
	Impellers	3	3
	Noise	65 dB	75 dB

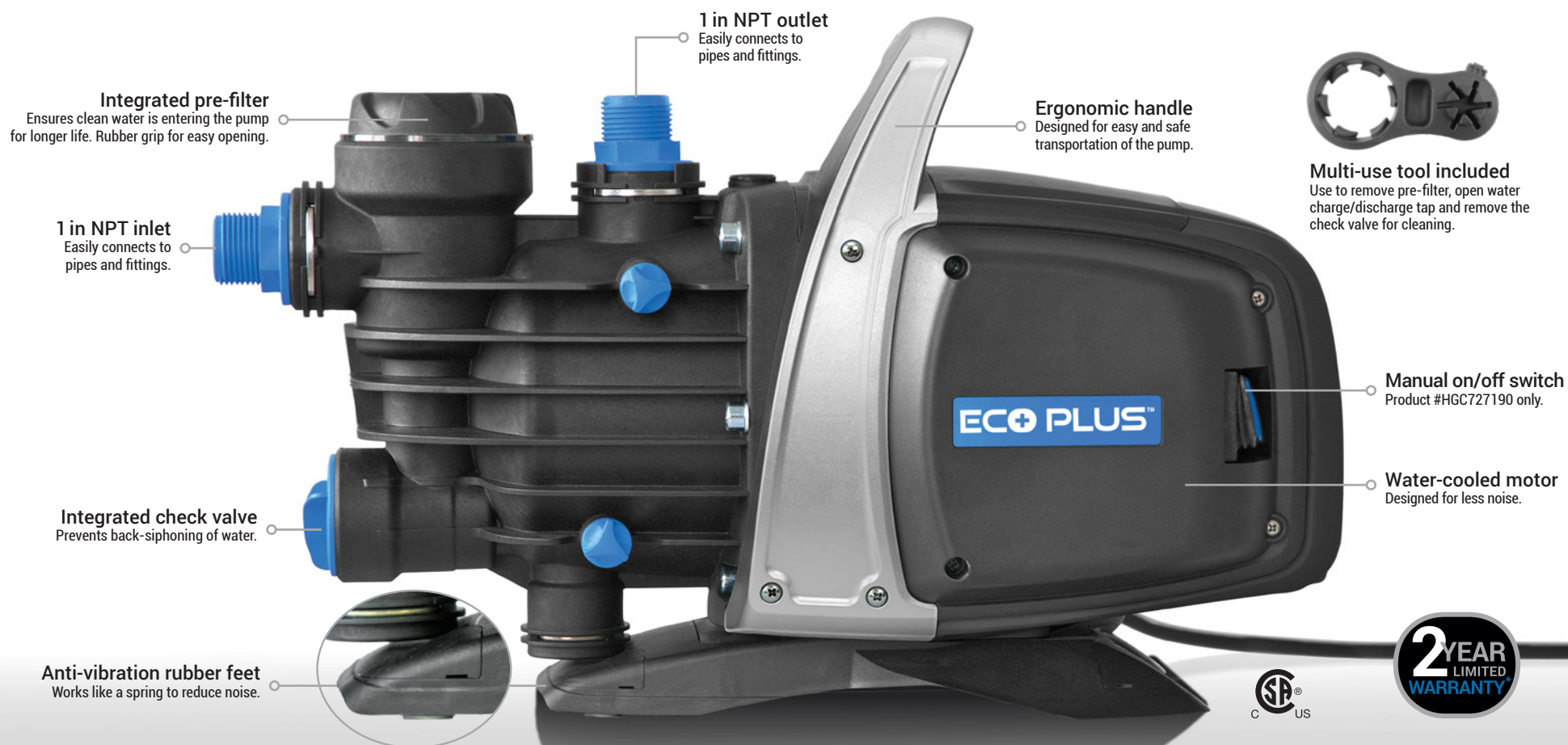
Technical specifications subject to change without notice.



JET PUMP

When your pump is above your water source, or other times you need a pump with strong suction capability, the EcoPlus® Elite Series Commercial-Grade Jet Pump is a great choice. As a jet pump, it has a higher suction rate than a multistage pump. With its one (1) impeller, it can also handle heavy particles in your clean water better than a multistage model. Use it to supply water in commercial irrigation and gardening applications like large-scale gardens, greenhouses, ponds, fountains and more.

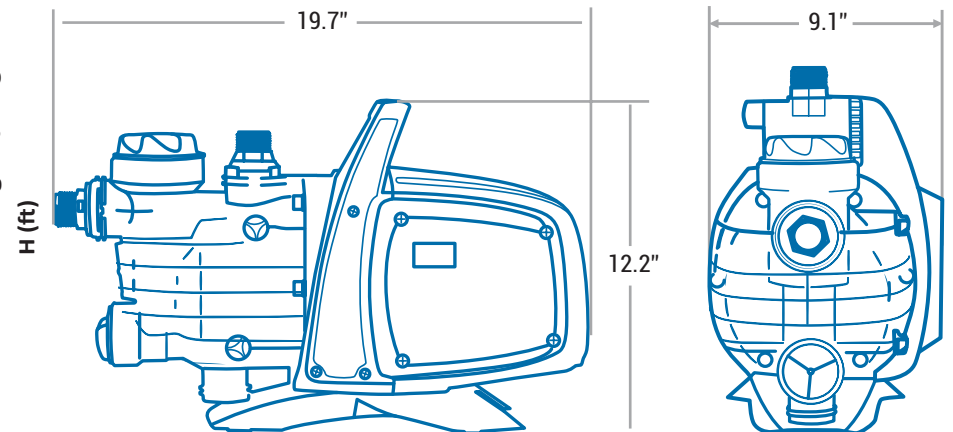
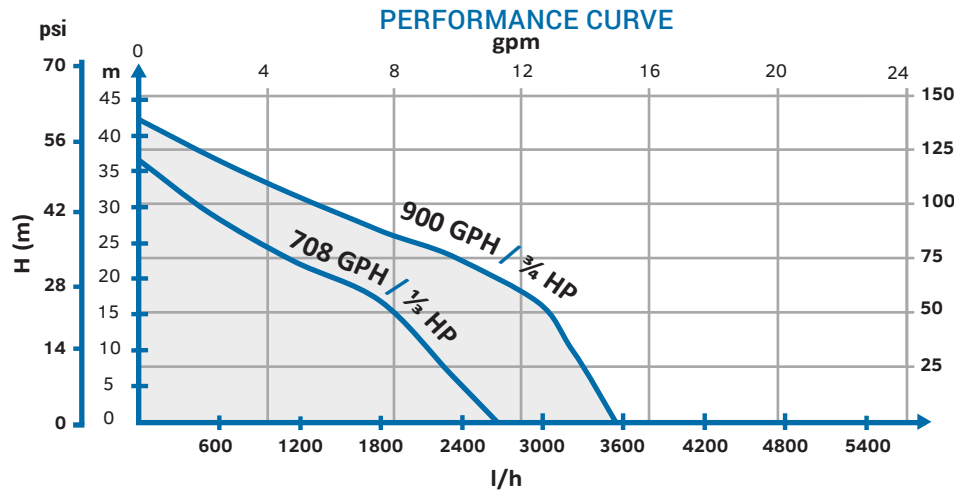
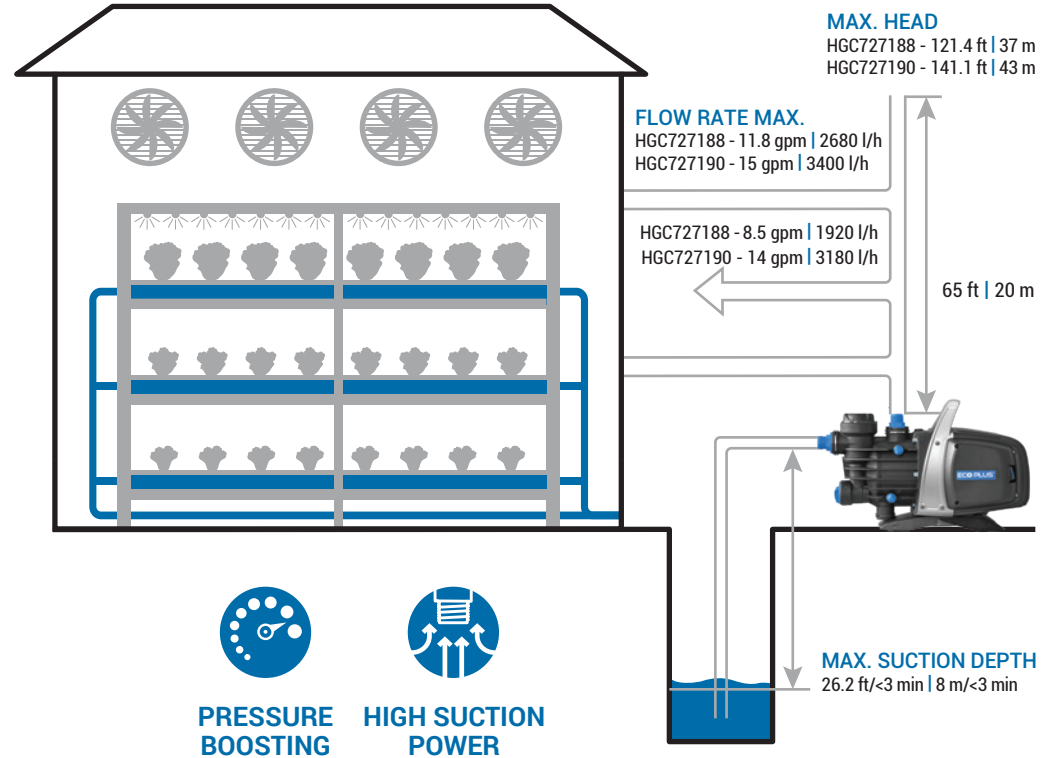
The EcoPlus Elite Series Commercial-Grade Jet Pump comes equipped with an integrated non-return valve and pre-filter for extended pump life. Since it's oil-less and water-cooled, the design helps eliminate the risk of oil leaking into your water source, while keeping your pump cool and contributing to longer-lasting operation. Self-priming, this jet pump is compact, robust and easy to use. Do not submerge in water.



Product #HGC727188 Product #HGC727190

	TECHNICAL SPECIFICATIONS	708 GPH 1/3 HP	900 GPH 3/4 HP
ELECTRICAL DATA	Power	780 Watt	1050 Watt
	Voltage	115 V-120 V AC	115 V-120 V AC
	Frequency	60 Hz	60 Hz
	Amps	7.3	9.8
HYDRAULIC DATA	Flow rate max.	11.8 gpm 2680 l/h	15.0 gpm 3400 l/h
	Max. pressure	53.7 psi 3.7 Bar	62.4 psi 4.3 Bar
	Max. head	121.4 ft 37 m	141.1 ft 43 m
	Start pressure	26.1 psi 1.8 Bar	26.1 psi 1.8 Bar
	Max. working pressure	87 psi 6 Bar	87 psi 6 Bar
	Max. suction depth	26.2 ft/<3 min 8 m/<3 min	26.2 ft/<3 min 8 m/<3 min
DIMENSIONS/WEIGHT RANGE OF USE/MATERIALS	Pump dimensions	19.7 in x 9.1 in x 12.2 in	19.7 in x 9.1 in x 12.2 in
	See illustration	500 mm x 230 mm x 310 mm	500 mm x 230 mm x 310 mm
	Length of power cable	5 ft 1.5 m	5 ft 1.5 m
	Net weight	19 lb 8.6 kg	21.7 lb 9.8 kg
	Liquid range temperature	32°-95° F 0°-35° C	32°-95° F 0°-35° C
	Max. ambient temperature	104° F 40° C	104° F 40° C
	DNA / DNM NPT	1" M / 1" M	1" M / 1" M
	Impellers	1	1
	Noise	73 dB	79 dB

Technical specifications subject to change without notice.

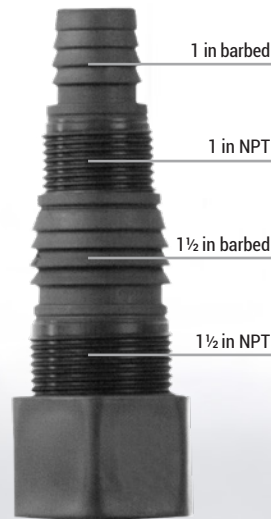


AUTOMATIC SUBMERSIBLE PUMP

The EcoPlus® Elite Series Commercial-Grade Automatic Submersible Pump is specifically designed for use in narrow pits or reservoirs up to 8 inch x 8 inch. Built with anti-corrosive and rust-proof materials, this pump is suitable for pumping clear water that contains particles of a maximum diameter of up to .25 inch. This submersible pump can suction water as low as 1/16 inch without the risk of running dry, thanks to its auto-off function. An integrated float switch turns the pump off when the water is gone, extending the lifespan of your pump and giving you peace of mind. Easily connects to existing vinyl tubing, PVC pipe and NPT standard sizes with the included tapered adapter. Its extra-long power cable reaches far enough for use in deep pits or areas farther away from your water source. Must be fully submerged in water while in use.



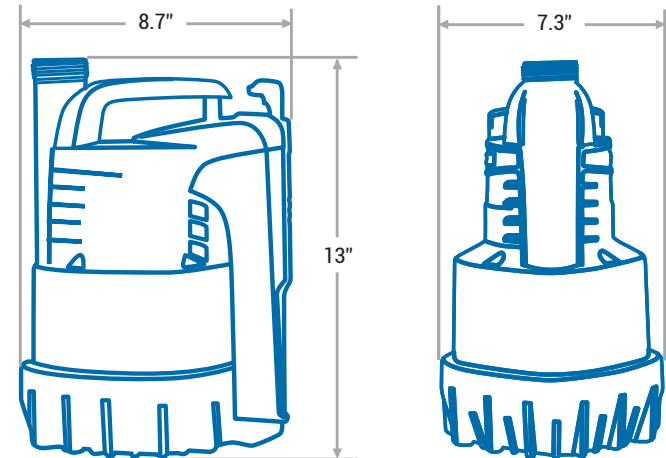
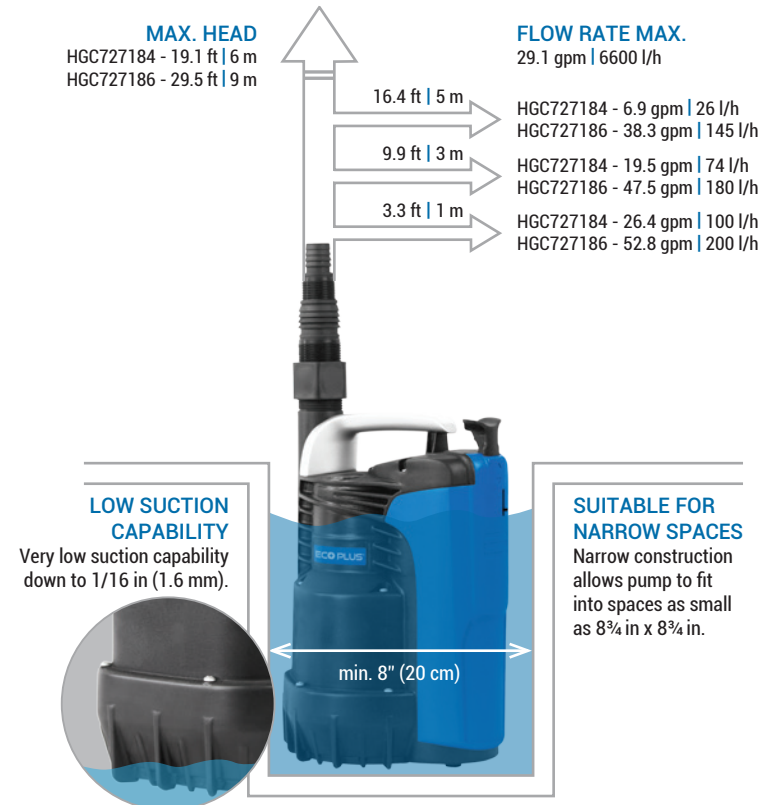
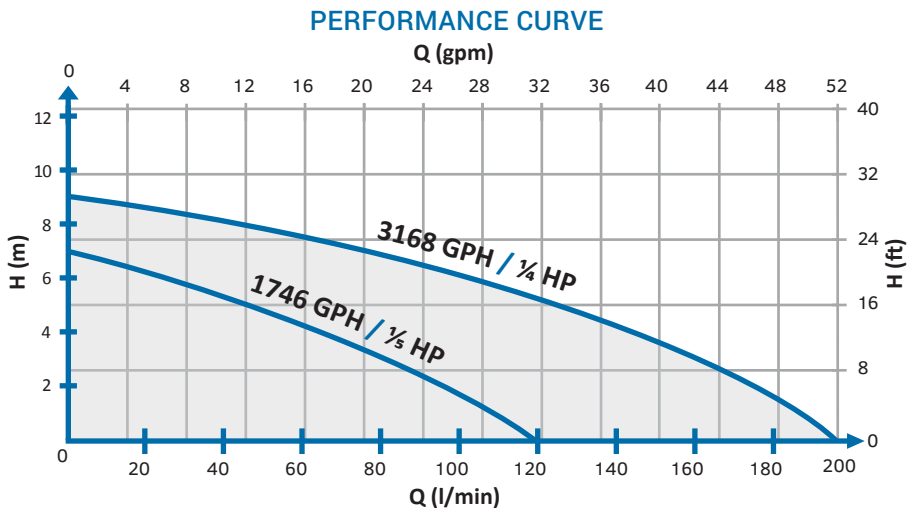
Multiple fitting options
Cut to desired fitting size. Choose from
1-1½ in barbed or NPT fitting sizes.



Product #HGC727184 Product #HGC727186

TECHNICAL SPECIFICATIONS		1746 GPH ⅓ HP	3168 GPH ½ HP
ELECTRICAL DATA	Power	275 Watt	650 Watt
	Voltage	115 V-120 V AC	115 V-120 V AC
	Frequency	60 Hz	60 Hz
	Amps	2.6	6
HYDRAULIC DATA	Flow rate max.	29.1 gpm 6600 l/h	52.8 gpm 12000 l/h
	Max. pressure	8.7 psi 0.6 Bar	13.2 psi 0.9 Bar
	Max. head	19.7 ft 6 m	29.5 ft 9 m
	Max. working pressure	87 psi 6 Bar	87 psi 6 Bar
	Low suction capability (AUTO)	1.78 in 45 mm	1.78 in 45 mm
	Low suction capability (MAN)	0.08-0.12 in 2-3 mm	0.08-0.12 in 2-3 mm
	Dimension of particles	0.2 in 5 mm	0.2 in 5 mm
DIMENSIONS/WEIGHT RANGE OF USE/MATERIALS	Pump dimensions <i>See illustration</i>	8.7 in x 7.3 in x 13 in 221 mm x 185 mm x 330 mm	8.7 in x 7.3 in x 13 in 221 mm x 185 mm x 330 mm
	Length of power cable	32.8 ft 10 m	32.8 ft 10 m
	Net weight	10.6 lb 4.98 kg	10.6 lb 4.98 kg
	Liquid range temperature	32°-95° F 0°-35° C	32°-95° F 0°-35° C
	Max. ambient temperature	104° F 40° C	104° F 40° C
	DNA / DNM NPT	1¼" M / 1¼" M	1¼" M / 1¼" M

Technical specifications subject to change without notice.



UTILITY SUBMERSIBLE PUMP

The EcoPlus® Elite Series Commercial-Grade Utility Submersible Pump is a multi-purpose submersible pump designed to circulate water in all types of tanks and reservoirs as well as hydroponic and aquaponic systems. It is suitable for pumping clear water that contains particles with a diameter of up to .20 inch. The included adapter allows for use with standard garden hoses right out of the box. An extra-long power cord means this pump can be used farther away from water sources or in deep pits, while the self-sealing fitting creates a secure fit. Made from anti-corrosive and rust-proof materials with a wear-resistant shaft and impeller. The motor features thermal overload protection. Must be fully submerged in water while in use.

Ergonomic handle
Designed for easy and safe transportation of the pump.

32 ft power cord
For deep installation.

Reducer fitting

GHT fitting
Garden hose adapter

Elbow fitting
1 1/4 in

Low suction capability
Very low suction capability down to 2-3 mm (.08 in to .12 in).



Product# HGC727192

	TECHNICAL SPECIFICATIONS	3168 GPH 1/12 HP
ELECTRICAL DATA	Power	240 Watt
	Voltage	115 V-120 V AC
	Frequency	60 Hz
	Amps	2
HYDRAULIC DATA	Flow rate max.	25.5 gpm 5800 l/h
	Max. pressure	8.1 psi 0.6 Bar
	Max. head	18 ft 5.5 m
	Max. working pressure	87 psi 6 Bar
	Low suction capability (MAN)	0.08 in-0.12 in 2-3 mm
	Dimension of particles	0.2 in 5 mm
DIMENSIONS/WEIGHT RANGE OF USE/MATERIALS	Pump dimensions <i>See illustration</i>	8.1 in x 5.9 in x 9.7 in 205 mm x 150 mm x 245 mm
	Length of power cable	32.8 ft 10 m
	Net weight	8.25 lb 3.75 kg
	Liquid range temperature	32°-95° F 0°-35° C
	Max. ambient temperature	104° F 40° C
	DNA / DNM NPT	1 1/4" M / 1 1/4" M

Technical specifications subject to change without notice.

FLOW RATE MAX.
25.5 gpm | 5800 l/h

MAX. HEAD
18 ft | 5.5 m

10 gpm | 38 l/h
12 ft | 3.7 m

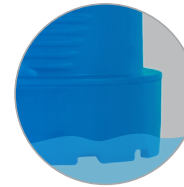
16.9 gpm | 64 l/h
8 ft | 2.4 m

24.3 gpm | 92 l/h
4 ft | 1.2 m

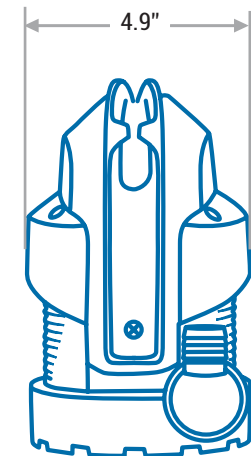
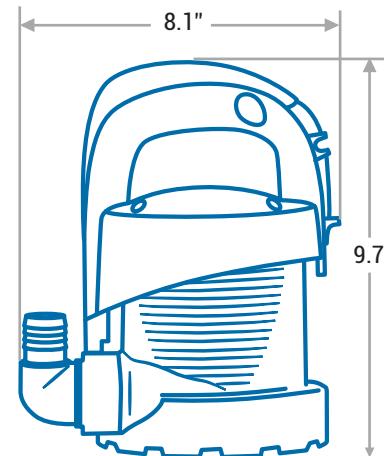
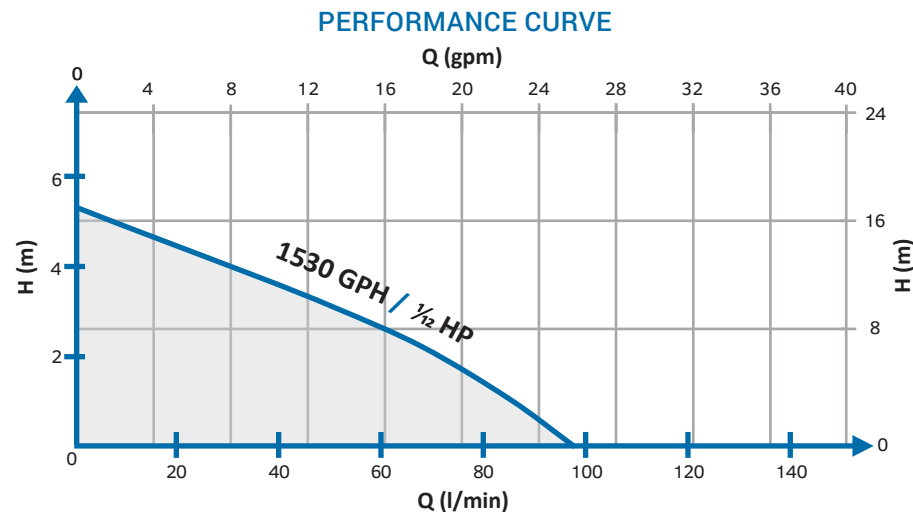
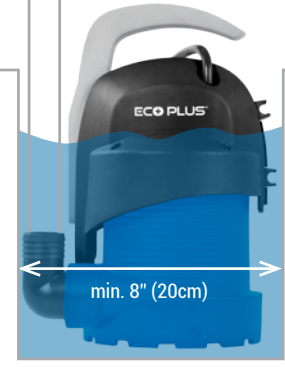


LOW SUCTION
CAPABILITY

LOW SUCTION
CAPABILITY
Very low suction capability down
to 2-3 mm (.08 in to .12 in).



RECOMMENDED
MINIMUM BASE
DIMENSIONS
18.1 in x 18.1 in





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*When purchased from an authorized Hawthorne dealer, this product is covered by a LIMITED WARRANTY available at hawthornegc.com/warranties. You can also obtain the Terms of Sale and Limited Warranty by calling Hawthorne toll-free at: 1-888-478-6544 or writing Hawthorne at: Hawthorne Hydroponics LLC, 3204 NW 38th Circle, Vancouver, WA 98660, Attn: Customer Service.

