

STR4-13V



DATA SHEET

HIGH-PRESSURE 4-STAGE FIRE PUMP

The **WATERAX STRIKER-4** pairs a reliable Honda 4-stroke 11.7 HP engine with the innovative, lightweight, corrosion-resistant 4-stage pump end from the MARK-3® Watson Edition to deliver exceptional durability and operating-range performance in demanding environments. The unit achieves pressures of up to **310 PSI (21.4 BAR)** and flow rates reaching **118 GPM (446 L/Min)**. Strong enough to operate as a source pump for tandem and parallel pumping, it is also optimal for direct attack firefighting, remote watering, sprinkler systems and is a popular choice for slip-on units.

The **WATERAX** quick release clamp provided on the **STRIKER-4** pump lets you replace a damaged pump end in the field with minimal equipment downtime. This interchangeability greatly reduces your spare parts inventory and improves your ability to respond to unforeseen equipment damage. The Honda 4-stroke 11.7 HP engine makes for ease of operation and engine parts sourcing.

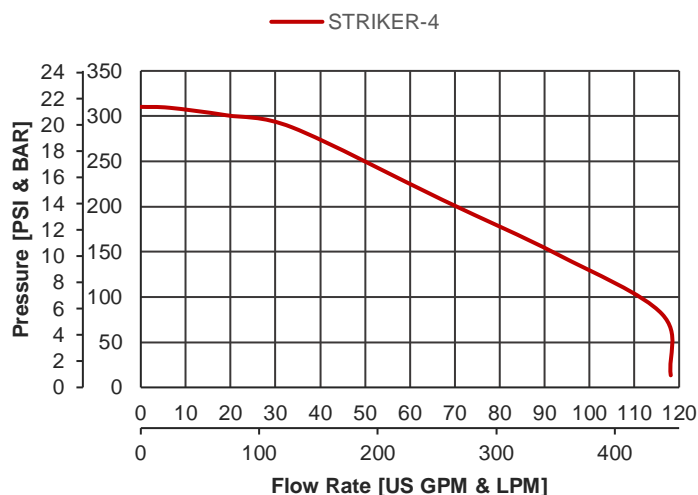
Applications

- Attack line firefighting.
- Long hose lay for remote watering during firefighting operations.
- High elevation firefighting in mountainous areas.
- Accuracy in flow trajectory when structure fire fighting.
- Tandem pumping over long distances.
- Parallel pumping for higher volumes.
- Slip-on units.

Features and Benefits

- Quick release clamp and swappable pump ends for minimal equipment downtime and inventory.
- Sealed bearing to eliminate pump end greasing in the field.
- Aluminum alloy volute and suction cover for light weight and greater resistance to corrosion.
- Composite corrosion-resistant pump components.
- Low oil pressure switch included.
- Belt drive system for reliable, low maintenance performance.
- EPA & CARB exhaust emission compliant.
- Comprehensive user and service manuals.

SPECIFICATIONS



Flow rate at specified pressure

Maximum Pressure: 310 PSI (21.4bar)

Free flow: 118 US gals/min (447 L/min)

Maximum Head: 715' (218 m)

Flow Rate			Pressure	
US GPM	(LPM)	@	PSI	(BAR)
111	(420)	@	100	(6.9)
92	(347)	@	150	(10.3)
49.4	(192)	@	250	(17.2)

Engine: Honda GX390 – 11.7HP

HONDA

Engine Specifications

Model & Type	Honda GX390 Series 4-cycle, horizontal shaft, single cylinder, OHV
Net Power	11.7 HP (8.7 kW) @3600 RPM
Net Torque	19.5 lb.-ft (26.4 Nm) @2500 RPM
Bore & Stroke	3.46 x 2.52 inches (88 x 64 mm)
Displacement	23.74 cubic inches (389 cc)
Cooling	Air-cooled
Starting system	12 VDC electric with manual recoil backup start
Ignition	Digital CDI with variable ignition timing
Governor	Centrifugal Mass Type
Charging	3 AMP regulating alternator
Lubrication	Oil, Splash
Oil Capacity	1.16 US quarts (1.1 liters)
Fuel Pump	18-inch lift
Fuel Type	Gasoline [unleaded 86 minimum octane, 10% maximum ethanol]
Fuel Tank	6.4 quarts (6.1 liters)
Fuel Consumption	0.92 US gal/h (6.8 L/h) @ 3600 RPM
Muffler	Forestry Approved Spark Arrestor Optional.
Emissions	Meets current CARB, EPA and CE requirements.
Wiring	Pre-wired for FastWire panel connections (panels purchased separately)

Pump Specifications

Type	Detachable, 4-stage, centrifugal pump
Ratings	ISO 9 and NFPA 1906 Medium Pressure Rating of 50 GPM
Description	High Pressure, Medium Flow, Foam Compatible
Maximum Allowable Pressure	600 PSI (41.4 bar)
Intake	2" (51 mm) NPSH
Discharge	1-1/2" (38 mm) NPSH
Volute and suction cover	Lightweight anodized aluminum alloy
Drive Unit / Coupling	Reinforced flexible gear coupling
Pump Shaft	Stainless Steel
Impellers	Composite corrosion resistant
Color	Red
Pump Seal	Balanced elastomeric bellows and silicon carbide mechanical rotary seal
Bearings	Maintenance-free double row sealed bearing
Special Feature	The entire pump separates completely from the engine/speed increaser
Clamp	Quick release lightweight pump clamp (no tools needed)
Body & Diffusers	Composite PPS GF reinforced crossover design with marine grade aluminum vane tips

SPECIFICATIONS

STR4-13V

Primer Specifications:

Hand Primer Option	Guzzler, Diaphragm Type; Reliable, Lightweight and Rugged.
Intake and Discharge Port Size	½" Female NPT
Construction	Aluminum Handle, composite body, buna-n reinforced diaphragm and flapper valves
Lift	12 feet (3.7 m) [up to approximately 16 feet (4.8 m) with suction hose footvalve]
Head capacity	30 ft (9.1 m)
Maximum Service Temperature	150° F (66° C)
Maximum Pressure	15 PSI (1.03 bar)
Volume per Stroke	0.44 quart (0.42 liter)
Dimensions (L x W x H)	12-3/4" x 4-1/2" x 4-5/16" (324 x 114 x 110 mm)
Weight	1.70 lbs. (0.77 kg)
Vehicle Units	Shipped loose with connection hardware and 6 feet of hose.

Electric Primer Option	12 VDC Piston Type Vacuum Pump
Intake and Discharge Port Size	3/8" Female NPT
Construction	Corrosion Resistant Aluminum with Bronze Sleeve and Composite Piston
Maximum Current Draw	105 amps
Lift	25 feet (7.6 m)
Vacuum	22 in-Hg
Dimensions	9" x 4-1/8" x 7-1/2" (229 x 105 x 191 mm)
Weight	8.1 lbs. (3.7 kg)
Vehicle Units	Shipped loose with mounting plate, hardware, and 6 feet of hose

Unit Base Specifications:

Vehicle Mount	Black flat base with tubular horizontal legs. (Provided with industrial grade stud isolators – shipped loose)
----------------------	--

Controls Specifications:

Engine supplied controls	Engine choke, throttle, and fuel valve control levers; keyed start switch; and low oil pressure alert lamp and shutdown.
FastWire quick connect	Industrial Sealed Male Connector. STR4-13V is equipped with FastWire quick connect engine wire harness for plug & play ease in connecting pump engine, power, and control components such as the WATERAX Control Panels MCP, PMSCP, WCP* Series.
WATERAX Control Panels	MCP, PMSCP, WCP* Series

*Water and/or foam level monitors, electric primer, work light options available.

Note: Refer to the WATERAX Control Panel data sheet and specifications to select a remote mount panel and/or call your WATERAX dealer to customize your own control panel with water and/or foam level monitors, and toggle switches for optional electric primer and work light.

CONTROL PANELS

STR4-13P

Primer Specifications

Utility Hand Pump

Discharge Port Size	½" Hose Barb
Construction	Brass cylinder with neoprene seals and caps.
Maximum Service Temperature	140°F (60°C)
Volume per Stroke	26 full strokes per gallon
Dimensions (L x W)	1-1/4" Diameter x 12 inches long
Weight	2 lbs (.91 kg)
Vehicle Units	Clipped to pump increaser housing.

Unit Base Specifications

Vehicle mount	Black flat base with four tubular handles as an integral part of the base.
----------------------	--

Controls

Engine supplied controls	Engine choke, throttle, and fuel valve control levers; keyed start switch; and low oil pressure alert lamp and shutdown.
---------------------------------	--

Discharge Gauge Specifications

0 to 600 PSI Dual unit (PSI/kilopascals) liquid filled; Pump mounted.

PRODUCT SELECTION

PRODUCT SELECTION MATRIX

PRODUCT SELECTION MATRIX			STR4-13P	STR4-13V
STANDARD INCLUSIONS	Primer	Jabsco Hand Primer	S	-
		Guzzler Hand Primer	-	O
		Electric Primer	-	O
	Muffler	Forestry Approved Spark Arrestor	S	S
	Drive Orientation	Vertical	S	S
		Horizontal	-	-
	Controls	Engine Controls	S	O
		WATERAX Control Panels	-	O
	Dimensions	L x W x H	34.0"x 21.6" x 20.1"	27.7"x 18.2" x 19.9"
Weight		125 lbs (57 kg)	125 lbs (57 kg)	

Options & Accessories

Sold Separately

CONTROLS



PMSCP

Panel Mount Standard Control Panel w/
FastWire CTRL connector.



MCP

Mini Control Panel
w/ FastWire CTRL connector



WCP

WATERAX Control Panel
w/ FastWire PWR & CTRL connectors.

PRIMER



GZPRIMERKIT

Guzzler Hand Primer with hose & valve



EPRIMERKIT

Electric Primer w/ plate, 5' harness &
switch



B-6365

Check Valve Manifold 1-1/2 NPSH

PUMP DISCHARGE ADAPTER

TECHNICAL DRAWINGS

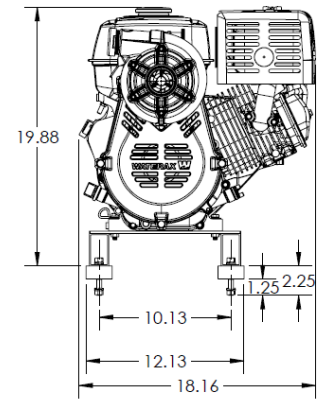
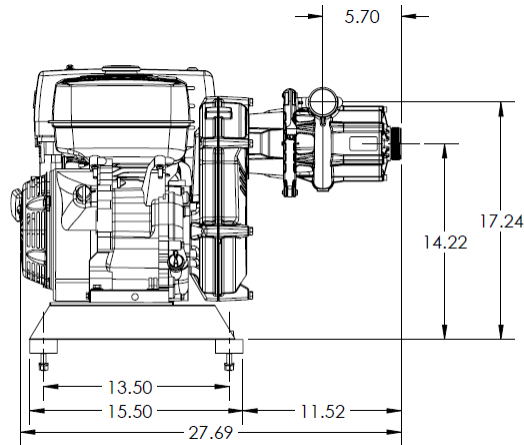
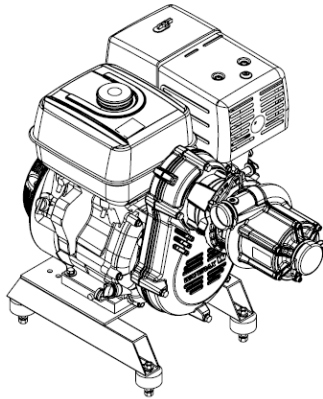
STR4-13V

Length 27.7" (70.3 cm)

Width 18.2" (46.1 cm)

Height 19.9" (50.5 cm)

Weight 125 lbs (57 kg)



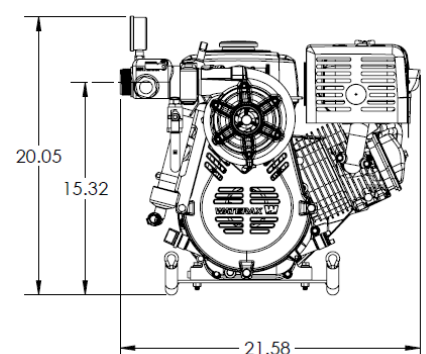
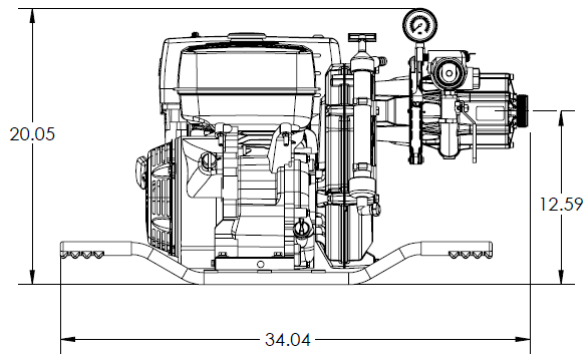
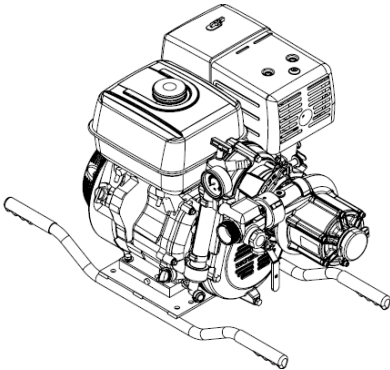
STR4-13P

Length 34.0" (86.5 cm)

Width 21.6" (54.8 cm)

Height 20.1" (50.9 cm)

Weight 125 lbs (57 kg)



WATERAX

All information contained in this document including drawings is proprietary to *WATERAX* and may not be copied, reproduced or used in whole or in part without our prior written permission. The information in this document is subject to change without notice. Model displayed with multiple options. Weight and dimensions are approximated and may vary depending on options.

WATERAX INC.

6635 Henri-Bourassa W.
Montreal, QC H4R 1E1

T 514 637-1818

F 514 637-3985

TF 1 855 616-1818

info@waterax.com

waterax.com

To help you stay **#ReadyForWildfires**, we've made a few changes, placing 100% of our focus on manufacturing our core products, portable fire pumps.

To do so, we've established a network of trusted supply and distribution partners that can help us provide *WATERAX* pumps quickly in addition to water-handling equipment and accessories.

For immediate assistance when it comes to pumps and water-handling accessories, please [contact your local dealer](#).

For genuine spare parts, visit our [online store](#).