

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.

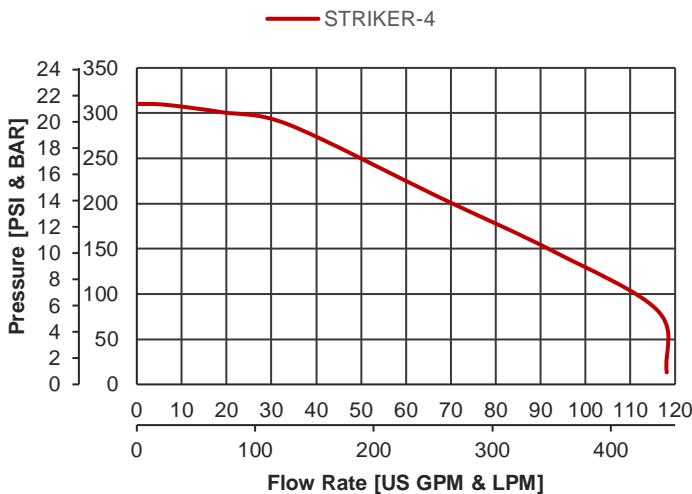
Applications

- 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)

US GPM (LPM)	Flow Rate		Pressure	
	PSI	(BAR)	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	1/2" 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)
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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	1/2" 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.
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Controls

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

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

PRODUCT SELECTION

PRODUCT SELECTION MATRIX

STANDARD INCLUSIONS		STR4-13P	STR4-13V
	Primer	Jabsco Hand Primer	S
		Guzzler Hand Primer	-
		Electric Primer	-
	Muffler	Forestry Approved Spark Arrestor	S
	Drive Orientation	Vertical	S
		Horizontal	-
	Controls	Engine Controls	S
		WATERAX Control Panels	-
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	PUMP DISCHARGE ADAPTER
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GZPRIMERKIT
Guzzler Hand Primer with hose & valve



EPRIMERKIT
Electric Primer w/ plate, 5' harness &
switch

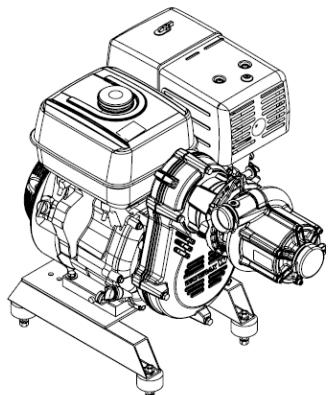


B-6365
Check Valve Manifold 1-1/2 NPSH

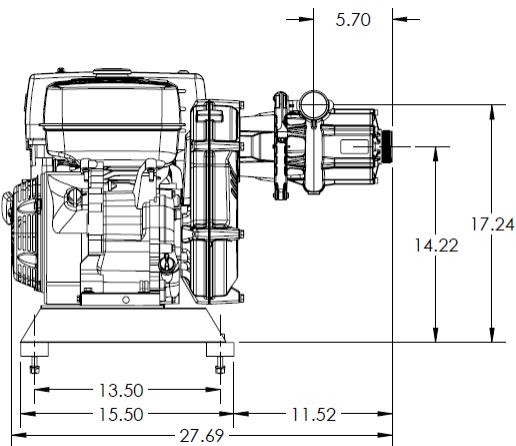
TECHNICAL DRAWINGS

STR4-13V

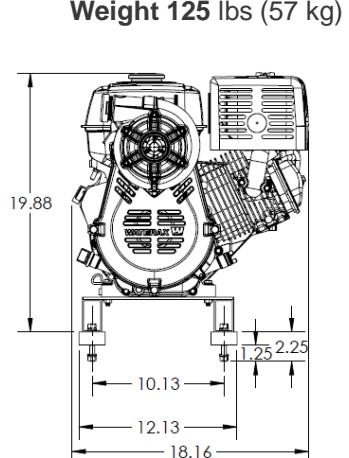
Length 27.7" (70.3 cm)



Width 18.2" (46.1 cm)



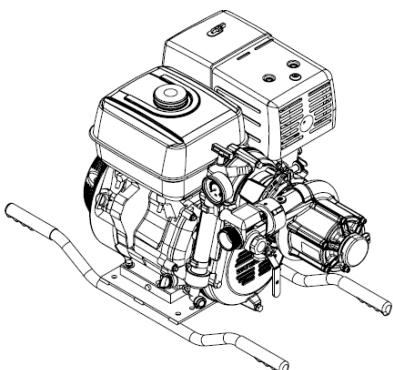
Height 19.9" (50.5 cm)



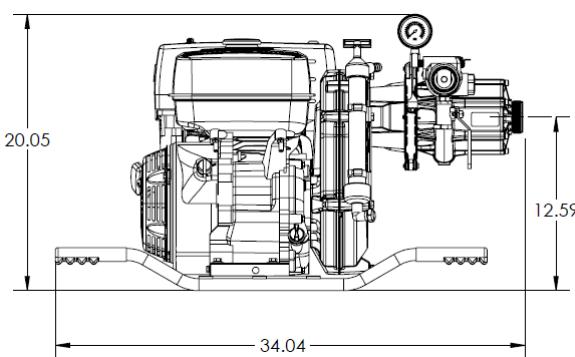
Weight 125 lbs (57 kg)

STR4-13P

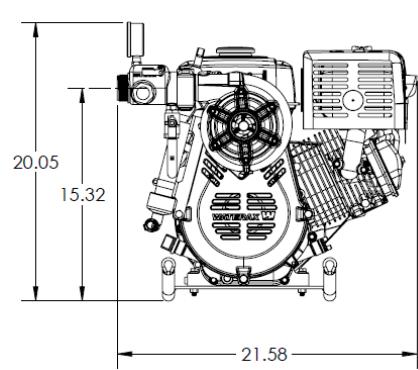
Length 34.0" (86.5 cm)



Width 21.6" (54.8 cm)



Height 20.1" (50.9 cm)



Weight 125 lbs (57 kg)

WATERAX

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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](#).