

STRIKER-3



DATA SHEET

HIGH PRESSURE 3-STAGE FIRE PUMP

The **WATERAX STRIKER-3** also known as ULTRASTRIKER® pump, pairs a reliable 3-stage pump end with the Honda 4-stroke 13 HP engine to achieve pressures of up to **345 PSI (23.8 BAR)** and flow rates reaching **102 GPM (386 L/Min)**. It can be used by itself, in tandem or in parallel with other **WATERAX** pumps, and is also a very popular choice for slip-on applications.

The **WATERAX** quick release clamp provided on the **STRIKER-3** 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 13 HP** engine makes for ease of operation and engine parts sourcing.

Emissions compliant; engine is CARB and EPA certified

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
- Belt drive system for reliable, low maintenance performance
- Aluminium alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- Comprehensive user and service manuals

SPECIFICATIONS



Flow rate at specified pressure

Maximum Pressure: 345 PSI (23.8 bar)
 Free flow: 102 US gals/min (386 L/min)
 Maximum Head: 797' (243 m)

Flow Rate		Pressure		
US GPM	(LPM)	@	PSI	(BAR)
87	(329)	@	100	(6.9)
75	(284)	@	150	(10.3)
40	(151)	@	250	(17.2)

Engine: Honda® GX390

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)
Starting System	12 VDC electric with manual recoil backup start
Ignition	Digital CDI with variable ignition timing
Charging	3 AMP regulating alternator
Governor	Centrifugal Mass Type
Cooling	Air Cooled
Lubrication	Oil, Splash
Oil Capacity	1.16 quarts (1.1 liters)
Fuel Pump	18 inch lift.
Emissions	Meets current CARB, EPA, and CE requirements.
Fuel Type	Gasoline [unleaded, 86 minimum octane, 10% maximum ethanol]
Fuel Tank:	6.4 quarts (6.1 liters)
Fuel Consumption	0.92 US gals/hr (6.8 liters/hr)
Muffler	Forestry approved spark arrestor

Pump Specifications

Type	Detachable 3-stage Centrifugal
Ratings	ISO 9 (Texas Only) and NFPA 1906 Medium Pressure Rating of 50 GPM
Description	Medium Pressure, Low Flow, Foam Compatible Maximum Allowable Pressure: 600 PSI (41.4 bar)
Intake	2" Male NPSH Thread (other connections available)
Discharge	1-1/2" male NPSH thread (other connections available)
Body & Diffusers	Anodized corrosive resistant aluminum
Impellers	3.67" Diameter; Anodized corrosive resistant aluminum
Pump Shaft	Stainless Steel
Bearings	Maintenance Free; sealed ball bearing and sintered bronze sleeve
Pump Seal	Maintenance Free; Blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.
Clamp	Hand tight quick release clamp [no tools needed]
Drive Unit	Timing Belt and Pulley; Speed Increaser
Speed Increaser Position	Vertical
Drive Ratio	1.88: 1
Color	Red
Special Feature	The entire pump separates completely from the engine/speed increaser.

All features are not available on every model. Please refer to the product selection matrix to select the proper model.



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SPECIFICATIONS

STR2-13V

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 Pressure	15 PSI (1.03 bar)
Maximum Service Temp	150° F (66° C)
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)

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
Max. 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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Control Panel Options

Engine supplied controls	Push/Pull choke, venier throttle, push start, and toggle On/Off Switch. (Note: Fuel valve lever on the engine itself not on panels)
FastWire quick connect	Loomed engine wire harness (pre-wired to engine) with 8 pin Molex MX150L Industrial Sealed Male Connector. All Vehicle Mounted BB-4 pumps are 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.



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SPECIFICATIONS

STR3-13P

Primer Specifications

Utility Hand Pump

Discharge Port Size

½" Hose Barb

Construction

Brass cylinder with neoprene seals and caps.

Maximum operating 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)

Clipped to pump increaser housing.

Unit Base Specifications

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

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.

STR3-13S

Primer Specifications

No Primer with unit.

Unit Base Specifications

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

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

			STR3-13P	STR3-13S	STR3-13V
STANDARD INCLUSIONS	Primer	Jabsco Hand Primer	S	-	-
		Guzzler Hand Primer	-	-	O
		Electric Primer	-	-	O
	Muffler	Forestry Approved Spark Arrestor	S	S	S
	Drive Orientation	Vertical	S	S	S
		Horizontal	-	-	-
	Controls	Engine Controls	S	S	O
		WATERAX Control Panels	-	-	O
	Dimensions	L x W x H	34.4" x 21.25" x 20.5"	34.4" x 18.25" x 18.25"	27.4" x 18.15" x 19.9"
	Weight		129 lbs (59 kg)	125 lbs (57 kg)	129 lbs (59 kg)

Standard **S** Option **O** Not applicable **-**

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.

ELECTRIC KIT



BATKIT-66

Deep Cycle Battery Kit
w/ FWP-9 cable



WLIGHTKIT

LED Work Light w/ 5'
harness & toggle switch



FWX-3

3' CTRL Cable Extension
w/ two 8 pin connectors



FWP-20

20' PWR Cable with lugs
& Anderson conn.

FWP-9

9' PWR Cable w/ lugs
& Anderson conn.

FWP-3

3' PWR Cable w/ lugs
& Anderson conn.

PRIMER



GZPRIMERKIT

Guzzler Hand Primer
with hose & valve



EPRIMERKIT

Electric Primer w/ plate,
5' harness & switch



ADP-A-FM20S
ADP-A-FM20SP
ADP-A-FM20SV
ADP-A-FM15SN
ADP-A-FM15S
ADP-A-FM15SP
ADP-A-FM15SV

B-6365

ADAPTER 2" NPSH FEMALE TO NPSH MALE
ADAPTER 2" NPSH FEMALE TO NPT MALE
ADAPTER 2" NPSH FEMALE TO VICTAULIC
ADAPTER 1-1/2" NPSH FEMALE TO NH MALE
ADAPTER 1-1/2" NPSH FEMALE TO NPSH MALE
ADAPTER 1-1/2" NPSH FEMALE TO NPT MALE
ADAPTER 1-1/2" NPSH FEMALE TO VICTAULIC

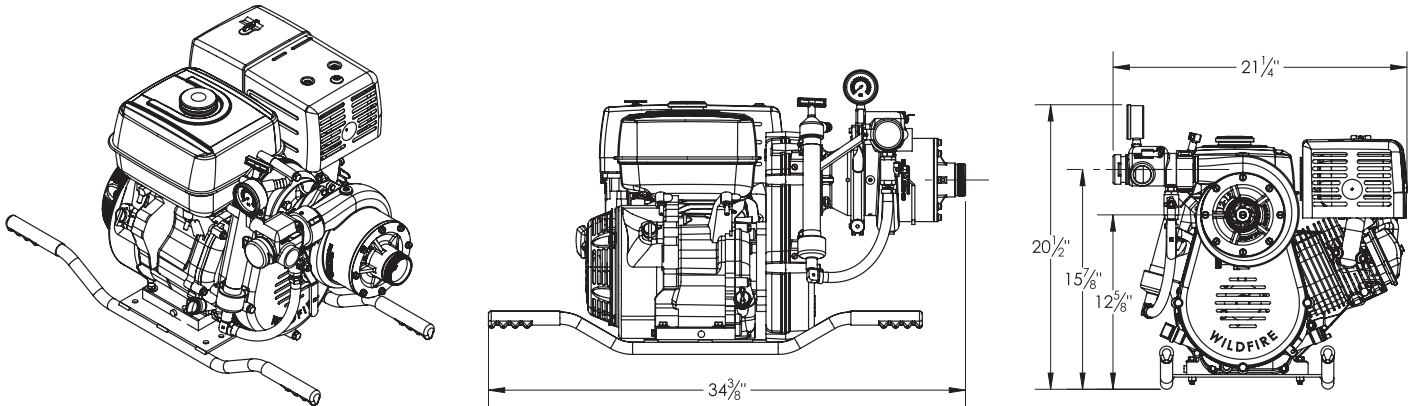
CHECK VALVE MANIFOLD 1-1/2" NPSH



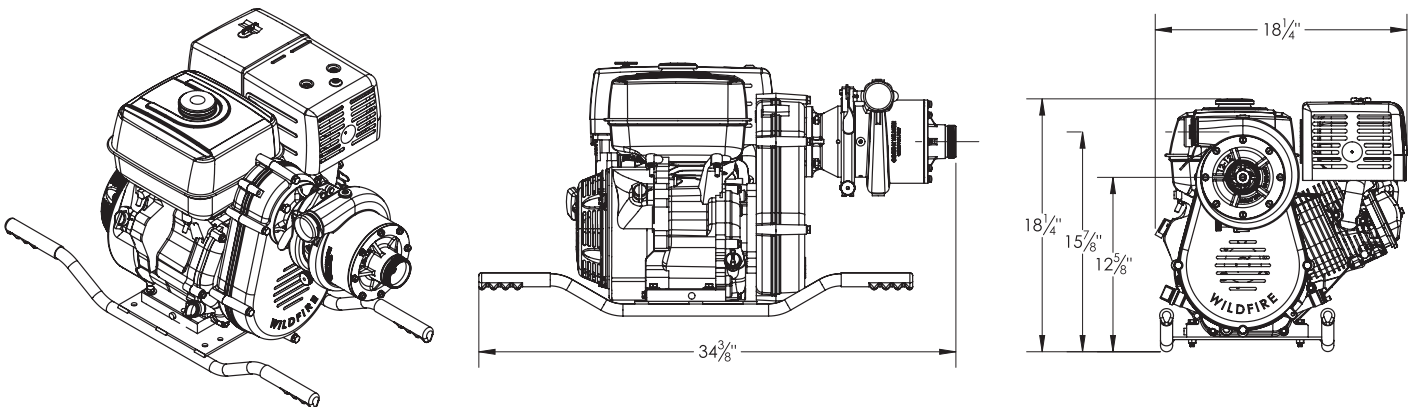
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TECHNICAL DRAWINGS

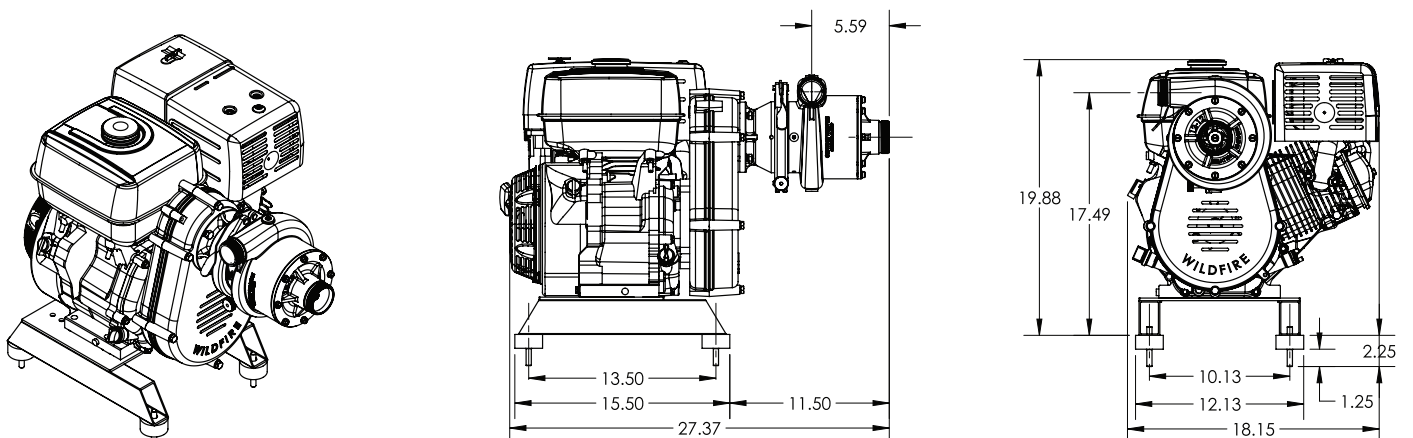
STR3-13P Length 34-3/8" (87.3 cm) Width 21-1/4" (54 cm) Height 20-1/2" (52 cm) Weight 129 lbs (59 kg)



STR3-13S Length 34-3/8" (87.3 cm) Width 18-1/4" (46 cm) Height 18-1/4" (46 cm) Weight 125 lbs (57 kg)



STR3-13V Length 27.4" (69.5 cm) Width 18.15" (46 cm) Height 19.9" (50.5 cm) Weight 129 lbs (59 kg)



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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.

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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.



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