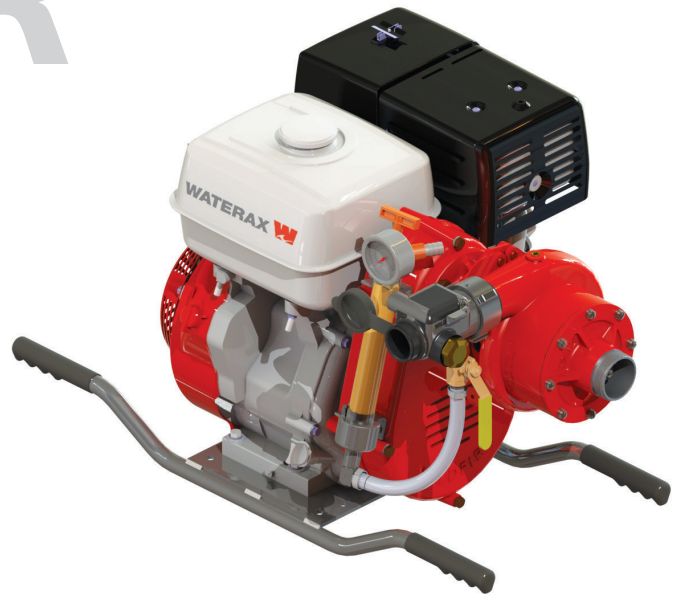


# STRIKER™ SERIES



## STRIKER-3

### 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 In increaser
- Speed In creaser** Vertical
- 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.

**SPECIFICATIONS**

**STR2-13V**

**Primer Specifications**

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

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

**Unit Base Specifications**

<b>Vehicle Mount</b>	Black flat base with tubular horizontal legs. (Provided with industrial grade stud isolators - shipped loose)
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**Control Panel Options**

<b>Engine supplied controls</b>	Push/Pull choke, venier throttle, push start, and toggle On/Off Switch. (Note: Fuel valve lever on the engine itself not on panels)
<b>FastWire quick connect</b>	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.
<b>WATERAX Control Panels</b>	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.

**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	-	-	0
		Electric Primer	-	-	0
	Muffler	Forestry Approved Spark Arrestor	S	S	S
	Drive Orientation	Vertical	S	S	S
		Horizontal	-	-	-
	Controls	Engine Controls	S	S	0
		WATERAX Control Panels	-	-	0
	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.

#### FASTWIRE CABLES

#### PRIMER



**GZPRIMERKIT**  
Guzzler Hand Primer  
with hose & valve



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

#### PUMP INTAKE & DISCHARGE ADAPTER



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

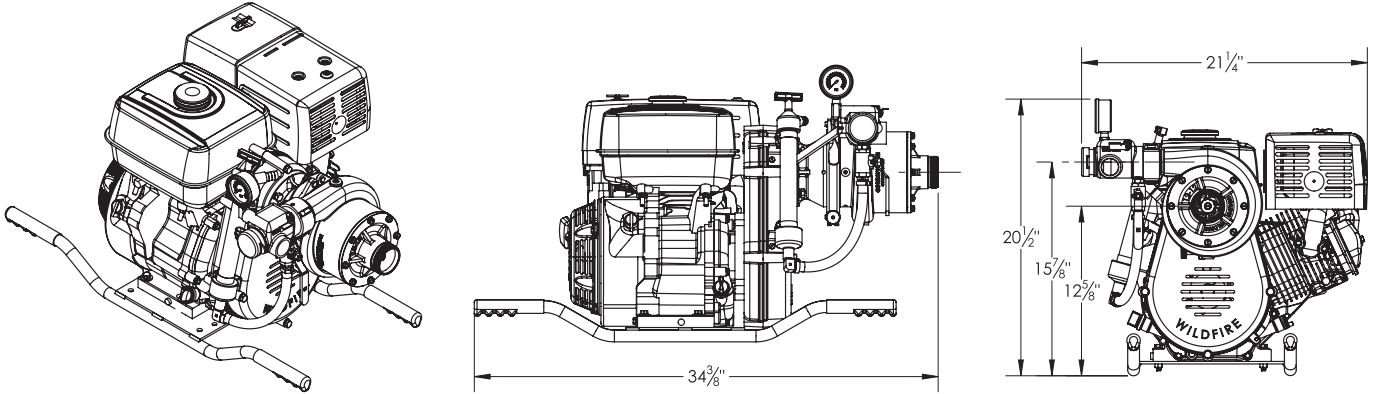
- ADAPTER 2" NPSH FEMALE TO NPSH MALE
- ADAPTER 2" NPSH FEMALE TO NPT MALE
- ADAPTER 2" NPSH FEMALE TO VICTAULIC
- ADAPTER 1-1/2" NPSH FEMALE TO NH MALE
- ADAPTER 1-1/2" NPSH FEMALE TO NPSH MALE
- ADAPTER 1-1/2" NPSH FEMALE TO NPT MALE
- ADAPTER 1-1/2" NPSH FEMALE TO VICTAULIC

**B-6365**

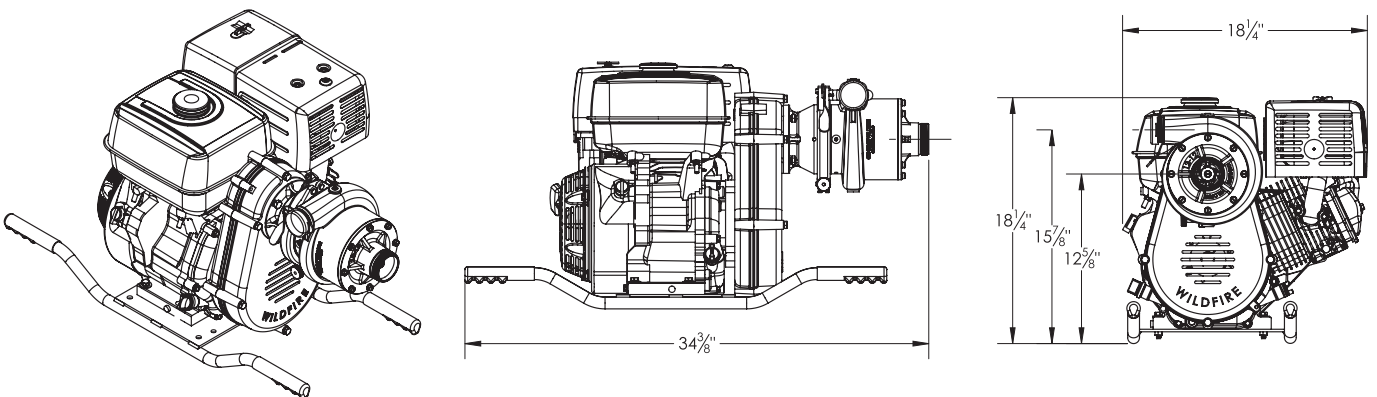
CHECK VALVE MANIFOLD 1-1/2" NPSH

## TECHNICAL DRAWINGS

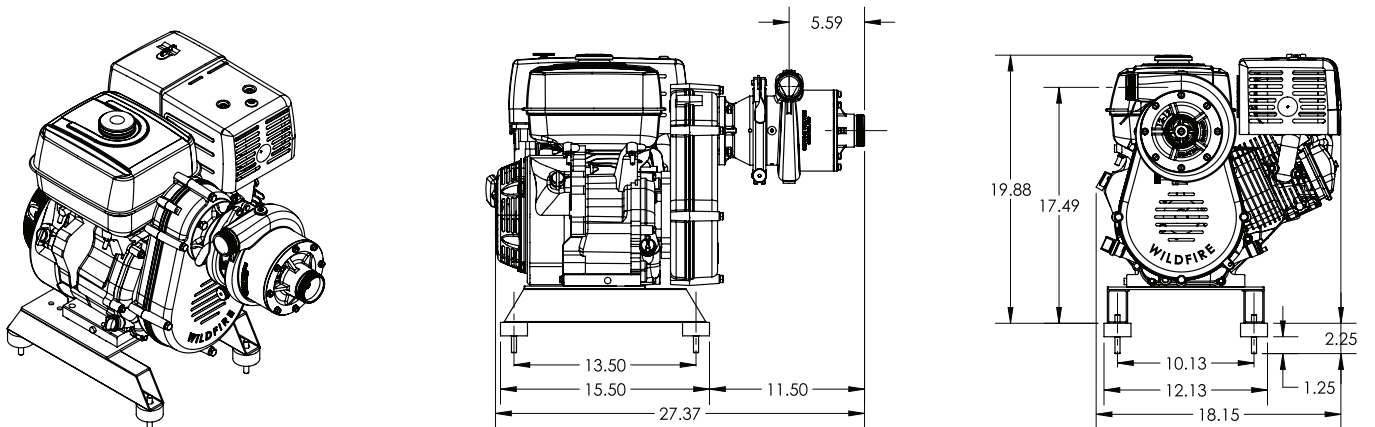
**STR3-13P** Length 34-3/8" (87.3 cm) Width 21-1/4" (54 cm) Height 20-1/2" (52 cm) Weight 129 lbs (59 kg)



**STR3-13S** Length 34-3/8" (46.3 cm) Width 18-1/4" (54 cm) Height 18-1/4" (54 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**

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